

## THE SUBGROUP LATTICE OF $S_{12}$

THOMAS CONNOR AND DIMITRI LEEMANS

| Nr. | Structure         | Order     | Length | Maximal Subgroups   | Minimal Overgroups |
|-----|-------------------|-----------|--------|---|--------------------|
| 1   | $S_{12}$          | 479001600 | 1      | 2, 3 (12), 5 (66), 9 (220), 14 (462), 15 (495), 17 (792), 55 (5775), 75 (10395), 94 (15400), 906 (362880) |                    |
| 2   | $A_{12}$          | 239500800 | 1      | 4 (12), 6 (66), 11 (220), 19 (462), 22 (495), 29 (792), 52 (5040), 82 (5775), 122 (10395), 154 (15400)    | 1                  |
| 3   | $S_{11}$          | 39916800  | 12     | 4, 7 (11), 16 (55), 35 (165), 47 (330), 53 (462), 5039 (362880)   | 1                  |
| 4   | $A_{11}$          | 19958400  | 12     | 10 (11), 25 (55), 48 (165), 65 (330), 76 (462), 246 (5040)  | 2, 3               |
| 5   | $S_{10} \times 2$ | 7257600   | 66     | 7, 8, 6, 16 (10), 38 (45), 66 (120), 70 (126), 91 (210), 250 (945), 443 (2520)                            | 1                  |
| 6   | $S_{10}$          | 3628800   | 66     | 10, 25 (10), 56 (45), 95 (120), 103 (126), 138 (210), 402 (945), 784 (2520)                               | 2, 5               |
| 7   | $S_{10}$          | 3628800   | 66     | 10, 26 (10), 57 (45), 96 (120), 104 (126), 139 (210), 403 (945), 785 (2520)                               | 3 (2), 5           |
| 8   | $A_{10} \times 2$ | 3628800   | 66     | 10, 27 (10), 58 (45), 97 (120), 105 (126), 140 (210), 404 (945), 786 (2520)                               | 5                  |

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| Nr.                                 | Structure                        | Order   | Length | Maximal Subgroups   | Minimal Overgroups |
| 9                                   | $S_9 \times S_3$                 | 2177280 | 220    | 11, 12, 13, 16 (3), 35 (9), 66 (36), 112 (84), 141 (126), 248 (280), 527 (840)        | 1                  |
| 10                                  | $A_{10}$                         | 1814400 | 66     | 37 (10), 85 (45), 157 (120), 164 (126), 219 (210), 684 (945), 1400 (2520)             | 4 (2), 6, 7, 8     |
| 11                                  | $A_9 : S_3$                      | 1088640 | 220    | 18, 25 (3), 48 (9), 95 (36), 187 (84), 220 (126), 393 (280), 907 (840)                | 2, 9               |
| 12                                  | $A_9 \times S_3$                 | 1088640 | 220    | 18, 27 (3), 49 (9), 98 (36), 188 (84), 218 (240), 221 (126), 394 (280), 908 (840)     | 9                  |
| 13                                  | $S_9 \times 3$                   | 1088640 | 220    | 18, 26, 50 (9), 99 (36), 189 (84), 222 (126), 395 (280), 909 (840)                    | 9                  |
| 14                                  | $A_6 \times A_6 : 2 \cdot 2 : 2$ | 1036800 | 462    | 20, 21, 19, 106 (36), 107 (36), 202 (100), 325 (225), 326 (225)                       | 1                  |
| 15                                  | $S_8 \times 2^2 : S_3$           | 967680  | 495    | 22, 23, 24, 28 (3), 35 (4), 47 (8), 91 (28), 111 (35), 141 (56), 216 (105), 244 (120) | 1                  |
| 16                                  | $S_9 \times 2$                   | 725760  | 660    | 27, 26, 25, 57 (9), 129 (36), 223 (84), 287 (126), 528 (280), 1166 (840)              | 3, 5, 9            |
| 17                                  | $S_7 \times (A_5 : 2)$           | 604800  | 792    | 30, 29, 31, 47 (5), 51 (6), 53 (7), 66 (10), 108 (21), 141 (35), 318 (120)            | 1                  |
| 18                                  | $A_9 \times 3$                   | 544320  | 220    | 37, 67 (9), 158 (36), 280 (84), 349 (240), 350 (126), 672 (280), 1515 (840)           | 11, 12, 13         |
| 19                                  | $A_6 \times A_6 : 2 : 2$         | 518400  | 462    | 32 (2), 33, 165 (36), 166 (36), 310 (100), 558 (225), 559 (225), 787 (720), 788 (720) | 2, 14              |

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|-------------------------------------|-------------------------------|--------|--------|--|--------------------|
| Nr.                                 | Structure                     | Order  | Length | Maximal Subgroups  | Minimal Overgroups |
| 20                                  | $S_6 \times (A_6 : 2)$        | 518400 | 462    | 34 (2), 33, 54 (12), 53 (12), 71 (20), 92 (30), 91 (30)                                | 14                 |
| 21                                  | $A_6 \times A_6 : 2 \cdot 2$  | 518400 | 462    | 33, 167 (36), 168 (36), 311 (100), 560 (225), 561 (225)                                | 14                 |
| 22                                  | $A_8 \times 2 \times 2 : S_3$ | 483840 | 495    | 36, 39 (3), 48 (4), 65 (8), 138 (28), 180 (35), 220 (56), 327 (105), 387 (120)         | 2, 15              |
| 23                                  | $A_8 \times 2 \times 2 : S_3$ | 483840 | 495    | 36, 40 (3), 49 (4), 68 (8), 93 (30), 142 (28), 181 (35), 224 (56)                      | 15                 |
| 24                                  | $S_8 \times A_4$              | 483840 | 495    | 36, 41, 50 (4), 69 (8), 143 (28), 182 (35), 225 (56), 328 (105), 388 (120)             | 15                 |
| 25                                  | $S_9$                         | 362880 | 660    | 37, 85 (9), 206 (36), 351 (84), 444 (126), 910 (280), 1931 (840)                       | 4, 6, 11, 16       |
| 26                                  | $S_9$                         | 362880 | 220    | 37, 86 (9), 207 (36), 352 (84), 445 (126), 911 (280), 1932 (840)                       | 7 (3), 13, 16 (3)  |
| 27                                  | $A_9 \times 2$                | 362880 | 660    | 37, 87 (9), 208 (36), 353 (84), 441 (240), 446 (126), 912 (280), 1933 (840)            | 8, 12, 16          |
| 28                                  | $S_8 \times D_8$              | 322560 | 1485   | 40, 38, 42, 43, 41, 39, 44, 88 (8), 199 (28), 217 (35), 288 (56), 438 (105), 524 (120) | 15                 |
| 29                                  | $A_7 \times A_5 : 2$          | 302400 | 792    | 45, 65 (5), 72 (6), 76 (7), 95 (10), 169 (21), 220 (35), 546 (120)                     | 2, 17              |
| 30                                  | $S_7 \times A_5$              | 302400 | 792    | 45, 69 (5), 73 (6), 77 (7), 100 (10), 170 (21), 226 (35), 547 (120)                    | 17                 |
| 31                                  | $S_5 \times A_7$              | 302400 | 792    | 45, 68 (5), 74 (6), 78 (7), 101 (10), 130 (30), 171 (21), 227 (35)                     | 17                 |

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| Nr.                                 | Structure                   | Order  | Length | Maximal Subgroups   | Minimal Overgroups             |
| 32                                  | $A_6 \times A_6 : 2$        | 259200 | 924    | 46, 253 (36), 254 (36), 529 (100), 972 (225), 973 (225), 1401 (360), 1402 (360), 1403 (360), 1404 (360) | 19                             |
| 33                                  | $A_6 \times A_6 : 2$        | 259200 | 462    | 46, 79 (12), 76 (12), 113 (20), 138 (30), 144 (30), 1405 (720), 1406 (720)                              | 19, 20, 21                     |
| 34                                  | $S_6 \times A_6$            | 259200 | 924    | 46, 80 (6), 78 (6), 77 (6), 81 (6), 114 (10), 115 (10), 145 (15), 146 (15), 147 (15), 148 (15)          | 20                             |
| 35                                  | $S_8 \times S_3$            | 241920 | 1980   | 48, 49, 50, 57 (3), 96 (8), 223 (28), 269 (35), 354 (56), 562 (105), 667 (120)                          | 3, 9, 15                       |
| 36                                  | $A_8 \times 2 \times 2 : 3$ | 241920 | 495    | 59, 67 (4), 102 (8), 153 (30), 228 (28), 270 (35), 355 (56)   | 22, 23, 24                     |
| 37                                  | $A_9$                       | 181440 | 220    | 131 (9), 319 (36), 630 (84), 781 (240), 789 (126), 1516 (280), 3144 (840)                               | 10 (3), 18, 25 (3), 26, 27 (3) |
| 38                                  | $S_8 \times 2^2$            | 161280 | 1485   | 60, 57 (2), 58 (2), 61, 56, 129 (8), 289 (28), 329 (35), 447 (56), 742 (105), 895 (120)                 | 5 (2), 28                      |
| 39                                  | $A_8 \times 2 \times 2 : 2$ | 161280 | 1485   | 59, 62, 56, 132 (8), 290 (28), 330 (35), 448 (56), 743 (105), 896 (120)                                 | 22, 28                         |
| 40                                  | $D_8 \times A_8$            | 161280 | 1485   | 63, 60, 59, 133 (8), 201 (30), 291 (28), 331 (35), 449 (56)   | 23, 28                         |
| 41                                  | $S_8 \times 2^2$            | 161280 | 495    | 59, 61 (3), 64 (3), 134 (8), 292 (28), 332 (35), 450 (56), 744 (105), 897 (120)                         | 24, 28 (3)                     |

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|-------------------------------------|-------------------------------|--------|--------|---|--------------------|
| Nr.                                 | Structure                     | Order  | Length | Maximal Subgroups   | Minimal Overgroups |
| 42                                  | $A_8 \times 2 \cdot 2 : 2$    | 161280 | 1485   | 63, 56, 64, 135 (8),<br>293 (28), 333 (35),<br>451 (56), 745 (105),<br>898 (120)  | 28                 |
| 43                                  | $S_8 \times 4$                | 161280 | 1485   | 63, 61, 62, 136 (8),<br>294 (28), 334 (35),<br>452 (56), 746 (105),<br>899 (120)  | 28                 |
| 44                                  | $A_8 \times 2 \times 2 : 2$   | 161280 | 1485   | 60, 62, 64, 137 (8),<br>295 (28), 335 (35),<br>453 (56), 747 (105),<br>900 (120)  | 28                 |
| 45                                  | $A_7 \times A_5$              | 151200 | 792    | 102 (5), 119 (6), 125<br>(7), 159 (10), 209<br>(30), 255 (21), 356<br>(35)  | 29, 30, 31         |
| 46                                  | $A_6 \times A_6$              | 129600 | 462    | 125 (12), 126 (12),<br>190 (20), 229 (30),<br>230 (30), 2365 (720),<br>2366 (720)   | 32 (2), 33, 34 (2) |
| 47                                  | $S_7 \times 2^2 : S_3$        | 120960 | 3960   | 68, 69, 65, 88 (3), 96<br>(4), 139 (7), 287 (21),<br>418 (35), 1114 (120)   | 3, 15, 17          |
| 48                                  | $A_8 : S_3$                   | 120960 | 1980   | 67, 85 (3), 157 (8),<br>351 (28), 419 (35),<br>631 (56), 974 (105),<br>1115 (120)   | 4, 11, 22, 35      |
| 49                                  | $A_8 \times S_3$              | 120960 | 1980   | 67, 87 (3), 160 (8),<br>245 (30), 357 (28),<br>420 (35), 632 (56)   | 12, 23, 35         |
| 50                                  | $S_8 \times 3$                | 120960 | 1980   | 67, 86, 161 (8), 358<br>(28), 421 (35), 633<br>(56), 975 (105), 1116<br>(120)   | 13, 24, 35         |
| 51                                  | $S_7 \times (D_{10} \cdot 2)$ | 100800 | 4752   | 72, 73, 74, 136 (5),<br>172 (7), 324 (21), 454<br>(35), 1263 (120)  | 17                 |
| 52                                  | $M_{12}$                      | 95040  | 5040   | 247 (12), 246 (12),<br>784 (66), 788 (66),<br>1513 (144), 1934<br>(220), 1935 (220),<br>3016 (396), 3311<br>(495), 3312 (495),<br>5848 (1320) | 2                  |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups     |
| 53                                  | $S_6 \times (A_5 : 2)$        | 86400 | 5544   | 78, 76, 77, 139 (5),<br>173 (6), 174 (6), 172<br>(6), 223 (10), 231<br>(10), 296 (15), 287<br>(15) | 3, 17, 20              |
| 54                                  | $S_6 \times (A_5 : 2)$        | 86400 | 5544   | 81, 79, 80, 149 (5),<br>174 (6), 175 (6), 172<br>(6), 232 (10), 233<br>(10), 297 (15), 298<br>(15) | 20                     |
| 55                                  | $2^6 : S_3 : S_3 : S_3 : S_3$ | 82944 | 5775   | 83, 82, 84, 111 (3),<br>127 (4), 439 (27), 913<br>(64)   | 1                      |
| 56                                  | $S_8 \times 2$                | 80640 | 1485   | 89, 85 (2), 206 (8),<br>455 (28), 563 (35),<br>790 (56), 1275 (105),<br>1496 (120)                 | 6 (2), 38, 39, 42      |
| 57                                  | $S_8 \times 2$                | 80640 | 2970   | 87, 85, 86, 207 (8),<br>456 (28), 564 (35),<br>791 (56), 1276 (105),<br>1497 (120)                 | 7, 16 (2), 35 (2), 38  |
| 58                                  | $S_8 \times 2$                | 80640 | 2970   | 87, 85, 90, 208 (8),<br>457 (28), 565 (35),<br>792 (56), 1277 (105),<br>1498 (120)                 | 8, 38                  |
| 59                                  | $A_8 \times 2 \times 2$       | 80640 | 495    | 89 (3), 210 (8), 307<br>(30), 458 (28), 566<br>(35), 793 (56)                                      | 36, 39 (3), 40 (3), 41 |
| 60                                  | $A_8 \times 2 \times 2$       | 80640 | 1485   | 87 (2), 89, 211 (8),<br>308 (30), 459 (28),<br>567 (35), 794 (56)                                  | 38, 40, 44             |
| 61                                  | $S_8 \times 2$                | 80640 | 1485   | 89, 86, 90, 212 (8),<br>460 (28), 568 (35),<br>795 (56), 1278 (105),<br>1499 (120)                 | 38, 41, 43             |
| 62                                  | $A_8 \times 2 \cdot 2$        | 80640 | 1485   | 89, 213 (8), 461 (28),<br>569 (35), 796 (56),<br>1279 (105), 1500<br>(120)                         | 39, 43, 44             |
| 63                                  | $A_8 \times 2 \cdot 2$        | 80640 | 1485   | 89, 214 (8), 309 (30),<br>462 (28), 570 (35),<br>797 (56)  | 40, 42, 43             |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 64                                  | $S_8 \times 2$                        | 80640 | 1485   | 89, 90 (2), 215 (8), 463 (28), 571 (35), 798 (56), 1280 (105), 1501 (120)                  | 41, 42, 44         |
| 65                                  | $A_7 \times 2 \times 2 : S_3$         | 60480 | 3960   | 102, 132 (3), 157 (4), 219 (7), 444 (21), 695 (35), 1814 (120)                             | 4, 22, 29, 47      |
| 66                                  | $S_7 \times 2 \times S_3$             | 60480 | 7920   | 98, 99, 101, 97, 100, 95, 96, 129 (3), 223 (7), 447 (21), 696 (35), 1815 (120)             | 5, 9, 17           |
| 67                                  | $A_8 \times 3$                        | 60480 | 1980   | 131, 252 (8), 389 (30), 634 (28), 697 (35), 1097 (56)                                      | 18, 36, 48, 49, 50 |
| 68                                  | $A_7 \times 2 \times 2 : S_3$         | 60480 | 3960   | 102, 133 (3), 160 (4), 234 (7), 390 (30), 464 (21), 698 (35)                               | 23, 31, 47         |
| 69                                  | $S_7 \times A_4$                      | 60480 | 3960   | 102, 134, 161 (4), 235 (7), 465 (21), 699 (35), 1816 (120)                                 | 24, 30, 47         |
| 70                                  | $A_5 \times A_5 : 2 : 2 : 2 \times 2$ | 57600 | 8316   | 108, 109, 103, 105, 104, 110, 107, 572 (25), 741 (36), 1598 (100)                          | 5                  |
| 71                                  | $S_6 \times (3 : S_3 \cdot 2 : 2)$    | 51840 | 9240   | 114, 115, 113, 116, 112, 117, 118, 231 (6), 233 (6), 299 (9), 312 (10), 422 (15), 423 (15) | 20                 |
| 72                                  | $D_{10} \cdot S_7$                    | 50400 | 4752   | 119, 213 (5), 256 (7), 550 (21), 799 (35), 2061 (120)                                      | 29, 51             |
| 73                                  | $S_7 \times (D_{10})$                 | 50400 | 4752   | 120, 121, 119, 212 (5), 257 (7), 551 (21), 800 (35), 2062 (120)                            | 30, 51             |
| 74                                  | $A_7 \times 5 : 2 \cdot 2$            | 50400 | 4752   | 119, 214 (5), 258 (7), 436 (30), 552 (21), 801 (35)  | 31, 51             |
| 75                                  | $2^6 : S_6$                           | 46080 | 10395  | 123, 124, 122, 250 (6), 251 (6), 325 (10), 439 (15), 438 (15)                              | 1                  |

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| Nr.                                 | Structure   | Order | Length | Maximal Subgroups   | Minimal Overgroups             |
| 76                                  | $A_6 \times A_5 : 2$  | 43200 | 5544   | 125, 219 (5), 259 (6), 256 (6), 260 (6), 351 (10), 359 (10), 444 (15), 466 (15) | 4, 29, 33, 53                  |
| 77                                  | $S_6 \times A_5$  | 43200 | 5544   | 125, 235 (5), 261 (6), 257 (6), 262 (6), 360 (10), 361 (10), 467 (15), 468 (15) | 30, 34, 53                     |
| 78                                  | $S_5 \times A_6$  | 43200 | 5544   | 125, 234 (5), 263 (6), 258 (6), 262 (6), 362 (10), 363 (10), 469 (15), 470 (15) | 31, 34, 53                     |
| 79                                  | $A_6 \times A_5 : 2$  | 43200 | 5544   | 126, 236 (5), 259 (6), 256 (6), 264 (6), 364 (10), 365 (10), 471 (15), 472 (15) | 33, 54                         |
| 80                                  | $S_6 \times A_5$  | 43200 | 5544   | 126, 237 (5), 263 (6), 257 (6), 265 (6), 366 (10), 367 (10), 473 (15), 474 (15) | 34, 54                         |
| 81                                  | $A_6 \times A_5 : 2$  | 43200 | 5544   | 126, 238 (5), 261 (6), 258 (6), 265 (6), 368 (10), 369 (10), 475 (15), 476 (15) | 34, 54                         |
| 82                                  | $2^4 : 3 \times 2 \times 2 : S_3 : S_3 : S_3$               | 41472 | 5775   | 128, 180 (3), 203 (4), 748 (27), 1517 (64)                                      | 2, 55                          |
| 83                                  | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3 : S_3 : S_3$ | 41472 | 5775   | 128, 183 (3), 204 (4), 749 (27), 1518 (64)                                      | 55                             |
| 84                                  | $2^4 : 3 \times 2 \times 2 : S_3 : S_3 : 3 : 2$             | 41472 | 5775   | 128, 184, 205 (4), 750 (27), 1519 (64)  | 55                             |
| 85                                  | $S_8$   | 40320 | 2970   | 131, 319 (8), 802 (28), 976 (35), 1407 (56), 2084 (105), 2423 (120)             | 10, 25 (2), 48 (2), 56, 57, 58 |
| 86                                  | $S_8$   | 40320 | 495    | 131, 320 (8), 803 (28), 977 (35), 1408 (56), 2085 (105), 2424 (120)             | 26 (4), 50 (4), 57 (6), 61 (3) |
| 87                                  | $A_8 \times 2$  | 40320 | 2970   | 131, 321 (8), 525 (30), 804 (28), 978 (35), 1409 (56)                           | 27 (2), 49 (2), 57, 58, 60     |

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| Nr.                                 | Structure                                   | Order | Length | Maximal Subgroups   | Minimal Overgroups         |
| 88                                  | $S_7 \times D_8$                            | 40320 | 11880  | 134, 129, 133, 137, 135, 136, 132, 300 (7), 685 (21), 979 (35), 2425 (120)                          | 28, 47                     |
| 89                                  | $A_8 \times 2$                              | 40320 | 1485   | 131, 322 (8), 526 (30), 805 (28), 980 (35), 1410 (56)   | 56, 59, 60, 61, 62, 63, 64 |
| 90                                  | $S_8$                                       | 40320 | 1485   | 131, 323 (8), 806 (28), 981 (35), 1411 (56), 2086 (105), 2426 (120)                                 | 58 (2), 61, 64 (2)         |
| 91                                  | $S_6 \times 2^3 : S_3$                      | 34560 | 13860  | 142, 145, 143, 138, 147, 139, 140, 199 (3), 223 (4), 298 (6), 287 (6), 423 (10), 573 (15), 574 (15) | 5, 15, 20                  |
| 92                                  | $S_6 \times 2^3 : S_3$                      | 34560 | 13860  | 144, 148, 150, 151, 149, 146, 152, 199 (3), 232 (4), 297 (6), 296 (6), 422 (10), 575 (15), 573 (15) | 20                         |
| 93                                  | $2^3 : L_2(7) \times 2 \times 2 : S_3$      | 32256 | 14850  | 153, 201 (3), 245 (4), 336 (7), 337 (7), 390 (8), 391 (8), 392 (8)                                  | 23                         |
| 94                                  | $3 : S_3 : S_3 : S_3 : 2 \cdot 2 : 2 : S_3$ | 31104 | 15400  | 155, 156, 154, 202 (3), 248 (4), 2087 (81)  | 1                          |
| 95                                  | $S_7 \times S_3$                            | 30240 | 7920   | 158, 157, 159, 206 (3), 351 (7), 790 (21), 1167 (35), 3007 (120)                                    | 6, 11, 29, 66              |
| 96                                  | $S_7 \times S_3$                            | 30240 | 7920   | 161, 157, 160, 207 (3), 352 (7), 791 (21), 1168 (35), 3008 (120)                                    | 7, 35 (2), 47 (2), 66      |
| 97                                  | $A_7 \times 2 : S_3$                        | 30240 | 7920   | 162, 157, 163, 208 (3), 353 (7), 792 (21), 1169 (35), 3009 (120)                                    | 8, 66                      |
| 98                                  | $S_7 \times S_3$                            | 30240 | 7920   | 158, 162, 160, 208 (3), 357 (7), 807 (21), 1170 (35), 3010 (120)                                    | 12, 66                     |
| 99                                  | $S_7 \times 6$                              | 30240 | 7920   | 158, 161, 163, 207, 358 (7), 808 (21), 1171 (35), 3011 (120)  | 13, 66                     |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 100                                 | $S_7 \times S_3$                      | 30240 | 7920   | 162, 161, 159, 212 (3), 361 (7), 809 (21), 1172 (35), 3012 (120)                         | 30, 66             |
| 101                                 | $A_7 \times 2 \times S_3$             | 30240 | 7920   | 159, 163, 160, 211 (3), 362 (7), 668 (30), 810 (21), 1173 (35)                           | 31, 66             |
| 102                                 | $A_7 \times 2 \times 2 : 3$           | 30240 | 3960   | 210, 252 (4), 370 (7), 669 (30), 811 (21), 1174 (35)                                     | 36, 45, 65, 68, 69 |
| 103                                 | $A_5 \times A_5 : 2 : 2 : 2$          | 28800 | 8316   | 164, 169, 165, 982 (25), 1268 (36), 2499 (100)   | 6, 70              |
| 104                                 | $A_5 \times A_5 : 2 : 2 : 2$          | 28800 | 8316   | 164, 173, 176, 983 (25), 1269 (36), 2500 (100)   | 7, 70              |
| 105                                 | $A_5 \times A_5 : 2 \cdot 2 \times 2$ | 28800 | 8316   | 168, 164, 177, 984 (25), 1270 (36), 2501 (100)   | 8, 70              |
| 106                                 | $A_5 \times A_5 : 2 : 2 : 2$          | 28800 | 16632  | 167, 175, 166, 985 (25), 1271 (36), 2502 (100)   | 14                 |
| 107                                 | $A_5 \times A_5 : 2 : 2 : 2$          | 28800 | 8316   | 168, 173, 165, 986 (25), 1271 (36), 2503 (100)   | 14 (2), 70         |
| 108                                 | $S_5 \times (S_5 \times 2)$           | 28800 | 8316   | 177, 169, 171 (2), 173, 170 (2), 287 (10), 324 (12), 447 (20)                            | 17 (2), 70         |
| 109                                 | $A_5 \times A_5 : 2 \times 2 : 2$     | 28800 | 8316   | 178 (2), 179 (2), 176, 165, 177, 987 (25), 1272 (36), 1829 (120), 2504 (100)             | 70                 |
| 110                                 | $A_5 \times A_5 : 2 : 2 : 2$          | 28800 | 8316   | 168, 169, 176, 988 (25), 1273 (36), 2505 (100)   | 70                 |
| 111                                 | $2^6 : S_3 : S_3 : 2 : S_3$           | 27648 | 17325  | 183, 184, 185, 180, 186, 181, 182, 217 (3), 269 (4), 440 (9), 700 (16)                   | 15, 55             |
| 112                                 | $S_6 \times S_3 \times S_3$           | 25920 | 9240   | 189 (2), 191, 188 (2), 192, 187, 223 (6), 354 (6), 371 (6), 530 (10), 696 (15), 701 (15) | 9 (2), 71          |

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|-------------------------------------|----------------------------------|-------|--------|--|--------------------|
| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 113                                 | $A_6 : S_3 : S_3 : 2$            | 25920 | 9240   | 190, 187, 193, 359 (6), 365 (6), 477 (9), 531 (10), 702 (15), 703 (15)                   | 33, 71             |
| 114                                 | $S_6 \times (3 : S_3 \cdot 2)$   | 25920 | 9240   | 190, 194, 192, 369 (6), 363 (6), 478 (9), 532 (10), 704 (15), 705 (15)                   | 34, 71             |
| 115                                 | $A_6 \times 3 : S_3 \cdot 2 : 2$ | 25920 | 9240   | 195, 191, 190, 366 (6), 360 (6), 479 (9), 532 (10), 706 (15), 707 (15)                   | 34, 71             |
| 116                                 | $A_6 : S_3 : S_3 : 2$            | 25920 | 9240   | 191, 193, 194, 372 (6), 373 (6), 480 (9), 533 (10), 708 (15), 709 (15)                   | 71                 |
| 117                                 | $3 : S_3 \cdot A_6 : 2 : 2$      | 25920 | 9240   | 195, 194, 187, 374 (6), 375 (6), 481 (9), 534 (10), 710 (15), 711 (15)                   | 71                 |
| 118                                 | $S_6 \times S_3 \times S_3$      | 25920 | 9240   | 193, 195, 196 (2), 197 (2), 192, 232 (6), 376 (6), 377 (6), 535 (10), 712 (15), 713 (15) | 71                 |
| 119                                 | $A_7 \times 5 : 2$               | 25200 | 4752   | 198, 322 (5), 412 (7), 739 (30), 958 (21), 1412 (35)                                     | 45, 72, 73, 74     |
| 120                                 | $A_7 \times 5 : 2$               | 25200 | 4752   | 198, 323 (5), 413 (7), 959 (21), 1413 (35), 3277 (120)                                   | 73                 |
| 121                                 | $S_7 \times 5$                   | 25200 | 4752   | 198, 320, 414 (7), 960 (21), 1414 (35), 3278 (120)                                       | 73                 |
| 122                                 | $2^5 : A_6 : 2$                  | 23040 | 10395  | 200, 405 (6), 402 (6), 558 (10), 743 (15), 748 (15), 787 (32)                            | 2, 75              |
| 123                                 | $2^5 : A_6 : 2$                  | 23040 | 10395  | 200, 406 (6), 407 (6), 576 (10), 751 (15), 752 (15)                                      | 75                 |
| 124                                 | $2^5 \cdot S_6$                  | 23040 | 10395  | 200, 408 (6), 409 (6), 577 (10), 753 (15), 754 (15)                                      | 75                 |

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| Nr.                                 | Structure                                   | Order | Length | Maximal Subgroups  | Minimal Overgroups                                 |
| 125                                 | $A_6 \times A_5$                            | 21600 | 5544   | 370 (5), 412 (6), 415 (6), 416 (6), 635 (10), 636 (10), 812 (15), 813 (15) | 45, 46, 76, 77, 78                                 |
| 126                                 | $A_6 \times A_5$                            | 21600 | 5544   | 378 (5), 412 (6), 417 (6), 416 (6), 637 (10), 638 (10), 814 (15), 815 (15) | 46, 79, 80, 81                                     |
| 127                                 | $2^4 : 3 \times 2 \times 2 : 3 : S_3 : S_3$ | 20736 | 23100  | 205, 204, 203, 271 (3), 272 (3), 2435 (64)                                 | 55   |
| 128                                 | $2^4 : 3 \times 2 \times 2 : S_3 : S_3 : 3$ | 20736 | 5775   | 273, 313 (4), 1281 (27), 2436 (64)   | 82, 83, 84   |
| 129                                 | $S_7 \times 2^2$                            | 20160 | 11880  | 208 (2), 211, 207 (2), 206, 212, 456 (7), 1132 (21), 1599 (35), 3857 (120) | 16 (2), 38, 66 (2), 88                             |
| 130                                 | $S_5 \times L_2(7)$                         | 20160 | 23760  | 209, 390 (5), 436 (6), 469 (7), 482 (7), 548 (8), 668 (10)                 | 31   |
| 131                                 | $A_8$                                       | 20160 | 495    | 549 (8), 901 (30), 1415 (28), 1600 (35), 2367 (56)                         | 37 (4), 67 (4), 85 (6), 86, 87 (6), 89 (3), 90 (3) |
| 132                                 | $A_7 \times 2 \times 2 : 2$                 | 20160 | 11880  | 213, 210, 206, 483 (7), 1133 (21), 1601 (35), 3858 (120)                   | 39, 65, 88   |
| 133                                 | $D_8 \times A_7$                            | 20160 | 11880  | 214, 210, 211, 484 (7), 902 (30), 1134 (21), 1602 (35)                     | 40, 68, 88   |
| 134                                 | $S_7 \times 2^2$                            | 20160 | 3960   | 215 (3), 212 (3), 210, 485 (7), 1135 (21), 1603 (35), 3859 (120)           | 41, 69, 88 (3)                                     |
| 135                                 | $A_7 \times 2 \cdot 2 : 2$                  | 20160 | 11880  | 215, 214, 206, 486 (7), 1136 (21), 1604 (35), 3860 (120)                   | 42, 88   |
| 136                                 | $S_7 \times 4$                              | 20160 | 11880  | 213, 214, 212, 487 (7), 1137 (21), 1605 (35), 3861 (120)                   | 43, 51 (2), 88                                     |
| 137                                 | $A_7 \times 2 \times 2 : 2$                 | 20160 | 11880  | 215, 211, 213, 488 (7), 1138 (21), 1606 (35), 3862 (120)                   | 44, 88   |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups    |
| 138                                 | $S_6 \times 2^2 : S_3$                 | 17280 | 13860  | 228, 219, 229, 290 (3), 351 (4), 444 (6), 472 (6), 702 (10), 989 (15), 990 (15)          | 6, 22, 33, 91         |
| 139                                 | $S_6 \times 2^2 : S_3$                 | 17280 | 13860  | 219, 235, 234, 300 (3), 352 (4), 445 (6), 489 (6), 714 (10), 991 (15), 992 (15)          | 7, 47 (2), 53 (2), 91 |
| 140                                 | $A_6 \times 2 \times 2 \times 2 : S_3$ | 17280 | 13860  | 219, 239, 240, 301 (3), 353 (4), 490 (6), 446 (6), 715 (10), 993 (15), 994 (15)          | 8, 91                 |
| 141                                 | $S_5 \times 2^2 : S_3 \times S_3$      | 17280 | 27720  | 222, 224, 227, 226, 220, 225, 221, 288 (3), 287 (3), 354 (4), 418 (5), 454 (6), 696 (10) | 9, 15, 17             |
| 142                                 | $S_6 \times 2^2 : S_3$                 | 17280 | 13860  | 228, 239, 234, 291 (3), 357 (4), 491 (6), 464 (6), 716 (10), 995 (15), 996 (15)          | 23, 91                |
| 143                                 | $S_6 \times (A_4 \times 2)$            | 17280 | 13860  | 235, 228, 240, 292, 358 (4), 492 (6), 465 (6), 717 (10), 997 (15), 998 (15)              | 24, 91                |
| 144                                 | $S_6 \times 2^2 : S_3$                 | 17280 | 13860  | 241, 236, 230, 290 (3), 364 (4), 466 (6), 471 (6), 703 (10), 990 (15), 999 (15)          | 33, 92                |
| 145                                 | $A_6 \times 2 \times 2 \times 2 : S_3$ | 17280 | 13860  | 229, 234, 240, 302 (3), 362 (4), 468 (6), 473 (6), 705 (10), 1000 (15), 1001 (15)        | 34, 91                |
| 146                                 | $S_6 \times 2^2 : S_3$                 | 17280 | 13860  | 237, 242, 230, 303 (3), 367 (4), 476 (6), 469 (6), 707 (10), 1002 (15), 1000 (15)        | 34, 92                |
| 147                                 | $S_6 \times 2^2 : S_3$                 | 17280 | 13860  | 239, 235, 229, 303 (3), 361 (4), 475 (6), 470 (6), 706 (10), 1003 (15), 1001 (15)        | 34, 91                |

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|-------------------------------------|--|-------|--------|---|--------------------------------|
| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups   | Minimal Overgroups             |
| 148                                 | $A_6 \times 2 \times 2 \times 2 : S_3$ | 17280 | 13860  | 230, 243, 238, 302 (3), 368 (4), 467 (6), 474 (6), 704 (10), 1002 (15), 1003 (15) | 34, 92                         |
| 149                                 | $S_6 \times 2^2 : S_3$                 | 17280 | 13860  | 237, 236, 238, 304 (3), 379 (4), 493 (6), 494 (6), 718 (10), 1004 (15), 1005 (15) | 54 (2), 92                     |
| 150                                 | $S_6 \times (A_4 \times 2)$            | 17280 | 13860  | 237, 241, 243, 289, 380 (4), 495 (6), 496 (6), 719 (10), 1006 (15), 1007 (15)     | 92                             |
| 151                                 | $S_6 \times 2^2 : S_3$                 | 17280 | 13860  | 241, 242, 238, 293 (3), 381 (4), 497 (6), 498 (6), 720 (10), 1008 (15), 1009 (15) | 92                             |
| 152                                 | $A_6 \times 2 \times 2 \times 2 : S_3$ | 17280 | 13860  | 236, 242, 243, 305 (3), 382 (4), 499 (6), 500 (6), 721 (10), 1010 (15), 1011 (15) | 92                             |
| 153                                 | $2^3 : L_2(7) \times 2 \times 2 : 3$   | 16128 | 14850  | 307, 389 (4), 578 (7), 579 (7), 670 (8), 669 (8), 671 (8)                         | 36, 93                         |
| 154                                 | $3 : S_3 : S_3 : S_3 : 2 : 2 : S_3$    | 15552 | 15400  | 249, 310 (3), 396 (8), 393 (4), 3313 (81)   | 2, 94                          |
| 155                                 | $3^2 : S_3 : S_3 : 2 : 2 : 2 : 3 : 2$  | 15552 | 15400  | 249, 314, 397 (4), 3314 (81)  | 94                             |
| 156                                 | $3 : S_3 : S_3 : S_3 : 2 : 2 : S_3$    | 15552 | 15400  | 249, 315 (3), 398 (8), 399 (4), 3315 (81)   | 94                             |
| 157                                 | $A_7 : S_3$                            | 15120 | 7920   | 252, 319 (3), 630 (7), 1407 (21), 1936 (35), 4912 (120)                           | 10, 48 (2), 65 (2), 95, 96, 97 |
| 158                                 | $S_7 \times 3$                         | 15120 | 7920   | 252, 319, 634 (7), 1416 (21), 1937 (35), 4913 (120)                               | 18, 95, 98, 99                 |
| 159                                 | $A_7 \times S_3$                       | 15120 | 7920   | 252, 322 (3), 635 (7), 1117 (30), 1417 (21), 1938 (35)                            | 45, 95, 100, 101               |
| 160                                 | $A_7 \times S_3$                       | 15120 | 7920   | 252, 321 (3), 639 (7), 1118 (30), 1418 (21), 1939 (35)                            | 49 (2), 68 (2), 96, 98, 101    |

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|-------------------------------------|-------------------------------|-------|--------|---|--------------------------------|
| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups   | Minimal Overgroups             |
| 161                                 | $S_7 \times 3$                | 15120 | 7920   | 252, 320, 640 (7),<br>1419 (21), 1940 (35),<br>4914 (120)                         | 50 (2), 69 (2), 96, 99,<br>100 |
| 162                                 | $A_7 : S_3$                   | 15120 | 7920   | 252, 323 (3), 641 (7),<br>1420 (21), 1941 (35),<br>4915 (120)                     | 97, 98, 100                    |
| 163                                 | $A_7 \times 3 \times 2$       | 15120 | 7920   | 252, 321, 642 (7),<br>1119 (30), 1421 (21),<br>1942 (35)                          | 97, 99, 101                    |
| 164                                 | $A_5 \times A_5 : 2 \cdot 2$  | 14400 | 8316   | 260, 1607 (25), 2065<br>(36), 3928 (100)  | 10, 103, 104, 105              |
| 165                                 | $A_5 \times A_5 : 2 : 2$      | 14400 | 8316   | 253 (2), 260, 1608<br>(25), 2066 (36), 3017<br>(120), 3929 (100)                  | 19 (2), 103, 107, 109          |
| 166                                 | $A_5 \times A_5 : 2 : 2$      | 14400 | 16632  | 254 (2), 264, 1609<br>(25), 2066 (36), 3016<br>(120), 3930 (100)                  | 19, 106                        |
| 167                                 | $A_5 \times A_5 : 2 \cdot 2$  | 14400 | 16632  | 264, 1610 (25), 2067<br>(36), 3931 (100)  | 21, 106                        |
| 168                                 | $A_5 \times A_5 : 2 \cdot 2$  | 14400 | 8316   | 260, 1611 (25), 2067<br>(36), 3932 (100)  | 21 (2), 105, 107, 110          |
| 169                                 | $S_5 \times (A_5 : 2)$        | 14400 | 8316   | 255 (2), 260, 444<br>(10), 550 (12), 790<br>(20)                                  | 29 (2), 103, 108, 110          |
| 170                                 | $S_5 \times (A_5 \times 2)$   | 14400 | 16632  | 255, 262, 266, 468<br>(5), 465 (5), 551 (6),<br>553 (6), 816 (10), 809<br>(10)    | 30, 108                        |
| 171                                 | $S_5 \times (A_5 : 2)$        | 14400 | 16632  | 255, 267, 262, 464<br>(5), 470 (5), 552 (6),<br>554 (6), 810 (10), 817<br>(10)    | 31, 108                        |
| 172                                 | $S_6 \times (D_{10} \cdot 2)$ | 14400 | 33264  | 257, 258, 256, 487<br>(5), 555 (6), 556 (6),<br>818 (10), 1139 (15),<br>1140 (15) | 51, 53, 54                     |
| 173                                 | $S_5 \times (A_5 : 2)$        | 14400 | 8316   | 262 (2), 260, 445<br>(10), 555 (12), 791<br>(20)                                  | 53 (4), 104, 107, 108          |
| 174                                 | $S_5 \times (A_5 : 2)$        | 14400 | 33264  | 263, 259, 261, 494<br>(5), 489 (5), 555 (6),<br>556 (6), 819 (10), 820<br>(10)    | 53, 54                         |

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|-------------------------------------|---|-------|--------|---|-----------------------|
| Nr.                                 | Structure   | Order | Length | Maximal Subgroups   | Minimal Overgroups    |
| 175                                 | $A_5 \times A_5 : 2 : 2$                                      | 14400 | 16632  | 265 (2), 264, 493 (10), 556 (12), 821 (20)                              | 54 (2), 106           |
| 176                                 | $A_5 \times A_5 : 2 : 2$                                      | 14400 | 8316   | 268 (2), 260, 1612 (25), 2068 (36), 3018 (120), 3933 (100)              | 104, 109, 110         |
| 177                                 | $A_5 \times A_5 : 2 \times 2$                                 | 14400 | 8316   | 260, 266, 267, 446 (10), 557 (12), 792 (20), 3019 (120)                 | 105, 108, 109         |
| 178                                 | $A_5 \times A_5 : 2 \times 2$                                 | 14400 | 16632  | 253, 266, 268, 1613 (25), 2069 (36), 3020 (60), 3021 (60), 3934 (100)   | 109                   |
| 179                                 | $A_5 \times A_5 : 2 : 2$                                      | 14400 | 16632  | 253, 267, 268, 1614 (25), 2070 (36), 3022 (60), 3023 (60), 3935 (100)   | 109                   |
| 180                                 | $2^6 : S_3 : S_3 : S_3$                                       | 13824 | 17325  | 270, 274, 273, 330 (3), 419 (4), 755 (9), 1175 (16)                     | 22, 82, 111           |
| 181                                 | $2^6 : S_3 : S_3 : S_3$                                       | 13824 | 17325  | 275 (2), 276, 272 (2), 270, 277, 337 (6), 331 (3), 420 (4), 1176 (16)   | 23, 111               |
| 182                                 | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3 : S_3 : 2$     | 13824 | 17325  | 270, 278, 279, 332, 421 (4), 756 (9), 1177 (16)                         | 24, 111               |
| 183                                 | $A_4 \times 2 \times 2 \times 2 : S_3 \cdot 2 \times 2 : S_3$ | 13824 | 17325  | 277, 278, 273, 338 (3), 424 (4), 757 (9), 1178 (16)                     | 83, 111               |
| 184                                 | $2^6 : S_3 : S_3 : S_3$                                       | 13824 | 5775   | 273, 279 (3), 276 (3), 339 (9), 418 (12)                                | 84, 111 (3)           |
| 185                                 | $A_4 \times 2 \times 2 \times 2 : S_3 \cdot 2 \times 2 : S_3$ | 13824 | 17325  | 274, 278, 276, 340 (3), 425 (4), 758 (9), 1179 (16)                     | 111                   |
| 186                                 | $2^6 : S_3 : S_3 : S_3$                                       | 13824 | 17325  | 277, 274, 279, 341 (3), 426 (4), 759 (9), 1180 (16)                     | 111                   |
| 187                                 | $A_6 : S_3 : S_3$   | 12960 | 9240   | 280 (2), 281, 351 (6), 631 (6), 643 (6), 914 (10), 1167 (15), 1181 (15) | 11 (2), 112, 113, 117 |

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|-------------------------------------|------------------------------|-------|--------|---|--------------------|
| Nr.                                 | Structure                    | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 188                                 | $A_6 \times S_3 : S_3$       | 12960 | 18480  | 280, 282, 283, 357 (3), 353 (3), 632 (6), 644 (6), 915 (10), 1170 (15), 1182 (15) | 12, 112            |
| 189                                 | $S_6 \times 3 \times S_3$    | 12960 | 18480  | 284, 280, 283, 352, 358 (3), 645 (6), 633 (6), 916 (10), 1183 (15), 1171 (15)     | 13, 112            |
| 190                                 | $A_6 \times 3 : S_3 \cdot 2$ | 12960 | 9240   | 281, 636 (6), 638 (6), 822 (9), 917 (10), 1184 (15), 1185 (15)                    | 46, 113, 114, 115  |
| 191                                 | $A_6 \times S_3 \times S_3$  | 12960 | 9240   | 281, 283 (2), 362 (6), 646 (6), 647 (6), 918 (10), 1186 (15), 1187 (15)           | 112, 115, 116      |
| 192                                 | $S_6 \times 3 : S_3$         | 12960 | 9240   | 281, 282, 284, 367 (6), 361 (6), 648 (6), 649 (6), 919 (10), 1188 (15), 1189 (15) | 112, 114, 118      |
| 193                                 | $A_6 : S_3 : S_3$            | 12960 | 9240   | 285 (2), 281, 364 (6), 650 (6), 651 (6), 920 (10), 1190 (15), 1191 (15)           | 113, 116, 118      |
| 194                                 | $A_6 \times 3 : S_3 \cdot 2$ | 12960 | 9240   | 281, 652 (6), 653 (6), 823 (9), 921 (10), 1192 (15), 1193 (15)                    | 114, 116, 117      |
| 195                                 | $A_6 \times S_3 \times S_3$  | 12960 | 9240   | 286 (2), 281, 368 (6), 654 (6), 655 (6), 922 (10), 1194 (15), 1195 (15)           | 115, 117, 118      |
| 196                                 | $A_6 \times S_3 : S_3$       | 12960 | 18480  | 282, 285, 286, 381 (3), 382 (3), 656 (6), 657 (6), 923 (10), 1196 (15), 1197 (15) | 118                |
| 197                                 | $S_6 \times 3 \times S_3$    | 12960 | 18480  | 285, 284, 286, 379, 380 (3), 658 (6), 659 (6), 924 (10), 1198 (15), 1199 (15)     | 118                |
| 198                                 | $A_7 \times 5$               | 12600 | 4752   | 549, 694 (7), 1264 (30), 1588 (21), 2368 (35)                                     | 119, 120, 121      |

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|-------------------------------------|---|-------|--------|--|------------------------------------|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups                 |
| 199                                 | $S_6 \times (D_8 \times 2)$               | 11520 | 41580  | 306, 290, 303, 289, 305, 300, 294, 301, 292, 302, 291, 293, 304, 299, 295, 686 (6), 685 (6), 1012 (10), 1282 (15), 1283 (15) | 28, 91, 92                         |
| 200                                 | $2^5 : A_6$                               | 11520 | 10395  | 687 (6), 688 (6), 1013 (10), 1284 (15), 1285 (15), 1401 (32)   | 122, 123, 124                      |
| 201                                 | $D_8 \times (2^3 : L_2(7))$               | 10752 | 44550  | 309, 308, 307, 760 (7), 761 (7), 902 (8), 903 (8), 904 (8)   | 40, 93                             |
| 202                                 | $3 : S_3 \cdot S_3 : S_3 : 2 : 2 : 2 : 2$ | 10368 | 46200  | 316, 314, 310, 312, 315, 311, 317, 4432 (81)   | 14, 94                             |
| 203                                 | $2^4 : 3 \times 2 \times 2 : 3 : 3 : S_3$ | 10368 | 23100  | 313, 427, 428 (3), 3874 (64)   | 82, 127                            |
| 204                                 | $2^6 : 3 \cdot 3 : 3 : S_3$               | 10368 | 23100  | 313, 429 (6), 430 (3), 431 (3), 3875 (64)  | 83, 127                            |
| 205                                 | $2^4 : 3 \times 2 \times 2 : 3 : 3 : S_3$ | 10368 | 23100  | 313, 432, 433 (3), 3876 (64)   | 84, 127                            |
| 206                                 | $S_7 \times 2$                            | 10080 | 11880  | 319 (2), 322, 802 (7), 1830 (21), 2506 (35), 5777 (120)  | 25 (2), 56, 95 (2), 129, 132, 135  |
| 207                                 | $S_7 \times 2$                            | 10080 | 7920   | 319, 321, 320, 803 (7), 1831 (21), 2507 (35), 5778 (120)   | 26, 57 (3), 96 (3), 99, 129 (3)    |
| 208                                 | $S_7 \times 2$                            | 10080 | 23760  | 319, 321, 323, 804 (7), 1832 (21), 2508 (35), 5779 (120)   | 27, 58, 97, 98, 129                |
| 209                                 | $L_2(7) \times A_5$                       | 10080 | 23760  | 669 (5), 739 (6), 813 (7), 824 (7), 957 (8), 1117 (10)   | 45, 130                            |
| 210                                 | $A_7 \times 2 \times 2$                   | 10080 | 3960   | 322 (3), 825 (7), 1502 (30), 1833 (21), 2509 (35)  | 59, 102, 132 (3), 133 (3), 134     |
| 211                                 | $A_7 \times 2 \times 2$                   | 10080 | 11880  | 321 (2), 322, 826 (7), 1503 (30), 1834 (21), 2510 (35)   | 60, 101 (2), 129, 133, 137         |
| 212                                 | $S_7 \times 2$                            | 10080 | 11880  | 323, 322, 320, 827 (7), 1835 (21), 2511 (35), 5780 (120)   | 61, 73 (2), 100 (2), 129, 134, 136 |

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|-------------------------------------|--|-------|--------|--|-----------------------------------|
| Nr.                                 | Structure  | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 213                                 | $A_7 \times 2 \cdot 2$                                 | 10080 | 11880  | 322, 828 (7), 1836 (21), 2512 (35), 5781 (120)   | 62, 72 (2), 132, 136, 137         |
| 214                                 | $A_7 \times 2 \cdot 2$                                 | 10080 | 11880  | 322, 829 (7), 1504 (30), 1837 (21), 2513 (35)  | 63, 74 (2), 133, 135, 136         |
| 215                                 | $S_7 \times 2$   | 10080 | 11880  | 323 (2), 322, 830 (7), 1838 (21), 2514 (35), 5782 (120)  | 64, 134, 135, 137                 |
| 216                                 | $2^{1+4} : 2^3 : S_3 : S_3$                            | 9216  | 51975  | 342, 328, 336, 343, 344, 327, 345, 440 (3), 438 (3), 562 (4), 573 (4)                          | 15                                |
| 217                                 | $D_8 \times (A_4 \times 2 \times 2 : S_3 \cdot 2 : 2)$ | 9216  | 51975  | 334, 335, 332, 338, 326, 330, 329, 340, 346, 331, 339, 347, 333, 348, 341, 1113 (9), 1615 (16) | 28, 111                           |
| 218                                 | $L_2(8) : 3 \times S_3$                                | 9072  | 52800  | 349, 442, 441 (3), 1120 (9), 2437 (28), 3010 (36)  | 12                                |
| 219                                 | $A_6 \times 2 \times 2 : S_3$                          | 8640  | 13860  | 370, 483 (3), 630 (4), 789 (6), 831 (6), 1200 (10), 1616 (15), 1617 (15)                       | 10, 65 (2), 76 (2), 138, 139, 140 |
| 220                                 | $A_5 \times 2 \times 2 : S_3 : S_3$                    | 8640  | 27720  | 350, 355, 356, 444 (3), 448 (3), 631 (4), 695 (5), 799 (6), 1167 (10)                          | 11, 22, 29, 141                   |
| 221                                 | $A_5 \times 2 \times 2 : S_3 \times S_3$               | 8640  | 27720  | 350, 383, 384, 446 (3), 501 (3), 632 (4), 722 (5), 832 (6), 1170 (10)                          | 12, 141                           |
| 222                                 | $S_5 \times (2 \times 6) : S_3$                        | 8640  | 27720  | 350, 385, 386, 445, 502 (3), 633 (4), 723 (5), 833 (6), 1171 (10)                              | 13, 141                           |
| 223                                 | $S_6 \times 2 \times S_3$                              | 8640  | 55440  | 357, 362, 352, 361, 351, 353, 358, 456 (3), 791 (6), 820 (6), 1201 (10), 1599 (15), 1618 (15)  | 16, 35, 53, 66, 91, 112           |

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|-------------------------------------|--|-------|--------|---|--------------------|
| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 224                                 | $A_5 \times 2 \times 2 : S_3 : S_3$      | 8640  | 27720  | 355, 383, 386, 449 (3), 464 (3), 632 (4), 698 (5), 834 (6), 1202 (10)                         | 23, 141            |
| 225                                 | $S_5 \times A_4 \times S_3$              | 8640  | 27720  | 385, 355, 384, 450, 465 (3), 633 (4), 699 (5), 835 (6), 1203 (10)                             | 24, 141            |
| 226                                 | $A_5 \times 2 \times 2 : S_3 \times S_3$ | 8640  | 27720  | 384, 386, 356, 503 (3), 468 (3), 647 (4), 699 (5), 800 (6), 1172 (10)                         | 30, 141            |
| 227                                 | $S_5 \times A_4 : S_3$                   | 8640  | 27720  | 385, 383, 356, 504 (3), 482 (6), 470 (3), 649 (4), 698 (5), 801 (6), 1173 (10)                | 31, 141            |
| 228                                 | $S_6 \times A_4$                         | 8640  | 13860  | 370, 458, 634 (4), 836 (6), 811 (6), 1204 (10), 1619 (15), 1620 (15)                          | 36, 138, 142, 143  |
| 229                                 | $A_6 \times 2 \times 2 : S_3$            | 8640  | 13860  | 370, 505 (3), 635 (4), 812 (6), 815 (6), 1184 (10), 1621 (15), 1622 (15)                      | 46, 138, 145, 147  |
| 230                                 | $A_6 \times 2 \times 2 : S_3$            | 8640  | 13860  | 378, 505 (3), 637 (4), 813 (6), 814 (6), 1185 (10), 1622 (15), 1623 (15)                      | 46, 144, 146, 148  |
| 231                                 | $S_5 \times (3 : S_3 \cdot 2 : 2)$       | 8640  | 55440  | 363, 354, 372, 360, 374, 376, 359, 714 (5), 818 (6), 1141 (9), 1201 (10)                      | 53, 71             |
| 232                                 | $S_6 \times 2 \times S_3$                | 8640  | 55440  | 367, 368, 364, 380, 382, 379, 381, 506 (3), 819 (6), 821 (6), 1205 (10), 1624 (15), 1625 (15) | 54, 92, 118        |
| 233                                 | $A_5 \times 3 : S_3 \cdot 2 : 2 : 2$     | 8640  | 55440  | 365, 373, 371, 366, 375, 377, 369, 718 (5), 818 (6), 1142 (9), 1205 (10)                      | 54, 71             |

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|-------------------------------------|--------------------------------------|-------|--------|--|-------------------------------|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups            |
| 234                                 | $A_6 \times 2 \times 2 : S_3$        | 8640  | 13860  | 370, 484 (3), 639 (4), 837 (6), 838 (6), 1206 (10), 1626 (15), 1627 (15) | 68 (2), 78 (2), 139, 142, 145 |
| 235                                 | $S_6 \times A_4$                     | 8640  | 13860  | 370, 485, 640 (4), 839 (6), 840 (6), 1207 (10), 1628 (15), 1629 (15)     | 69 (2), 77 (2), 139, 143, 147 |
| 236                                 | $A_6 \times 2 \times 2 : S_3$        | 8640  | 13860  | 378, 507 (3), 660 (4), 841 (6), 842 (6), 1208 (10), 1630 (15), 1631 (15) | 79 (2), 144, 149, 152         |
| 237                                 | $S_6 \times A_4$                     | 8640  | 13860  | 378, 508, 661 (4), 843 (6), 844 (6), 1209 (10), 1632 (15), 1633 (15)     | 80 (2), 146, 149, 150         |
| 238                                 | $A_6 \times 2 \times 2 : S_3$        | 8640  | 13860  | 378, 509 (3), 662 (4), 845 (6), 846 (6), 1210 (10), 1634 (15), 1635 (15) | 81 (2), 148, 149, 151         |
| 239                                 | $A_6 \times 2 \times 2 : S_3$        | 8640  | 13860  | 370, 510 (3), 641 (4), 847 (6), 848 (6), 1211 (10), 1636 (15), 1637 (15) | 140, 142, 147                 |
| 240                                 | $A_6 \times 2 \times 2 : 3 \times 2$ | 8640  | 13860  | 370, 511, 642 (4), 849 (6), 850 (6), 1212 (10), 1638 (15), 1639 (15)     | 140, 143, 145                 |
| 241                                 | $S_6 \times A_4$                     | 8640  | 13860  | 378, 455, 663 (4), 851 (6), 852 (6), 1213 (10), 1640 (15), 1641 (15)     | 144, 150, 151                 |
| 242                                 | $A_6 \times 2 \times 2 : S_3$        | 8640  | 13860  | 378, 512 (3), 664 (4), 853 (6), 854 (6), 1214 (10), 1642 (15), 1643 (15) | 146, 151, 152                 |
| 243                                 | $A_6 \times 2 \times 2 : 3 \times 2$ | 8640  | 13860  | 378, 513, 665 (4), 855 (6), 856 (6), 1215 (10), 1644 (15), 1645 (15)     | 148, 150, 152                 |

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|-------------------------------------|--|-------|--------|---|--|
| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups   | Minimal Overgroups                                 |
| 244                                 | $L_2(7) : 2 \times 2 \times 2 : S_3$         | 8064  | 59400  | 391, 387, 388, 524 (3), 667 (4), 1114 (8), 2088 (21), 2515 (28)           | 15   |
| 245                                 | $2^3 : L_2(7) \times S_3$                    | 8064  | 59400  | 389, 525 (3), 1014 (7), 1015 (7), 1121 (8), 1118 (8), 1120 (8)            | 49, 93   |
| 246                                 | $M_{11}$                                     | 7920  | 60480  | 1400 (11), 1514 (12), 3936 (55), 4919 (66), 7250 (165)                    | 4, 52  |
| 247                                 | $M_{11}$                                     | 7920  | 60480  | 1402 (11), 1514 (12), 3937 (55), 4920 (66), 7251 (165)                    | 52   |
| 248                                 | $S_3 \times S_3 \times S_3 : S_3 \times S_3$ | 7776  | 61600  | 400, 395, 394, 399, 401, 393, 397, 530 (3), 528 (3), 673 (4), 2516 (27)   | 9, 94  |
| 249                                 | $3^2 : S_3 : S_3 : 2 : 2 : 2 : 3$            | 7776  | 15400  | 536, 674 (8), 675 (8), 676 (4), 5171 (81)                                 | 154, 155, 156                                      |
| 250                                 | $2^4 : A_5 \times 2 : 2 \times 2$            | 7680  | 62370  | 410, 403, 409, 407, 411, 404, 402, 742 (5), 956 (6), 1282 (10), 1829 (16) | 5, 75  |
| 251                                 | $2^5 : A_5 : 2 : 2$                          | 7680  | 62370  | 408, 405, 406, 762 (5), 956 (6), 1286 (10)                                | 75   |
| 252                                 | $A_7 \times 3$                               | 7560  | 7920   | 549, 1098 (7), 1817 (30), 2369 (21), 3145 (35)                            | 67 (2), 102 (2), 157, 158, 159, 160, 161, 162, 163 |
| 253                                 | $A_5 \times A_5 : 2$                         | 7200  | 16632  | 415, 2517 (25), 3280 (36), 4921 (60), 4922 (60), 5849 (100)               | 32 (2), 165, 178, 179                              |
| 254                                 | $A_5 \times A_5 : 2$                         | 7200  | 33264  | 417, 2518 (25), 3280 (36), 4923 (60), 4924 (60), 5850 (100)               | 32, 166  |
| 255                                 | $S_5 \times A_5$                             | 7200  | 16632  | 415, 811 (5), 812 (5), 961 (6), 958 (6), 1422 (10), 1417 (10)             | 45, 169, 170, 171                                  |
| 256                                 | $A_6 \times 5 : 2 \cdot 2$                   | 7200  | 33264  | 412, 828 (5), 962 (6), 963 (6), 1423 (10), 1839 (15), 1840 (15)           | 72, 76, 79, 172                                    |

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|-------------------------------------|--|-------|--------|---|---|
| Nr.                                 | Structure  | Order | Length | Maximal Subgroups   | Minimal Overgroups                        |
| 257                                 | $S_6 \times (D_{10})$                                | 7200  | 33264  | 413, 412, 414, 827 (5), 964 (6), 965 (6), 1424 (10), 1841 (15), 1842 (15) | 73, 77, 80, 172                           |
| 258                                 | $A_6 \times 5 : 2 \cdot 2$                           | 7200  | 33264  | 412, 829 (5), 966 (6), 967 (6), 1425 (10), 1843 (15), 1844 (15)           | 74, 78, 81, 172                           |
| 259                                 | $A_5 \times A_5 : 2$                                 | 7200  | 33264  | 416, 831 (5), 841 (5), 962 (6), 963 (6), 1426 (10), 1427 (10), 4919 (120) | 76, 79, 174                               |
| 260                                 | $A_5 \times A_5 : 2$                                 | 7200  | 8316   | 415, 789 (10), 963 (12), 1407 (20), 4925 (120)                            | 76 (4), 164, 165, 168, 169, 173, 176, 177 |
| 261                                 | $A_5 \times A_5 : 2$                                 | 7200  | 33264  | 416, 840 (5), 845 (5), 966 (6), 964 (6), 1428 (10), 1429 (10)             | 77, 81, 174                               |
| 262                                 | $S_5 \times A_5$                                     | 7200  | 16632  | 415, 839 (5), 837 (5), 966 (6), 965 (6), 1430 (10), 1431 (10)             | 77 (2), 78 (2), 170, 171, 173             |
| 263                                 | $S_5 \times A_5$                                     | 7200  | 33264  | 416, 844 (5), 838 (5), 967 (6), 965 (6), 1432 (10), 1433 (10)             | 78, 80, 174                               |
| 264                                 | $A_5 \times A_5 : 2$                                 | 7200  | 16632  | 417, 842 (10), 962 (12), 1434 (20), 4926 (120)                            | 79 (2), 166, 167, 175                     |
| 265                                 | $A_5 \times A_5 : 2$                                 | 7200  | 33264  | 417, 843 (5), 846 (5), 967 (6), 964 (6), 1435 (10), 1436 (10)             | 80, 81, 175                               |
| 266                                 | $A_5 \times A_5 \times 2$                            | 7200  | 8316   | 415, 850 (10), 968 (12), 1437 (20), 4927 (120)                            | 170 (2), 177, 178 (2)                     |
| 267                                 | $A_5 \times A_5 : 2$                                 | 7200  | 8316   | 415, 848 (10), 969 (12), 1438 (20), 4928 (120)                            | 171 (2), 177, 179 (2)                     |
| 268                                 | $A_5 \times A_5 : 2$                                 | 7200  | 16632  | 415, 2519 (25), 3281 (36), 4929 (60), 4930 (60), 5851 (100)               | 176, 178, 179                             |
| 269                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2 \times S_3$ | 6912  | 69300  | 419, 425, 418, 426, 424, 420, 421, 564 (3), 1287 (9), 1943 (16)           | 35, 111                                   |

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|-------------------------------------|---|-------|--------|--|-----------------------------------|
| Nr.                                 | Structure   | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 270                                 | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3 : S_3$ | 6912  | 17325  | 428 (2), 434, 566, 578 (6), 697 (4), 1944 (16)                             | 36, 180, 181, 182                 |
| 271                                 | $2^4 : 3 \times 2 \times 2 : S_3 : S_3$               | 6912  | 69300  | 433, 430, 427, 580 (3), 581 (3), 5040 (64)                                 | 127                               |
| 272                                 | $2^6 : 3 : S_3 : S_3$                                 | 6912  | 34650  | 428, 432, 431, 581 (6), 582 (3), 583 (3), 584 (3), 724 (4), 1945 (16)      | 127 (2), 181                      |
| 273                                 | $2^4 : 3 \times 2 \times 2 : S_3 : S_3$               | 6912  | 5775   | 434 (3), 585 (9), 695 (12)   | 128, 180 (3), 183 (3), 184        |
| 274                                 | $2^4 : 3 \times 2 \times 2 : S_3 \cdot S_3$           | 6912  | 17325  | 434, 586 (3), 725 (4), 1288 (9), 1946 (16)                                 | 180, 185, 186                     |
| 275                                 | $2^4 : 3 \times 2 \times 2 : S_3 : S_3$               | 6912  | 34650  | 431, 428, 435, 587, 588 (3), 589 (3), 726 (4), 1947 (16)                   | 181                               |
| 276                                 | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3 : S_3$ | 6912  | 17325  | 434, 432, 435, 590 (6), 591 (3), 592 (6), 698 (8), 722 (4)                 | 181, 184, 185                     |
| 277                                 | $2^6 : 3 : S_3 : S_3$                                 | 6912  | 17325  | 431 (2), 434, 593 (6), 594 (3), 727 (4), 1948 (16)                         | 181, 183, 186                     |
| 278                                 | $2^6 : 3 : 3 : S_3 \cdot 2$                           | 6912  | 17325  | 434, 595, 728 (4), 1289 (9), 1949 (16)                                     | 182, 183, 185                     |
| 279                                 | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3 : S_3$ | 6912  | 17325  | 435 (2), 434, 596, 597 (6), 699 (8), 723 (4)                               | 182, 184, 186                     |
| 280                                 | $A_6 \times 3 : S_3$                                  | 6480  | 18480  | 437, 630, 634 (3), 1097 (6), 1099 (6), 1520 (10), 1950 (15), 1937 (15)     | 18, 187, 188, 189                 |
| 281                                 | $A_6 \times 3 : S_3$                                  | 6480  | 9240   | 437, 635 (6), 637 (6), 1100 (6), 1101 (6), 1521 (10), 1951 (15), 1952 (15) | 187, 190, 191, 192, 193, 194, 195 |
| 282                                 | $A_6 \times 3 : S_3$                                  | 6480  | 9240   | 437, 641 (6), 664 (6), 1102 (6), 1103 (6), 1522 (10), 1953 (15), 1954 (15) | 188 (2), 192, 196 (2)             |
| 283                                 | $A_6 \times 3 \times S_3$                             | 6480  | 18480  | 437, 639, 642 (3), 1104 (6), 1105 (6), 1523 (10), 1955 (15), 1956 (15)     | 188, 189, 191                     |

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|-------------------------------------|-----------------------------|-------|--------|---|-----------------------------|
| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups   | Minimal Overgroups          |
| 284                                 | $S_6 \times 3^2$            | 6480  | 9240   | 437, 640 (2), 661 (2),<br>1106 (6), 1107 (6),<br>1524 (10), 1957 (15),<br>1958 (15)   | 189 (2), 192, 197 (2)       |
| 285                                 | $A_6 \times 3 : S_3$        | 6480  | 18480  | 437, 660, 663 (3),<br>1108 (6), 1109 (6),<br>1525 (10), 1959 (15),<br>1960 (15)   | 193, 196, 197               |
| 286                                 | $A_6 \times 3 \times S_3$   | 6480  | 18480  | 437, 662, 665 (3),<br>1110 (6), 1111 (6),<br>1526 (10), 1961 (15),<br>1962 (15)   | 195, 196, 197               |
| 287                                 | $S_5 \times 2^3 : S_3$      | 5760  | 83160  | 446, 445, 464, 468,<br>470, 444, 465, 685<br>(3), 791 (4), 991 (5),<br>1139 (6), 1599 (10)                                      | 16, 47, 53, 91, 108,<br>141 |
| 288                                 | $S_5 \times D_8 \times S_3$ | 5760  | 83160  | 453, 502, 514, 452,<br>515, 516, 517, 451,<br>450, 501, 447, 503,<br>448, 504, 449, 685<br>(3), 979 (5), 1143 (6),<br>1646 (10) | 28, 141                     |
| 289                                 | $S_6 \times 2^3$            | 5760  | 13860  | 460 (3), 459 (3), 456<br>(3), 508, 455, 457<br>(3), 513, 1144 (6),<br>1132 (6), 1647 (10),<br>2089 (15), 2090 (15)              | 38 (3), 150, 199 (3)        |
| 290                                 | $S_6 \times D_8$            | 5760  | 41580  | 505, 507, 455, 477,<br>461, 458, 483, 1133<br>(6), 1145 (6), 1648<br>(10), 2091 (15), 2092<br>(15)                              | 39, 138, 144, 199           |
| 291                                 | $S_6 \times D_8$            | 5760  | 41580  | 484, 459, 480, 462,<br>518, 458, 510, 1134<br>(6), 1146 (6), 1649<br>(10), 2093 (15), 2094<br>(15)                              | 40, 142, 199                |
| 292                                 | $S_6 \times 2^3$            | 5760  | 13860  | 460 (3), 485, 458, 519<br>(3), 463 (3), 511, 506<br>(3), 1135 (6), 1147<br>(6), 1650 (10), 2095<br>(15), 2096 (15)              | 41, 143, 199 (3)            |

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|-------------------------------------|--|-------|--------|--|--------------------|
| Nr.                                 | Structure                                  | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 293                                 | $S_6 \times D_8$                           | 5760  | 41580  | 509, 486, 462, 481, 463, 455, 512, 1148 (6), 1136 (6), 1651 (10), 2097 (15), 2098 (15) | 42, 151, 199       |
| 294                                 | $S_6 \times (2 \times 4)$                  | 5760  | 41580  | 520, 487, 462, 461, 478, 521, 460, 1149 (6), 1137 (6), 1652 (10), 2099 (15), 2100 (15) | 43, 199            |
| 295                                 | $S_6 \times D_8$                           | 5760  | 41580  | 479, 488, 459, 461, 522, 523, 463, 1138 (6), 1150 (6), 1653 (10), 2101 (15), 2102 (15) | 44, 199            |
| 296                                 | $S_5 \times 2^3 : S_3$                     | 5760  | 83160  | 469, 500, 495, 467, 494, 497, 466, 685 (3), 819 (4), 992 (5), 1140 (6), 1618 (10)      | 53, 92             |
| 297                                 | $A_5 : 2 \times 2 \times 2 \times 2 : S_3$ | 5760  | 83160  | 471, 499, 496, 474, 498, 493, 476, 686 (3), 821 (4), 1004 (5), 1140 (6), 1625 (10)     | 54, 92             |
| 298                                 | $A_5 : 2 \times 2 \times 2 \times 2 : S_3$ | 5760  | 83160  | 472, 490, 492, 473, 491, 489, 475, 686 (3), 820 (4), 1005 (5), 1139 (6), 1624 (10)     | 54, 91             |
| 299                                 | $S_6 \times D_8$                           | 5760  | 41580  | 479, 480, 456, 481, 506, 478, 477, 1141 (6), 1142 (6), 1654 (10), 2103 (15), 2104 (15) | 71 (2), 199        |
| 300                                 | $S_6 \times D_8$                           | 5760  | 41580  | 484, 456, 488, 487, 486, 485, 483, 1151 (6), 1152 (6), 1655 (10), 2105 (15), 2106 (15) | 88 (2), 139, 199   |
| 301                                 | $A_6 \times 2 \times 2 : 2 \times 2$       | 5760  | 41580  | 511, 521, 457, 523, 481, 483, 510, 1153 (6), 1154 (6), 1656 (10), 2107 (15), 2108 (15) | 140, 199           |

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|-------------------------------------|---|-------|--------|--|--------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 302                                 | $D_8 \times (A_6 \times 2)$             | 5760  | 41580  | 505, 484, 520, 479, 511, 513, 509, 1155 (6), 1156 (6), 1657 (10), 2109 (15), 2110 (15) | 145, 148, 199      |
| 303                                 | $S_6 \times D_8$                        | 5760  | 41580  | 505, 508, 512, 478, 522, 485, 510, 1157 (6), 1158 (6), 1658 (10), 2111 (15), 2112 (15) | 146, 147, 199      |
| 304                                 | $S_6 \times D_8$                        | 5760  | 41580  | 509, 518, 487, 506, 523, 507, 508, 1159 (6), 1160 (6), 1659 (10), 2113 (15), 2114 (15) | 149, 199           |
| 305                                 | $A_6 \times 2 \times 2 \times 2 : 2$    | 5760  | 41580  | 513, 488, 480, 521, 519, 507, 512, 1161 (6), 1162 (6), 1660 (10), 2115 (15), 2116 (15) | 152, 199           |
| 306                                 | $A_6 \times 2 \cdot 2 : 2 \times 2$     | 5760  | 41580  | 520, 457, 519, 477, 522, 486, 518, 1163 (6), 1164 (6), 1661 (10), 2117 (15), 2118 (15) | 199                |
| 307                                 | $2^3 : L_2(7) \times 2 \times 2$        | 5376  | 14850  | 526 (3), 1290 (7), 1291 (7), 1505 (8), 1502 (8), 1506 (8)                              | 59, 153, 201 (3)   |
| 308                                 | $2^3 : L_2(7) \times 2 \times 2$        | 5376  | 44550  | 525 (2), 526, 1292 (7), 1293 (7), 1503 (8), 1507 (8), 1508 (8)                         | 60, 201            |
| 309                                 | $2^3 : L_2(7) \times 2 \cdot 2$         | 5376  | 44550  | 526, 1294 (7), 1295 (7), 1509 (8), 1504 (8), 1510 (8)                                  | 63, 201            |
| 310                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2 : 2 : 2$ | 5184  | 46200  | 536, 537, 529 (2), 531, 538 (2), 6238 (81)   | 19, 154, 202       |
| 311                                 | $3 : S_3 \cdot S_3 : S_3 : 2 : 2 : 2$   | 5184  | 46200  | 539, 540, 531, 6239 (81)   | 21, 202            |
| 312                                 | $3 : S_3 : S_3 : S_3 \cdot 2 : 2 : 2$   | 5184  | 46200  | 541, 534 (2), 530 (2), 532 (2), 535 (2), 533 (2), 542, 531, 543 (2), 1654 (18)         | 71 (2), 202        |

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|-------------------------------------|---|-------|--------|--|---|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups                                      |
| 313                                 | $2^6 : 3 : 3 : 3 : 3$                   | 5184  | 23100  | 729 (2), 730, 731, 5796 (64)   | 128, 203, 204, 205                                      |
| 314                                 | $3^2 : S_3 : S_3 : 2 : 2 \cdot 2 : 2$   | 5184  | 15400  | 541 (3), 539 (3), 536, 6240 (81)   | 155, 202 (3)  |
| 315                                 | $3^2 : S_3 : S_3 : 2 : 2 \cdot 2 : 2$   | 5184  | 46200  | 536, 540, 544 (2), 542, 545 (2), 6241 (81)                                 | 156, 202  |
| 316                                 | $3 : S_3 \cdot S_3 : S_3 : 2 : 2 : 2$   | 5184  | 46200  | 537, 540, 541, 6242 (81)   | 202   |
| 317                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2 : 2 : 2$ | 5184  | 46200  | 539, 537, 542, 6243 (81)   | 202   |
| 318                                 | $S_5 \times (7 : 3 : 2)$                | 5040  | 95040  | 547, 548, 546, 740, 1114 (5), 1263 (6), 1439 (7), 1815 (10)                | 17  |
| 319                                 | $S_7$                                   | 5040  | 7920   | 549, 1415 (7), 3024 (21), 3938 (35), 7817 (120)                            | 37, 85 (3), 157 (3), 158, 206 (3), 207, 208 (3)         |
| 320                                 | $S_7$                                   | 5040  | 792    | 549, 1440 (7), 3025 (21), 3939 (35), 7818 (120)                            | 86 (5), 121 (6), 161 (10), 207 (10), 212 (15)           |
| 321                                 | $A_7 \times 2$                          | 5040  | 7920   | 549, 1441 (7), 2427 (30), 3026 (21), 3940 (35)                             | 87 (3), 160 (3), 163, 207, 208 (3), 211 (3)             |
| 322                                 | $A_7 \times 2$                          | 5040  | 11880  | 549, 1442 (7), 2428 (30), 3027 (21), 3941 (35)                             | 89, 119 (2), 159 (2), 206, 210, 211, 212, 213, 214, 215 |
| 323                                 | $S_7$                                   | 5040  | 11880  | 549, 1443 (7), 3028 (21), 3942 (35), 7819 (120)                            | 90, 120 (2), 162 (2), 208 (2), 212, 215 (2)             |
| 324                                 | $S_5 \times (D_{10} \cdot 2 \times 2)$  | 4800  | 99792  | 552, 551, 557, 553, 554, 550, 555, 1139 (5), 1137 (5), 1274 (6), 1845 (10) | 51, 108   |
| 325                                 | $2^6 : S_3 : S_3 : 2$                   | 4608  | 103950 | 576, 558, 575, 598, 561, 577, 599, 1783 (9), 2502 (16)                     | 14, 75  |
| 326                                 | $2^5 \cdot S_3 : S_3 : 2 : 2$           | 4608  | 51975  | 600, 559, 574, 601, 560, 602, 603, 1783 (9), 2503 (16)                     | 14 (2), 217   |
| 327                                 | $2^{1+4} \times 2^2 : S_3 : S_3$        | 4608  | 51975  | 604, 579, 605, 755 (3), 743 (3), 974 (4), 990 (4)                          | 22, 216   |

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|-------------------------------------|--|-------|--------|--|--------------------|
| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 328                                 | $2^{1+4} : (A_4 \times 2) : S_3$             | 4608  | 51975  | 579, 606, 607, 744, 756 (3), 997 (4), 975 (4)  | 24, 216            |
| 329                                 | $2^6 : S_3 : S_3 : 2$                        | 4608  | 51975  | 574, 608, 572 (2), 609 (2), 610, 563, 564 (2), 567, 611, 565 (2), 568, 1784 (9), 2520 (16) | 38, 217            |
| 330                                 | $2^5 : S_3 : S_3 : 2 : 2$                    | 4608  | 51975  | 563, 566, 585, 612, 586, 569, 559, 1785 (9), 2521 (16)                                     | 39, 180, 217       |
| 331                                 | $D_8 \times 2^4 : S_3 : S_3$                 | 4608  | 51975  | 584 (2), 566, 589 (2), 601, 570, 567, 613, 591, 614 (2), 615 (2), 594, 761 (6), 2522 (16)  | 40, 181, 217       |
| 332                                 | $2^6 : S_3 : S_3 : 2$                        | 4608  | 17325  | 568 (3), 616 (3), 571 (3), 603 (3), 566, 595, 596, 1786 (9), 2523 (16)                     | 41, 182, 217 (3)   |
| 333                                 | $2^4 : 3 \times 2 \cdot 2 : S_3 \cdot 2 : 2$ | 4608  | 51975  | 571, 560, 563, 617, 618, 619, 570, 1787 (9), 2524 (16)                                     | 42, 217            |
| 334                                 | $2^4 \times 4 : S_3 : S_3 : 2$               | 4608  | 51975  | 600, 620, 568, 569, 621, 570, 622, 1788 (9), 2525 (16)                                     | 43, 217            |
| 335                                 | $2^5 \cdot S_3 : S_3 : 2 : 2$                | 4608  | 51975  | 569, 602, 567, 623, 624, 625, 571, 1789 (9), 2526 (16)                                     | 44, 217            |
| 336                                 | $2^{1+4} \times 2^2 : S_3 : S_3$             | 4608  | 51975  | 626, 579, 627, 760 (3), 763 (3), 1014 (4), 995 (4), 1016 (8)                               | 93 (2), 216        |
| 337                                 | $D_8 \times 2^3 : 2 : S_3 : S_3$             | 4608  | 103950 | 583, 590, 588, 582, 593, 587, 578, 763 (3), 761 (3), 1015 (4), 1016 (4)                    | 93, 181            |
| 338                                 | $2^5 \cdot S_3 : S_3 : 2 : 2$                | 4608  | 51975  | 585, 620, 608, 594, 595, 623, 560, 1790 (9), 2527 (16)                                     | 183, 217           |
| 339                                 | $D_8 \times 2^4 : S_3 : S_3$                 | 4608  | 51975  | 597 (2), 628 (2), 629 (2), 618, 596, 574, 592 (2), 591, 585, 624, 622, 764 (6), 979 (8)    | 184, 217           |

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|-------------------------------------|--|-------|--------|---|-----------------------------------|
| Nr.                                 | Structure  | Order | Length | Maximal Subgroups   | Minimal Overgroups                |
| 340                                 | $D_8 \times (A_4 \times 2 \times 2 : S_3 \cdot 2)$     | 4608  | 51975  | 591, 621, 611, 586, 595, 619, 602, 1791 (9), 2528 (16)                      | 185, 217                          |
| 341                                 | $2^5 : S_3 : S_3 : 2 : 2$                              | 4608  | 51975  | 596, 617, 610, 594, 586, 625, 600, 1792 (9), 2529 (16)                      | 186, 217                          |
| 342                                 | $2^{1+4} \times 2^2 : S_3 : S_3$                       | 4608  | 51975  | 604, 607, 627, 765 (3), 766 (3), 1017 (8), 1018 (4), 1019 (4)               | 216                               |
| 343                                 | $2^{1+4} \times 2^2 : S_3 : S_3$                       | 4608  | 51975  | 626, 605, 607, 767 (3), 768 (3), 1008 (4), 1020 (4)                         | 216                               |
| 344                                 | $2^{1+4} : (A_4 \times 2) : S_3$                       | 4608  | 51975  | 604, 606, 626, 769 (6), 770 (3), 771 (3), 1021 (4), 1022 (4)                | 216                               |
| 345                                 | $2^{1+4} : (2^2 \times 6) : S_3$                       | 4608  | 51975  | 605, 606, 627, 772, 773 (3), 1023 (4), 1006 (4)                             | 216                               |
| 346                                 | $2^5 \cdot S_3 : S_3 : 2 : 2$                          | 4608  | 51975  | 622, 612, 610, 613, 619, 623, 603, 1793 (9), 2530 (16)                      | 217                               |
| 347                                 | $A_4 \times 2 \times 2 \times 2 : S_3 \cdot 2 : 2 : 2$ | 4608  | 51975  | 621, 559, 608, 613, 618, 625, 616, 1794 (9), 2531 (16)                      | 217                               |
| 348                                 | $2^4 : 3 \times 2 : S_3 \cdot 2 : 2 : 2$               | 4608  | 51975  | 620, 601, 611, 612, 624, 617, 616, 1795 (9), 2532 (16)                      | 217                               |
| 349                                 | $L_2(8) : 3 \times 3$                                  | 4536  | 52800  | 782, 781, 783 (2), 1818 (9), 3877 (28), 4913 (36)                           | 18, 218                           |
| 350                                 | $A_5 \times 3 \times 2 \times 2 : S_3$                 | 4320  | 27720  | 666, 789, 857 (3), 1097 (4), 1216 (5), 1444 (6), 1937 (10)                  | 18, 220, 221, 222                 |
| 351                                 | $S_6 \times S_3$                                       | 4320  | 55440  | 634, 635, 630, 802 (3), 1427 (6), 1407 (6), 1963 (10), 2533 (15), 2506 (15) | 25, 48, 76, 95, 138, 187, 223     |
| 352                                 | $S_6 \times S_3$                                       | 4320  | 18480  | 640, 639, 630, 803 (3), 1408 (6), 1445 (6), 1964 (10), 2507 (15), 2534 (15) | 26, 96 (3), 139 (3), 189, 223 (3) |

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|-------------------------------------|-----------------------------------|-------|--------|---|---------------------------|
| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups   | Minimal Overgroups        |
| 353                                 | $A_6 \times 2 : S_3$              | 4320  | 55440  | 641, 642, 630, 804 (3), 1446 (6), 1409 (6), 1965 (10), 2535 (15), 2508 (15) | 27, 97, 140, 188, 223     |
| 354                                 | $S_5 \times S_3 \times S_3$       | 4320  | 55440  | 633 (2), 632 (2), 647, 649, 631, 791 (6), 1168 (5), 1447 (6), 1966 (10)     | 35 (2), 112, 141 (2), 231 |
| 355                                 | $A_5 \times 2 \times 2 : 3 : S_3$ | 4320  | 27720  | 666, 793, 811 (3), 1097 (4), 1174 (5), 1448 (6), 1967 (10)                  | 36, 220, 224, 225         |
| 356                                 | $A_5 \times 2 \times 2 : 3 : S_3$ | 4320  | 27720  | 666, 858 (3), 824 (6), 812 (3), 1101 (4), 1174 (5), 1412 (6), 1938 (10)     | 45, 220, 226, 227         |
| 357                                 | $S_6 \times S_3$                  | 4320  | 55440  | 641, 639, 634, 804 (3), 1449 (6), 1418 (6), 1968 (10), 2536 (15), 2537 (15) | 49, 98, 142, 188, 223     |
| 358                                 | $S_6 \times 6$                    | 4320  | 55440  | 640, 642, 634, 803, 1450 (6), 1419 (6), 1969 (10), 2538 (15), 2539 (15)     | 50, 99, 143, 189, 223     |
| 359                                 | $A_5 : S_3 : S_3 : 2$             | 4320  | 55440  | 636, 631, 651, 1200 (5), 1423 (6), 1846 (9), 1963 (10)                      | 76, 113, 231              |
| 360                                 | $A_5 \times S_3 \times S_3 : 2$   | 4320  | 55440  | 636, 647, 654, 1207 (5), 1424 (6), 1847 (9), 1970 (10)                      | 77, 115, 231              |
| 361                                 | $S_6 \times S_3$                  | 4320  | 55440  | 641, 635, 640, 827 (3), 1429 (6), 1431 (6), 1970 (10), 2540 (15), 2541 (15) | 77, 100, 147, 192, 223    |
| 362                                 | $A_6 \times 2 \times S_3$         | 4320  | 55440  | 639, 635, 642, 826 (3), 1430 (6), 1432 (6), 1971 (10), 2542 (15), 2543 (15) | 78, 101, 145, 191, 223    |
| 363                                 | $S_5 \times (3 : S_3 \cdot 2)$    | 4320  | 55440  | 636, 653, 649, 1206 (5), 1425 (6), 1848 (9), 1971 (10)                      | 78, 114, 231              |
| 364                                 | $S_6 \times S_3$                  | 4320  | 55440  | 663, 637, 660, 859 (3), 1434 (6), 1426 (6), 1972 (10), 2544 (15), 2545 (15) | 79, 144, 193, 232         |

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|-------------------------------------|----------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 365                                 | $A_5 : S_3 : S_3 : 2$            | 4320  | 55440  | 638, 643, 650, 1208<br>(5), 1423 (6), 1849<br>(9), 1972 (10)                         | 79, 113, 233  |
| 366                                 | $A_5 \times 3 : S_3 \cdot 2 : 2$ | 4320  | 55440  | 655, 646, 638, 1209<br>(5), 1424 (6), 1850<br>(9), 1973 (10)                         | 80, 115, 233  |
| 367                                 | $S_6 \times S_3$                 | 4320  | 55440  | 661, 637, 664, 827<br>(3), 1436 (6), 1433<br>(6), 1973 (10), 2546<br>(15), 2547 (15) | 80, 146, 192, 232   |
| 368                                 | $A_6 \times 2 \times S_3$        | 4320  | 55440  | 662, 665, 637, 860<br>(3), 1428 (6), 1435<br>(6), 1974 (10), 2548<br>(15), 2549 (15) | 81, 148, 195, 232   |
| 369                                 | $A_5 \times 3 : S_3 \cdot 2 : 2$ | 4320  | 55440  | 638, 648, 652, 1210<br>(5), 1425 (6), 1851<br>(9), 1974 (10)                         | 81, 114, 233  |
| 370                                 | $A_6 \times 2 \times 2 : 3$      | 4320  | 13860  | 825, 1098 (4), 1451<br>(6), 1452 (6), 1975<br>(10), 2550 (15), 2551<br>(15)          | 102 (2), 125 (2), 219,<br>228, 229, 234, 235,<br>239, 240 |
| 371                                 | $A_5 : 2 \times S_3 \times S_3$  | 4320  | 55440  | 644 (2), 645 (2), 646,<br>643, 648, 820 (6),<br>1217 (5), 1447 (6),<br>1976 (10)     | 112, 233  |
| 372                                 | $A_5 \times 3 : S_3 \cdot 2 : 2$ | 4320  | 55440  | 647, 653, 651, 1218<br>(5), 1453 (6), 1852<br>(9), 1977 (10)                         | 116, 231  |
| 373                                 | $A_5 : S_3 : S_3 : 2$            | 4320  | 55440  | 646, 650, 652, 1219<br>(5), 1453 (6), 1853<br>(9), 1978 (10)                         | 116, 233  |
| 374                                 | $A_5 \times 3 : S_3 \cdot 2 : 2$ | 4320  | 55440  | 654, 653, 631, 1220<br>(5), 1454 (6), 1854<br>(9), 1979 (10)                         | 117, 231  |
| 375                                 | $A_5 : S_3 : S_3 : 2$            | 4320  | 55440  | 655, 652, 643, 1221<br>(5), 1454 (6), 1855<br>(9), 1980 (10)                         | 117, 233  |
| 376                                 | $S_5 \times S_3 \times S_3$      | 4320  | 55440  | 658 (2), 651, 649,<br>654, 657 (2), 819 (6),<br>1222 (5), 1455 (6),<br>1981 (10)     | 118, 231  |

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|-------------------------------------|--|-------|--------|---|--|
| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups   | Minimal Overgroups                         |
| 377                                 | $A_5 : 2 \times S_3 \times S_3$        | 4320  | 55440  | 656 (2), 650, 648, 655, 659 (2), 821 (6), 1223 (5), 1455 (6), 1982 (10)     | 118, 233                                   |
| 378                                 | $A_6 \times 2 \times 2 : 3$            | 4320  | 13860  | 861, 1112 (4), 1456 (6), 1457 (6), 1983 (10), 2552 (15), 2553 (15)          | 126 (2), 230, 236, 237, 238, 241, 242, 243 |
| 379                                 | $S_6 \times S_3$                       | 4320  | 18480  | 661, 662, 660, 862 (3), 1458 (6), 1459 (6), 1984 (10), 2554 (15), 2555 (15) | 149 (3), 197, 232 (3)                      |
| 380                                 | $S_6 \times 6$                         | 4320  | 55440  | 663, 665, 661, 862, 1460 (6), 1439 (6), 1985 (10), 2556 (15), 2557 (15)     | 150, 197, 232                              |
| 381                                 | $S_6 \times S_3$                       | 4320  | 55440  | 664, 662, 663, 863 (3), 1461 (6), 1462 (6), 1986 (10), 2558 (15), 2559 (15) | 151, 196, 232                              |
| 382                                 | $A_6 \times 2 : S_3$                   | 4320  | 55440  | 664, 665, 660, 863 (3), 1463 (6), 1464 (6), 1987 (10), 2560 (15), 2561 (15) | 152, 196, 232                              |
| 383                                 | $A_5 \times 2 \times 2 : 3 : S_3$      | 4320  | 27720  | 666, 864 (3), 848 (3), 865 (6), 1103 (4), 1224 (5), 1465 (6), 1988 (10)     | 221, 224, 227                              |
| 384                                 | $A_5 \times 2 \times 2 : 3 \times S_3$ | 4320  | 27720  | 666, 866, 850 (3), 1104 (4), 1225 (5), 1466 (6), 1989 (10)                  | 221, 225, 226                              |
| 385                                 | $S_5 \times (A_4 \times 3)$            | 4320  | 27720  | 666, 839, 867, 868 (2), 1106 (4), 1226 (5), 1467 (6), 1990 (10)             | 222, 225, 227                              |
| 386                                 | $A_5 \times 3 \times 2 \times 2 : S_3$ | 4320  | 27720  | 666, 837, 869 (3), 1104 (4), 1226 (5), 1468 (6), 1991 (10)                  | 222, 224, 226                              |
| 387                                 | $L_2(7) \times 2 \times 2 : S_3$       | 4032  | 59400  | 670, 896 (3), 1115 (4), 1814 (8), 3316 (21), 3943 (28)                      | 22, 244                                    |

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| Nr.                                 | Structure                                  | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 388                                 | $L_2(7) \times 2 \times 2 : 3 : 2$         | 4032  | 59400  | 670, 897, 1116 (4),<br>1816 (8), 3317 (21),<br>3944 (28)            | 24, 244            |
| 389                                 | $2^3 : L_2(7) \times 3$                    | 4032  | 59400  | 901, 1662 (7), 1663<br>(7), 1817 (8), 1819<br>(8), 1818 (8)         | 67, 153, 245       |
| 390                                 | $L_2(7) \times 2 \times 2 : S_3$           | 4032  | 118800 | 669, 902 (3), 1118<br>(4), 1664 (7), 1627<br>(7), 1820 (8)          | 68, 93, 130        |
| 391                                 | $L_2(7) \times 2 \times 2 : S_3$           | 4032  | 59400  | 670, 903 (3), 1121<br>(4), 1665 (14), 1820<br>(8)                   | 93 (2), 244        |
| 392                                 | $2^3 : 7 : 3 \times 2 \times 2 : S_3$      | 4032  | 118800 | 671, 905, 904 (3),<br>1120 (4), 1666 (7),<br>1820 (8)               | 93                 |
| 393                                 | $3 : S_3 : S_3 : S_3 : S_3$                | 3888  | 61600  | 672, 677, 676, 914<br>(3), 910 (3), 1123 (4),<br>3945 (27)          | 11, 154, 248       |
| 394                                 | $3 : S_3 : S_3 : S_3 \times S_3$           | 3888  | 61600  | 678, 679, 672, 912<br>(3), 915 (3), 1124 (4),<br>3946 (27)          | 12, 248            |
| 395                                 | $S_3 \times 3 \times S_3 \times S_3 : S_3$ | 3888  | 61600  | 680, 681, 672, 911,<br>916 (3), 1125 (4),<br>3947 (27)              | 13, 248            |
| 396                                 | $3^3 : S_3 \cdot 2 \cdot 2 : S_3$          | 3888  | 123200 | 674, 925 (3), 1123<br>(4), 1935 (9)                                 | 154                |
| 397                                 | $3 : S_3 : S_3 : 3 : 2 \times S_3$         | 3888  | 61600  | 679, 680, 676, 926,<br>927 (3), 1126 (4),<br>3948 (27)              | 155, 248           |
| 398                                 | $3 : S_3 : S_3 : S_3 : S_3$                | 3888  | 123200 | 682, 675, 683, 928<br>(3), 929 (3), 1127 (4),<br>3949 (27)          | 156                |
| 399                                 | $3 : S_3 : S_3 : S_3 : S_3$                | 3888  | 61600  | 678, 676, 681, 930<br>(3), 931 (3), 1127 (4),<br>3950 (27)          | 156, 248           |
| 400                                 | $3 : S_3 : S_3 : S_3 \times S_3$           | 3888  | 61600  | 677, 679, 681, 932<br>(3), 933 (3), 1128 (4),<br>3951 (27)          | 248                |
| 401                                 | $3 : S_3 : S_3 : 3 : 2 : S_3$              | 3888  | 61600  | 677, 680, 678, 913<br>(6), 934 (3), 935 (3),<br>1129 (4), 3952 (27) | 248                |

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|-------------------------------------|-------------------------------|-------|--------|---|--|
| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 402                                 | $2^4 : A_5 \times 2 : 2$      | 3840  | 62370  | 689, 687, 684, 1275<br>(5), 1581 (6), 2092<br>(10), 3017 (16)               | 6, 122, 250  |
| 403                                 | $2^4 : A_5 \times 2 : 2$      | 3840  | 62370  | 684, 690, 691, 1276<br>(5), 1582 (6), 2106<br>(10), 3018 (16)               | 7, 250   |
| 404                                 | $2^4 : A_5 \times 2 : 2$      | 3840  | 62370  | 692, 693, 684, 1277<br>(5), 1583 (6), 2108<br>(10), 3019 (16)               | 8, 250   |
| 405                                 | $2^5 : A_5 : 2$               | 3840  | 62370  | 688, 1296 (5), 1581<br>(6), 2119 (10), 3016<br>(32)                         | 122, 251   |
| 406                                 | $2^5 : A_5 : 2$               | 3840  | 62370  | 688, 1297 (5), 1584<br>(6), 2120 (10)                                       | 123, 251   |
| 407                                 | $2^4 : A_5 \times 2 \times 2$ | 3840  | 62370  | 693, 687, 690, 1298<br>(5), 1584 (6), 2121<br>(10), 3020 (16)               | 123, 250   |
| 408                                 | $2^5 : A_5 \cdot 2$           | 3840  | 62370  | 688, 1299 (5), 1585<br>(6), 2122 (10), 3029<br>(32)                         | 124, 251   |
| 409                                 | $2^4 : A_5 \times 2 : 2$      | 3840  | 62370  | 691, 687, 692, 1300<br>(5), 1585 (6), 2123<br>(10), 3023 (16)               | 124, 250   |
| 410                                 | $2^4 : A_5 \times 2 : 2$      | 3840  | 62370  | 689, 693, 691, 1301<br>(5), 1586 (6), 2124<br>(10), 3021 (16)               | 250  |
| 411                                 | $2^4 : A_5 \times 2 : 2$      | 3840  | 62370  | 689, 690, 692, 1302<br>(5), 1587 (6), 2125<br>(10), 3022 (16)               | 250  |
| 412                                 | $A_6 \times 5 : 2$            | 3600  | 33264  | 694, 1442 (5), 1589<br>(6), 1590 (6), 2370<br>(10), 3030 (15), 3031<br>(15) | 119, 125, 126, 256,<br>257, 258                                  |
| 413                                 | $A_6 \times 5 : 2$            | 3600  | 33264  | 694, 1443 (5), 1591<br>(6), 1592 (6), 2371<br>(10), 3032 (15), 3033<br>(15) | 120, 257   |
| 414                                 | $S_6 \times 5$                | 3600  | 33264  | 694, 1440, 1593 (6),<br>1594 (6), 2372 (10),<br>3034 (15), 3035 (15)        | 121, 257   |
| 415                                 | $A_5 \times A_5$              | 3600  | 8316   | 1452 (10), 1590 (12),<br>2373 (20), 7109 (120)                              | 125 (4), 253 (2), 255<br>(2), 260, 262 (2),<br>266, 267, 268 (2) |

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|-------------------------------------|--|-------|--------|--|-----------------------------------|
| Nr.                                 | Structure  | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 416                                 | $A_5 \times A_5$   | 3600  | 33264  | 1457 (5), 1451 (5),<br>1590 (6), 1589 (6),<br>2374 (10), 2375 (10),<br>7110 (120)                                      | 125, 126, 259, 261,<br>263        |
| 417                                 | $A_5 \times A_5$   | 3600  | 16632  | 1456 (10), 1589 (12),<br>2376 (20), 7111 (120)   | 126 (2), 254 (2), 264,<br>265 (2) |
| 418                                 | $2^4 : S_3 \times S_3 : S_3$                               | 3456  | 69300  | 698 (2), 723, 722, 699<br>(2), 695, 979 (6), 991<br>(3), 1168 (8)  | 47 (2), 141 (2), 184,<br>269      |
| 419                                 | $2^4 : S_3 : S_3 : S_3$                                    | 3456  | 69300  | 695, 697, 725, 976<br>(3), 2126 (9), 3146<br>(16)  | 48, 180, 269                      |
| 420                                 | $2^4 : S_3 : S_3 \times S_3$                               | 3456  | 69300  | 726 (2), 697, 724 (2),<br>727, 722, 978 (3),<br>1015 (6), 3147 (16)  | 49, 181, 269                      |
| 421                                 | $2^3 \times 6 : S_3 : S_3 : 2$                             | 3456  | 69300  | 723, 697, 728, 977,<br>2127 (9), 3148 (16)   | 50, 182, 269                      |
| 422                                 | $S_3 \times S_3 : 2 \times 2 \times 2 \times$<br>$2 : S_3$ | 3456  | 138600 | 703, 701, 711, 709,<br>721, 732, 719, 707,<br>733, 734, 735, 704,<br>720, 718, 713, 1012<br>(3), 1205 (4), 2104<br>(9) | 71, 92                            |
| 423                                 | $S_3 \times S_3 : 2 \times 2 \times 2 \times$<br>$2 : S_3$ | 3456  | 138600 | 716, 736, 710, 708,<br>715, 696, 717, 714,<br>712, 700, 737, 705,<br>702, 706, 738, 1012<br>(3), 1201 (4), 2103<br>(9) | 71, 91                            |
| 424                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 : S_3$                | 3456  | 69300  | 695, 727, 728, 1024<br>(3), 2128 (9), 3149<br>(16)   | 183, 269                          |
| 425                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 \times S_3$           | 3456  | 69300  | 722, 728, 725, 1025<br>(3), 2129 (9), 3150<br>(16)   | 185, 269                          |
| 426                                 | $2^4 : S_3 : S_3 : S_3$                                    | 3456  | 69300  | 723, 727, 725, 983<br>(3), 2130 (9), 3151<br>(16)  | 186, 269                          |
| 427                                 | $2^4 : 3 \times 2 \times 2 : 3 : S_3$                      | 3456  | 23100  | 730, 1026 (9), 1027<br>(3), 7179 (64)  | 203, 271 (3)                      |
| 428                                 | $A_4 \times 2 \times 2 \times 2 \times 2 :$<br>$3 : S_3$   | 3456  | 34650  | 731, 1027 (2), 1028,<br>1029, 1030 (3), 1227<br>(4), 3152 (16)   | 203 (2), 270, 272, 275            |

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|-------------------------------------|---|-------|--------|---|---|
| Nr.                                 | Structure   | Order | Length | Maximal Subgroups   | Minimal Overgroups                                      |
| 429                                 | $2^4 : 3 \times 2 \times 2 : 3 \cdot S_3$           | 3456  | 138600 | 729, 1031, 1032 (3),<br>7180 (64)   | 204   |
| 430                                 | $2^4 : 3 \times 2 \times 2 : 3 : S_3$               | 3456  | 69300  | 730, 1033, 1032 (3),<br>7181 (64)   | 204, 271  |
| 431                                 | $2^4 : 3 \times 2 \times 2 : 3 : S_3$               | 3456  | 34650  | 731, 1034, 1035 (3),<br>1032 (6), 1036 (3),<br>1228 (4), 3153 (16)  | 204 (2), 272, 275, 277                                  |
| 432                                 | $2^4 : 3 : 3 \times 2 \times 2 : S_3$               | 3456  | 5775   | 731, 1037 (18), 1038<br>(12), 1039 (9), 1224<br>(12)  | 205 (4), 272 (6), 276<br>(3)                            |
| 433                                 | $2^4 : 3 \times 2 \times 2 : 3 : S_3$               | 3456  | 69300  | 730, 1038, 1040 (3),<br>7182 (64)   | 205, 271  |
| 434                                 | $2^6 : 3 : 3 : S_3$                                 | 3456  | 17325  | 731, 1041, 1042 (6),<br>1043 (6), 1174 (8),<br>1216 (4)   | 270, 273, 274, 276,<br>277, 278, 279                    |
| 435                                 | $A_4 \times 2 \times 2 : 3 \times 2 \times 2 : S_3$ | 3456  | 17325  | 731, 1044 (2), 1045<br>(2), 1046 (3), 1225<br>(4), 1226 (8)   | 275 (2), 276, 279 (2)                                   |
| 436                                 | $L_2(7) \times 5 : 2 \cdot 2$                       | 3360  | 142560 | 739, 1504 (5), 1844<br>(7), 1856 (7), 2063<br>(8)   | 74, 130   |
| 437                                 | $A_6 \times 3 \times 3$                             | 3240  | 9240   | 1112 (2), 1098 (2),<br>1781 (6), 1782 (6),<br>2438 (10), 3154 (15),<br>3155 (15)                          | 280 (2), 281, 282, 283<br>(2), 284, 285 (2), 286<br>(2) |
| 438                                 | $2^{1+4} : (D_8 \times 2) : S_3$                    | 3072  | 155925 | 746, 766, 744, 743,<br>773, 754, 742, 760,<br>771, 774, 751, 745,<br>767, 747, 775, 1113<br>(3), 1282 (4) | 28, 75, 216   |
| 439                                 | $D_8 \times (D_8 \times D_8) : S_3$                 | 3072  | 155925 | 753, 750, 748, 776,<br>762, 749, 752, 1113<br>(3), 1303 (4), 1286<br>(4), 1304 (4)                        | 55, 75  |
| 440                                 | $2^{1+4} : 2^4 : S_3$                               | 3072  | 155925 | 756, 755, 759, 777,<br>772, 763, 764, 768,<br>778, 757, 779, 765,<br>758, 780, 770, 1113<br>(3), 1287 (4) | 111, 216  |

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|-------------------------------------|--|-------|--------|---|---------------------------------------|
| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups   | Minimal Overgroups                    |
| 441                                 | $L_2(8) : 3 \times 2$                  | 3024  | 158400 | 781, 1122, 2429 (9),<br>5041 (28), 5779 (36)  | 27, 218                               |
| 442                                 | $L_2(8) \times S_3$                    | 3024  | 52800  | 782, 1122 (3), 2430<br>(9), 5042 (28), 5783<br>(36)   | 218                                   |
| 443                                 | $A_6 : 2 \times 2 : 2$                 | 2880  | 166320 | 870, 871, 785, 786,<br>872, 873, 784, 2562<br>(10), 5803 (36), 6244<br>(45)   | 5                                     |
| 444                                 | $S_5 \times 2^2 : S_3$                 | 2880  | 83160  | 812, 811, 789, 1133<br>(3), 1407 (4), 1617<br>(5), 1839 (6), 2506<br>(10)   | 25, 65, 76, 138, 169,<br>220, 287     |
| 445                                 | $S_5 \times 2^2 : S_3$                 | 2880  | 27720  | 837, 839, 789, 1151<br>(3), 1408 (4), 1667<br>(5), 1857 (6), 2507<br>(10)   | 26, 139 (3), 173 (3),<br>222, 287 (3) |
| 446                                 | $A_5 \times 2 \times 2 \times 2 : S_3$ | 2880  | 83160  | 850, 789, 848, 1153<br>(3), 1409 (4), 1668<br>(5), 1858 (6), 2508<br>(10)   | 27, 140, 177, 221, 287                |
| 447                                 | $S_5 \times 2^2 \times S_3$            | 2880  | 83160  | 792 (2), 808, 807,<br>795, 809 (2), 810 (2),<br>817, 790, 791 (2),<br>816, 794, 1132 (3),<br>1599 (5), 1845 (6),<br>2563 (10) | 38, 66 (2), 108 (2),<br>288           |
| 448                                 | $A_5 \times 2 \times 2 : 2 : S_3$      | 2880  | 83160  | 857, 790, 874, 858,<br>796, 875, 793, 1133<br>(3), 1601 (5), 1859<br>(6), 2564 (10)   | 39, 220, 288                          |
| 449                                 | $D_8 \times A_5 : S_3$                 | 2880  | 83160  | 864, 794, 876, 869,<br>797, 877, 793, 1134<br>(3), 1602 (5), 1860<br>(6), 2565 (10)   | 40, 224, 288                          |
| 450                                 | $S_5 \times 2^2 \times S_3$            | 2880  | 27720  | 878 (3), 798 (3), 879<br>(3), 795 (3), 793,<br>867, 866, 1135 (3),<br>1603 (5), 1861 (6),<br>2566 (10)                        | 41, 225, 288 (3)                      |

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|-------------------------------------|---|-------|--------|--|---|
| Nr.                                 | Structure   | Order | Length | Maximal Subgroups  | Minimal Overgroups                      |
| 451                                 | $A_5 \times 2 \cdot 2 : 2 : S_3$                    | 2880  | 83160  | 880, 881, 790, 882, 883, 797, 798, 1136 (3), 1604 (5), 1862 (6), 2567 (10)             | 42, 288                                 |
| 452                                 | $S_5 \times 4 \times S_3$                           | 2880  | 83160  | 884, 885, 795, 886, 887, 797, 796, 1137 (3), 1605 (5), 1863 (6), 2568 (10)             | 43, 288                                 |
| 453                                 | $A_5 \times 2 \times 2 : 2 : S_3$                   | 2880  | 83160  | 888, 889, 794, 890, 891, 796, 798, 1138 (3), 1606 (5), 1864 (6), 2569 (10)             | 44, 288                                 |
| 454                                 | $D_{10} \cdot 2 \times 2 \times 2 \times S_3 : S_3$ | 2880  | 166320 | 801, 800, 835, 799, 834, 832, 833, 1143 (3), 1139 (3), 1447 (4), 1605 (5)              | 51, 141                                 |
| 455                                 | $S_6 \times 2^2$                                    | 2880  | 13860  | 861, 805 (3), 802 (3), 1830 (6), 1865 (6), 2570 (10), 3318 (15), 3319 (15)             | 56 (3), 241, 289, 290 (3), 293 (3)      |
| 456                                 | $S_6 \times 2^2$                                    | 2880  | 41580  | 826, 804 (2), 803 (2), 827, 802, 1831 (6), 1866 (6), 2571 (10), 3320 (15), 3321 (15)   | 57 (2), 129 (2), 223 (4), 289, 299, 300 |
| 457                                 | $S_6 \times 2^2$                                    | 2880  | 41580  | 892, 806 (2), 893, 802, 804 (2), 1832 (6), 1867 (6), 2572 (10), 3322 (15), 3323 (15)   | 58 (2), 289, 301, 306                   |
| 458                                 | $S_6 \times 2^2$                                    | 2880  | 13860  | 825, 859 (3), 805 (3), 1868 (6), 1833 (6), 2573 (10), 3324 (15), 3325 (15)             | 59, 228, 290 (3), 291 (3), 292          |
| 459                                 | $S_6 \times 2^2$                                    | 2880  | 41580  | 826, 894 (2), 804 (2), 805, 893, 1869 (6), 1834 (6), 2574 (10), 3326 (15), 3327 (15)   | 60, 289, 291, 295                       |
| 460                                 | $S_6 \times 2^2$                                    | 2880  | 41580  | 892, 806, 862, 805, 827, 803, 894, 1870 (6), 1835 (6), 2575 (10), 3328 (15), 3329 (15) | 61, 289, 292, 294                       |

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|-------------------------------------|--|-------|--------|---|------------------------|
| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups   | Minimal Overgroups     |
| 461                                 | $S_6 \times 4$                         | 2880  | 41580  | 822, 828, 805, 1871<br>(6), 1836 (6), 2576<br>(10), 3330 (15), 3331<br>(15)                   | 62, 290, 294, 295      |
| 462                                 | $S_6 \times 4$                         | 2880  | 41580  | 829, 805, 823, 1872<br>(6), 1837 (6), 2577<br>(10), 3332 (15), 3333<br>(15)                   | 63, 291, 293, 294      |
| 463                                 | $S_6 \times 2^2$                       | 2880  | 41580  | 860, 863 (2), 806 (2),<br>830, 805, 1873 (6),<br>1838 (6), 2578 (10),<br>3334 (15), 3335 (15) | 64, 292, 293, 295      |
| 464                                 | $S_5 \times 2^2 : S_3$                 | 2880  | 83160  | 837, 811, 848, 1134<br>(3), 1418 (4), 1626<br>(5), 1874 (6), 2579<br>(10)                     | 68, 142, 171, 224, 287 |
| 465                                 | $S_5 \times (A_4 \times 2)$            | 2880  | 83160  | 850, 811, 839, 1135,<br>1419 (4), 1629 (5),<br>1875 (6), 2580 (10)                            | 69, 143, 170, 225, 287 |
| 466                                 | $S_5 \times 2^2 : S_3$                 | 2880  | 83160  | 813, 851, 841, 1133<br>(3), 1426 (4), 1616<br>(5), 1840 (6), 2533<br>(10)                     | 76, 144, 296           |
| 467                                 | $A_5 \times 2 \times 2 \times 2 : S_3$ | 2880  | 83160  | 855, 845, 813, 1155<br>(3), 1428 (4), 1628<br>(5), 1841 (6), 2540<br>(10)                     | 77, 148, 296           |
| 468                                 | $A_5 \times 2 \times 2 \times 2 : S_3$ | 2880  | 83160  | 837, 850, 812, 1155<br>(3), 1430 (4), 1629<br>(5), 1842 (6), 2541<br>(10)                     | 77, 145, 170, 226, 287 |
| 469                                 | $S_5 \times 2^2 : S_3$                 | 2880  | 83160  | 813, 853, 844, 1157<br>(3), 1433 (4), 1627<br>(5), 1844 (6), 2542<br>(10)                     | 78, 130 (2), 146, 296  |
| 470                                 | $S_5 \times 2^2 : S_3$                 | 2880  | 83160  | 812, 839, 848, 1157<br>(3), 1431 (4), 1626<br>(5), 1843 (6), 2543<br>(10)                     | 78, 147, 171, 227, 287 |
| 471                                 | $A_5 : 2 \times 2 \times 2 : S_3$      | 2880  | 83160  | 814, 842, 852, 1145<br>(3), 1434 (4), 1630<br>(5), 1840 (6), 2544<br>(10)                     | 79, 144, 297           |

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|-------------------------------------|--|-------|--------|---|------------------------|
| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups   | Minimal Overgroups     |
| 472                                 | $A_5 : 2 \times 2 \times 2 : S_3$      | 2880  | 83160  | 815, 831, 836, 1145<br>(3), 1427 (4), 1631<br>(5), 1839 (6), 2545<br>(10)   | 79, 138, 298           |
| 473                                 | $A_5 \times 2 \times 2 \times 2 : S_3$ | 2880  | 83160  | 838, 815, 849, 1156<br>(3), 1432 (4), 1632<br>(5), 1842 (6), 2547<br>(10)   | 80, 145, 298           |
| 474                                 | $A_5 \times 2 \times 2 \times 2 : S_3$ | 2880  | 83160  | 856, 814, 846, 1156<br>(3), 1435 (4), 1633<br>(5), 1841 (6), 2546<br>(10)   | 80, 148, 297           |
| 475                                 | $A_5 : 2 \times 2 \times 2 : S_3$      | 2880  | 83160  | 815, 840, 847, 1158<br>(3), 1429 (4), 1634<br>(5), 1843 (6), 2549<br>(10)   | 81, 147, 298           |
| 476                                 | $A_5 : 2 \times 2 \times 2 : S_3$      | 2880  | 83160  | 814, 854, 843, 1158<br>(3), 1436 (4), 1635<br>(5), 1844 (6), 2548<br>(10)   | 81, 146, 297           |
| 477                                 | $A_6 \times 2 \cdot 2 : 2$             | 2880  | 41580  | 822, 859, 802, 1849<br>(6), 1846 (6), 2581<br>(10), 3336 (15), 3337<br>(15) | 113 (2), 290, 299, 306 |
| 478                                 | $S_6 \times 4$                         | 2880  | 41580  | 822, 827, 823, 1851<br>(6), 1848 (6), 2582<br>(10), 3338 (15), 3339<br>(15) | 114 (2), 294, 299, 303 |
| 479                                 | $D_8 \times A_6$                       | 2880  | 41580  | 822, 860, 826, 1847<br>(6), 1850 (6), 2583<br>(10), 3340 (15), 3341<br>(15) | 115 (2), 295, 299, 302 |
| 480                                 | $2^2 : A_6 : 2$                        | 2880  | 41580  | 826, 859, 823, 1853<br>(6), 1852 (6), 2584<br>(10), 3342 (15), 3343<br>(15) | 116 (2), 291, 299, 305 |
| 481                                 | $A_6 \times 2 \times 2 : 2$            | 2880  | 41580  | 860, 802, 823, 1855<br>(6), 1854 (6), 2585<br>(10), 3344 (15), 3345<br>(15) | 117 (2), 293, 299, 301 |
| 482                                 | $S_5 \times 2^2 : S_3$                 | 2880  | 166320 | 824, 868, 865, 1157<br>(3), 1433 (4), 1664<br>(5), 1856 (6), 2586<br>(10)   | 130, 227               |

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|-------------------------------------|--|-------|--------|--|-------------------------------------|
| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups  | Minimal Overgroups                  |
| 483                                 | $A_6 \times 2 \times 2 : 2$              | 2880  | 41580  | 825, 828, 802, 1876 (6), 1877 (6), 2587 (10), 3346 (15), 3347 (15)         | 132 (2), 219, 290, 300, 301         |
| 484                                 | $D_8 \times A_6$                         | 2880  | 41580  | 825, 829, 826, 1878 (6), 1879 (6), 2588 (10), 3348 (15), 3349 (15)         | 133 (2), 234, 291, 300, 302         |
| 485                                 | $S_6 \times 2^2$                         | 2880  | 13860  | 825, 830 (3), 827 (3), 1880 (6), 1881 (6), 2589 (10), 3350 (15), 3351 (15) | 134 (2), 235, 292, 300 (3), 303 (3) |
| 486                                 | $A_6 \times 2 \cdot 2 : 2$               | 2880  | 41580  | 829, 802, 830, 1882 (6), 1883 (6), 2590 (10), 3352 (15), 3353 (15)         | 135 (2), 293, 300, 306              |
| 487                                 | $S_6 \times 4$                           | 2880  | 41580  | 829, 827, 828, 1884 (6), 1885 (6), 2591 (10), 3354 (15), 3355 (15)         | 136 (2), 172 (4), 294, 300, 304     |
| 488                                 | $A_6 \times 2 \times 2 : 2$              | 2880  | 41580  | 826, 830, 828, 1886 (6), 1887 (6), 2592 (10), 3356 (15), 3357 (15)         | 137 (2), 295, 300, 305              |
| 489                                 | $A_5 : 2 \times 2 \times 2 : S_3$        | 2880  | 83160  | 838, 840, 831, 1152 (3), 1445 (4), 1669 (5), 1857 (6), 2593 (10)           | 139, 174 (2), 298                   |
| 490                                 | $A_5 \times 2 \times 2 \times 2 : S_3$   | 2880  | 83160  | 849, 847, 831, 1154 (3), 1446 (4), 1670 (5), 1858 (6), 2594 (10)           | 140, 298                            |
| 491                                 | $A_5 : 2 \times 2 \times 2 : S_3$        | 2880  | 83160  | 838, 847, 836, 1146 (3), 1449 (4), 1671 (5), 1874 (6), 2595 (10)           | 142, 298                            |
| 492                                 | $A_5 \times 2 \times 2 : 3 : 2 \times 2$ | 2880  | 83160  | 849, 840, 836, 1147, 1450 (4), 1672 (5), 1875 (6), 2596 (10)               | 143, 298                            |
| 493                                 | $A_5 : 2 \times 2 \times 2 : S_3$        | 2880  | 83160  | 846, 842, 843, 1160 (3), 1458 (4), 1673 (5), 1888 (6), 2597 (10)           | 149, 175 (2), 297                   |

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| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 494                                 | $S_5 \times 2^2 : S_3$                   | 2880  | 83160  | 845, 841, 844, 1159<br>(3), 1459 (4), 1669<br>(5), 1888 (6), 2598<br>(10)           | 149, 174 (2), 296  |
| 495                                 | $S_5 \times (A_4 \times 2)$              | 2880  | 83160  | 855, 851, 844, 1132,<br>1439 (4), 1674 (5),<br>1889 (6), 2599 (10)                  | 150, 296           |
| 496                                 | $A_5 \times 2 \times 2 : 3 : 2 \times 2$ | 2880  | 83160  | 856, 843, 852, 1144,<br>1460 (4), 1675 (5),<br>1889 (6), 2600 (10)                  | 150, 297           |
| 497                                 | $S_5 \times 2^2 : S_3$                   | 2880  | 83160  | 845, 851, 853, 1136<br>(3), 1461 (4), 1676<br>(5), 1890 (6), 2601<br>(10)           | 151, 296           |
| 498                                 | $A_5 : 2 \times 2 \times 2 : S_3$        | 2880  | 83160  | 846, 854, 852, 1148<br>(3), 1462 (4), 1677<br>(5), 1890 (6), 2602<br>(10)           | 151, 297           |
| 499                                 | $A_5 \times 2 \times 2 \times 2 : S_3$   | 2880  | 83160  | 856, 854, 842, 1161<br>(3), 1464 (4), 1678<br>(5), 1891 (6), 2603<br>(10)           | 152, 297           |
| 500                                 | $A_5 \times 2 \times 2 \times 2 : S_3$   | 2880  | 83160  | 855, 841, 853, 1162<br>(3), 1463 (4), 1679<br>(5), 1891 (6), 2604<br>(10)           | 152, 296           |
| 501                                 | $A_5 \times 2 \times 2 : 2 \times S_3$   | 2880  | 83160  | 857, 807, 885, 866,<br>888, 880, 864, 1153<br>(3), 1680 (5), 1892<br>(6), 2605 (10) | 221, 288           |
| 502                                 | $S_5 \times (D_8 \times 3)$              | 2880  | 83160  | 867, 889, 808, 869,<br>887, 883, 857, 1151,<br>1681 (5), 1893 (6),<br>2606 (10)     | 222, 288           |
| 503                                 | $D_8 \times A_5 \times S_3$              | 2880  | 83160  | 866, 816, 858, 886,<br>890, 882, 869, 1155<br>(3), 1682 (5), 1894<br>(6), 2607 (10) | 226, 288           |
| 504                                 | $S_5 \times 2^2 : S_3$                   | 2880  | 83160  | 864, 881, 817, 858,<br>891, 884, 867, 1157<br>(3), 1683 (5), 1895<br>(6), 2608 (10) | 227, 288           |

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|-------------------------------------|---------------------------------------|-------|--------|--|----------------------------|
| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups         |
| 505                                 | $D_8 \times A_6$                      | 2880  | 41580  | 825, 822, 861, 1896 (6), 1897 (6), 2609 (10), 3358 (15), 3359 (15)                   | 229, 230, 290, 302, 303    |
| 506                                 | $S_6 \times 2^2$                      | 2880  | 41580  | 860, 859, 827, 863 (2), 862 (2), 1898 (6), 1899 (6), 2610 (10), 3360 (15), 3361 (15) | 232 (4), 292, 299, 304     |
| 507                                 | $A_6 \times 2 \times 2 : 2$           | 2880  | 41580  | 861, 859, 828, 1900 (6), 1901 (6), 2611 (10), 3362 (15), 3363 (15)                   | 236, 290, 304, 305         |
| 508                                 | $S_6 \times 2^2$                      | 2880  | 13860  | 861, 827 (3), 893 (3), 1902 (6), 1903 (6), 2612 (10), 3364 (15), 3365 (15)           | 237, 289, 303 (3), 304 (3) |
| 509                                 | $D_8 \times A_6$                      | 2880  | 41580  | 829, 860, 861, 1904 (6), 1905 (6), 2613 (10), 3366 (15), 3367 (15)                   | 238, 293, 302, 304         |
| 510                                 | $2^2 : S_6$                           | 2880  | 41580  | 825, 823, 893, 1906 (6), 1907 (6), 2614 (10), 3368 (15), 3369 (15)                   | 239, 291, 301, 303         |
| 511                                 | $A_6 \times 2 \times 2 \times 2$      | 2880  | 13860  | 825, 892 (3), 860 (3), 1908 (6), 1909 (6), 2615 (10), 3370 (15), 3371 (15)           | 240, 292, 301 (3), 302 (3) |
| 512                                 | $A_6 \times 2 \times 2 : 2$           | 2880  | 41580  | 861, 823, 830, 1910 (6), 1911 (6), 2616 (10), 3372 (15), 3373 (15)                   | 242, 293, 303, 305         |
| 513                                 | $A_6 \times 2 \times 2 \times 2$      | 2880  | 13860  | 861, 826 (3), 892 (3), 1912 (6), 1913 (6), 2617 (10), 3374 (15), 3375 (15)           | 243, 289, 302 (3), 305 (3) |
| 514                                 | $A_5 \times 2 \cdot 2 : 2 \times S_3$ | 2880  | 83160  | 891, 807, 878, 886, 883, 877, 875, 1164 (3), 1684 (5), 1914 (6), 2618 (10)           | 288                        |

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|-------------------------------------|--|-------|--------|--|--------------------|
| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 515                                 | $S_5 \times 2^2 : S_3$                 | 2880  | 83160  | 880, 876, 808, 890, 875, 884, 879, 1141 (3), 1685 (5), 1915 (6), 2619 (10)           | 288                |
| 516                                 | $A_5 \times 2 \times 2 : 2 \times S_3$ | 2880  | 83160  | 876, 878, 885, 816, 881, 874, 889, 1162 (3), 1686 (5), 1916 (6), 2620 (10)           | 288                |
| 517                                 | $S_5 \times 4 : S_3$                   | 2880  | 83160  | 888, 874, 817, 882, 877, 887, 879, 1159 (3), 1687 (5), 1917 (6), 2621 (10)           | 288                |
| 518                                 | $4 : A_6 : 2$                          | 2880  | 41580  | 829, 859, 893, 1918 (6), 1919 (6), 2622 (10), 3376 (15), 3377 (15)                   | 291, 304, 306      |
| 519                                 | $S_6 \times 2^2$                       | 2880  | 41580  | 892, 863 (2), 830, 859, 894 (2), 1920 (6), 1921 (6), 2623 (10), 3378 (15), 3379 (15) | 292, 305, 306      |
| 520                                 | $A_6 \times 2 \cdot 2 \times 2$        | 2880  | 41580  | 829, 822, 892, 1922 (6), 1923 (6), 2624 (10), 3380 (15), 3381 (15)                   | 294, 302, 306      |
| 521                                 | $A_6 \times 2 \cdot 2 \times 2$        | 2880  | 41580  | 892, 823, 828, 1924 (6), 1925 (6), 2625 (10), 3382 (15), 3383 (15)                   | 294, 301, 305      |
| 522                                 | $A_6 \times 2 \cdot 2 : 2$             | 2880  | 41580  | 822, 893, 830, 1926 (6), 1927 (6), 2626 (10), 3384 (15), 3385 (15)                   | 295, 303, 306      |
| 523                                 | $A_6 \times 2 \times 2 : 2$            | 2880  | 41580  | 860, 893, 828, 1928 (6), 1929 (6), 2627 (10), 3386 (15), 3387 (15)                   | 295, 301, 304      |
| 524                                 | $D_8 \times (I_2(7) : 2)$              | 2688  | 178200 | 896, 897, 900, 903, 895, 898, 899, 2425 (8), 4433 (21), 5172 (28)                    | 28, 244            |

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|-------------------------------------|---|-------|--------|---|----------------------------|
| Nr.                                 | Structure                                   | Order | Length | Maximal Subgroups   | Minimal Overgroups         |
| 525                                 | $2^3 : L_2(7) \times 2$                     | 2688  | 89100  | 901, 2131 (7), 2132 (7), 2431 (8), 2427 (8), 2429 (8)                                     | 87, 245 (2), 308           |
| 526                                 | $2^3 : L_2(7) \times 2$                     | 2688  | 44550  | 901, 2133 (7), 2134 (7), 2432 (8), 2428 (8), 2433 (8)                                     | 89, 307, 308, 309          |
| 527                                 | $M_9 \times S_3 : S_3$                      | 2592  | 184800 | 907, 908, 909, 1166 (3), 1229 (3), 1527 (4), 2628 (9)                                     | 9                          |
| 528                                 | $D_{12} \times S_3 \times S_3 : S_3$        | 2592  | 184800 | 930, 935, 927, 912, 910, 911, 932, 1201 (3), 1528 (4), 5173 (27)                          | 16, 248                    |
| 529                                 | $3^3 : S_3 \cdot 2 : 2 : 2 \cdot 2$         | 2592  | 92400  | 936, 937, 917, 8082 (81)  | 32, 310                    |
| 530                                 | $3 : S_3 \cdot 2 : 2 \times S_3 \times S_3$ | 2592  | 92400  | 919, 934 (2), 915 (2), 933 (2), 926, 916 (2), 938, 914, 918, 939, 931, 1201 (6), 2629 (9) | 112, 248 (2), 312          |
| 531                                 | $3 : S_3 \cdot 2 : S_3 : S_3 : 2$           | 2592  | 46200  | 914 (2), 920 (2), 940, 917, 941, 2581 (18)  | 113 (2), 310, 311, 312     |
| 532                                 | $3 : S_3 \cdot S_3 : S_3 \cdot 2 : 2$       | 2592  | 92400  | 918, 922, 919, 921, 942, 917, 943, 2583 (9), 2582 (9)                                     | 114, 115, 312              |
| 533                                 | $3 : S_3 : S_3 : S_3 \cdot 2 : 2$           | 2592  | 92400  | 944, 945, 939, 946, 920, 921, 918, 2584 (9), 2630 (9)                                     | 116, 312                   |
| 534                                 | $3 : S_3 \cdot S_3 : S_3 \cdot 2 : 2$       | 2592  | 92400  | 947, 922, 931, 921, 948, 945, 914, 2585 (9), 2631 (9)                                     | 117, 312                   |
| 535                                 | $3 : S_3 \cdot 2 : 2 \times S_3 \times S_3$ | 2592  | 92400  | 923 (2), 919, 924 (2), 948, 944, 938, 949, 950 (2), 951 (2), 920, 922, 1205 (6), 2632 (9) | 118, 312                   |
| 536                                 | $3^2 : S_3 : S_3 : 2 : 2 : 2$               | 2592  | 15400  | 941 (3), 952 (6), 937 (6), 8083 (81)  | 249, 310 (3), 314, 315 (3) |
| 537                                 | $3^3 : S_3 \cdot 2 : 2 : 2 : 2$             | 2592  | 46200  | 936 (2), 941, 8084 (81)   | 310, 316, 317              |
| 538                                 | $3^3 : S_3 \cdot 2 : 2 : 2 : 2$             | 2592  | 92400  | 937, 936, 925 (2), 940, 953 (2), 8085 (81)  | 310                        |

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|-------------------------------------|-------------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 539                                 | $3 : S_3 : S_3 : S_3 : 2 \cdot 2$   | 2592  | 46200  | 947 (2), 941, 8086 (81)  | 311, 314, 317   |
| 540                                 | $3 : S_3 \cdot S_3 : S_3 : 2 : 2$   | 2592  | 46200  | 954 (2), 941, 8087 (81)  | 311, 315, 316   |
| 541                                 | $S_3 \times S_3 : S_3 : S_3 : 2$    | 2592  | 46200  | 944 (2), 947, 926, 941, 943 (2), 2503 (18)                                 | 312, 314, 316   |
| 542                                 | $S_3 \times S_3 : S_3 : S_3 : 2$    | 2592  | 46200  | 941, 942 (2), 931 (2), 946, 949, 2633 (18)                                 | 312, 315, 317   |
| 543                                 | $3 : S_3 \cdot S_3 : S_3 : 2 : 2$   | 2592  | 92400  | 943, 942, 938, 945, 948, 940, 939, 2634 (9), 2635 (9)                      | 312   |
| 544                                 | $3 : S_3 \cdot S_3 : S_3 : 2 : 2$   | 2592  | 92400  | 952, 955 (2), 949, 928 (2), 954, 2502 (18)                                 | 315   |
| 545                                 | $3^2 : S_3 : S_3 : 2 : 2 \cdot 2$   | 2592  | 92400  | 954, 952, 946, 8088 (81)   | 315   |
| 546                                 | $A_5 \times 7 : 3 : 2$              | 2520  | 95040  | 957, 1265, 1814 (5), 2061 (6), 2377 (7), 3007 (10)                         | 29, 318   |
| 547                                 | $A_5 \times 7 : 3 : 2$              | 2520  | 95040  | 957, 1266, 1816 (5), 2062 (6), 2378 (7), 3012 (10)                         | 30, 318   |
| 548                                 | $S_5 \times (7 : 3)$                | 2520  | 95040  | 957, 1267, 1820 (5), 2063 (6), 2379 (7), 3013 (10)                         | 130 (2), 318  |
| 549                                 | $A_7$                               | 2520  | 792    | 2380 (7), 3863 (30), 4931 (21), 5852 (35)                                  | 131 (5), 198 (6), 252 (10), 319 (10), 320, 321 (10), 322 (15), 323 (15) |
| 550                                 | $S_5 \times (D_{10} \cdot 2)$       | 2400  | 99792  | 961, 958, 963, 1839 (5), 1836 (5), 2071 (6), 3036 (10)                     | 72, 169, 324  |
| 551                                 | $S_5 \times (D_{20})$               | 2400  | 99792  | 970, 958, 965, 968, 959, 971, 960, 1842 (5), 1835 (5), 2072 (6), 3037 (10) | 73, 170, 324  |
| 552                                 | $S_5 \times (D_{10} \cdot 2)$       | 2400  | 99792  | 966, 958, 969, 1843 (5), 1837 (5), 2073 (6), 3038 (10)                     | 74, 171, 324  |
| 553                                 | $A_5 \times 5 : 2 \cdot 2 \times 2$ | 2400  | 99792  | 968, 961, 966, 1922 (5), 1875 (5), 2072 (6), 3039 (10)                     | 170, 324  |

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|-------------------------------------|--|-------|--------|--|-----------------------------------|
| Nr.                                 | Structure  | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 554                                 | $S_5 \times (D_{10} \cdot 2)$                      | 2400  | 99792  | 961, 969, 965, 1874<br>(5), 1848 (5), 2073<br>(6), 3040 (10)                                     | 171, 324                          |
| 555                                 | $S_5 \times (D_{10} \cdot 2)$                      | 2400  | 99792  | 966, 965, 963, 1857<br>(5), 1884 (5), 2074<br>(6), 3041 (10)                                     | 172 (2), 173, 174 (2),<br>324     |
| 556                                 | $A_5 \times 5 : 2 \cdot 2 : 2$                     | 2400  | 199584 | 967, 964, 962, 1888<br>(5), 1885 (5), 2074<br>(6), 3042 (10)                                     | 172, 174, 175                     |
| 557                                 | $A_5 \times 5 : 2 \cdot 2 \times 2$                | 2400  | 99792  | 968, 969, 963, 1858<br>(5), 1924 (5), 2075<br>(6), 3043 (10)                                     | 177, 324                          |
| 558                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 \times 2 : 2$ | 2304  | 103950 | 1047, 972 (2), 999,<br>1048 (2), 1013, 2824<br>(9), 3930 (16)                                    | 19, 122, 325                      |
| 559                                 | $2^4 : 3 : S_3 \cdot 2 \times 2 : 2$               | 2304  | 51975  | 1049, 973 (4), 989,<br>1050, 2824 (9), 3929<br>(16)  | 19 (2), 326, 330, 347             |
| 560                                 | $2^4 : 3 \times 2 : S_3 \cdot 2 : 2$               | 2304  | 51975  | 1051, 989, 1052, 2825<br>(9), 3932 (16)  | 21 (2), 326, 333, 338             |
| 561                                 | $2^4 : 3 : S_3 \cdot 2 \times 2 : 2$               | 2304  | 103950 | 1053, 999, 1054, 2825<br>(9), 3931 (16)  | 21, 325                           |
| 562                                 | $2^{1+4} : 2 \times S_3 : S_3$                     | 2304  | 207900 | 974, 1014, 1023, 975,<br>1020, 1019, 1021,<br>1287 (3), 1276 (3),<br>1618 (4)                    | 35, 216                           |
| 563                                 | $2^5 : S_3 : S_3 : 2$                              | 2304  | 51975  | 982 (2), 980, 989, 976<br>(2), 1055, 2826 (9),<br>3953 (16)                                      | 56, 329, 330, 333                 |
| 564                                 | $2^5 : S_3 : S_3 : 2$                              | 2304  | 103950 | 983, 978, 991, 976,<br>1025, 1024, 977, 2827<br>(9), 3954 (16)                                   | 57, 269 (2), 329                  |
| 565                                 | $2^5 : S_3 : S_3 : 2$                              | 2304  | 103950 | 994, 978, 976, 1056,<br>981, 984, 988, 2828<br>(9), 3955 (16)                                    | 58, 329                           |
| 566                                 | $2^6 : S_3 : S_3$                                  | 2304  | 17325  | 1057 (6), 980 (3),<br>1029 (2), 1049 (3),<br>1041, 1291 (6), 3956<br>(16)                        | 59, 270, 330 (3), 331<br>(3), 332 |
| 567                                 | $2^6 : S_3 : S_3$                                  | 2304  | 51975  | 1058 (4), 1059, 987<br>(2), 978 (2), 1060,<br>1061 (2), 1062 (2),<br>980, 1292 (6), 3957<br>(16) | 60, 329, 331, 335                 |

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|-------------------------------------|--|-------|--------|---|------------------------|
| Nr.                                 | Structure  | Order | Length | Maximal Subgroups   | Minimal Overgroups     |
| 568                                 | $2^5 : S_3 : S_3 : 2$                              | 2304  | 51975  | 1063, 980, 977, 1064, 981, 1065, 986, 2829 (9), 3958 (16)   | 61, 329, 332, 334      |
| 569                                 | $2^5 \cdot S_3 : S_3 : 2$                          | 2304  | 51975  | 1050, 1066, 980, 2830 (9), 3959 (16)  | 62, 330, 334, 335      |
| 570                                 | $2^4 \times 4 : S_3 : S_3$                         | 2304  | 51975  | 1067 (2), 1068, 980, 1069 (2), 1052, 1295 (6), 3960 (16)  | 63, 331, 333, 334      |
| 571                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2 \times 2$ | 2304  | 51975  | 981 (2), 1070, 1051, 1071 (2), 980, 2831 (9), 3961 (16)   | 64, 332, 333, 335      |
| 572                                 | $2^5 : S_3 : S_3 : 2$                              | 2304  | 103950 | 991, 984, 983, 988, 982, 987, 986, 2832 (9), 3962 (16)  | 70 (2), 329            |
| 573                                 | $2^6 : S_3 : S_3$                                  | 2304  | 207900 | 1005, 995, 1003, 990, 1006, 992, 1022, 1072, 997, 1000, 993, 1018, 1011, 1008, 1073, 1283 (3), 1282 (3), 1624 (4), 1618 (4) | 91, 92, 216            |
| 574                                 | $2^6 : S_3 : S_3$                                  | 2304  | 51975  | 1059, 989, 996 (2), 1001 (4), 991 (2), 998 (2), 994 (2), 1063, 1283 (6), 1599 (8)   | 91 (4), 326, 329, 339  |
| 575                                 | $2^6 : S_3 : S_3$                                  | 2304  | 103950 | 1009 (2), 1074 (2), 1002 (2), 1007 (2), 1010 (2), 1004 (2), 999, 1075, 1076, 1282 (6), 1625 (8)                             | 92 (2), 325            |
| 576                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 \times 2 : 2$ | 2304  | 103950 | 1013, 1076, 1053, 2833 (9), 3963 (16)   | 123, 325               |
| 577                                 | $2^5 \cdot S_3 : S_3 : 2$                          | 2304  | 103950 | 1054, 1075, 1013, 2834 (9), 3964 (16)   | 124, 325               |
| 578                                 | $A_4 \times 2 \cdot 2 \times 2 : 2 : 2 : S_3$      | 2304  | 103950 | 1030, 1042, 1028, 1291, 1305 (3), 1688 (4), 1662 (4)  | 153, 270, 337          |
| 579                                 | $2^{1+4} \times A_4 : S_3$                         | 2304  | 51975  | 1077, 1290, 1305 (3), 1688 (8), 1663 (4), 1620 (4)  | 153 (2), 327, 328, 336 |
| 580                                 | $2^6 : S_3 : S_3$                                  | 2304  | 207900 | 1033, 1026, 1040, 1304 (3), 1306 (3), 1689 (4), 3949 (16)   | 271                    |

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|-------------------------------------|---------------------------------------|-------|--------|---|--------------------|
| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 581                                 | $2^6 : S_3 : S_3$                     | 2304  | 207900 | 1032, 1027, 1038, 1306 (3), 1307 (3), 1690 (4), 3965 (16)                       | 271, 272           |
| 582                                 | $2^6 : S_3 : S_3$                     | 2304  | 103950 | 1035, 1028, 1037, 1307 (3), 1308 (3), 1691 (4), 1692 (4)                        | 272, 337           |
| 583                                 | $D_8 \times (A_4 \times 2) : 2 : S_3$ | 2304  | 103950 | 1034, 1037, 1030, 1308 (3), 1306 (6), 1309 (3), 1693 (4), 1694 (4)              | 272, 337           |
| 584                                 | $2^6 : S_3 : S_3$                     | 2304  | 103950 | 1036, 1039, 1062, 1029, 1078, 1079, 1069, 1309 (3), 1307 (3), 3966 (16)         | 272, 331           |
| 585                                 | $2^6 : S_3 : S_3$                     | 2304  | 51975  | 1043 (2), 989, 1080 (2), 1066, 1041, 1310 (6), 1601 (8)                         | 273, 330, 338, 339 |
| 586                                 | $2^4 : 3 : S_3 \cdot 2 \times 2 : 2$  | 2304  | 51975  | 1055, 1041, 1050, 2835 (9), 3967 (16)   | 274, 330, 340, 341 |
| 587                                 | $2^6 : S_3 : S_3$                     | 2304  | 34650  | 1028, 1044, 1034, 1311 (3), 1312 (3), 1695 (4), 1665 (12)                       | 275, 337 (3)       |
| 588                                 | $2^4 : 3 : 2 \times 2 \times 2 : S_3$ | 2304  | 103950 | 1030, 1044, 1035, 1311, 1313 (3), 1696 (4), 1666 (4)                            | 275, 337           |
| 589                                 | $D_8 \times (2^4 : 3) : S_3$          | 2304  | 103950 | 1029, 1046, 1061, 1036, 1067, 1081, 1082, 1312, 1313 (3), 3968 (16)             | 275, 331           |
| 590                                 | $2^6 : S_3 : S_3$                     | 2304  | 103950 | 1037, 1042, 1044, 1314 (3), 1315 (3), 1697 (4), 1664 (8), 1698 (4)              | 276, 337           |
| 591                                 | $D_8 \times (2^4 : 3) : S_3$          | 2304  | 51975  | 1046, 1083, 1068, 1084, 1041, 1039, 1059, 1315 (6), 1316 (6), 1602 (8)          | 276, 331, 339, 340 |
| 592                                 | $2^6 : S_3 : S_3$                     | 2304  | 103950 | 1085, 1043, 1045, 1086, 1087, 1039, 996, 1314 (3), 1316 (3), 1683 (4), 1680 (4) | 276, 339           |

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|-------------------------------------|---|-------|--------|---|----------------------------|
| Nr.                                 | Structure   | Order | Length | Maximal Subgroups   | Minimal Overgroups         |
| 593                                 | $2^6 : S_3 : S_3$                                       | 2304  | 103950 | 1035, 1034, 1042, 1317 (3), 1318 (3), 1699 (4), 1700 (4)                    | 277, 337                   |
| 594                                 | $2^6 : S_3 : S_3$                                       | 2304  | 51975  | 1036 (2), 1041, 1060, 1088 (2), 1052, 1317 (6), 3969 (16)                   | 277, 331, 338, 341         |
| 595                                 | $A_4 \times 2 \times 2 \times 2 : S_3 \cdot 2 \times 2$ | 2304  | 17325  | 1065 (3), 1051 (3), 1041, 2836 (9), 3970 (16)                               | 278, 332, 338 (3), 340 (3) |
| 596                                 | $2^6 : S_3 : S_3$                                       | 2304  | 17325  | 1089 (6), 1070 (3), 1063 (3), 1045 (2), 1041, 1319 (6), 1603 (8)            | 279, 332, 339 (3), 341 (3) |
| 597                                 | $D_8 \times (A_4 \times 2 \times 2) : S_3$              | 2304  | 103950 | 1045, 998, 1043, 1090, 1091, 1092, 1046, 1319, 1320 (3), 1682 (4), 1681 (4) | 279, 339                   |
| 598                                 | $2^5 : S_3 : S_3 : 2$                                   | 2304  | 103950 | 985 (2), 1047, 1075, 1093 (2), 1053, 2837 (9), 3971 (16)                    | 325                        |
| 599                                 | $2^6 : S_3 : S_3$                                       | 2304  | 103950 | 1094 (2), 1095 (2), 1076, 1054, 1047, 1286 (6), 3972 (16)                   | 325                        |
| 600                                 | $2^5 \cdot S_3 : S_3 : 2$                               | 2304  | 51975  | 1052, 1063, 1050, 2838 (9), 3973 (16)                                       | 326, 334, 341              |
| 601                                 | $2^6 : S_3 : S_3$                                       | 2304  | 51975  | 1079 (2), 1081 (2), 1059, 1052, 1049, 1321 (6), 3974 (16)                   | 326, 331, 348              |
| 602                                 | $2^4 : 3 : S_3 \cdot 2 \times 2 : 2$                    | 2304  | 51975  | 1050, 1059, 1051, 2839 (9), 3975 (16)                                       | 326, 335, 340              |
| 603                                 | $2^5 : S_3 : S_3 : 2$                                   | 2304  | 51975  | 986 (2), 1049, 1063, 1071 (2), 1051, 2840 (9), 3976 (16)                    | 326, 332, 346              |
| 604                                 | $2^{1+4} : A_4 : S_3$                                   | 2304  | 51975  | 1077, 1322 (3), 1323 (6), 1324 (3), 1701 (8), 1702 (4), 1703 (4)            | 327, 342, 344              |
| 605                                 | $2^{1+4} : (2 \times 6) : S_3$                          | 2304  | 51975  | 1077, 1325, 1326 (3), 1641 (4), 1704 (4)                                    | 327, 343, 345              |
| 606                                 | $2^{1+4} : (A_4 \times 3 \times 2)$                     | 2304  | 51975  | 1077, 1327 (2), 1328, 1329, 1705 (4), 1706 (4)                              | 328, 344, 345              |

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|-------------------------------------|---|-------|--------|--|--------------------|
| Nr.                                 | Structure   | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 607                                 | $2^{1+4} \times A_4 : S_3$                              | 2304  | 51975  | 1077, 1330, 1331 (3),<br>1707 (4), 1708 (4),<br>1709 (8)                         | 328, 342, 343      |
| 608                                 | $2^5 : S_3 : S_3 : 2$                                   | 2304  | 51975  | 989, 1060, 1024 (2),<br>988 (2), 1065, 2841<br>(9), 3977 (16)                    | 329, 338, 347      |
| 609                                 | $2^5 : S_3 : S_3 : 2$                                   | 2304  | 103950 | 994, 1056, 1025,<br>1024, 982, 1064, 987,<br>2842 (9), 3978 (16)                 | 329                |
| 610                                 | $2^5 : S_3 : S_3 : 2$                                   | 2304  | 51975  | 1063, 1055, 983 (2),<br>1056 (2), 1060, 2843<br>(9), 3979 (16)                   | 329, 341, 346      |
| 611                                 | $A_4 \times 2 \times 2 \times 2 : S_3 \cdot 2 \times 2$ | 2304  | 51975  | 1059, 1055, 1025 (2),<br>984 (2), 1065, 2844<br>(9), 3980 (16)                   | 329, 340, 348      |
| 612                                 | $2^5 \cdot S_3 : S_3 : 2$                               | 2304  | 51975  | 1055, 1066, 1049,<br>2845 (9), 3981 (16)   | 330, 346, 348      |
| 613                                 | $2^4 \times 4 : S_3 : S_3$                              | 2304  | 51975  | 1078 (2), 1068, 1060,<br>1082 (2), 1049, 1332<br>(6), 3982 (16)                  | 331, 346, 347      |
| 614                                 | $2^6 : S_3 : S_3$                                       | 2304  | 103950 | 1078, 1069, 1061,<br>1084, 1088, 1057,<br>1081, 1333 (3), 1334<br>(3), 3983 (16) | 331                |
| 615                                 | $2^4 \times 4 : S_3 : S_3$                              | 2304  | 103950 | 1082, 1067, 1062,<br>1083, 1088, 1057,<br>1079, 1335 (3), 1336<br>(3), 3984 (16) | 331                |
| 616                                 | $2^4 : S_3 : S_3 : 2 \times 2$                          | 2304  | 51975  | 1064 (2), 1071 (2),<br>1070, 1049, 1065,<br>2846 (9), 3985 (16)                  | 332, 347, 348      |
| 617                                 | $2^5 : S_3 : S_3 \cdot 2$                               | 2304  | 51975  | 1070, 1055, 1052,<br>2847 (9), 3986 (16)   | 333, 341, 348      |
| 618                                 | $2^4 \times 4 : S_3 : S_3$                              | 2304  | 51975  | 1087 (2), 989, 1092<br>(2), 1068, 1070, 1337<br>(6), 1604 (8)                    | 333, 339, 347      |
| 619                                 | $2^4 : 3 \times 2 \cdot 2 : S_3 \cdot 2$                | 2304  | 51975  | 1051, 1055, 1068,<br>2848 (9), 3987 (16)   | 333, 340, 346      |
| 620                                 | $2^5 \cdot S_3 : S_3 \cdot 2$                           | 2304  | 51975  | 1052, 1065, 1066,<br>2849 (9), 3988 (16)   | 334, 338, 348      |
| 621                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 \times 2 \cdot 2$  | 2304  | 51975  | 1050, 1065, 1068,<br>2850 (9), 3989 (16)   | 334, 340, 347      |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups   | Minimal Overgroups                               |
| 622                                 | $2^4 \times 4 : S_3 : S_3$     | 2304  | 51975  | 1085 (2), 1063, 1068, 1090 (2), 1066, 1338 (6), 1605 (8)                        | 334, 339, 346                                    |
| 623                                 | $2^5 \cdot S_3 : S_3 : 2$      | 2304  | 51975  | 1066, 1060, 1051, 2851 (9), 3990 (16)   | 335, 338, 346                                    |
| 624                                 | $2^6 : S_3 : S_3$              | 2304  | 51975  | 1086 (2), 1059, 1091 (2), 1070, 1066, 1339 (6), 1606 (8)                        | 335, 339, 348                                    |
| 625                                 | $2^5 : S_3 : S_3 : 2$          | 2304  | 51975  | 1050, 1096 (4), 1060, 1070, 2852 (9), 3991 (16)                                 | 335, 341, 347                                    |
| 626                                 | $2^{1+4} : A_4 : S_3$          | 2304  | 51975  | 1077, 1340 (6), 1341 (3), 1342 (3), 1694 (8), 1710 (4), 1711 (4)                | 336, 343, 344                                    |
| 627                                 | $2^{1+4} : (2 \times 6) : S_3$ | 2304  | 51975  | 1077, 1343, 1344 (3), 1712 (4), 1713 (4), 1714 (8), 1666 (8)                    | 336, 342, 345                                    |
| 628                                 | $2^4 \times 4 : S_3 : S_3$     | 2304  | 103950 | 1086, 996, 1092, 1083, 1090, 1080, 1089, 1345 (3), 1346 (3), 1684 (4), 1687 (4) | 339  |
| 629                                 | $2^6 : S_3 : S_3$              | 2304  | 103950 | 1084, 998, 1080, 1091, 1085, 1087, 1089, 1347 (3), 1348 (3), 1686 (4), 1685 (4) | 339  |
| 630                                 | $A_6 : S_3$                    | 2160  | 18480  | 1098, 1415 (3), 2367 (6), 2381 (6), 3156 (10), 3992 (15), 3938 (15)             | 37, 157 (3), 219 (3), 280, 351 (3), 352, 353 (3) |
| 631                                 | $A_5 : S_3 : S_3$              | 2160  | 55440  | 1101, 1097 (2), 1407 (6), 1936 (5), 2382 (6), 3157 (10)                         | 48 (2), 187, 220 (2), 354, 359, 374              |
| 632                                 | $A_5 \times S_3 : S_3$         | 2160  | 110880 | 1104, 1103, 1097, 1418 (3), 1409 (3), 1939 (5), 2383 (6), 3158 (10)             | 49, 188, 221, 224, 354                           |
| 633                                 | $S_5 \times 3 \times S_3$      | 2160  | 110880 | 1104, 1097, 1106, 1408, 1419 (3), 1940 (5), 2384 (6), 3159 (10)                 | 50, 189, 222, 225, 354                           |

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|-------------------------------------|-------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                              |
| 634                                 | $S_6 \times 3$                | 2160  | 55440  | 1098, 1415, 2385 (6),<br>2369 (6), 3160 (10),<br>3993 (15), 3994 (15)        | 67, 158, 228, 280,<br>351, 357, 358             |
| 635                                 | $A_6 \times S_3$              | 2160  | 55440  | 1098, 1442 (3), 2374<br>(6), 2373 (6), 3161<br>(10), 3995 (15), 3996<br>(15) | 125, 159, 229, 281,<br>351, 361, 362            |
| 636                                 | $A_5 \times 3 : S_3 \cdot 2$  | 2160  | 55440  | 1101, 1975 (5), 2370<br>(6), 3044 (9), 3161<br>(10)                          | 125, 190, 359, 360,<br>363                      |
| 637                                 | $A_6 \times S_3$              | 2160  | 55440  | 1112, 1442 (3), 2376<br>(6), 2375 (6), 3162<br>(10), 3997 (15), 3998<br>(15) | 126, 230, 281, 364,<br>367, 368                 |
| 638                                 | $A_5 \times 3 : S_3 \cdot 2$  | 2160  | 55440  | 1100, 1983 (5), 2370<br>(6), 3045 (9), 3162<br>(10)                          | 126, 190, 365, 366,<br>369                      |
| 639                                 | $A_6 \times S_3$              | 2160  | 18480  | 1098, 1441 (3), 2386<br>(6), 2387 (6), 3163<br>(10), 3999 (15), 4000<br>(15) | 160 (3), 234 (3), 283,<br>352, 357 (3), 362 (3) |
| 640                                 | $S_6 \times 3$                | 2160  | 18480  | 1098, 1440, 2388 (6),<br>2389 (6), 3164 (10),<br>4001 (15), 4002 (15)        | 161 (3), 235 (3), 284,<br>352, 358 (3), 361 (3) |
| 641                                 | $A_6 : S_3$                   | 2160  | 55440  | 1098, 1443 (3), 2390<br>(6), 2391 (6), 3165<br>(10), 4003 (15), 4004<br>(15) | 162, 239, 282, 353,<br>357, 361                 |
| 642                                 | $A_6 \times 3 \times 2$       | 2160  | 55440  | 1098, 1441, 2392 (6),<br>2393 (6), 3166 (10),<br>4005 (15), 4006 (15)        | 163, 240, 283, 353,<br>358, 362                 |
| 643                                 | $A_5 : S_3 : S_3$             | 2160  | 55440  | 1100, 1099 (2), 1427<br>(6), 1992 (5), 2382<br>(6), 3167 (10)                | 187, 365, 371, 375                              |
| 644                                 | $A_5 \times S_3 : S_3$        | 2160  | 110880 | 1105, 1102, 1099,<br>1449 (3), 1446 (3),<br>1993 (5), 2383 (6),<br>3168 (10) | 188, 371  |
| 645                                 | $A_5 \times 3 : 2 \times S_3$ | 2160  | 110880 | 1105, 1099, 1107,<br>1445, 1450 (3), 1994<br>(5), 2384 (6), 3169<br>(10)     | 189, 371  |

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|-------------------------------------|------------------------------|-------|--------|---|-----------------------------|
| Nr.                                 | Structure                    | Order | Length | Maximal Subgroups   | Minimal Overgroups          |
| 646                                 | $A_5 \times S_3 \times S_3$  | 2160  | 55440  | 1100, 1105 (2), 1432 (6), 1995 (5), 2394 (6), 3170 (10)             | 191, 366, 371, 373          |
| 647                                 | $A_5 \times S_3 \times S_3$  | 2160  | 55440  | 1101, 1104 (2), 1430 (6), 1996 (5), 2394 (6), 3171 (10)             | 191, 226 (2), 354, 360, 372 |
| 648                                 | $A_5 \times 3 : 2 : S_3$     | 2160  | 55440  | 1102, 1107, 1100, 1429 (6), 1436 (6), 1997 (5), 2395 (6), 3172 (10) | 192, 369, 371, 377          |
| 649                                 | $S_5 \times 3 : S_3$         | 2160  | 55440  | 1106, 1103, 1101, 1431 (6), 1433 (6), 1998 (5), 2395 (6), 3173 (10) | 192, 227 (2), 354, 363, 376 |
| 650                                 | $A_5 : S_3 : S_3$            | 2160  | 55440  | 1100, 1109 (2), 1434 (6), 1999 (5), 2396 (6), 3174 (10)             | 193, 365, 373, 377          |
| 651                                 | $A_5 : S_3 : S_3$            | 2160  | 55440  | 1101, 1108 (2), 1426 (6), 2000 (5), 2396 (6), 3175 (10)             | 193, 359, 372, 376          |
| 652                                 | $A_5 \times 3 : S_3 \cdot 2$ | 2160  | 55440  | 1100, 2001 (5), 2397 (6), 3046 (9), 3176 (10)                       | 194, 369, 373, 375          |
| 653                                 | $A_5 \times 3 : S_3 \cdot 2$ | 2160  | 55440  | 1101, 2002 (5), 2397 (6), 3047 (9), 3177 (10)                       | 194, 363, 372, 374          |
| 654                                 | $A_5 \times S_3 \times S_3$  | 2160  | 55440  | 1111 (2), 1101, 1428 (6), 2003 (5), 2398 (6), 3178 (10)             | 195, 360, 374, 376          |
| 655                                 | $A_5 \times S_3 \times S_3$  | 2160  | 55440  | 1110 (2), 1100, 1435 (6), 2004 (5), 2398 (6), 3179 (10)             | 195, 366, 375, 377          |
| 656                                 | $A_5 \times S_3 : S_3$       | 2160  | 110880 | 1110, 1109, 1102, 1462 (3), 1464 (3), 2005 (5), 2399 (6), 3180 (10) | 196, 377                    |
| 657                                 | $A_5 \times S_3 : S_3$       | 2160  | 110880 | 1111, 1103, 1108, 1461 (3), 1463 (3), 2006 (5), 2399 (6), 3181 (10) | 196, 376                    |

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|-------------------------------------|--------------------------------------|-------|--------|---|-------------------------------------|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups   | Minimal Overgroups                  |
| 658                                 | $S_5 \times 3 \times S_3$            | 2160  | 110880 | 1111, 1108, 1106, 1459, 1439 (3), 2007 (5), 2400 (6), 3182 (10)     | 197, 376                            |
| 659                                 | $A_5 \times 3 : 2 \times S_3$        | 2160  | 110880 | 1110, 1107, 1109, 1458, 1460 (3), 2008 (5), 2400 (6), 3183 (10)     | 197, 377                            |
| 660                                 | $A_6 : S_3$                          | 2160  | 18480  | 1112, 1469 (3), 2401 (6), 2402 (6), 3184 (10), 4007 (15), 4008 (15) | 236 (3), 285, 364 (3), 379, 382 (3) |
| 661                                 | $S_6 \times 3$                       | 2160  | 18480  | 1112, 1440, 2403 (6), 2379 (6), 3185 (10), 4009 (15), 4010 (15)     | 237 (3), 284, 367 (3), 379, 380 (3) |
| 662                                 | $A_6 \times S_3$                     | 2160  | 18480  | 1112, 1470 (3), 2404 (6), 2405 (6), 3186 (10), 4011 (15), 4012 (15) | 238 (3), 286, 368 (3), 379, 381 (3) |
| 663                                 | $S_6 \times 3$                       | 2160  | 55440  | 1112, 1469, 2406 (6), 2377 (6), 3187 (10), 4013 (15), 4014 (15)     | 241, 285, 364, 380, 381             |
| 664                                 | $A_6 : S_3$                          | 2160  | 55440  | 1112, 1443 (3), 2407 (6), 2408 (6), 3188 (10), 4015 (15), 4016 (15) | 242, 282, 367, 381, 382             |
| 665                                 | $A_6 \times 3 \times 2$              | 2160  | 55440  | 1112, 1470, 2378 (6), 2409 (6), 3189 (10), 4017 (15), 4018 (15)     | 243, 286, 368, 380, 382             |
| 666                                 | $A_5 \times 2 \times 2 : 3 \times 3$ | 2160  | 27720  | 1471, 1472 (2), 1452, 1781 (4), 2009 (5), 2410 (6), 3190 (10)       | 350, 355, 356, 383, 384, 385, 386   |
| 667                                 | $L_2(7) : 2 \times S_3$              | 2016  | 237600 | 1121, 1116, 1115, 1497 (3), 3008 (8), 5174 (21), 5853 (28)          | 35, 244                             |
| 668                                 | $L_2(7) \times 2 \times S_3$         | 2016  | 237600 | 1119, 1117, 1118, 1503 (3), 2586 (7), 2542 (7), 3013 (8)            | 101, 130                            |
| 669                                 | $L_2(7) \times 2 \times 2 : 3$       | 2016  | 118800 | 1502, 1817 (4), 2550 (7), 2636 (7), 3014 (8)                        | 102, 153, 209, 390                  |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups     |
| 670                                 | $L_2(7) \times 2 \times 2 : 3$      | 2016  | 59400  | 1505, 1819 (4), 2637 (14), 3014 (8)   | 153 (2), 387, 388, 391 |
| 671                                 | $2^3 : 7 \times 2 \times 2 : 3 : 3$ | 2016  | 118800 | 1506, 1511 (2), 1512, 1818 (4), 2638 (7), 3014 (8)  | 153, 392               |
| 672                                 | $3^2 : S_3 : S_3 : S_3$             | 1944  | 61600  | 1130, 1516, 1520 (3), 1822 (4), 5854 (27)   | 18, 393, 394, 395      |
| 673                                 | $3^2 \times S_3 : S_3 : S_3$        | 1944  | 246400 | 1128, 1126, 1125, 1124, 1127, 1129, 1123, 1527 (3), 1528 (3), 1529 (3)  | 248                    |
| 674                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 3$     | 1944  | 123200 | 1530, 1823 (4), 3191 (9)  | 249, 396               |
| 675                                 | $3 : S_3 : S_3 : 3 : S_3$           | 1944  | 123200 | 1131, 1531, 1532 (3), 1823 (4), 5848 (27)   | 249, 398               |
| 676                                 | $3 : S_3 : S_3 : 3 : S_3$           | 1944  | 61600  | 1130, 1533, 1534 (3), 1823 (4), 5855 (27)   | 249, 393, 397, 399     |
| 677                                 | $3 : S_3 : S_3 : 3 : S_3$           | 1944  | 61600  | 1130, 1517 (6), 1535 (3), 1536 (3), 1824 (4), 5856 (27)   | 393, 400, 401          |
| 678                                 | $3 : S_3 : S_3 : 3 : S_3$           | 1944  | 61600  | 1130, 1518 (6), 1537 (3), 1538 (3), 1825 (4), 5857 (27)   | 394, 399, 401          |
| 679                                 | $3 : S_3 : S_3 : 3 \times S_3$      | 1944  | 61600  | 1130, 1539, 1540 (3), 1826 (4), 5858 (27)   | 394, 397, 400          |
| 680                                 | $3 : S_3 : S_3 : 3 \times 3 : 2$    | 1944  | 61600  | 1130, 1519 (2), 1541, 1542, 1827 (4), 5859 (27)   | 395, 397, 401          |
| 681                                 | $3^2 : S_3 : S_3 : S_3$             | 1944  | 61600  | 1130, 1543, 1544 (3), 1828 (4), 5860 (27)   | 395, 399, 400          |
| 682                                 | $3 : S_3 : S_3 : 3 : S_3$           | 1944  | 123200 | 1131, 1545 (6), 1546 (3), 1547 (3), 1825 (4), 5861 (27)   | 398                    |
| 683                                 | $3^2 : S_3 : S_3 : S_3$             | 1944  | 123200 | 1131, 1548, 1549 (3), 1828 (4), 5862 (27)   | 398                    |
| 684                                 | $2^4 : A_5 : 2$                     | 1920  | 62370  | 1165, 2084 (5), 2485 (6), 3346 (10), 4925 (16)  | 10, 402, 403, 404      |
| 685                                 | $S_5 \times (D_8 \times 2)$         | 1920  | 249480 | 1141, 1151, 1134, 1135, 1153, 1138, 1162, 1157, 1133, 1164, 1137, 1155, 1132, 1136, 1159, 2105 (5), 2486 (6), 3388 (10) | 88, 199, 287, 288, 296 |

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|-------------------------------------|-------------------------------------|-------|--------|---|-------------------------------------|
| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups                  |
| 686                                 | $D_8 \times (A_5 : 2 \times 2)$     | 1920  | 249480 | 1147, 1149, 1163, 1150, 1142, 1154, 1161, 1145, 1158, 1152, 1146, 1156, 1144, 1160, 1148, 2135 (5), 2486 (6), 3389 (10) | 199, 297, 298                       |
| 687                                 | $2^4 : A_5 \times 2$                | 1920  | 62370  | 1165, 2136 (5), 2487 (6), 3390 (10), 4922 (16)  | 200, 402, 407, 409                  |
| 688                                 | $2^5 : A_5$                         | 1920  | 62370  | 2137 (5), 2487 (6), 3391 (10), 4924 (32), 4932 (32)   | 200, 405, 406, 408                  |
| 689                                 | $2^4 : A_5 : 2$                     | 1920  | 62370  | 1165, 2138 (5), 2488 (6), 3392 (10), 4921 (16)  | 402, 410, 411                       |
| 690                                 | $2^4 : A_5 \times 2$                | 1920  | 62370  | 1165, 2139 (5), 2489 (6), 3393 (10), 4930 (16)  | 403, 407, 411                       |
| 691                                 | $2^4 : A_5 : 2$                     | 1920  | 62370  | 1165, 2140 (5), 2490 (6), 3394 (10), 4929 (16)  | 403, 409, 410                       |
| 692                                 | $2^4 : A_5 : 2$                     | 1920  | 62370  | 1165, 2141 (5), 2491 (6), 3395 (10), 4928 (16)  | 404, 409, 411                       |
| 693                                 | $2^4 : A_5 \times 2$                | 1920  | 62370  | 1165, 2142 (5), 2492 (6), 3396 (10), 4927 (16)  | 404, 407, 410                       |
| 694                                 | $A_6 \times 5$                      | 1800  | 33264  | 2380, 2497 (6), 2498 (6), 3836 (10), 4933 (15), 4934 (15)   | 198, 412, 413, 414                  |
| 695                                 | $A_4 \times 2 \times 2 : S_3 : S_3$ | 1728  | 69300  | 1216, 1174 (2), 1617 (3), 1601 (6), 1936 (8)  | 65 (2), 220 (2), 273, 418, 419, 424 |
| 696                                 | $2^3 \times S_3 \times S_3 : S_3$   | 1728  | 138600 | 1173 (2), 1186, 1172 (2), 1170 (2), 1171 (2), 1168, 1189, 1169, 1203, 1202, 1167, 1599 (6), 1646 (3), 1966 (4)          | 66 (2), 112, 141 (2), 423           |

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| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups  | Minimal Overgroups     |
| 697                                 | $2^3 \times 6 : S_3 : S_3$                   | 1728  | 69300  | 1227 (2), 1216, 1600, 1662 (6), 5043 (16)  | 67, 270, 419, 420, 421 |
| 698                                 | $A_4 \times 2 \times 2 : S_3 : S_3$          | 1728  | 138600 | 1226, 1174, 1224, 1683 (3), 1626 (3), 1602 (3), 1664 (6), 1939 (4), 1998 (4)                                   | 68, 224, 227, 276, 418 |
| 699                                 | $A_4 \times 2 \times 2 : S_3 \times S_3$     | 1728  | 138600 | 1174, 1225, 1226, 1603, 1682 (3), 1629 (3), 1996 (4), 1940 (4)   | 69, 225, 226, 279, 418 |
| 700                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$ | 1728  | 138600 | 1178, 1177, 1168, 1179, 1175, 1180, 1176, 1615 (3), 1943 (4), 3397 (9)   | 111 (2), 423           |
| 701                                 | $2^3 : S_3 \times S_3 \times S_3$            | 1728  | 138600 | 1182 (2), 1230, 1231, 1232, 1183 (2), 1217, 1187, 1233 (2), 1234 (2), 1181, 1188, 1618 (6), 1646 (3), 1976 (4) | 112, 422               |
| 702                                 | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$    | 1728  | 138600 | 1184, 1175, 1167, 1235, 1191, 1200, 1204, 1648 (3), 1963 (4), 3336 (9)   | 113, 138, 423          |
| 703                                 | $S_3 \times 2^2 \times S_3 : 2 : S_3$        | 1728  | 138600 | 1185, 1213, 1181, 1208, 1190, 1236, 1237, 1648 (3), 1972 (4), 3337 (9)   | 113, 144, 422          |
| 704                                 | $2^2 \times 6 : S_3 \cdot 2 : S_3$           | 1728  | 138600 | 1238, 1239, 1188, 1185, 1210, 1215, 1192, 1657 (3), 1974 (4), 3339 (9)   | 114, 148, 422          |
| 705                                 | $2^2 \times 6 : S_3 \cdot 2 : S_3$           | 1728  | 138600 | 1184, 1206, 1189, 1212, 1193, 1179, 1240, 1657 (3), 1971 (4), 3338 (9)   | 114, 145, 423          |
| 706                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$ | 1728  | 138600 | 1241, 1180, 1207, 1184, 1195, 1186, 1211, 1658 (3), 1970 (4), 3340 (9)   | 115, 147, 423          |
| 707                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$ | 1728  | 138600 | 1194, 1187, 1209, 1185, 1242, 1243, 1214, 1658 (3), 1973 (4), 3341 (9)   | 115, 146, 422          |

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| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 708                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$ | 1728  | 138600 | 1193, 1186, 1218, 1191, 1244, 1177, 1245, 1715 (3), 1977 (4), 3342 (9)   | 116, 423           |
| 709                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$ | 1728  | 138600 | 1192, 1219, 1246, 1247, 1248, 1187, 1190, 1715 (3), 1978 (4), 3343 (9)   | 116, 422           |
| 710                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$ | 1728  | 138600 | 1249, 1178, 1220, 1195, 1193, 1167, 1250, 1716 (3), 1979 (4), 3344 (9)   | 117, 423           |
| 711                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$ | 1728  | 138600 | 1251, 1221, 1252, 1181, 1192, 1194, 1253, 1716 (3), 1980 (4), 3345 (9)   | 117, 422           |
| 712                                 | $2^3 : S_3 \times S_3 \times S_3$            | 1728  | 138600 | 1198 (2), 1197 (2), 1189, 1254 (2), 1222, 1255, 1191, 1256 (2), 1257, 1176, 1195, 1624 (6), 1717 (3), 1981 (4) | 118, 423           |
| 713                                 | $2^3 : S_3 \times S_3 \times S_3$            | 1728  | 138600 | 1258 (2), 1259 (2), 1190, 1196 (2), 1223, 1260, 1188, 1199 (2), 1261, 1262, 1194, 1625 (6), 1717 (3), 1982 (4) | 118, 422           |
| 714                                 | $D_{12} \times S_3 : 2 \times 2 : S_3$       | 1728  | 138600 | 1200, 1222, 1168, 1218, 1220, 1206, 1207, 1655 (3), 1964 (4), 3398 (9)   | 139, 231 (2), 423  |
| 715                                 | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$    | 1728  | 138600 | 1245, 1169, 1200, 1211, 1257, 1178, 1212, 1656 (3), 1965 (4), 3399 (9)   | 140, 423           |
| 716                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$ | 1728  | 138600 | 1211, 1204, 1202, 1206, 1244, 1249, 1176, 1649 (3), 1968 (4), 3400 (9)   | 142, 423           |

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|-------------------------------------|--|-------|--------|--|-----------------------------|
| Nr.                                 | Structure                                      | Order | Length | Maximal Subgroups  | Minimal Overgroups          |
| 717                                 | $A_4 \times 2 \times S_3 \times S_3 : 2$       | 1728  | 138600 | 1250, 1207, 1203, 1255, 1204, 1177, 1212, 1650, 1969 (4), 3401 (9)     | 143, 423                    |
| 718                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$   | 1728  | 138600 | 1210, 1217, 1209, 1223, 1208, 1219, 1221, 1659 (3), 1984 (4), 3402 (9) | 149, 233 (2), 422           |
| 719                                 | $A_4 \times S_3 \times S_3 : 2 \times 2$       | 1728  | 138600 | 1213, 1260, 1232, 1246, 1252, 1215, 1209, 1647, 1985 (4), 3403 (9)     | 150, 422                    |
| 720                                 | $3 : S_3 \cdot 2 \times 2 \times 2 : 2 : S_3$  | 1728  | 138600 | 1247, 1213, 1230, 1261, 1214, 1253, 1210, 1651 (3), 1986 (4), 3404 (9) | 151, 422                    |
| 721                                 | $2^2 \times 6 : S_3 \cdot 2 : S_3$             | 1728  | 138600 | 1248, 1262, 1231, 1208, 1214, 1215, 1251, 1660 (3), 1987 (4), 3405 (9) | 152, 422                    |
| 722                                 | $A_4 \times 2 \times 2 \times S_3 : S_3$       | 1728  | 69300  | 1224, 1216, 1225, 1697 (6), 1680 (6), 1668 (3), 1939 (8)               | 221 (2), 276, 418, 420, 425 |
| 723                                 | $2^3 \times 6 : S_3 : S_3$                     | 1728  | 69300  | 1216, 1226 (2), 1667, 1681 (6), 1940 (8)                               | 222 (2), 279, 418, 421, 426 |
| 724                                 | $2^3 \times 6 : S_3 : S_3$                     | 1728  | 138600 | 1228, 1224, 1227, 1691 (3), 1690 (6), 1693 (3), 1718 (3), 5044 (16)    | 272, 420                    |
| 725                                 | $A_4 \times 2 \times 2 : S_3 \cdot S_3$        | 1728  | 69300  | 1216, 1607 (3), 3406 (9), 5045 (16)                                    | 274, 419, 425, 426          |
| 726                                 | $2^4 : 3 : S_3 \times S_3$                     | 1728  | 138600 | 1228, 1225, 1227, 1695, 1719 (3), 1696 (3), 5046 (16)                  | 275, 420                    |
| 727                                 | $2^4 : 3 : S_3 : S_3$                          | 1728  | 69300  | 1228 (2), 1216, 1612 (3), 1700 (6), 5047 (16)                          | 277, 420, 424, 426          |
| 728                                 | $A_4 \times 3 \times 2 \times 2 : S_3 \cdot 2$ | 1728  | 69300  | 1216, 1720, 3407 (9), 5048 (16)  | 278, 421, 424, 425          |
| 729                                 | $2^6 : 3 \cdot 3 : 3$                          | 1728  | 46200  | 1721 (3), 1722, 9098 (64)  | 313, 429 (3)                |
| 730                                 | $2^4 : 3 \times 2 \times 2 : 3 : 3$            | 1728  | 23100  | 1723 (3), 1722, 9099 (64)  | 313, 427, 430 (3), 433 (3)  |

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|-------------------------------------|--|-------|--------|---|--|
| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups   | Minimal Overgroups                                     |
| 731                                 | $2^6 : 3 : 3 : 3$                            | 1728  | 5775   | 1724 (6), 1722 (4),<br>1725 (3), 2009 (12)  | 313 (4), 428 (6), 431<br>(6), 432, 434 (3), 435<br>(3) |
| 732                                 | $2^3 \times S_3 \times S_3 : S_3$            | 1728  | 138600 | 1236, 1243, 1232,<br>1239, 1253, 1219,<br>1262, 1598 (3), 2010<br>(4), 3408 (9)                                     | 422  |
| 733                                 | $2^3 \times S_3 \times S_3 : S_3$            | 1728  | 138600 | 1242, 1239, 1260,<br>1237, 1221, 1231,<br>1247, 1726 (3), 2011<br>(4), 3409 (9)                                     | 422  |
| 734                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$ | 1728  | 138600 | 1237, 1243, 1246,<br>1238, 1261, 1217,<br>1251, 1727 (3), 2012<br>(4), 3410 (9)                                     | 422  |
| 735                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$ | 1728  | 138600 | 1242, 1236, 1252,<br>1238, 1223, 1230,<br>1248, 1728 (3), 2013<br>(4), 3411 (9)                                     | 422  |
| 736                                 | $2^3 \times S_3 \times S_3 : S_3$            | 1728  | 138600 | 1235, 1180, 1203,<br>1240, 1249, 1218,<br>1257, 1729 (3), 2014<br>(4), 3412 (9)                                     | 423  |
| 737                                 | $S_3 \times S_3 : 2 \times 2 \times 2 : S_3$ | 1728  | 138600 | 1222, 1202, 1250,<br>1179, 1241, 1235,<br>1245, 1730 (3), 2015<br>(4), 3413 (9)                                     | 423  |
| 738                                 | $2^3 \times S_3 \times S_3 : S_3$            | 1728  | 138600 | 1220, 1169, 1255,<br>1175, 1241, 1240,<br>1244, 1731 (3), 2016<br>(4), 3414 (9)                                     | 423  |
| 739                                 | $L_2(7) \times 5 : 2$                        | 1680  | 142560 | 1264, 2428 (5), 3048<br>(7), 3030 (7), 3279<br>(8)  | 119, 209, 436  |
| 740                                 | $S_5 \times (D_{14})$                        | 1680  | 95040  | 1266, 1267, 1265,<br>2434 (5), 2823 (6),<br>3049 (7), 3864 (10)   | 318  |
| 741                                 | $5^2 : 2 : 2 : 2 : 2 \cdot 2 \times 2$       | 1600  | 299376 | 1274, 1271, 1270,<br>1269, 1273, 1268,<br>1272, 6245 (25)   | 70   |
| 742                                 | $2^{1+4} : 2^3 : S_3$                        | 1536  | 155925 | 1278, 1277 (2), 1276<br>(2), 1301 (2), 1302<br>(2), 1349, 1350,<br>1293, 1298, 1300,<br>1275, 1784 (3), 2089<br>(4) | 38, 250 (2), 438                                       |

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|-------------------------------------|--|-------|--------|---|--------------------|
| Nr.                                 | Structure  | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 743                                 | $2^{1+4} : D_8 : S_3$                            | 1536  | 155925 | 1326, 1279, 1275,<br>1322, 1290, 1351,<br>1285, 1785 (3), 2092<br>(4)                 | 39, 122, 327, 438  |
| 744                                 | $2^{1+4} : 2^3 : S_3$                            | 1536  | 51975  | 1278 (3), 1280 (3),<br>1352 (3), 1353 (3),<br>1330, 1329, 1290,<br>1786 (3), 2096 (4) | 41, 328, 438 (3)   |
| 745                                 | $2^{1+4} : D_8 : S_3$                            | 1536  | 155925 | 1280, 1354, 1275,<br>1355, 1356, 1357,<br>1294, 1787 (3), 2097<br>(4)                 | 42, 438            |
| 746                                 | $2^{1+4} : (2 \times 4) : S_3$                   | 1536  | 155925 | 1358, 1279, 1278,<br>1359, 1294, 1360,<br>1361, 1788 (3), 2099<br>(4)                 | 43, 438            |
| 747                                 | $2^{1+4} : D_8 : S_3$                            | 1536  | 155925 | 1279, 1362, 1293,<br>1363, 1364, 1365,<br>1280, 1789 (3), 2102<br>(4)                 | 44, 438            |
| 748                                 | $D_8 \times 2^2 \cdot 2 : 2 : 2 : S_3$           | 1536  | 155925 | 1296, 1284, 1281,<br>1785 (3), 2143 (4),<br>2119 (4), 2144 (4)                        | 82, 122, 439       |
| 749                                 | $2^2 \times 4 \cdot 2 : 2 : 2 : 2 : S_3$         | 1536  | 155925 | 1299, 1366, 1281,<br>1790 (3), 2145 (4),<br>2146 (4), 2147 (4)                        | 83, 439            |
| 750                                 | $2 \times 4 : 2 : 2 \times 2 : 2 : 3 : 2 : 2$    | 1536  | 155925 | 1281, 1367, 1297,<br>1796, 2148 (4), 2149<br>(4), 2150 (8), 2151<br>(4)               | 84, 439            |
| 751                                 | $2^{1+4} : 2^3 : S_3$                            | 1536  | 155925 | 1353, 1285, 1298,<br>1362, 1354, 1368,<br>1358, 1797 (3), 2121<br>(4)                 | 123, 438           |
| 752                                 | $2 \times 4 : 2 : 2 \times 2 \times 2 : 2 : S_3$ | 1536  | 155925 | 1366, 1284, 1297,<br>1797 (3), 2152 (4),<br>2120 (4), 2153 (4)                        | 123, 439           |
| 753                                 | $D_8 \times 2^2 : 2 : 2 : 2 : S_3$               | 1536  | 155925 | 1299, 1284, 1367,<br>1798 (3), 2154 (4),<br>2122 (4), 2155 (4)                        | 124, 439           |
| 754                                 | $2^{1+4} : D_8 : S_3$                            | 1536  | 155925 | 1300, 1360, 1356,<br>1365, 1369, 1352,<br>1285, 1798 (3), 2123<br>(4)                 | 124, 438           |

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|-------------------------------------|--|-------|--------|--|--------------------|
| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 755                                 | $2^{1+4} : 2^3 : S_3$                    | 1536  | 155925 | 1325, 1305, 1310, 1370, 1288, 1324, 1371, 1785 (3), 2126 (4)   | 180, 327, 440      |
| 756                                 | $2^{1+4} : (A_4 \times 2 \times 2)$      | 1536  | 155925 | 1372, 1305, 1320, 1331, 1289, 1373, 1328, 1786, 2127 (4)   | 182, 328, 440      |
| 757                                 | $2^5 : 2 \cdot 2 \times 2 : S_3$         | 1536  | 155925 | 1289, 1374, 1310, 1375, 1376, 1377, 1318, 1790 (3), 2128 (4)   | 183, 440           |
| 758                                 | $2^5 : 2 \cdot 2 \times 2 : S_3$         | 1536  | 155925 | 1289, 1378, 1314, 1379, 1380, 1381, 1288, 1791 (3), 2129 (4)   | 185, 440           |
| 759                                 | $D_8 \times (D_8 \times 2^2) : S_3$      | 1536  | 155925 | 1382, 1318, 1320, 1383, 1288, 1384, 1385, 1792 (3), 2130 (4)   | 186, 440           |
| 760                                 | $2^{1+4} \times D_8 : S_3$               | 1536  | 155925 | 1342, 1293, 1344, 1369, 1294, 1368, 1290, 1799 (3), 2156 (8), 2094 (4)   | 201 (2), 336, 438  |
| 761                                 | $D_8 \times (2^3 \cdot 2 : 2) : S_3$     | 1536  | 311850 | 1291, 1309, 1295, 1312, 1321, 1313, 1292, 1336, 1317, 1335, 1315, 1333, 1334, 1307, 1332, 1799 (3), 2156 (4)   | 201, 331, 337      |
| 762                                 | $2^2 \times 4 \cdot 2 : 2 : 2 : 2 : S_3$ | 1536  | 155925 | 1296, 1299, 1297, 1800 (3), 2157 (4), 2158 (4), 2159 (4)   | 251 (2), 439       |
| 763                                 | $2^{1+4} : 2^3 : S_3$                    | 1536  | 155925 | 1305, 1386, 1318, 1387 (2), 1311 (2), 1388, 1314, 1389 (2), 1308 (2), 1341, 1343, 1799 (3), 2160 (4)   | 336, 337 (2), 440  |
| 764                                 | $D_8 \times (D_8 \times 2^2) : S_3$      | 1536  | 155925 | 1319 (2), 1390 (2), 1391 (2), 1347 (2), 1345 (2), 1339 (2), 1338 (2), 1392, 1393, 1394, 1395, 1346 (2), 1348 (2), 1337 (2), 1283 (2), 1316 (2), 1320, 1314, 1310, 1796 (3), 2161 (4) | 339 (2), 440       |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 765                                 | $2^{1+4} : 2^3 : S_3$          | 1536  | 155925 | 1331, 1377, 1384, 1396 (2), 1397 (2), 1378, 1392, 1398 (2), 1399 (2), 1324, 1343, 1801 (3), 2162 (4) | 342, 440           |
| 766                                 | $2^{1+4} \times D_8 : S_3$     | 1536  | 155925 | 1322, 1349, 1344, 1357, 1360, 1362, 1330, 1801 (3), 2163 (8), 2164 (4)                               | 342, 438           |
| 767                                 | $2^{1+4} : D_8 : S_3$          | 1536  | 155925 | 1330, 1354, 1300, 1342, 1326, 1363, 1359, 1802 (3), 2165 (4)   | 343, 438           |
| 768                                 | $2^{1+4} : 2^3 : S_3$          | 1536  | 155925 | 1331, 1374, 1394, 1341, 1325, 1381, 1383, 1802 (3), 2166 (4)   | 343, 440           |
| 769                                 | $2^{1+4} : 2^3 : S_3$          | 1536  | 311850 | 1323, 1340, 1327, 1803 (3), 2087 (4), 2167 (4), 2168 (4)   | 344                |
| 770                                 | $2^{1+4} : 2^3 : S_3$          | 1536  | 155925 | 1328, 1379, 1393, 1324, 1341, 1375, 1385, 1803 (3), 2169 (4)   | 344, 440           |
| 771                                 | $2^{1+4} : 2^3 : S_3$          | 1536  | 155925 | 1329, 1365, 1350, 1322, 1342, 1355, 1358, 1803 (3), 2170 (4)   | 344, 438           |
| 772                                 | $2^{1+4} : 2^3 : S_3$          | 1536  | 51975  | 1395 (3), 1380 (3), 1376 (3), 1382 (3), 1328, 1325, 1343, 1804 (3), 2171 (4)                         | 345, 440 (3)       |
| 773                                 | $2^{1+4} : (D_8 \times 6)$     | 1536  | 155925 | 1329, 1364, 1298, 1326, 1344, 1356, 1361, 1804, 2172 (4)   | 345, 438           |
| 774                                 | $2^{1+4} : D_8 : S_3$          | 1536  | 155925 | 1359, 1364, 1349, 1355, 1368, 1351, 1352, 1805 (3), 2173 (4)   | 438                |
| 775                                 | $2^{1+4} : (2 \times 4) : S_3$ | 1536  | 155925 | 1361, 1369, 1350, 1351, 1363, 1357, 1353, 1806 (3), 2174 (4)   | 438                |

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| Nr.                                 | Structure  | Order | Length | Maximal Subgroups   | Minimal Overgroups                               |
| 776                                 | $D_8 \times (D_8 \times 2) : 2 : S_3$              | 1536  | 155925 | 1296, 1366, 1367, 1807 (3), 2175 (4), 2176 (4), 2177 (4)              | 439  |
| 777                                 | $D_8 \times 2 : 2 \times 2 \cdot 2 \times 2 : S_3$ | 1536  | 155925 | 1373, 1380, 1392, 1370, 1388, 1375, 1383, 1808 (3), 2178 (4)          | 440  |
| 778                                 | $2^2 \times 4 : 2 : 2 \cdot 2 \times 2 : S_3$      | 1536  | 155925 | 1372, 1386, 1393, 1377, 1381, 1370, 1382, 1809 (3), 2179 (4)          | 440  |
| 779                                 | $2^2 \times 4 : 2 : 2 \cdot 2 \times 2 : S_3$      | 1536  | 155925 | 1372, 1388, 1395, 1374, 1378, 1371, 1385, 1810 (3), 2180 (4)          | 440  |
| 780                                 | $D_8 \times 2 : 2 \times 2 \cdot 2 \times 2 : S_3$ | 1536  | 155925 | 1373, 1376, 1394, 1386, 1371, 1379, 1384, 1811 (3), 2181 (4)          | 440  |
| 781                                 | $L_2(8) : 3$                                       | 1512  | 52800  | 1821, 3865 (9), 7183 (28), 7817 (36)                                  | 37, 349, 441 (3)                                 |
| 782                                 | $L_2(8) \times 3$                                  | 1512  | 52800  | 1821, 3866 (9), 7184 (28), 7820 (36)                                  | 349, 442   |
| 783                                 | $L_2(8) : 3$                                       | 1512  | 105600 | 1821, 3867 (9), 7185 (28), 7821 (36)                                  | 349  |
| 784                                 | $A_6 : 2 : 2$                                      | 1440  | 166320 | 1400, 1473, 1474, 3936 (10), 7832 (36), 8089 (45)                     | 6, 52 (2), 443                                   |
| 785                                 | $A_6 : 2 : 2$                                      | 1440  | 166320 | 1400, 1475, 1476, 4019 (10), 7833 (36), 8090 (45)                     | 7, 443   |
| 786                                 | $M_{10} \times 2$                                  | 1440  | 166320 | 1477, 1400, 1478, 4020 (10), 7834 (36), 8091 (45)                     | 8, 443   |
| 787                                 | $S_6 \times 2$                                     | 1440  | 332640 | 1401, 1403, 1406, 3016 (6), 3017 (6), 3930 (10), 5175 (15), 5176 (15) | 19, 122  |
| 788                                 | $S_6 : 2$  | 1440  | 332640 | 1402, 1404, 1405, 3937 (10), 7832 (36), 8092 (45)                     | 19, 52   |
| 789                                 | $A_5 \times 2 \times 2 : S_3$                      | 1440  | 27720  | 1452, 1876 (3), 2367 (4), 2639 (5), 3050 (6), 3938 (10)               | 37, 219 (3), 260 (3), 350, 444 (3), 445, 446 (3) |

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|-------------------------------------|------------------------------------|-------|--------|---|---|
| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups   | Minimal Overgroups                          |
| 790                                 | $S_5 \times 2 \times S_3$          | 1440  | 83160  | 1410, 1417 (2), 1407 (2), 1422, 1416, 1830 (3), 2506 (5), 3036 (6), 4021 (10)     | 56, 95 (2), 169 (2), 447, 448, 451          |
| 791                                 | $S_5 \times 2 \times S_3$          | 1440  | 166320 | 1419, 1418, 1408, 1430, 1431, 1407, 1409, 1831 (3), 2507 (5), 3041 (6), 4022 (10) | 57, 96, 173, 223 (2), 287 (2), 354 (2), 447 |
| 792                                 | $S_5 \times 2 \times S_3$          | 1440  | 166320 | 1420, 1407, 1438, 1437, 1409, 1421, 1411, 1832 (3), 2508 (5), 3043 (6), 4023 (10) | 58, 97, 177, 447                            |
| 793                                 | $A_5 \times 2 \times 2 : S_3$      | 1440  | 27720  | 1410 (3), 1479 (3), 1471, 1833 (3), 2509 (5), 3051 (6), 4024 (10)                 | 59, 355, 448 (3), 449 (3), 450              |
| 794                                 | $A_5 \times 2 \times 2 : S_3$      | 1440  | 83160  | 1480 (2), 1409 (2), 1481, 1482, 1410, 1834 (3), 2510 (5), 3052 (6), 4025 (10)     | 60, 447, 449, 453                           |
| 795                                 | $S_5 \times 2 \times S_3$          | 1440  | 83160  | 1483, 1484, 1408, 1485, 1486, 1410, 1411, 1835 (3), 2511 (5), 3053 (6), 4026 (10) | 61, 447, 450, 452                           |
| 796                                 | $A_5 \times 2 \cdot 2 : S_3$       | 1440  | 83160  | 1487, 1410, 1488, 1836 (3), 2512 (5), 3054 (6), 4027 (10)                         | 62, 448, 452, 453                           |
| 797                                 | $A_5 \times 2 \cdot 2 : S_3$       | 1440  | 83160  | 1489, 1490, 1410, 1837 (3), 2513 (5), 3055 (6), 4028 (10)                         | 63, 449, 451, 452                           |
| 798                                 | $S_5 \times 2 \times S_3$          | 1440  | 83160  | 1491, 1411 (2), 1492 (2), 1493, 1410, 1838 (3), 2514 (5), 3056 (6), 4029 (10)     | 64, 450, 451, 453                           |
| 799                                 | $D_{20} \times 2 \cdot S_3 : S_3$  | 1440  | 166320 | 1444, 1448, 1412, 1839 (3), 1859 (3), 2382 (4), 2512 (5)                          | 72, 220, 454                                |
| 800                                 | $D_{20} \times 2 \times S_3 : S_3$ | 1440  | 166320 | 1412, 1414, 1468, 1413, 1494, 1495, 1466, 1842 (3), 1894 (3), 2394 (4), 2511 (5)  | 73, 226, 454                                |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 801                                 | $2 \times 10 : 3 : 2 \cdot 2 : S_3$ | 1440  | 166320 | 1465, 1412, 1467, 1843 (3), 1856 (6), 1895 (3), 2395 (4), 2513 (5)                | 74, 227, 454  |
| 802                                 | $S_6 \times 2$                      | 1440  | 41580  | 1442, 1415 (2), 3024 (6), 3057 (6), 4030 (10), 5177 (15), 5178 (15)               | 85 (2), 206 (2), 351 (4), 455, 456, 457, 477, 481, 483, 486 |
| 803                                 | $S_6 \times 2$                      | 1440  | 13860  | 1441, 1440, 1415, 3058 (6), 3025 (6), 4031 (10), 5179 (15), 5180 (15)             | 86, 207 (4), 352 (4), 358 (4), 456 (6), 460 (3)             |
| 804                                 | $S_6 \times 2$                      | 1440  | 83160  | 1441, 1443, 1415, 3059 (6), 3026 (6), 4032 (10), 5181 (15), 5182 (15)             | 87, 208 (2), 353 (2), 357 (2), 456, 457, 459                |
| 805                                 | $S_6 \times 2$                      | 1440  | 41580  | 1442, 1469, 1415, 3027 (6), 3060 (6), 4033 (10), 5183 (15), 5184 (15)             | 89, 455, 458, 459, 460, 461, 462, 463                       |
| 806                                 | $S_6 \times 2$                      | 1440  | 41580  | 1470, 1443, 1415, 3028 (6), 3061 (6), 4034 (10), 5185 (15), 5186 (15)             | 90, 457 (2), 460, 463 (2)                                   |
| 807                                 | $S_5 \times 2 \times S_3$           | 1440  | 83160  | 1420 (2), 1482, 1416, 1485, 1418 (2), 1832 (3), 2537 (5), 3062 (6), 4035 (10)     | 98 (2), 447, 501, 514                                       |
| 808                                 | $S_5 \times (2 \times 6)$           | 1440  | 83160  | 1416, 1421 (2), 1419 (2), 1481, 1486, 1831, 2539 (5), 3063 (6), 4036 (10)         | 99 (2), 447, 502, 515                                       |
| 809                                 | $S_5 \times 2 \times S_3$           | 1440  | 166320 | 1420, 1480, 1419, 1437, 1417, 1431, 1483, 1835 (3), 2541 (5), 3039 (6), 4037 (10) | 100, 170, 447   |
| 810                                 | $S_5 \times 2 \times S_3$           | 1440  | 166320 | 1438, 1418, 1484, 1430, 1421, 1480, 1417, 1834 (3), 2543 (5), 3040 (6), 4038 (10) | 101, 171, 447   |

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|-------------------------------------|------------------------------------|-------|--------|---|--------------------------------------|
| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups   | Minimal Overgroups                   |
| 811                                 | $S_5 \times A_4$                   | 1440  | 83160  | 1452, 1833, 2369 (4),<br>2551 (5), 3064 (6),<br>4039 (10)                                     | 102, 228, 255, 355,<br>444, 464, 465 |
| 812                                 | $A_5 \times 2 \times 2 : S_3$      | 1440  | 83160  | 1452, 1897 (3), 2373<br>(4), 2551 (5), 3031<br>(6), 3996 (10)                                 | 125, 229, 255, 356,<br>444, 468, 470 |
| 813                                 | $A_5 \times 2 \times 2 : S_3$      | 1440  | 83160  | 1457, 1897 (3), 2375<br>(4), 2550 (5), 3030<br>(6), 3995 (10)                                 | 125, 209 (2), 230,<br>466, 467, 469  |
| 814                                 | $A_5 \times 2 \times 2 : S_3$      | 1440  | 83160  | 1456, 1896 (3), 2376<br>(4), 2552 (5), 3030<br>(6), 3997 (10)                                 | 126, 230, 471, 474,<br>476           |
| 815                                 | $A_5 \times 2 \times 2 : S_3$      | 1440  | 83160  | 1451, 1896 (3), 2374<br>(4), 2553 (5), 3031<br>(6), 3998 (10)                                 | 126, 229, 472, 473,<br>475           |
| 816                                 | $A_5 \times 2 \times 2 \times S_3$ | 1440  | 83160  | 1422, 1430 (2), 1437<br>(2), 1485, 1481, 1913<br>(3), 2580 (5), 3037<br>(6), 4037 (10)        | 170 (2), 447, 503, 516               |
| 817                                 | $S_5 \times 2 \times S_3$          | 1440  | 83160  | 1431 (2), 1438 (2),<br>1422, 1482, 1486,<br>1903 (3), 2579 (5),<br>3038 (6), 4038 (10)        | 171 (2), 447, 504, 517               |
| 818                                 | $15 : 2 : S_3 \cdot 2 \cdot 2 : 2$ | 1440  | 332640 | 1455, 1453, 1447,<br>1454, 1424, 1423,<br>1425, 2591 (5), 3906<br>(9)                         | 172, 231, 233                        |
| 819                                 | $S_5 \times 2 \times S_3$          | 1440  | 332640 | 1461, 1433, 1426,<br>1428, 1439, 1463,<br>1459, 1899 (3), 2593<br>(5), 3042 (6), 4040<br>(10) | 174, 232, 296, 376                   |
| 820                                 | $A_5 : 2 \times 2 \times S_3$      | 1440  | 332640 | 1450, 1445, 1449,<br>1432, 1427, 1429,<br>1446, 1866 (3), 2598<br>(5), 3041 (6), 4040<br>(10) | 174, 223, 298, 371                   |
| 821                                 | $A_5 : 2 \times 2 \times S_3$      | 1440  | 332640 | 1458, 1436, 1434,<br>1435, 1464, 1460,<br>1462, 1898 (3), 2597<br>(5), 3042 (6), 4041<br>(10) | 175, 232, 297, 377                   |

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| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 822                                 | $A_6 \times 2 \cdot 2$                   | 1440  | 41580  | 1442, 3045 (6), 3044 (6), 4042 (10), 5187 (15), 5188 (15)             | 190 (2), 461, 477, 478, 479, 505, 520, 522                            |
| 823                                 | $2 \cdot S_6$                            | 1440  | 41580  | 1442, 3047 (6), 3046 (6), 4043 (10), 5189 (15), 5190 (15)             | 194 (2), 462, 478, 480, 481, 510, 512, 521                            |
| 824                                 | $A_5 \times 2 \times 2 : S_3$            | 1440  | 166320 | 1472, 1897 (3), 2375 (4), 2636 (5), 3048 (6), 4044 (10)               | 209, 356, 482   |
| 825                                 | $A_6 \times 2 \times 2$                  | 1440  | 13860  | 1442 (3), 3065 (6), 3066 (6), 4045 (10), 5191 (15), 5192 (15)         | 210 (2), 370, 458, 483 (3), 484 (3), 485, 505 (3), 510 (3), 511       |
| 826                                 | $A_6 \times 2 \times 2$                  | 1440  | 41580  | 1442, 1441 (2), 3067 (6), 3068 (6), 4046 (10), 5193 (15), 5194 (15)   | 211 (2), 362 (4), 456, 459, 479, 480, 484, 488, 513                   |
| 827                                 | $S_6 \times 2$                           | 1440  | 41580  | 1442, 1440, 1443, 3069 (6), 3070 (6), 4047 (10), 5195 (15), 5196 (15) | 212 (2), 257 (4), 361 (4), 367 (4), 456, 460, 478, 485, 487, 506, 508 |
| 828                                 | $A_6 \times 2 \cdot 2$                   | 1440  | 41580  | 1442, 3071 (6), 3072 (6), 4048 (10), 5197 (15), 5198 (15)             | 213 (2), 256 (4), 461, 483, 487, 488, 507, 521, 523                   |
| 829                                 | $A_6 \times 2 \cdot 2$                   | 1440  | 41580  | 1442, 3073 (6), 3074 (6), 4049 (10), 5199 (15), 5200 (15)             | 214 (2), 258 (4), 462, 484, 486, 487, 509, 518, 520                   |
| 830                                 | $S_6 \times 2$                           | 1440  | 41580  | 1442, 1443 (2), 3075 (6), 3076 (6), 4050 (10), 5201 (15), 5202 (15)   | 215 (2), 463, 485, 486, 488, 512, 519, 522                            |
| 831                                 | $A_5 \times 2 \times 2 : S_3$            | 1440  | 83160  | 1451, 1877 (3), 2381 (4), 2640 (5), 3050 (6), 4051 (10)               | 219, 259 (2), 472, 489, 490   |
| 832                                 | $D_{20} \times 2 \times S_3 \cdot S_3$   | 1440  | 166320 | 1465, 1444, 1466, 1892 (3), 1858 (3), 2383 (4), 2641 (5)              | 221, 454  |
| 833                                 | $15 : 2 \times 2 \cdot 2 \times 2 : S_3$ | 1440  | 166320 | 1468, 1467, 1444, 1857, 1893 (3), 2384 (4), 2642 (5)                  | 222, 454  |
| 834                                 | $D_{20} \times 2 : S_3 \cdot S_3$        | 1440  | 166320 | 1465, 1448, 1468, 1860 (3), 1874 (3), 2383 (4), 2643 (5)              | 224, 454  |

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| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups                                       | Minimal Overgroups                           |
| 835                                 | $2 \times 10 : 3 : 2 \cdot 2 \times S_3$ | 1440  | 166320 | 1467, 1466, 1448, 1861, 1875 (3), 2384 (4), 2644 (5)    | 225, 454                                     |
| 836                                 | $A_5 \times 2 \times 2 : 3 : 2$          | 1440  | 83160  | 1451, 1868, 2385 (4), 2645 (5), 3064 (6), 4052 (10)     | 228, 472, 491, 492                           |
| 837                                 | $A_5 \times 2 \times 2 : S_3$            | 1440  | 27720  | 1452, 1878 (3), 2387 (4), 2646 (5), 3077 (6), 4053 (10) | 234 (3), 262 (3), 386, 445, 464 (3), 468 (3) |
| 838                                 | $A_5 \times 2 \times 2 : S_3$            | 1440  | 83160  | 1451, 1879 (3), 2386 (4), 2647 (5), 3077 (6), 4054 (10) | 234, 263 (2), 473, 489, 491                  |
| 839                                 | $S_5 \times A_4$                         | 1440  | 27720  | 1452, 1881, 2389 (4), 2646 (5), 3078 (6), 4055 (10)     | 235 (3), 262 (3), 385, 445, 465 (3), 470 (3) |
| 840                                 | $A_5 \times 2 \times 2 : 3 : 2$          | 1440  | 83160  | 1451, 1880, 2388 (4), 2648 (5), 3078 (6), 4056 (10)     | 235, 261 (2), 475, 489, 492                  |
| 841                                 | $A_5 \times 2 \times 2 : S_3$            | 1440  | 83160  | 1457, 1900 (3), 2402 (4), 2640 (5), 3079 (6), 4057 (10) | 236, 259 (2), 466, 494, 500                  |
| 842                                 | $A_5 \times 2 \times 2 : S_3$            | 1440  | 83160  | 1456, 1901 (3), 2401 (4), 2649 (5), 3079 (6), 4058 (10) | 236, 264 (2), 471, 493, 499                  |
| 843                                 | $A_5 \times 2 \times 2 : 3 : 2$          | 1440  | 83160  | 1456, 1902, 2403 (4), 2650 (5), 3080 (6), 4059 (10)     | 237, 265 (2), 476, 493, 496                  |
| 844                                 | $S_5 \times A_4$                         | 1440  | 83160  | 1457, 1903, 2379 (4), 2647 (5), 3080 (6), 4060 (10)     | 237, 263 (2), 469, 494, 495                  |
| 845                                 | $A_5 \times 2 \times 2 : S_3$            | 1440  | 83160  | 1457, 1904 (3), 2405 (4), 2648 (5), 3081 (6), 4061 (10) | 238, 261 (2), 467, 494, 497                  |
| 846                                 | $A_5 \times 2 \times 2 : S_3$            | 1440  | 83160  | 1456, 1905 (3), 2404 (4), 2650 (5), 3081 (6), 4062 (10) | 238, 265 (2), 474, 493, 498                  |
| 847                                 | $A_5 \times 2 \times 2 : S_3$            | 1440  | 83160  | 1451, 1906 (3), 2390 (4), 2651 (5), 3082 (6), 4063 (10) | 239, 475, 490, 491                           |
| 848                                 | $A_5 \times 2 \times 2 : S_3$            | 1440  | 83160  | 1452, 1907 (3), 2391 (4), 2652 (5), 3082 (6), 4064 (10) | 239, 267, 383, 446, 464, 470                 |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 849                                 | $A_5 \times 2 \times 2 : 3 \times 2$ | 1440  | 83160  | 1451, 1909, 2393 (4),<br>2653 (5), 3083 (6),<br>4065 (10)                    | 240, 473, 490, 492   |
| 850                                 | $A_5 \times 2 \times 2 : 3 \times 2$ | 1440  | 83160  | 1452, 1908, 2392 (4),<br>2654 (5), 3083 (6),<br>4066 (10)                    | 240, 266, 384, 446,<br>465, 468                              |
| 851                                 | $S_5 \times A_4$                     | 1440  | 83160  | 1457, 1830, 2377 (4),<br>2655 (5), 3084 (6),<br>4067 (10)                    | 241, 466, 495, 497   |
| 852                                 | $A_5 \times 2 \times 2 : 3 : 2$      | 1440  | 83160  | 1456, 1865, 2406 (4),<br>2656 (5), 3084 (6),<br>4068 (10)                    | 241, 471, 496, 498   |
| 853                                 | $A_5 \times 2 \times 2 : S_3$        | 1440  | 83160  | 1457, 1911 (3), 2407<br>(4), 2657 (5), 3085<br>(6), 4069 (10)                | 242, 469, 497, 500   |
| 854                                 | $A_5 \times 2 \times 2 : S_3$        | 1440  | 83160  | 1456, 1910 (3), 2408<br>(4), 2658 (5), 3085<br>(6), 4070 (10)                | 242, 476, 498, 499   |
| 855                                 | $A_5 \times 2 \times 2 : 3 \times 2$ | 1440  | 83160  | 1457, 1913, 2378 (4),<br>2659 (5), 3086 (6),<br>4071 (10)                    | 243, 467, 495, 500   |
| 856                                 | $A_5 \times 2 \times 2 : 3 \times 2$ | 1440  | 83160  | 1456, 1912, 2409 (4),<br>2660 (5), 3086 (6),<br>4072 (10)                    | 243, 474, 496, 499   |
| 857                                 | $A_5 \times 3 \times 2 \times 2 : 2$ | 1440  | 83160  | 1471, 1416, 1488,<br>1876, 2661 (5), 3087<br>(6), 4073 (10)                  | 350, 448, 501, 502   |
| 858                                 | $A_5 \times 2 \times 2 : S_3$        | 1440  | 83160  | 1487, 1471, 1422,<br>1897 (3), 2662 (5),<br>3088 (6), 4074 (10)              | 356, 448, 503, 504   |
| 859                                 | $S_6 \times 2$                       | 1440  | 41580  | 1442, 1469 (2), 3089<br>(6), 3090 (6), 4075<br>(10), 5203 (15), 5204<br>(15) | 364 (4), 458, 477,<br>480, 506, 507, 518,<br>519             |
| 860                                 | $A_6 \times 2 \times 2$              | 1440  | 41580  | 1470 (2), 1442, 3091<br>(6), 3092 (6), 4076<br>(10), 5205 (15), 5206<br>(15) | 368 (4), 463, 479,<br>481, 506, 509, 511,<br>523             |
| 861                                 | $A_6 \times 2 \times 2$              | 1440  | 13860  | 1442 (3), 3093 (6),<br>3094 (6), 4077 (10),<br>5207 (15), 5208 (15)          | 378, 455, 505 (3), 507<br>(3), 508, 509 (3), 512<br>(3), 513 |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups   | Minimal Overgroups                 |
| 862                                 | $S_6 \times 2$                     | 1440  | 13860  | 1470, 1469, 1440, 3095 (6), 3049 (6), 4078 (10), 5209 (15), 5210 (15) | 379 (4), 380 (4), 460 (3), 506 (6) |
| 863                                 | $S_6 \times 2$                     | 1440  | 83160  | 1470, 1443, 1469, 3096 (6), 3097 (6), 4079 (10), 5211 (15), 5212 (15) | 381 (2), 382 (2), 463, 506, 519    |
| 864                                 | $A_5 \times 2 \times 2 : S_3$      | 1440  | 83160  | 1471, 1482, 1490, 1907 (3), 2663 (5), 3098 (6), 4080 (10)             | 383, 449, 501, 504                 |
| 865                                 | $A_5 \times 2 \times 2 : S_3$      | 1440  | 166320 | 1472, 1907 (3), 2407 (4), 2664 (5), 3099 (6), 4081 (10)               | 383, 482                           |
| 866                                 | $A_5 \times 2 \times 2 \times S_3$ | 1440  | 27720  | 1493 (3), 1485 (3), 1471, 1908 (3), 2665 (5), 3100 (6), 4082 (10)     | 384, 450, 501 (3), 503 (3)         |
| 867                                 | $S_5 \times (2 \times 6)$          | 1440  | 27720  | 1486 (3), 1491 (3), 1471, 1881, 2666 (5), 3101 (6), 4083 (10)         | 385, 450, 502 (3), 504 (3)         |
| 868                                 | $S_5 \times A_4$                   | 1440  | 55440  | 1472, 1881, 2379 (4), 2667 (5), 3102 (6), 4084 (10)                   | 385, 482 (3)                       |
| 869                                 | $D_8 \times (A_5 \times 3)$        | 1440  | 83160  | 1489, 1471, 1481, 1878, 2668 (5), 3103 (6), 4085 (10)                 | 386, 449, 502, 503                 |
| 870                                 | $A_6 : 2 \times 2$                 | 1440  | 166320 | 1475, 1473, 1478, 4086 (10), 7835 (36), 8093 (45)                     | 443                                |
| 871                                 | $A_6 : 2 \times 2$                 | 1440  | 166320 | 1478, 1476, 1474, 3104 (12), 4087 (10), 5213 (30)                     | 443                                |
| 872                                 | $A_6 : 2 : 2$                      | 1440  | 166320 | 1477, 1475, 1474, 4088 (10), 7836 (36), 8094 (45)                     | 443                                |
| 873                                 | $A_6 : 2 : 2$                      | 1440  | 166320 | 1477, 1473, 1476, 4089 (10), 7837 (36), 8095 (45)                     | 443                                |
| 874                                 | $A_5 \times 2 \cdot 2 : S_3$       | 1440  | 83160  | 1422, 1479, 1488, 1900 (3), 2669 (5), 3105 (6), 4090 (10)             | 448, 516, 517                      |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 875                                 | $S_5 \times 2 : S_3$                | 1440  | 83160  | 1487, 1479, 1416, 1846 (3), 2670 (5), 3106 (6), 4091 (10)                     | 448, 514, 515      |
| 876                                 | $A_5 \times 2 \times 2 : S_3$       | 1440  | 83160  | 1481, 1490, 1479, 1852 (3), 2671 (5), 3107 (6), 4092 (10)                     | 449, 515, 516      |
| 877                                 | $A_5 \times 2 \cdot 2 : S_3$        | 1440  | 83160  | 1489, 1482, 1479, 1918 (3), 2672 (5), 3108 (6), 4093 (10)                     | 449, 514, 517      |
| 878                                 | $S_5 \times 2 \times S_3$           | 1440  | 83160  | 1479, 1484 (2), 1485, 1492 (2), 1491, 1920 (3), 2673 (5), 3109 (6), 4094 (10) | 450, 514, 516      |
| 879                                 | $S_5 \times 2 \times S_3$           | 1440  | 83160  | 1492 (2), 1483 (2), 1493, 1486, 1479, 1899 (3), 2674 (5), 3110 (6), 4095 (10) | 450, 515, 517      |
| 880                                 | $S_5 \times 2 : S_3$                | 1440  | 83160  | 1493, 1490, 1416, 1854 (3), 2675 (5), 3111 (6), 4096 (10)                     | 451, 501, 515      |
| 881                                 | $S_5 \times 2 : S_3$                | 1440  | 83160  | 1422, 1490, 1491, 1911 (3), 2676 (5), 3112 (6), 4097 (10)                     | 451, 504, 516      |
| 882                                 | $A_5 \times 2 \cdot 2 : S_3$        | 1440  | 83160  | 1489, 1493, 1422, 1904 (3), 2677 (5), 3113 (6), 4098 (10)                     | 451, 503, 517      |
| 883                                 | $A_5 \times 3 \times 2 \cdot 2 : 2$ | 1440  | 83160  | 1489, 1491, 1416, 1883, 2678 (5), 3114 (6), 4099 (10)                         | 451, 502, 514      |
| 884                                 | $S_5 \times 2 \cdot S_3$            | 1440  | 83160  | 1487, 1490, 1486, 1848 (3), 2643 (5), 3115 (6), 4100 (10)                     | 452, 504, 515      |
| 885                                 | $A_5 \times 2 \cdot 2 \times S_3$   | 1440  | 83160  | 1485, 1488, 1490, 1924 (3), 2641 (5), 3116 (6), 4101 (10)                     | 452, 501, 516      |
| 886                                 | $A_5 \times 2 \cdot 2 \times S_3$   | 1440  | 83160  | 1489, 1487, 1485, 1922 (3), 2644 (5), 3117 (6), 4102 (10)                     | 452, 503, 514      |
| 887                                 | $S_5 \times 12$                     | 1440  | 83160  | 1489, 1486, 1488, 1884, 2642 (5), 3118 (6), 4103 (10)                         | 452, 502, 517      |
| 888                                 | $A_5 \times 2 \cdot 2 : S_3$        | 1440  | 83160  | 1493, 1488, 1482, 1928 (3), 2679 (5), 3119 (6), 4104 (10)                     | 453, 501, 517      |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups   | Minimal Overgroups                |
| 889                                 | $A_5 \times 3 \times 2 \times 2 : 2$ | 1440  | 83160  | 1481, 1491, 1488, 1886, 2680 (5), 3120 (6), 4105 (10)                 | 453, 502, 516                     |
| 890                                 | $A_5 \times 2 \times 2 : S_3$        | 1440  | 83160  | 1487, 1493, 1481, 1847 (3), 2681 (5), 3121 (6), 4106 (10)             | 453, 503, 515                     |
| 891                                 | $S_5 \times 2 : S_3$                 | 1440  | 83160  | 1487, 1491, 1482, 1927 (3), 2682 (5), 3122 (6), 4107 (10)             | 453, 504, 514                     |
| 892                                 | $A_6 \times 2 \times 2$              | 1440  | 41580  | 1442, 1441, 1470, 3123 (6), 3124 (6), 4108 (10), 5214 (15), 5215 (15) | 457, 460, 511, 513, 519, 520, 521 |
| 893                                 | $S_6 \times 2$                       | 1440  | 41580  | 1442, 1443 (2), 3125 (6), 3126 (6), 4109 (10), 5216 (15), 5217 (15)   | 457, 459, 508, 510, 518, 522, 523 |
| 894                                 | $S_6 \times 2$                       | 1440  | 41580  | 1441, 1469, 1443, 3127 (6), 3128 (6), 4110 (10), 5218 (15), 5219 (15) | 459 (2), 460, 519 (2)             |
| 895                                 | $L_2(7) : 2 \times 2 \times 2$       | 1344  | 178200 | 1496, 1499, 1498 (2), 1507, 1497 (2), 3857 (8), 6246 (21), 7252 (28)  | 38, 524                           |
| 896                                 | $L_2(7) \times 2 \times 2 : 2$       | 1344  | 178200 | 1500, 1496, 1505, 3858 (8), 6247 (21), 7253 (28)                      | 39, 387, 524                      |
| 897                                 | $L_2(7) : 2 \times 2 \times 2$       | 1344  | 59400  | 1501 (3), 1499 (3), 1505, 3859 (8), 6248 (21), 7254 (28)              | 41, 388, 524 (3)                  |
| 898                                 | $L_2(7) \times 2 \cdot 2 : 2$        | 1344  | 178200 | 1496, 1501, 1509, 3860 (8), 6249 (21), 7255 (28)                      | 42, 524                           |
| 899                                 | $L_2(7) : 2 \times 2 \cdot 2$        | 1344  | 178200 | 1500, 1499, 1509, 3861 (8), 6250 (21), 7256 (28)                      | 43, 524                           |
| 900                                 | $L_2(7) \times 2 \times 2 : 2$       | 1344  | 178200 | 1500, 1501, 1507, 3862 (8), 6251 (21), 7257 (28)                      | 44, 524                           |
| 901                                 | $2^3 : L_2(7)$                       | 1344  | 14850  | 3415 (7), 3416 (7), 3863 (8), 3868 (8), 3865 (8)                      | 131, 389 (4), 525 (6), 526 (3)    |

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|-------------------------------------|------------------------------------|-------|--------|--|-----------------------------|
| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups          |
| 902                                 | $D_8 \times L_2(7)$                | 1344  | 356400 | 1503, 1504, 1502, 3417 (7), 3349 (7), 3869 (8)                         | 133, 201, 390               |
| 903                                 | $D_8 \times L_2(7)$                | 1344  | 178200 | 1507, 1509, 1505, 3418 (14), 3869 (8)                                  | 201 (2), 391, 524           |
| 904                                 | $D_8 \times (2^3 : 7 : 3)$         | 1344  | 356400 | 1508, 1510, 1506, 1930, 3419 (7), 3869 (8)                             | 201, 392                    |
| 905                                 | $2^3 : 7 \times 2 \times 2 : S_3$  | 1344  | 118800 | 1512, 1930 (3), 2430 (4), 3420, 3870 (8)                               | 392                         |
| 906                                 | $L_2(11) : 2$                      | 1320  | 362880 | 1513, 5039 (12), 9111 (55), 9112 (55), 9525 (66)                       | 1                           |
| 907                                 | $M_9 : 3 : S_3$                    | 1296  | 184800 | 1515, 1934 (6), 1931 (3), 2017 (3), 2439 (4), 4111 (9)                 | 11, 527                     |
| 908                                 | $M_9 : 3 \times S_3$               | 1296  | 184800 | 1515, 2018, 1933 (3), 2440 (4), 4112 (9)                               | 12, 527                     |
| 909                                 | $3^2 : S_3 \cdot 2 \cdot 2 : S_3$  | 1296  | 184800 | 1515, 1932, 2019 (3), 2441 (4), 4113 (9)                               | 13, 527                     |
| 910                                 | $S_3 \times S_3 \times S_3 : S_3$  | 1296  | 184800 | 1534, 1535, 1516, 1963 (3), 2442 (4), 7258 (27)                        | 25, 393, 528                |
| 911                                 | $S_3 \times S_3 \times S_3 : S_3$  | 1296  | 61600  | 1542, 1516, 1543, 1964 (3), 2443 (4), 7259 (27)                        | 26, 395, 528 (3)            |
| 912                                 | $6 : S_3 : S_3 : S_3$              | 1296  | 184800 | 1516, 1538, 1540, 1965 (3), 2444 (4), 7260 (27)                        | 27, 394, 528                |
| 913                                 | $S_3 \times S_3 \times S_3 : S_3$  | 1296  | 369600 | 1519, 1518, 1517, 1943 (3), 2435 (4), 7261 (27)                        | 55, 401                     |
| 914                                 | $3 : S_3 \cdot 2 : S_3 : S_3$      | 1296  | 92400  | 1536 (2), 1550, 1533, 1520 (2), 1521, 1963 (6), 4114 (9)               | 187, 393 (2), 530, 531, 534 |
| 915                                 | $3 : S_3 \cdot 2 : S_3 \times S_3$ | 1296  | 184800 | 1522, 1539, 1520, 1551, 1523, 1537, 1552, 1968 (3), 1965 (3), 4115 (9) | 188, 394, 530               |
| 916                                 | $3^2 : S_3 \cdot 2 : 2 \times S_3$ | 1296  | 184800 | 1520, 1553, 1541, 1554, 1544, 1523, 1524, 1964, 1969 (3), 4116 (9)     | 189, 395, 530               |

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|-------------------------------------|---|-------|--------|--|--------------------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups             |
| 917                                 | $3^3 : S_3 \cdot 2 : 2 \cdot 2$         | 1296  | 46200  | 1555, 1521 (2), 4042 (18)  | 190 (2), 529 (2), 531, 532 (2) |
| 918                                 | $3 : S_3 \cdot 2 \times S_3 \times S_3$ | 1296  | 92400  | 1556, 1557, 1523 (2), 1521, 1558 (2), 1971 (6), 4117 (9)               | 191, 530, 532, 533             |
| 919                                 | $3^2 : S_3 \cdot 2 : 2 : S_3$           | 1296  | 92400  | 1559, 1524, 1522, 1560, 1561, 1557, 1521, 1970 (6), 1973 (6), 4118 (9) | 192, 530, 532, 535             |
| 920                                 | $3 : S_3 \cdot 2 : S_3 : S_3$           | 1296  | 92400  | 1562 (2), 1550, 1521, 1525 (2), 1563, 1972 (6), 4119 (9)               | 193, 531, 533, 535             |
| 921                                 | $3 : S_3 \cdot S_3 : S_3 \cdot 2$       | 1296  | 92400  | 1556, 1521, 1564, 4043 (9), 4120 (9)                                   | 194, 532, 533, 534             |
| 922                                 | $3 : S_3 \cdot 2 \times S_3 \times S_3$ | 1296  | 92400  | 1565 (2), 1564, 1559, 1526 (2), 1521, 1974 (6), 4121 (9)               | 195, 532, 534, 535             |
| 923                                 | $3 : S_3 \cdot 2 : S_3 \times S_3$      | 1296  | 184800 | 1522, 1566, 1567, 1568, 1569, 1526, 1525, 1987 (3), 1986 (3), 4122 (9) | 196, 535                       |
| 924                                 | $3^2 : S_3 \cdot 2 : 2 \times S_3$      | 1296  | 184800 | 1570, 1524, 1571, 1572, 1525, 1573, 1526, 1984, 1985 (3), 4123 (9)     | 197, 535                       |
| 925                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2$         | 1296  | 184800 | 1530, 1574, 1575, 3937 (18)  | 396 (2), 538                   |
| 926                                 | $S_3 \times S_3 \times S_3 \times S_3$  | 1296  | 15400  | 1557 (6), 1539 (4), 1541 (4), 1533, 1966 (12)                          | 397 (4), 530 (6), 541 (3)      |
| 927                                 | $3 : S_3 : S_3 : 3 : 2 \times 2$        | 1296  | 184800 | 1542, 1540, 1534, 1966, 2445 (4), 7262 (27)                            | 397, 528                       |
| 928                                 | $S_3 \times S_3 : S_3 : S_3$            | 1296  | 184800 | 1547 (2), 1549 (2), 1576, 1531, 1577, 2020 (6), 3972 (9)               | 398 (2), 544                   |
| 929                                 | $S_3 \times S_3 \times S_3 : S_3$       | 1296  | 369600 | 1548, 1546, 1532, 2020 (3), 2446 (4), 7263 (27)                        | 398                            |
| 930                                 | $S_3 \times S_3 \times S_3 : S_3$       | 1296  | 184800 | 1534, 1538, 1543, 1979 (3), 2447 (4), 7264 (27)                        | 399, 528                       |

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|-------------------------------------|--|-------|--------|--|-----------------------------------|
| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 931                                 | $S_3 \times S_3 : S_3 : S_3$           | 1296  | 92400  | 1556, 1533, 1544 (2), 1559, 1537 (2), 1979 (6), 4124 (9)                               | 399 (2), 530, 534, 542            |
| 932                                 | $6 : S_3 : S_3 : S_3$                  | 1296  | 184800 | 1543, 1535, 1540, 2016 (3), 2448 (4), 7265 (27)  | 400, 528                          |
| 933                                 | $S_3 \times S_3 : S_3 \times S_3$      | 1296  | 184800 | 1558, 1539, 1544, 1553, 1551, 1536, 1561, 2016 (3), 2015 (3), 4125 (9)                 | 400, 530                          |
| 934                                 | $S_3 \times S_3 : S_3 \times S_3$      | 1296  | 184800 | 1558, 1554, 1541, 1537, 1552, 1560, 1536, 1943 (3), 2014 (3), 4126 (9)                 | 401, 530                          |
| 935                                 | $S_3 \times S_3 \times S_3 : S_3$      | 1296  | 184800 | 1542, 1535, 1538, 1943 (3), 2449 (4), 7266 (27)  | 401, 528                          |
| 936                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2$        | 1296  | 92400  | 1575 (2), 1555, 9638 (81)  | 529, 537, 538                     |
| 937                                 | $3^3 : S_3 \cdot 2 : 2 : 2$            | 1296  | 92400  | 1555, 1578 (2), 1579 (2), 1530, 1580, 9639 (81)  | 529, 536, 538                     |
| 938                                 | $S_3 \times S_3 \times S_3 \times S_3$ | 1296  | 92400  | 1567 (2), 1529 (4), 1553 (2), 1557, 1571 (2), 1550, 1559, 1552 (2), 1981 (6), 1976 (6) | 530, 535, 543                     |
| 939                                 | $S_3 \times S_3 : S_3 : S_3$           | 1296  | 92400  | 1550, 1557, 1554 (2), 1556, 1551 (2), 1977 (6), 4127 (9)                               | 530, 533, 543                     |
| 940                                 | $3 : S_3 : S_3 : S_3 : 2$              | 1296  | 46200  | 1550 (2), 1574 (4), 1555, 4128 (18)  | 531, 538 (2), 543 (2)             |
| 941                                 | $3 : S_3 : S_3 : S_3 : 2$              | 1296  | 46200  | 1555, 1578 (4), 1533, 1563, 3929 (18)  | 531, 536, 537, 539, 540, 541, 542 |
| 942                                 | $3 : S_3 \cdot S_3 : S_3 : 2$          | 1296  | 92400  | 1556, 1559, 1555, 4129 (9), 4130 (9)   | 532, 542, 543                     |
| 943                                 | $3^3 : S_3 \cdot 2 : 2 : 2$            | 1296  | 92400  | 1555, 1557, 1564, 3973 (9), 3975 (9)   | 532, 541, 543                     |
| 944                                 | $S_3 \times S_3 : S_3 : S_3$           | 1296  | 92400  | 1569 (2), 1573 (2), 1557, 1563, 1564, 1978 (6), 3974 (9)                               | 533, 535, 541                     |

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|-------------------------------------|---|-------|--------|--|----------------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups         |
| 945                                 | $3 : S_3 \cdot S_3 : S_3 : 2$           | 1296  | 92400  | 1564, 1550, 1556, 4131 (9), 4132 (9)                                   | 533, 534, 543              |
| 946                                 | $3 : S_3 : S_3 : S_3 \cdot 2$           | 1296  | 46200  | 1563, 1556 (2), 4133 (18)  | 533 (2), 542, 545 (2)      |
| 947                                 | $3 : S_3 \cdot S_3 : S_3 : 2$           | 1296  | 46200  | 1564 (2), 1533, 3932 (18)  | 534 (2), 539 (2), 541 (18) |
| 948                                 | $S_3 \times S_3 : S_3 : S_3$            | 1296  | 92400  | 1568 (2), 1570 (2), 1559, 1564, 1550, 1980 (6), 4134 (9)               | 534, 535, 543              |
| 949                                 | $S_3 \times S_3 \times S_3 \times S_3$  | 1296  | 46200  | 1576 (4), 1566 (4), 1559 (2), 1572 (4), 1563, 1982 (12)                | 535 (2), 542, 544 (2)      |
| 950                                 | $S_3 \times S_3 : S_3 \times S_3$       | 1296  | 184800 | 1566, 1573, 1571, 1562, 1565, 1560, 1568, 2012 (3), 2010 (3), 4135 (9) | 535                        |
| 951                                 | $S_3 \times S_3 : S_3 \times S_3$       | 1296  | 184800 | 1572, 1569, 1567, 1562, 1565, 1561, 1570, 2013 (3), 2011 (3), 4136 (9) | 535                        |
| 952                                 | $3^3 : S_3 \cdot 2 : 2 : 2$             | 1296  | 92400  | 1563, 1531, 1578 (2), 1580 (2), 1579, 3930 (18)                        | 536, 544, 545              |
| 953                                 | $3^3 : S_3 \cdot 2 : 2 : 2$             | 1296  | 184800 | 1575, 1580, 1574, 9640 (81)  | 538                        |
| 954                                 | $3 : S_3 \cdot S_3 : S_3 : 2$           | 1296  | 92400  | 1577 (2), 1563, 3931 (18)  | 540, 544, 545              |
| 955                                 | $3^2 : S_3 : S_3 \cdot 2 : 2$           | 1296  | 184800 | 1579, 1576, 1577, 3964 (9), 3963 (9)                                   | 544                        |
| 956                                 | $2^4 : 5 : 2 \times 2 \cdot 2 \times 2$ | 1280  | 374220 | 1587, 1585, 1582, 1581, 1586, 1583, 1584, 2853 (5), 5803 (16)          | 250, 251                   |
| 957                                 | $A_5 \times 7 : 3$                      | 1260  | 95040  | 2064, 3014 (5), 3279 (6), 3837 (7), 4916 (10)                          | 209 (2), 546, 547, 548     |
| 958                                 | $S_5 \times (D_{10})$                   | 1200  | 99792  | 1590, 1595, 1588, 3031 (5), 3027 (5), 3282 (6), 4935 (10)              | 119, 255, 550, 551, 552    |
| 959                                 | $S_5 \times (D_{10})$                   | 1200  | 99792  | 1596, 1591, 1588, 3033 (5), 3028 (5), 3283 (6), 4936 (10)              | 120, 551                   |

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|-------------------------------------|-----------------------------|-------|--------|---|--------------------------------------|
| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups   | Minimal Overgroups                   |
| 960                                 | $S_5 \times 10$             | 1200  | 99792  | 1597, 1594, 1588, 3025, 3034 (5), 3284 (6), 4937 (10)     | 121, 551                             |
| 961                                 | $A_5 \times 5 : 2 \cdot 2$  | 1200  | 99792  | 1590, 3044 (5), 3064 (5), 3282 (6), 4938 (10)             | 255, 550, 553, 554                   |
| 962                                 | $A_5 \times 5 : 2 \cdot 2$  | 1200  | 199584 | 1589, 3071 (5), 3079 (5), 3285 (6), 4939 (10)             | 256, 259, 264, 556                   |
| 963                                 | $A_5 \times 5 : 2 \cdot 2$  | 1200  | 99792  | 1590, 3072 (5), 3050 (5), 3285 (6), 4940 (10)             | 256 (2), 259 (2), 260, 550, 555, 557 |
| 964                                 | $A_5 \times 5 : 2 : 2$      | 1200  | 199584 | 1589, 1593, 1592, 3081 (5), 3069 (5), 3286 (6), 4941 (10) | 257, 261, 265, 556                   |
| 965                                 | $S_5 \times (D_{10})$       | 1200  | 99792  | 1590, 1594, 1591, 3077 (5), 3070 (5), 3286 (6), 4942 (10) | 257 (2), 262, 263 (2), 551, 554, 555 |
| 966                                 | $A_5 \times 5 : 2 \cdot 2$  | 1200  | 99792  | 1590, 3073 (5), 3078 (5), 3286 (6), 4943 (10)             | 258 (2), 261 (2), 262, 552, 553, 555 |
| 967                                 | $A_5 \times 5 : 2 \cdot 2$  | 1200  | 199584 | 1589, 3074 (5), 3080 (5), 3286 (6), 4944 (10)             | 258, 263, 265, 556                   |
| 968                                 | $A_5 \times 5 : 2 \times 2$ | 1200  | 99792  | 1590, 1596, 1597, 3124 (5), 3083 (5), 3287 (6), 4945 (10) | 266, 551, 553, 557                   |
| 969                                 | $A_5 \times 5 : 2 \cdot 2$  | 1200  | 99792  | 1590, 3047 (5), 3082 (5), 3288 (6), 4946 (10)             | 267, 552, 554, 557                   |
| 970                                 | $A_5 \times 5 : 2 \times 2$ | 1200  | 99792  | 1597, 1595, 1591, 3129 (5), 3127 (5), 3289 (6), 4947 (10) | 551                                  |
| 971                                 | $S_5 \times (D_{10})$       | 1200  | 99792  | 1596, 1594, 1595, 3130 (5), 3049 (5), 3290 (6), 4948 (10) | 551                                  |
| 972                                 | $2^4 : S_3 : S_3 : 2$       | 1152  | 207900 | 1732, 1623, 1733, 4434 (9), 5850 (16)                     | 32, 558                              |
| 973                                 | $2^4 : S_3 : S_3 : 2$       | 1152  | 207900 | 1734, 1621, 1735, 4434 (9), 5849 (16)                     | 32, 559                              |
| 974                                 | $2^{1+4} : S_3 : S_3$       | 1152  | 207900 | 1704, 1703, 1663, 2084 (3), 2126 (3), 2533 (4)            | 48, 327, 562                         |

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|-------------------------------------|---|-------|--------|--|--|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups                         |
| 975                                 | $2^{1+4} : 6 : S_3$                       | 1152  | 207900 | 1706, 1663, 1708, 2085, 2127 (3), 2538 (4)   | 50, 328, 562                               |
| 976                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$ | 1152  | 103950 | 1607, 1617, 1600, 4435 (9), 5863 (16)  | 85, 419 (2), 563, 564, 565                 |
| 977                                 | $2^4 : 3 : S_3 \cdot 2 : 2$               | 1152  | 17325  | 1720, 1667, 1600, 4436 (9), 5864 (16)  | 86, 421 (4), 564 (6), 568 (3)              |
| 978                                 | $2^5 : S_3 : S_3$                         | 1152  | 103950 | 1718 (2), 1668, 1600, 1719 (2), 1612, 2132 (6), 5865 (16)  | 87, 420 (2), 564, 565, 567                 |
| 979                                 | $D_8 \times 2^2 \times S_3 : S_3$         | 1152  | 415800 | 1601, 1603, 1602, 1685, 1682, 1605, 1599, 1687, 1680, 1681, 1606, 1686, 1604, 1683, 1684, 2105 (3), 2161 (3), 2683 (4) | 88, 288, 339, 418                          |
| 980                                 | $2^5 : S_3 : S_3$                         | 1152  | 51975  | 1736 (2), 1737 (2), 1738, 1600, 1608, 2134 (6), 5866 (16)  | 89, 563, 566, 567, 568, 569, 570, 571      |
| 981                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$ | 1152  | 51975  | 1611, 1739, 1600, 4437 (9), 5867 (16)  | 90, 565 (2), 568, 571 (2)                  |
| 982                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$ | 1152  | 103950 | 1607, 1617, 1608, 4438 (9), 5868 (16)  | 103 (2), 563, 572, 609                     |
| 983                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$ | 1152  | 103950 | 1607, 1667, 1612, 4439 (9), 5869 (16)  | 104 (2), 426 (2), 564, 572, 610            |
| 984                                 | $2^4 : 3 \times 2 : S_3 \cdot 2$          | 1152  | 103950 | 1668, 1607, 1611, 4440 (9), 5870 (16)  | 105 (2), 565, 572, 611                     |
| 985                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$ | 1152  | 207900 | 1610, 1673, 1609, 4441 (9), 5871 (16)  | 106 (2), 598                               |
| 986                                 | $2^4 : 3 : S_3 \cdot 2 : 2$               | 1152  | 51975  | 1611, 1667, 1608, 4442 (9), 5872 (16)  | 107 (4), 568, 572 (2), 603 (2)             |
| 987                                 | $2^5 : S_3 : S_3$                         | 1152  | 103950 | 1613 (2), 1668, 1612, 1614 (2), 1608, 2182 (6), 5873 (16)  | 109 (2), 567, 572, 609                     |
| 988                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$ | 1152  | 103950 | 1611, 1617, 1612, 4443 (9), 5874 (16)  | 110 (2), 565, 572, 608                     |
| 989                                 | $2^5 : S_3 : S_3$                         | 1152  | 51975  | 1617 (2), 1619 (2), 1738, 1621 (2), 2091 (6), 2506 (8)   | 138 (4), 559, 560, 563, 574, 585, 608, 618 |
| 990                                 | $2^5 : S_3 : S_3$                         | 1152  | 207900 | 1616, 1641, 1702, 1740, 1622, 1620, 1631, 2091 (3), 2092 (3), 2545 (4), 2533 (4)                                       | 138, 144, 327, 573                         |

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|-------------------------------------|---|-------|--------|--|--|
| Nr.                                 | Structure                                       | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 991                                 | $2^5 : S_3 : S_3$                               | 1152  | 103950 | 1629 (2), 1667, 1617, 1626 (2), 1668, 2105 (6), 2507 (8)                         | 139 (2), 287 (4), 418 (2), 564, 572, 574 |
| 992                                 | $2^5 : S_3 : S_3$                               | 1152  | 207900 | 1679, 1674, 1616, 1628, 1627, 1676, 1669, 2105 (3), 2106 (3), 2593 (4), 2534 (4) | 139, 296 (2), 573                        |
| 993                                 | $2^5 : S_3 : S_3$                               | 1152  | 207900 | 1638, 1616, 1741, 1637, 1742, 1670, 1743, 2108 (3), 2107 (3), 2594 (4), 2535 (4) | 140, 573                                 |
| 994                                 | $2^5 : S_3 : S_3$                               | 1152  | 103950 | 1639 (2), 1617, 1668, 1636 (2), 1739, 2107 (6), 2508 (8)                         | 140 (2), 565, 574, 609                   |
| 995                                 | $2^5 : S_3 : S_3$                               | 1152  | 207900 | 1637, 1620, 1744, 1627, 1710, 1671, 1713, 2183 (3), 2094 (3), 2536 (4), 2595 (4) | 142, 336, 573                            |
| 996                                 | $2^5 : S_3 : S_3$                               | 1152  | 103950 | 1626 (2), 1619, 1636 (2), 1745, 1746, 2093 (3), 2183 (3), 2579 (4), 2537 (4)     | 142 (2), 574, 592, 628                   |
| 997                                 | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3$ | 1152  | 207900 | 1707, 1705, 1638, 1620, 1628, 1672, 1747, 2096, 2184 (3), 2596 (4), 2538 (4)     | 143, 328, 573                            |
| 998                                 | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3$ | 1152  | 103950 | 1746, 1748, 1629 (2), 1619, 1639 (2), 2095, 2184 (3), 2580 (4), 2539 (4)         | 143 (2), 574, 597, 629                   |
| 999                                 | $2^5 : S_3 : S_3$                               | 1152  | 103950 | 1630 (2), 1640 (2), 1623, 1749, 1750, 2092 (6), 2544 (8)                         | 144 (2), 558, 561, 575                   |
| 1000                                | $2^5 : S_3 : S_3$                               | 1152  | 207900 | 1638, 1632, 1622, 1751, 1752, 1643, 1627, 2109 (3), 2111 (3), 2547 (4), 2542 (4) | 145, 146, 573                            |

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|-------------------------------------|---|-------|--------|--|--------------------|
| Nr.                                 | Structure                                       | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 1001                                | $2^5 : S_3 : S_3$                               | 1152  | 207900 | 1753, 1629, 1636, 1639, 1754, 1621, 1626, 2111 (3), 2110 (3), 2543 (4), 2541 (4) | 145, 147, 574      |
| 1002                                | $2^5 : S_3 : S_3$                               | 1152  | 207900 | 1635, 1633, 1623, 1755, 1756, 1642, 1645, 2109 (3), 2112 (3), 2548 (4), 2546 (4) | 146, 148, 575      |
| 1003                                | $2^5 : S_3 : S_3$                               | 1152  | 207900 | 1637, 1628, 1757, 1622, 1758, 1634, 1644, 2110 (3), 2112 (3), 2549 (4), 2540 (4) | 147, 148, 573      |
| 1004                                | $2^5 : S_3 : S_3$                               | 1152  | 207900 | 1673, 1633, 1635, 1677, 1678, 1630, 1675, 2135 (3), 2114 (3), 2554 (4), 2597 (4) | 149, 297 (2), 575  |
| 1005                                | $2^5 : S_3 : S_3$                               | 1152  | 207900 | 1634, 1632, 1669, 1631, 1670, 1671, 1672, 2113 (3), 2135 (3), 2555 (4), 2598 (4) | 149, 298 (2), 573  |
| 1006                                | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3$ | 1152  | 207900 | 1713, 1674, 1742, 1632, 1705, 1641, 1644, 2090, 2172 (3), 2599 (4), 2557 (4)     | 150, 345, 573      |
| 1007                                | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3$ | 1152  | 207900 | 1759, 1760, 1633, 1640, 1645, 1761, 1675, 2089, 2172 (3), 2600 (4), 2556 (4)     | 150, 575           |
| 1008                                | $2^5 : S_3 : S_3$                               | 1152  | 207900 | 1710, 1676, 1634, 1643, 1641, 1707, 1743, 2165 (3), 2098 (3), 2601 (4), 2558 (4) | 151, 343, 573      |
| 1009                                | $2^5 : S_3 : S_3$                               | 1152  | 207900 | 1762, 1759, 1642, 1640, 1635, 1763, 1677, 2165 (3), 2097 (3), 2602 (4), 2559 (4) | 151, 575           |

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|-------------------------------------|--|-------|--------|--|--------------------|
| Nr.                                 | Structure                                      | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 1010                                | $2^5 : S_3 : S_3$                              | 1152  | 207900 | 1642, 1761, 1630, 1764, 1678, 1763, 1645, 2115 (3), 2185 (3), 2561 (4), 2603 (4)   | 152, 575           |
| 1011                                | $2^5 : S_3 : S_3$                              | 1152  | 207900 | 1741, 1747, 1631, 1643, 1644, 1744, 1679, 2185 (3), 2116 (3), 2604 (4), 2560 (4)   | 152, 573           |
| 1012                                | $D_8 \times (S_3 \times S_3 : 2 \times 2)$     | 1152  | 415800 | 1650, 1658, 1731, 1765, 1728, 1715, 1656, 1652, 1653, 1655, 1717, 1598, 1766, 1615, 1657, 1647, 1648, 1659, 1767, 1729, 1716, 1727, 1661, 1646, 1649, 1654, 1726, 1768, 1730, 1660, 1651, 4444 (9) | 199, 422, 423      |
| 1013                                | $A_4 \times 2 \times 2 : S_3 \cdot 2 \times 2$ | 1152  | 103950 | 1733 (2), 1750, 4445 (9), 5875 (16)  | 200, 558, 576, 577 |
| 1014                                | $2^{1+4} \times S_3 : S_3$                     | 1152  | 207900 | 1712, 1711, 1663, 2131 (3), 2160 (3), 2684 (8), 2536 (4)   | 245 (2), 336, 562  |
| 1015                                | $D_8 \times 2 : 2 \times S_3 : S_3$            | 1152  | 415800 | 1691, 1697, 1662, 1693, 1695, 1700, 1696, 2132 (3), 2160 (3), 2684 (4)   | 245, 337, 420      |
| 1016                                | $2^5 : S_3 : S_3$                              | 1152  | 415800 | 1694, 1698, 1666, 1692, 1699, 1665, 1688, 2186 (3), 2156 (3), 2684 (4), 2595 (4)   | 336, 337           |
| 1017                                | $Q_8 \times 2^2 : S_3 : S_3$                   | 1152  | 415800 | 1701, 1714, 1709, 2163 (3), 2187 (3), 2628 (4), 2685 (4)   | 342                |
| 1018                                | $2^5 : S_3 : S_3$                              | 1152  | 207900 | 1702, 1669, 1713, 1741, 1757, 1752, 1707, 2188 (3), 2164 (3), 2686 (4), 2685 (4)   | 342, 573           |

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|-------------------------------------|--|-------|--------|--|----------------------------|
| Nr.                                 | Structure                                      | Order | Length | Maximal Subgroups  | Minimal Overgroups         |
| 1019                                | $2^{1+4} \times S_3 : S_3$                     | 1152  | 207900 | 1712, 1703, 1708, 2162 (3), 2189 (3), 2628 (8), 2686 (4)                                   | 342, 562                   |
| 1020                                | $2^{1+4} : S_3 : S_3$                          | 1152  | 207900 | 1708, 1711, 1704, 2140 (3), 2166 (3), 2601 (4)   | 343, 562                   |
| 1021                                | $2^{1+4} : 6 : S_3$                            | 1152  | 207900 | 1711, 1703, 1706, 2167 (6), 2169 (3), 2190 (3), 2687 (4)                                   | 344, 562                   |
| 1022                                | $2^4 : 3 \times 2 \times 2 : S_3$              | 1152  | 207900 | 1710, 1670, 1758, 1751, 1705, 1702, 1679, 2168 (6), 2191 (3), 2170 (3), 2688 (4), 2687 (4) | 344, 573                   |
| 1023                                | $2^{1+4} : 6 \times S_3$                       | 1152  | 207900 | 1704, 1712, 1706, 2171, 2139 (3), 2599 (4)   | 345, 562                   |
| 1024                                | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$      | 1152  | 103950 | 1720, 1617, 1612, 4446 (9), 5876 (16)  | 424 (2), 564, 608, 609     |
| 1025                                | $A_4 \times 2 \times 2 : S_3 \cdot 2 \times 2$ | 1152  | 103950 | 1720, 1668, 1607, 4447 (9), 5877 (16)  | 425 (2), 564, 609, 611     |
| 1026                                | $2^6 : 3 : S_3$                                | 1152  | 207900 | 1723, 2143, 2192 (3), 2689 (4), 5848 (16)  | 427, 580                   |
| 1027                                | $2^6 : 3 : S_3$                                | 1152  | 69300  | 1722, 2193, 2192 (3), 2690 (4), 5878 (16)  | 427, 428, 581 (3)          |
| 1028                                | $A_4 \times 2 \times 2 \times 2 : S_3$         | 1152  | 34650  | 1724, 2193, 2194 (3), 2637 (12), 2691 (4)  | 428, 578 (3), 582 (3), 587 |
| 1029                                | $2^4 : 3 \times 2 \times 2 : S_3$              | 1152  | 34650  | 1769 (3), 1737 (3), 1725, 2193, 2195 (3), 5879 (16)  | 428, 566, 584 (3), 589 (3) |
| 1030                                | $A_4 \times 2 \times 2 \times 2 : 3 : 2$       | 1152  | 103950 | 1724, 2194, 2192 (2), 2195, 2638 (4), 2692 (4)   | 428, 578, 583, 588         |
| 1031                                | $2^6 : 3 \cdot S_3$                            | 1152  | 138600 | 1721, 2196 (3), 9563 (64)  | 429                        |
| 1032                                | $2^4 : 3 \times 2 \times 2 : S_3$              | 1152  | 207900 | 1722, 2196, 2197 (3), 2693 (4), 5880 (16)  | 429 (2), 430, 431, 581     |
| 1033                                | $2^4 : 3 \times 2 \times 2 : S_3$              | 1152  | 69300  | 1723, 2147 (9), 2196 (3), 2694 (12)  | 430, 580 (3)               |
| 1034                                | $2^6 : 3 : S_3$                                | 1152  | 34650  | 1724, 2196 (6), 2198 (3), 2199 (3), 2695 (12), 2696 (4)                                    | 431, 583 (3), 587, 593 (3) |

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|-------------------------------------|--|-------|--------|---|--|
| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 1035                                | $2^4 : 3 \times 2 \times 2 : S_3$        | 1152  | 103950 | 1724, 2198, 2197 (3),<br>2697 (4), 2698 (4)                               | 431, 582, 588, 593   |
| 1036                                | $2^4 : 3 \times 2 \times 2 : S_3$        | 1152  | 103950 | 1770, 1725, 1771,<br>2199, 2197 (3), 5881<br>(16)                         | 431, 584, 589, 594   |
| 1037                                | $2^6 : 3 : S_3$                          | 1152  | 103950 | 1724, 2200 (3), 2201<br>(6), 2202 (3), 2664<br>(8), 2699 (4), 2700<br>(4) | 432, 582, 583, 590   |
| 1038                                | $2^4 : 3 \times 2 \times 2 : S_3$        | 1152  | 69300  | 1722, 2200 (9), 2201<br>(3), 2701 (12)                                    | 432, 433, 581 (3)  |
| 1039                                | $2^4 : 3 \times 2 \times 2 : S_3$        | 1152  | 51975  | 1772, 1745, 1725,<br>2200 (6), 2202 (6),<br>2663 (8)                      | 432, 584 (2), 591, 592<br>(2)                                |
| 1040                                | $2^4 : 3 \times 2 \times 2 : S_3$        | 1152  | 207900 | 1723, 2201, 2148 (3),<br>2702 (4), 5862 (16)                              | 433, 580   |
| 1041                                | $2^4 : 3 \times 2 \times 2 : S_3$        | 1152  | 17325  | 1725, 1773 (3), 1738<br>(3), 2203 (6), 2204<br>(6), 2509 (8)              | 434, 566, 585 (3), 586<br>(3), 591 (3), 594 (3),<br>595, 596 |
| 1042                                | $A_4 \times 2 \times 2 \times 2 : S_3$   | 1152  | 103950 | 1724, 2203, 2205 (3),<br>2636 (8), 2703 (4),<br>2704 (4)                  | 434, 578, 590, 593   |
| 1043                                | $A_4 \times 2 \times 2 \times 2 : S_3$   | 1152  | 103950 | 1774, 1725, 1619,<br>2204, 2205 (3), 2662<br>(4), 2661 (4)                | 434, 585, 592, 597   |
| 1044                                | $2^4 : 3 \times 2 \times 2 : S_3$        | 1152  | 34650  | 1724, 2206, 2207 (3),<br>2705 (4), 2667 (8),<br>2706 (12)                 | 435, 587, 588 (3), 590<br>(3)                                |
| 1045                                | $A_4 \times 2 \times 2 \times 2 : S_3$   | 1152  | 34650  | 1746 (3), 1725, 1775<br>(3), 2206, 2208 (3),<br>2665 (4), 2666 (4)        | 435, 592 (3), 596, 597<br>(3)                                |
| 1046                                | $D_8 \times (A_4 \times 2 \times 2 : 3)$ | 1152  | 51975  | 1776, 1748, 1725,<br>2207 (2), 2208 (2),<br>2668 (8)                      | 435, 589 (2), 591, 597<br>(2)                                |
| 1047                                | $2^5 : S_3 : S_3$                        | 1152  | 103950 | 1609 (2), 1777 (2),<br>1750, 1732 (2), 2119<br>(6), 5882 (16)             | 558, 598, 599  |
| 1048                                | $2^4 : S_3 : S_3 : 2$                    | 1152  | 207900 | 1732, 1749, 1733,<br>4448 (9), 5883 (16)                                  | 558  |
| 1049                                | $2^5 : S_3 : S_3$                        | 1152  | 51975  | 1769 (2), 1608 (2),<br>1738, 1734 (2), 2209<br>(6), 5884 (16)             | 559, 566, 601, 603,<br>612, 613, 616                         |

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|-------------------------------------|--|-------|--------|---|-----------------------------------|
| Nr.                                 | Structure                                      | Order | Length | Maximal Subgroups   | Minimal Overgroups                |
| 1050                                | $2^4 : 3 : S_3 \cdot 2 \times 2$               | 1152  | 51975  | 1735 (2), 1738, 4449 (9), 5885 (16)                                     | 559, 569, 586, 600, 602, 621, 625 |
| 1051                                | $2^4 : 3 \times 2 : S_3 \cdot 2$               | 1152  | 51975  | 1738, 1611 (2), 4450 (9), 5886 (16)                                     | 560, 571, 595, 602, 603, 619, 623 |
| 1052                                | $2^5 \cdot S_3 : S_3$                          | 1152  | 51975  | 1738, 1771 (2), 2210 (6), 5887 (16)                                     | 560, 570, 594, 600, 601, 617, 620 |
| 1053                                | $2^4 : 3 : S_3 \cdot 2 \times 2$               | 1152  | 103950 | 1610 (2), 1750, 4451 (9), 5888 (16)                                     | 561, 576, 598                     |
| 1054                                | $2^5 \cdot S_3 : S_3$                          | 1152  | 103950 | 1750, 1778 (2), 2122 (6), 5889 (16)                                     | 561, 577, 599                     |
| 1055                                | $A_4 \times 2 \times 2 : S_3 \cdot 2 \times 2$ | 1152  | 51975  | 1607 (2), 1738, 4452 (9), 5890 (16)                                     | 563, 586, 610, 611, 612, 617, 619 |
| 1056                                | $2^4 : 3 : S_3 \cdot 2 : 2$                    | 1152  | 103950 | 1607, 1739, 1612, 4453 (9), 5891 (16)                                   | 565, 609, 610                     |
| 1057                                | $2^5 : S_3 : S_3$                              | 1152  | 103950 | 1769, 1736 (2), 1773, 1734 (2), 1737, 2211 (3), 2212 (3), 5892 (16)     | 566, 614, 615                     |
| 1058                                | $2^5 : S_3 : S_3$                              | 1152  | 207900 | 1718, 1613, 1719, 1779, 1736, 1753, 1614, 2213 (3), 2214 (3), 5893 (16) | 567                               |
| 1059                                | $2^4 : 3 \times 2 \times 2 : S_3$              | 1152  | 51975  | 1745, 1753 (2), 1668 (2), 1738, 1748, 2215 (6), 2216 (6), 2510 (8)      | 567, 574, 591, 601, 602, 611, 624 |
| 1060                                | $2^5 : S_3 : S_3$                              | 1152  | 51975  | 1779 (2), 1612 (2), 1770 (2), 1738, 2217 (6), 5894 (16)                 | 567, 594, 608, 610, 613, 623, 625 |
| 1061                                | $2^4 : 3 \times 2 \times 2 : S_3$              | 1152  | 103950 | 1719 (2), 1613 (2), 1770, 1737, 1748, 2218, 2219 (3), 5895 (16)         | 567, 589, 614                     |
| 1062                                | $2^5 : S_3 : S_3$                              | 1152  | 103950 | 1718 (2), 1614 (2), 1770, 1737, 1745, 2220 (3), 2221 (3), 5896 (16)     | 567, 584, 615                     |
| 1063                                | $2^5 : S_3 : S_3$                              | 1152  | 51975  | 1746 (2), 1667, 1739, 1754 (2), 1738, 2222 (6), 2511 (8)                | 568, 574, 596, 600, 603, 610, 622 |
| 1064                                | $2^4 : 3 : S_3 \cdot 2 : 2$                    | 1152  | 51975  | 1720, 1739, 1608, 4454 (9), 5897 (16)                                   | 568, 609 (2), 616 (2)             |

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|-------------------------------------|---|-------|--------|--|-----------------------------------|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 1065                                | $2^4 : 3 \times 2 : S_3 \cdot 2$          | 1152  | 51975  | 1738, 1720, 1611, 4455 (9), 5898 (16)  | 568, 595, 608, 611, 616, 620, 621 |
| 1066                                | $2^5 \cdot S_3 : S_3$                     | 1152  | 51975  | 1774 (2), 1738, 2223 (6), 2512 (8)   | 569, 585, 612, 620, 622, 623, 624 |
| 1067                                | $2^4 : 3 \times 2 \cdot 2 : S_3$          | 1152  | 103950 | 1737, 1776, 1771, 2224, 2225 (3), 5899 (16)                                      | 570, 589, 615                     |
| 1068                                | $2^4 : 3 \times 2 \cdot 2 : S_3$          | 1152  | 51975  | 1772, 1738, 1776, 2226 (6), 2227 (6), 2513 (8)                                   | 570, 591, 613, 618, 619, 621, 622 |
| 1069                                | $2^5 : S_3 \cdot S_3$                     | 1152  | 103950 | 1737, 1771, 1772, 2228 (3), 2229 (3), 5900 (16)                                  | 570, 584, 614                     |
| 1070                                | $2^5 : S_3 : S_3$                         | 1152  | 51975  | 1780 (2), 1739 (2), 1775 (2), 1738, 2230 (6), 2514 (8)                           | 571, 596, 616, 617, 618, 624, 625 |
| 1071                                | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$ | 1152  | 103950 | 1611, 1739, 1608, 4456 (9), 5901 (16)  | 571, 603, 616                     |
| 1072                                | $2^5 : S_3 : S_3$                         | 1152  | 207900 | 1751, 1676, 1672, 1744, 1740, 1757, 1742, 2231 (3), 2118 (3), 2707 (4), 2708 (4) | 573                               |
| 1073                                | $2^5 : S_3 : S_3$                         | 1152  | 207900 | 1752, 1674, 1743, 1671, 1758, 1740, 1747, 2103 (3), 2232 (3), 2515 (4), 2709 (4) | 573                               |
| 1074                                | $2^5 : S_3 : S_3$                         | 1152  | 207900 | 1761, 1675, 1763, 1756, 1677, 1749, 1755, 2233 (3), 2234 (3), 2710 (4), 2711 (4) | 575                               |
| 1075                                | $2^5 : S_3 : S_3$                         | 1152  | 103950 | 1759 (2), 1764, 1750, 1673, 1755 (2), 2123 (6), 2712 (8)                         | 575, 577, 598                     |
| 1076                                | $A_4 \times 2 \times 2 \times 2 : S_3$    | 1152  | 103950 | 1750, 1678 (2), 1762, 1756 (2), 1760, 2120 (6), 2121 (6), 2713 (8)               | 575, 576, 599                     |

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| Nr.                                 | Structure                                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 1077                                | $2^{1+4} : (A_4 \times 3)$                     | 1152  | 51975  | 2235, 2236 (2), 2237, 2638 (8), 2714 (4), 2715 (4), 2716 (8)                 | 579, 604, 605, 606, 607, 626, 627 |
| 1078                                | $2^5 : S_3 : S_3$                              | 1152  | 103950 | 1770, 1769, 1772, 2238 (3), 2239 (3), 5902 (16)                              | 584, 613, 614                     |
| 1079                                | $2^5 : S_3 : S_3$                              | 1152  | 103950 | 1745, 1771, 1769, 2240 (3), 2241 (3), 5903 (16)                              | 584, 601, 615                     |
| 1080                                | $2^5 \cdot S_3 : S_3$                          | 1152  | 103950 | 1774, 1773, 1619, 2242 (3), 2243 (3), 2669 (4), 2670 (4)                     | 585, 628, 629                     |
| 1081                                | $2^4 : 3 \times 2 \times 2 : S_3$              | 1152  | 103950 | 1748, 1771, 1769, 2244, 2245 (3), 5904 (16)                                  | 589, 601, 614                     |
| 1082                                | $2^4 : 3 \times 2 \cdot 2 : S_3$               | 1152  | 103950 | 1770, 1776, 1769, 2246, 2247 (3), 5905 (16)                                  | 589, 613, 615                     |
| 1083                                | $2^4 : 3 \times 2 \cdot 2 : S_3$               | 1152  | 51975  | 1776, 1745, 1773, 2248 (6), 2249 (6), 2672 (8)                               | 591, 615 (2), 628 (2)             |
| 1084                                | $2^4 : 3 \times 2 \times 2 : S_3$              | 1152  | 51975  | 1772, 1748, 1773, 2250 (6), 2251 (6), 2671 (8)                               | 591, 614 (2), 629 (2)             |
| 1085                                | $2^5 \cdot S_3 : S_3$                          | 1152  | 103950 | 1772, 1746, 1774, 2252 (3), 2253 (3), 2643 (4), 2641 (4)                     | 592, 622, 629                     |
| 1086                                | $2^5 : S_3 : S_3$                              | 1152  | 103950 | 1775, 1745, 1774, 2254 (3), 2255 (3), 2679 (4), 2682 (4)                     | 592, 624, 628                     |
| 1087                                | $2^5 : S_3 : S_3$                              | 1152  | 103950 | 1772, 1775, 1619, 2256 (3), 2257 (3), 2676 (4), 2675 (4)                     | 592, 618, 629                     |
| 1088                                | $2^5 : S_3 : S_3$                              | 1152  | 103950 | 1770, 1771, 1773, 2258 (3), 2259 (3), 5906 (16)                              | 594, 614, 615                     |
| 1089                                | $2^5 : S_3 : S_3$                              | 1152  | 103950 | 1773, 1754 (2), 1775, 1780 (2), 1746, 2260 (3), 2261 (3), 2674 (4), 2673 (4) | 596, 628, 629                     |
| 1090                                | $A_4 \times 2 \times 2 \times 2 \cdot 2 : S_3$ | 1152  | 103950 | 1774, 1746, 1776, 2262, 2263 (3), 2644 (4), 2642 (4)                         | 597, 622, 628                     |

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|-------------------------------------|---|-------|--------|---|--|
| Nr.                                 | Structure                                       | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 1091                                | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3$ | 1152  | 103950 | 1775, 1748, 1774, 2264, 2265 (3), 2681 (4), 2680 (4)      | 597, 624, 629  |
| 1092                                | $A_4 \times 2 \times 2 \times 2 \cdot 2 : S_3$  | 1152  | 103950 | 1775, 1619, 1776, 2266, 2267 (3), 2677 (4), 2678 (4)      | 597, 618, 628  |
| 1093                                | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$       | 1152  | 207900 | 1610, 1764, 1609, 4457 (9), 5907 (16)                     | 598  |
| 1094                                | $2^5 \cdot S_3 : S_3$                           | 1152  | 207900 | 1762, 1777, 1778, 2176 (3), 2146 (3), 5908 (16)           | 599  |
| 1095                                | $2^4 : 3 \times 2 \times 2 : S_3$               | 1152  | 207900 | 1760, 1778, 1777, 2158, 2149 (3), 5909 (16)               | 599  |
| 1096                                | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$       | 1152  | 207900 | 1735, 1780, 1779, 4458 (9), 5910 (16)                     | 625  |
| 1097                                | $A_5 \times 3 : S_3$                            | 1080  | 110880 | 1781, 2367, 2369 (3), 3145 (5), 3838 (6), 5049 (10)       | 67, 280, 350, 355, 631, 632, 633   |
| 1098                                | $A_6 \times 3$                                  | 1080  | 18480  | 2380, 3839 (6), 3840 (6), 5050 (10), 5911 (15), 5912 (15) | 252 (3), 370 (3), 437, 630, 634 (3), 635 (3), 639, 640, 641 (3), 642 (3) |
| 1099                                | $A_5 \times 3 : S_3$                            | 1080  | 110880 | 1782, 2381, 2385 (3), 3192 (5), 3838 (6), 5051 (10)       | 280, 643, 644, 645   |
| 1100                                | $A_5 \times 3 : S_3$                            | 1080  | 55440  | 1782, 2374 (6), 2376 (6), 3193 (5), 3841 (6), 5052 (10)   | 281, 638, 643, 646, 648, 650, 652, 655                                   |
| 1101                                | $A_5 \times 3 : S_3$                            | 1080  | 55440  | 1781, 2373 (6), 2375 (6), 3194 (5), 3841 (6), 5053 (10)   | 281, 356 (2), 631, 636, 647, 649, 651, 653, 654                          |
| 1102                                | $A_5 \times 3 : S_3$                            | 1080  | 55440  | 1782, 2390 (6), 2408 (6), 3195 (5), 3842 (6), 5054 (10)   | 282, 644 (2), 648, 656 (2)   |
| 1103                                | $A_5 \times 3 : S_3$                            | 1080  | 55440  | 1781, 2391 (6), 2407 (6), 3196 (5), 3842 (6), 5055 (10)   | 282, 383 (2), 632 (2), 649, 657 (2)                                      |
| 1104                                | $A_5 \times 3 \times S_3$                       | 1080  | 110880 | 1781, 2387, 2392 (3), 3197 (5), 3843 (6), 5056 (10)       | 283, 384, 386, 632, 633, 647   |

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|-------------------------------------|------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                    | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 1105                                | $A_5 \times 3 \times S_3$    | 1080  | 110880 | 1782, 2386, 2393 (3),<br>3198 (5), 3843 (6),<br>5057 (10)  | 283, 644, 645, 646  |
| 1106                                | $S_5 \times 3^2$             | 1080  | 55440  | 1781, 2389 (2), 2379<br>(2), 3199 (5), 3844<br>(6), 5058 (10)  | 284, 385 (2), 633 (2),<br>649, 658 (2)                                |
| 1107                                | $A_5 \times 3 \times 3 : 2$  | 1080  | 55440  | 1782, 2388 (2), 2403<br>(2), 3200 (5), 3844<br>(6), 5059 (10)  | 284, 645 (2), 648, 659<br>(2)   |
| 1108                                | $A_5 \times 3 : S_3$         | 1080  | 110880 | 1781, 2402, 2377 (3),<br>3201 (5), 3845 (6),<br>5060 (10)  | 285, 651, 657, 658  |
| 1109                                | $A_5 \times 3 : S_3$         | 1080  | 110880 | 1782, 2401, 2406 (3),<br>3202 (5), 3845 (6),<br>5061 (10)  | 285, 650, 656, 659  |
| 1110                                | $A_5 \times 3 \times S_3$    | 1080  | 110880 | 1782, 2404, 2409 (3),<br>3203 (5), 3846 (6),<br>5062 (10)  | 286, 655, 656, 659  |
| 1111                                | $A_5 \times 3 \times S_3$    | 1080  | 110880 | 1781, 2405, 2378 (3),<br>3204 (5), 3846 (6),<br>5063 (10)  | 286, 654, 657, 658  |
| 1112                                | $A_6 \times 3$               | 1080  | 18480  | 2380, 3847 (6), 3837<br>(6), 5064 (10), 5913<br>(15), 5914 (15)  | 378 (3), 437, 637 (3),<br>660, 661, 662, 663<br>(3), 664 (3), 665 (3) |
| 1113                                | $2^{1+4} : (D_8 \times 2^2)$ | 1024  | 467775 | 1784, 1805, 1803,<br>1795, 1792, 1812,<br>1809, 1789, 1786,<br>1802, 1797, 1790,<br>1783, 1811, 1800,<br>1785, 1788, 1801,<br>1806, 1791, 1793,<br>1808, 1813, 1799,<br>1796, 1798, 1804,<br>1794, 1810, 1807,<br>1787 | 217, 438, 439, 440  |

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|-------------------------------------|-------------------------------------|-------|--------|--|----------------------------|
| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups         |
| 1114                                | $7 : 3 : 2 \times 2 \times 2 : S_3$ | 1008  | 475200 | 1820, 1816, 1814, 2434, 2425 (3), 3008 (4), 4137 (7)     | 47, 244, 318               |
| 1115                                | $L_2(7) : S_3$                      | 1008  | 237600 | 1819, 2423 (3), 4912 (8), 7267 (21), 7890 (28)           | 48, 387, 667               |
| 1116                                | $L_2(7) \times 3 : 2$               | 1008  | 237600 | 1819, 2424, 4914 (8), 7268 (21), 7891 (28)               | 50, 388, 667               |
| 1117                                | $L_2(7) \times S_3$                 | 1008  | 237600 | 1817, 2428 (3), 4044 (7), 3995 (7), 4916 (8)             | 159, 209, 668              |
| 1118                                | $L_2(7) \times S_3$                 | 1008  | 237600 | 1817, 2427 (3), 4138 (7), 3999 (7), 4917 (8)             | 160, 245 (2), 390 (2), 668 |
| 1119                                | $L_2(7) \times 3 \times 2$          | 1008  | 237600 | 1817, 2427, 4139 (7), 4006 (7), 4918 (8)                 | 163, 668                   |
| 1120                                | $2^3 : 7 : 3 \times S_3$            | 1008  | 475200 | 1818, 2430, 2429 (3), 4140 (7), 4917 (8)                 | 218, 245, 392              |
| 1121                                | $L_2(7) \times S_3$                 | 1008  | 237600 | 1819, 2431 (3), 4141 (14), 4917 (8)                      | 245 (2), 391, 667          |
| 1122                                | $L_2(8) \times 2$                   | 1008  | 158400 | 1821, 5036 (9), 7892 (28), 9089 (36)                     | 441, 442                   |
| 1123                                | $3^{1+2} : S_3 : S_3$               | 972   | 246400 | 1822, 1824, 1823, 2439 (3), 2450 (3), 2442 (3)           | 393, 396 (2), 673          |
| 1124                                | $3^3 \times S_3 : S_3$              | 972   | 246400 | 1825, 1826, 1822, 2444 (3), 2451 (3), 2437 (6), 2440 (3) | 394, 673                   |
| 1125                                | $3^3 : S_3 : S_3$                   | 972   | 246400 | 1828, 1822, 1827, 2443, 2441 (3), 2452 (3)               | 395, 673                   |
| 1126                                | $3^{1+2} : S_3 \times S_3$          | 972   | 246400 | 1826, 1823, 1827, 2453, 2445 (3), 2454 (3)               | 397, 673                   |
| 1127                                | $3^3 : S_3 : S_3$                   | 972   | 246400 | 1825, 1823, 1828, 2446 (6), 2455 (3), 2447 (3), 2456 (3) | 398 (2), 399, 673          |
| 1128                                | $3^3 \times S_3 : S_3$              | 972   | 246400 | 1824, 1826, 1828, 2457, 2458 (3), 2448 (3)               | 400, 673                   |
| 1129                                | $3^{1+2} : S_3 : S_3$               | 972   | 246400 | 1824, 1825, 1827, 2459 (3), 2460 (3), 2449 (3), 2435 (6) | 401, 673                   |

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|-------------------------------------|--|-------|--------|---|--|
| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups   | Minimal Overgroups                     |
| 1130                                | $3 : S_3 : S_3 : 3 \times 3$             | 972   | 61600  | 2461, 2462, 2436 (2),<br>3015 (4), 7893 (27)  | 672, 676, 677, 678,<br>679, 680, 681   |
| 1131                                | $3 : S_3 : S_3 : 3 \times 3$             | 972   | 123200 | 2463 (2), 2464, 2465,<br>3015 (4), 7894 (27)  | 675, 682, 683                          |
| 1132                                | $S_5 \times 2^3$                         | 960   | 83160  | 1831 (3), 1832 (3),<br>1835 (3), 1834 (3),<br>1913, 1903, 1830,<br>3320 (5), 3907 (6),<br>5220 (10) | 129 (3), 289, 447 (3),<br>495, 685 (3) |
| 1133                                | $S_5 \times D_8$                         | 960   | 249480 | 1900, 1830, 1876,<br>1897, 1833, 1846,<br>1836, 3347 (5), 3908<br>(6), 5221 (10)                    | 132, 290, 444, 448,<br>466, 685        |
| 1134                                | $S_5 \times D_8$                         | 960   | 249480 | 1833, 1907, 1852,<br>1878, 1834, 1837,<br>1918, 3348 (5), 3909<br>(6), 5222 (10)                    | 133, 291, 449, 464,<br>685             |
| 1135                                | $S_5 \times 2^3$                         | 960   | 83160  | 1920 (3), 1838 (3),<br>1899 (3), 1881, 1833,<br>1835 (3), 1908, 3351<br>(5), 3910 (6), 5223<br>(10) | 134, 292, 450, 465,<br>685 (3)         |
| 1136                                | $S_5 \times D_8$                         | 960   | 249480 | 1854, 1838, 1911,<br>1904, 1830, 1883,<br>1837, 3352 (5), 3911<br>(6), 5224 (10)                    | 135, 293, 451, 497,<br>685             |
| 1137                                | $S_5 \times (2 \times 4)$                | 960   | 249480 | 1924, 1835, 1837,<br>1922, 1884, 1836,<br>1848, 3355 (5), 3912<br>(6), 5225 (10)                    | 136, 294, 324 (2),<br>452, 685         |
| 1138                                | $S_5 \times D_8$                         | 960   | 249480 | 1927, 1836, 1886,<br>1847, 1834, 1928,<br>1838, 3357 (5), 3913<br>(6), 5226 (10)                    | 137, 295, 453, 685                     |
| 1139                                | $D_{20} \times 2 \times 2 \cdot 2 : S_3$ | 960   | 498960 | 1843, 1857, 1842,<br>1875, 1839, 1874,<br>1858, 2486 (3), 3041<br>(4), 3355 (5)                     | 172, 287, 298, 324,<br>454             |
| 1140                                | $D_{20} \times 2 \times 2 \cdot 2 : S_3$ | 960   | 498960 | 1840, 1844, 1889,<br>1841, 1890, 1888,<br>1891, 2486 (3), 3042<br>(4), 3354 (5)                     | 172, 296, 297                          |

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|-------------------------------------|--|-------|--------|--|------------------------|
| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups  | Minimal Overgroups     |
| 1141                                | $S_5 \times D_8$                         | 960   | 249480 | 1848, 1846, 1852, 1847, 1831, 1899, 1854, 3398 (5), 3906 (6), 5227 (10)                                      | 231 (2), 299, 515, 685 |
| 1142                                | $D_8 \times (A_5 : 2)$                   | 960   | 249480 | 1849, 1851, 1853, 1850, 1866, 1855, 1898, 3402 (5), 3906 (6), 5228 (10)                                      | 233 (2), 299, 686      |
| 1143                                | $D_8 \times (D_{10} \cdot 2) \times S_3$ | 960   | 498960 | 1845, 1893, 1916, 1917, 1892, 1915, 1894, 1859, 1863, 1860, 1861, 1862, 1864, 1895, 1914, 2486 (3), 3421 (5) | 288, 454               |
| 1144                                | $A_5 : 2 \times 2 \times 2 \times 2$     | 960   | 83160  | 1866 (3), 1902, 1865, 1869 (3), 1867 (3), 1870 (3), 1912, 3422 (5), 3907 (6), 5229 (10)                      | 289, 496, 686 (3)      |
| 1145                                | $D_8 \times (A_5 : 2)$                   | 960   | 249480 | 1877, 1868, 1901, 1896, 1865, 1849, 1871, 3423 (5), 3908 (6), 5230 (10)                                      | 290, 471, 472, 686     |
| 1146                                | $D_8 \times (A_5 : 2)$                   | 960   | 249480 | 1868, 1906, 1869, 1879, 1853, 1919, 1872, 3424 (5), 3909 (6), 5231 (10)                                      | 291, 491, 686          |
| 1147                                | $A_5 : 2 \times 2 \times 2 \times 2$     | 960   | 83160  | 1870 (3), 1873 (3), 1898 (3), 1880, 1868, 1921 (3), 1909, 3425 (5), 3910 (6), 5232 (10)                      | 292, 492, 686 (3)      |
| 1148                                | $D_8 \times (A_5 : 2)$                   | 960   | 249480 | 1872, 1882, 1865, 1905, 1910, 1855, 1873, 3426 (5), 3911 (6), 5233 (10)                                      | 293, 498, 686          |
| 1149                                | $A_5 : 2 \times 2 \cdot 2 \times 2$      | 960   | 249480 | 1885, 1872, 1870, 1923, 1925, 1871, 1851, 3427 (5), 3912 (6), 5234 (10)                                      | 294, 686               |

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|-------------------------------------|--------------------------------------|-------|--------|---|----------------------------------|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups   | Minimal Overgroups               |
| 1150                                | $D_8 \times (A_5 : 2)$               | 960   | 249480 | 1873, 1929, 1887, 1850, 1869, 1871, 1926, 3428 (5), 3913 (6), 5235 (10) | 295, 686                         |
| 1151                                | $S_5 \times D_8$                     | 960   | 83160  | 1876, 1881, 1831, 1878, 1886, 1884, 1883, 3429 (5), 3914 (6), 5236 (10) | 300 (3), 445, 502, 685 (3)       |
| 1152                                | $D_8 \times (A_5 : 2)$               | 960   | 249480 | 1880, 1877, 1866, 1879, 1887, 1882, 1885, 3430 (5), 3914 (6), 5237 (10) | 300, 489, 686                    |
| 1153                                | $A_5 \times 2 \times 2 : 2 \times 2$ | 960   | 249480 | 1876, 1907, 1924, 1908, 1832, 1854, 1928, 3431 (5), 3915 (6), 5238 (10) | 301, 446, 501, 685               |
| 1154                                | $A_5 \times 2 \times 2 : 2 \times 2$ | 960   | 249480 | 1906, 1877, 1867, 1909, 1925, 1855, 1929, 3432 (5), 3915 (6), 5239 (10) | 301, 490, 686                    |
| 1155                                | $D_8 \times (A_5 \times 2)$          | 960   | 249480 | 1904, 1913, 1878, 1897, 1922, 1847, 1908, 3433 (5), 3916 (6), 5240 (10) | 302, 467, 468, 503, 685          |
| 1156                                | $D_8 \times (A_5 \times 2)$          | 960   | 249480 | 1905, 1912, 1879, 1896, 1923, 1850, 1909, 3434 (5), 3916 (6), 5241 (10) | 302, 473, 474, 686               |
| 1157                                | $S_5 \times D_8$                     | 960   | 249480 | 1881, 1907, 1911, 1897, 1903, 1848, 1927, 3435 (5), 3917 (6), 5242 (10) | 303, 469, 470, 482 (2), 504, 685 |
| 1158                                | $D_8 \times (A_5 : 2)$               | 960   | 249480 | 1906, 1880, 1910, 1896, 1902, 1926, 1851, 3436 (5), 3917 (6), 5243 (10) | 303, 475, 476, 686               |
| 1159                                | $S_5 \times D_8$                     | 960   | 249480 | 1900, 1903, 1918, 1904, 1884, 1928, 1899, 3437 (5), 3918 (6), 5244 (10) | 304, 494, 517, 685               |
| 1160                                | $D_8 \times (A_5 : 2)$               | 960   | 249480 | 1901, 1902, 1919, 1905, 1885, 1929, 1898, 3438 (5), 3918 (6), 5245 (10) | 304, 493, 686                    |

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|-------------------------------------|--|-------|--------|--|---|
| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups  | Minimal Overgroups                      |
| 1161                                | $A_5 \times 2 \times 2 \times 2 : 2$     | 960   | 249480 | 1901, 1910, 1887, 1912, 1853, 1921, 1925, 3439 (5), 3919 (6), 5246 (10)          | 305, 499, 686                           |
| 1162                                | $A_5 \times 2 \times 2 \times 2 : 2$     | 960   | 249480 | 1911, 1900, 1852, 1913, 1886, 1920, 1924, 3440 (5), 3919 (6), 5247 (10)          | 305, 500, 516, 685                      |
| 1163                                | $A_5 \times 2 \cdot 2 : 2 \times 2$      | 960   | 249480 | 1919, 1882, 1921, 1923, 1867, 1926, 1849, 3441 (5), 3920 (6), 5248 (10)          | 306, 686                                |
| 1164                                | $A_5 \times 2 \cdot 2 : 2 \times 2$      | 960   | 249480 | 1883, 1918, 1832, 1922, 1920, 1927, 1846, 3442 (5), 3920 (6), 5249 (10)          | 306, 514, 685                           |
| 1165                                | $2^4 : A_5$                              | 960   | 62370  | 3443 (5), 3921 (6), 5250 (10), 7109 (16)   | 684, 687, 689, 690, 691, 692, 693       |
| 1166                                | $3 : S_3 \cdot 2 \times 2 \cdot 2 : S_3$ | 864   | 554400 | 1932, 1931, 1933, 2562 (3), 3205 (4), 5251 (9)                                   | 16, 527                                 |
| 1167                                | $S_3 \times 2^2 : S_3 \times S_3$        | 864   | 138600 | 1938 (2), 1967, 1936, 1937 (2), 1951, 2506 (6), 2564 (3), 3157 (4)               | 95 (2), 187, 220 (2), 696, 702, 710     |
| 1168                                | $S_3 \times 2^2 : S_3 \times S_3$        | 864   | 138600 | 1936, 1940 (2), 1996, 1939 (2), 1998, 2507 (6), 2683 (3), 3206 (4)               | 96 (2), 354 (2), 418 (4), 696, 700, 714 |
| 1169                                | $2^2 \times 6 : S_3 : S_3$               | 864   | 138600 | 2021, 1936, 1942 (2), 2022, 1941 (2), 2508 (6), 2717 (3), 3207 (4)               | 97 (2), 696, 715, 738                   |
| 1170                                | $S_3 \times 2^2 : S_3 \times S_3$        | 864   | 277200 | 1989, 1937, 1939, 1988, 1954, 1941, 1955, 2508 (3), 2537 (3), 2605 (3), 3158 (4) | 98, 188, 221, 696                       |
| 1171                                | $2^2 \times 6 \times S_3 : S_3$          | 864   | 277200 | 1955, 1940, 1937, 1990, 1991, 1942, 1957, 2507, 2606 (3), 2539 (3), 3159 (4)     | 99, 189, 222, 696                       |

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|-------------------------------------|---|-------|--------|--|-----------------------------------|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 1172                                | $2^2 : S_3 \times S_3 \times S_3$         | 864   | 277200 | 1941, 1940, 2023, 1938, 2024, 1989, 1991, 2541 (3), 2607 (3), 2511 (3), 3171 (4)           | 100, 226, 696                     |
| 1173                                | $A_4 \times 2 : S_3 \times S_3$           | 864   | 277200 | 1938, 2025, 2023, 1942, 1990, 1988, 1939, 2543 (3), 2608 (3), 2586 (6), 2510 (3), 3173 (4) | 101, 227, 696                     |
| 1174                                | $2^4 : 3 : 3 : S_3$                       | 864   | 138600 | 2009, 2509, 2636 (6), 2551 (3), 2662 (3), 3194 (4), 3145 (4)                               | 102, 355, 356, 434, 695, 698, 699 |
| 1175                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 1936, 1944, 1946, 2521 (3), 3146 (4), 5252 (9)   | 180 (2), 700, 702, 738            |
| 1176                                | $2^2 : S_3 \times S_3 \times S_3$         | 864   | 138600 | 1945 (2), 1998, 1947 (2), 1944, 1948, 2595 (6), 2522 (3), 3147 (4)                         | 181 (2), 700, 712, 716            |
| 1177                                | $A_4 \times S_3 \times S_3 : 2$           | 864   | 138600 | 1996, 1944, 1949, 2523, 3148 (4), 5253 (9)   | 182 (2), 700, 708, 717            |
| 1178                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 1936, 1948, 1949, 2527 (3), 3149 (4), 5254 (9)   | 183 (2), 700, 710, 715            |
| 1179                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 1946, 1949, 1998, 2528 (3), 3150 (4), 5255 (9)   | 185 (2), 700, 705, 737            |
| 1180                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 1996, 1948, 1946, 2529 (3), 3151 (4), 5256 (9)   | 186 (2), 700, 706, 736            |
| 1181                                | $S_3 \times 2^2 : S_3 \times S_3$         | 864   | 138600 | 1950 (2), 2026, 1992, 2027 (2), 1952, 2533 (6), 2564 (3), 3167 (4)                         | 187, 701, 703, 711                |
| 1182                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 277200 | 1956, 1950, 1993, 1953, 2028, 2029, 2030, 2536 (3), 2605 (3), 2535 (3), 3168 (4)           | 188, 701                          |

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|-------------------------------------|---|-------|--------|--|-------------------------|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups      |
| 1183                                | $2^2 \times 6 \times S_3 : S_3$           | 864   | 277200 | 2031, 2032, 1958, 1950, 1956, 2033, 1994, 2534, 2538 (3), 2606 (3), 3169 (4)     | 189, 701                |
| 1184                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 1951, 1946, 1975, 2609 (3), 3161 (4), 5187 (9)                                   | 190, 229, 702, 705, 706 |
| 1185                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 1952, 2034, 1983, 2609 (3), 3162 (4), 5188 (9)                                   | 190, 230, 703, 704, 707 |
| 1186                                | $S_3 \times 2^2 : S_3 \times S_3$         | 864   | 138600 | 1951, 1955 (2), 2022, 2023 (2), 1996, 2543 (6), 2718 (3), 3171 (4)               | 191, 696, 706, 708      |
| 1187                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 2035, 1956 (2), 1952, 2036 (2), 1995, 2542 (6), 2718 (3), 3170 (4)               | 191, 701, 707, 709      |
| 1188                                | $2^2 \times 6 : S_3 : S_3$                | 864   | 138600 | 2037, 1953, 2038, 1997, 2039, 1952, 1958, 2540 (6), 2546 (6), 2719 (3), 3172 (4) | 192, 701, 704, 713      |
| 1189                                | $2^2 \times 6 : S_3 : S_3$                | 864   | 138600 | 2021, 1951, 1998, 2025, 2024, 1954, 1957, 2719 (3), 2547 (6), 2541 (6), 3173 (4) | 192, 696, 705, 712      |
| 1190                                | $S_3 \times 2^2 : S_3 \times S_3$         | 864   | 138600 | 2040 (2), 1952, 1959 (2), 1999, 2041, 2544 (6), 2720 (3), 3174 (4)               | 193, 703, 709, 713      |
| 1191                                | $2^2 : S_3 \times S_3 \times S_3$         | 864   | 138600 | 2042 (2), 1951, 1960 (2), 1944, 2000, 2545 (6), 2720 (3), 3175 (4)               | 193, 702, 708, 712      |
| 1192                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 2001, 2043, 1952, 2721 (3), 3176 (4), 5190 (9)                                   | 194, 704, 709, 711      |
| 1193                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 1949, 2002, 1951, 2721 (3), 3177 (4), 5189 (9)                                   | 194, 705, 708, 710      |

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|-------------------------------------|---|-------|--------|--|-----------------------------|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups          |
| 1194                                | $S_3 \times 2^2 : S_3 \times S_3$         | 864   | 138600 | 1961 (2), 2004, 2044 (2), 2045, 1952, 2722 (3), 2548 (6), 3179 (4)   | 195, 707, 711, 713          |
| 1195                                | $S_3 \times 2^2 : S_3 \times S_3$         | 864   | 138600 | 1962 (2), 2003, 2046 (2), 1951, 1948, 2549 (6), 2722 (3), 3178 (4)   | 195, 706, 710, 712          |
| 1196                                | $S_3 \times 2^2 : S_3 \times S_3$         | 864   | 277200 | 2047, 2048, 2049, 1959, 2005, 1953, 1961, 2561 (3), 2723 (3), 2559 (3), 3180 (4)                             | 196, 713                    |
| 1197                                | $S_3 \times 2^2 : S_3 \times S_3$         | 864   | 277200 | 1954, 2006, 2050, 1945, 1962, 1960, 2051, 2560 (3), 2558 (3), 2723 (3), 3181 (4)                             | 196, 712                    |
| 1198                                | $2^2 \times 6 \times S_3 : S_3$           | 864   | 277200 | 1960, 2007, 1962, 2052, 1947, 2053, 1957, 2555, 2724 (3), 2557 (3), 3182 (4)                                 | 197, 712                    |
| 1199                                | $2^2 \times 6 \times S_3 : S_3$           | 864   | 277200 | 1958, 2054, 2055, 2056, 1961, 1959, 2008, 2554, 2724 (3), 2556 (3), 3183 (4)                                 | 197, 713                    |
| 1200                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 1936, 2000, 1975, 2587 (3), 3156 (4), 5257 (9)   | 219, 359 (2), 702, 714, 715 |
| 1201                                | $S_3 \times S_3 : 2 \times 2 \times S_3$  | 864   | 554400 | 1943, 1963, 1964, 1969, 1971, 2016, 1966, 1970, 1968, 1979, 1981, 2014, 1965, 1977, 2015, 2571 (3), 5227 (9) | 223, 231, 423, 528, 530     |
| 1202                                | $S_3 \times 2^2 : S_3 \times S_3$         | 864   | 138600 | 1998, 1967, 1991 (2), 2022, 1988 (2), 2565 (3), 2579 (6), 3158 (4)   | 224 (2), 696, 716, 737      |
| 1203                                | $A_4 \times 2 \times S_3 \times S_3$      | 864   | 138600 | 1967, 1990 (2), 1996, 1989 (2), 2021, 2566, 2580 (6), 3159 (4)   | 225 (2), 696, 717, 736      |

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|-------------------------------------|---|-------|--------|--|---|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups                              |
| 1204                                | $A_4 \times S_3 \times S_3 : 2$           | 864   | 138600 | 1967, 1975, 1944, 2573, 3160 (4), 5258 (9)   | 228, 702, 716, 717                              |
| 1205                                | $D_{12} \times S_3 : 2 \times S_3$        | 864   | 554400 | 1984, 2011, 1985, 1974, 1976, 1980, 1973, 1987, 2010, 2013, 1978, 1972, 1982, 1986, 2012, 2610 (3), 5228 (9) | 232, 233, 422, 535                              |
| 1206                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 1975, 2002, 1998, 2588 (3), 3163 (4), 5259 (9)   | 234, 363 (2), 705, 714, 716                     |
| 1207                                | $A_4 \times S_3 \times S_3 : 2$           | 864   | 138600 | 1996, 1975, 2003, 2589, 3164 (4), 5260 (9)   | 235, 360 (2), 706, 714, 717                     |
| 1208                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 1992, 1983, 1999, 2611 (3), 3184 (4), 5261 (9)   | 236, 365 (2), 703, 718, 721                     |
| 1209                                | $A_4 \times S_3 \times S_3 : 2$           | 864   | 138600 | 1995, 2004, 1983, 2612, 3185 (4), 5262 (9)   | 237, 366 (2), 707, 718, 719                     |
| 1210                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 2001, 1983, 1997, 2613 (3), 3186 (4), 5263 (9)   | 238, 369 (2), 704, 718, 720                     |
| 1211                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 1975, 2022, 1948, 2614 (3), 3165 (4), 5264 (9)   | 239, 706, 715, 716                              |
| 1212                                | $A_4 \times 3 : S_3 \cdot 2 \times 2$     | 864   | 138600 | 1975, 2021, 1949, 2615, 3166 (4), 5265 (9)   | 240, 705, 715, 717                              |
| 1213                                | $A_4 \times S_3 \times S_3 : 2$           | 864   | 138600 | 2026, 2041, 1983, 2570, 3187 (4), 5266 (9)   | 241, 703, 719, 720                              |
| 1214                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 1983, 2035, 2045, 2616 (3), 3188 (4), 5267 (9)   | 242, 707, 720, 721                              |
| 1215                                | $A_4 \times 3 : S_3 \cdot 2 \times 2$     | 864   | 138600 | 2038, 2043, 1983, 2617, 3189 (4), 5268 (9)   | 243, 704, 719, 721                              |
| 1216                                | $A_4 \times 3 \times 2 \times 2 : S_3$    | 864   | 69300  | 2009, 2639, 2661 (6), 2703 (6), 3145 (8)   | 350 (2), 434, 695, 697, 722, 723, 725, 727, 728 |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups   | Minimal Overgroups                     |
| 1217                                | $S_3 \times 2^2 \times S_3 : S_3$      | 864   | 138600 | 1994 (2), 1993 (2),<br>1997, 1992, 1995,<br>2598 (6), 2725 (3),<br>3208 (4) | 371 (2), 701, 718, 734                 |
| 1218                                | $S_3 \times 2^2 \times S_3 : S_3$      | 864   | 138600 | 1996, 2002, 2000,<br>2726 (3), 3209 (4),<br>5269 (9)                        | 372 (2), 708, 714, 736                 |
| 1219                                | $S_3 \times 2^2 \times S_3 : S_3$      | 864   | 138600 | 1995, 2001, 1999,<br>2727 (3), 3210 (4),<br>5270 (9)                        | 373 (2), 709, 718, 732                 |
| 1220                                | $S_3 \times 2^2 \times S_3 : S_3$      | 864   | 138600 | 1936, 2002, 2003,<br>2728 (3), 3211 (4),<br>5271 (9)                        | 374 (2), 710, 714, 738                 |
| 1221                                | $S_3 \times 2^2 \times S_3 : S_3$      | 864   | 138600 | 2004, 1992, 2001,<br>2729 (3), 3212 (4),<br>5272 (9)                        | 375 (2), 711, 718, 733                 |
| 1222                                | $2^2 : S_3 \times S_3 \times S_3$      | 864   | 138600 | 2006 (2), 1998, 2000,<br>2007 (2), 2003, 2593<br>(6), 2730 (3), 3213<br>(4) | 376 (2), 712, 714, 737                 |
| 1223                                | $S_3 \times 2^2 : S_3 \times S_3$      | 864   | 138600 | 2008 (2), 2004, 2005<br>(2), 1997, 1999, 2597<br>(6), 2731 (3), 3214<br>(4) | 377 (2), 713, 718, 735                 |
| 1224                                | $A_4 \times 2 \times 2 : 3 : S_3$      | 864   | 69300  | 2009, 2663 (6), 2701<br>(12), 2699 (6), 2664<br>(12), 2652 (3), 3196<br>(8) | 383 (2), 432, 698 (2),<br>722, 724 (2) |
| 1225                                | $2^4 : 3 : 3 \times S_3$               | 864   | 69300  | 2009, 2705 (2), 2665<br>(2), 2654 (3), 3197<br>(8)                          | 384 (2), 435, 699 (2),<br>722, 726 (2) |
| 1226                                | $A_4 \times 3 \times 2 \times 2 : S_3$ | 864   | 138600 | 2009, 2666, 2667 (2),<br>2646, 2668 (3), 3197<br>(4), 3199 (4)              | 385, 386, 435, 698,<br>699, 723        |
| 1227                                | $2^3 \times 6 : 3 : S_3$               | 864   | 138600 | 2009, 2691, 2690 (2),<br>2732, 2692 (3), 7186<br>(16)                       | 428, 697, 724, 726                     |
| 1228                                | $2^4 : 3 \times 3 : S_3$               | 864   | 138600 | 2009, 2696, 2693 (6),<br>2698 (3), 2519 (3),<br>7187 (16)                   | 431, 724, 726, 727                     |
| 1229                                | $M_9 : 2 \times S_3$                   | 864   | 554400 | 2057, 2017, 2019,<br>2058, 2018, 2059,<br>2060, 2562 (3), 5273<br>(9)       | 527                                    |

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| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 1230                                | $S_3 \times 2^2 : S_3 \times S_3$         | 864   | 138600 | 1997, 2031 (2), 2035, 2028 (2), 2026, 2601 (6), 2567 (3), 3215 (4)                         | 701, 720, 735      |
| 1231                                | $2^2 \times 6 : S_3 : S_3$                | 864   | 138600 | 1992, 2033 (2), 2035, 2029 (2), 2038, 2604 (6), 2733 (3), 3216 (4)                         | 701, 721, 733      |
| 1232                                | $A_4 \times 2 \times S_3 \times S_3$      | 864   | 138600 | 2030 (2), 2032 (2), 2026, 2038, 1995, 2563, 2599 (6), 3217 (4)                             | 701, 719, 732      |
| 1233                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 277200 | 1994, 2031, 2036, 2037, 2027, 2029, 2030, 2707 (3), 2686 (3), 2618 (3), 3218 (4)           | 701                |
| 1234                                | $2^2 \times 6 : S_3 \times S_3$           | 864   | 277200 | 2036, 2027, 2039, 2028, 2032, 1993, 2033, 2687 (3), 2709 (3), 2516 (6), 2619 (3), 3219 (4) | 701                |
| 1235                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 1967, 2000, 1946, 2734 (3), 3220 (4), 5274 (9)   | 702, 736, 737      |
| 1236                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 2026, 2034, 1999, 2499 (3), 3221 (4), 5275 (9)   | 703, 732, 735      |
| 1237                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 1992, 2034, 2041, 2735 (3), 3222 (4), 5276 (9)   | 703, 733, 734      |
| 1238                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 2043, 2034, 1997, 2736 (3), 3223 (4), 5277 (9)   | 704, 734, 735      |
| 1239                                | $2^2 \times 6 : S_3 \cdot S_3$            | 864   | 138600 | 2001, 2034, 2038, 2737 (3), 3224 (4), 5278 (9)   | 704, 732, 733      |
| 1240                                | $2^2 \times 6 : S_3 \cdot S_3$            | 864   | 138600 | 1946, 2002, 2021, 2738 (3), 3225 (4), 5279 (9)   | 705, 736, 738      |
| 1241                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 2003, 2022, 1946, 2739 (3), 3226 (4), 5280 (9)   | 706, 737, 738      |

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|-------------------------------------|---|-------|--------|--|--------------------|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 1242                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 2004, 2034, 2035, 2740 (3), 3227 (4), 5281 (9)                                   | 707, 733, 735      |
| 1243                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 1995, 2045, 2034, 2741 (3), 3228 (4), 5282 (9)                                   | 707, 732, 734      |
| 1244                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 2002, 1944, 2022, 2742 (3), 3229 (4), 5283 (9)                                   | 708, 716, 738      |
| 1245                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 2000, 1949, 2022, 2743 (3), 3230 (4), 5284 (9)                                   | 708, 715, 737      |
| 1246                                | $A_4 \times S_3 \times S_3 : 2$           | 864   | 138600 | 1995, 2043, 2041, 2744, 3231 (4), 5285 (9)                                       | 709, 719, 734      |
| 1247                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 2041, 2035, 2001, 2745 (3), 3232 (4), 5286 (9)                                   | 709, 720, 733      |
| 1248                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 2043, 2035, 1999, 2746 (3), 3233 (4), 5287 (9)                                   | 709, 721, 735      |
| 1249                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 2002, 1967, 1948, 2747 (3), 3234 (4), 5288 (9)                                   | 710, 716, 736      |
| 1250                                | $A_4 \times S_3 \times S_3 : 2$           | 864   | 138600 | 2003, 1967, 1949, 2748, 3235 (4), 5289 (9)                                       | 710, 717, 737      |
| 1251                                | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 2043, 2045, 1992, 2749 (3), 3236 (4), 5290 (9)                                   | 711, 721, 734      |
| 1252                                | $A_4 \times S_3 \times S_3 : 2$           | 864   | 138600 | 2004, 2043, 2026, 2750, 3237 (4), 5291 (9)                                       | 711, 719, 735      |
| 1253                                | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 2026, 2045, 2001, 2505 (3), 3238 (4), 5292 (9)                                   | 711, 720, 732      |
| 1254                                | $2^2 : S_3 \times S_3 \times S_3$         | 864   | 277200 | 2042, 2051, 2050, 1947, 2046, 2024, 2007, 2751 (3), 2685 (3), 2515 (3), 3239 (4) | 712                |

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|-------------------------------------|--------------------------------------|-------|--------|--|--------------------|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 1255                                | $A_4 \times 2 \times S_3 \times S_3$ | 864   | 138600 | 2051 (2), 2003, 2053 (2), 1944, 2021, 2752, 2596 (6), 3240 (4)                             | 712, 717, 738      |
| 1256                                | $A_4 \times 2 \times S_3 : S_3$      | 864   | 277200 | 2052, 1945, 2046, 2025, 2006, 2042, 2053, 2753 (6), 2754 (3), 2708 (3), 2688 (3), 3241 (4) | 712                |
| 1257                                | $2^2 \times 6 : S_3 : S_3$           | 864   | 138600 | 2052 (2), 2021, 2050 (2), 1948, 2000, 2594 (6), 2755 (3), 3242 (4)                         | 712, 715, 736      |
| 1258                                | $S_3 \times 2^2 : S_3 \times S_3$    | 864   | 277200 | 2037, 2048, 2055, 2049, 2044, 2040, 2008, 2756 (3), 2712 (3), 2710 (3), 3243 (4)           | 713                |
| 1259                                | $A_4 \times 2 \times S_3 : S_3$      | 864   | 277200 | 2047, 2056, 2044, 2040, 2005, 2039, 2054, 2757 (6), 2758 (3), 2711 (3), 2713 (3), 3244 (4) | 713                |
| 1260                                | $A_4 \times 2 \times S_3 \times S_3$ | 864   | 138600 | 2054 (2), 2004, 2048 (2), 2038, 2041, 2759, 2600 (6), 3245 (4)                             | 713, 719, 733      |
| 1261                                | $S_3 \times 2^2 : S_3 \times S_3$    | 864   | 138600 | 2055 (2), 2041, 2047 (2), 2045, 1997, 2760 (3), 2602 (6), 3246 (4)                         | 713, 720, 734      |
| 1262                                | $2^2 \times 6 : S_3 : S_3$           | 864   | 138600 | 2056 (2), 2038, 2049 (2), 2045, 1999, 2603 (6), 2761 (3), 3247 (4)                         | 713, 721, 732      |
| 1263                                | $35 : 3 : 2 \cdot 2 : 2$             | 840   | 570240 | 2063, 2061, 2062, 2823, 3861 (5), 4949 (7)   | 51, 318            |
| 1264                                | $L_2(7) \times 5$                    | 840   | 142560 | 3863, 4934 (7), 4950 (7), 5151 (8)   | 198, 739           |
| 1265                                | $A_5 \times 7 : 2$                   | 840   | 95040  | 2064, 3871 (5), 4429 (6), 4951 (7), 5784 (10)  | 546, 740           |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups   | Minimal Overgroups         |
| 1266                                | $A_5 \times 7 : 2$                     | 840   | 95040  | 2064, 3872 (5), 4430 (6), 4952 (7), 5785 (10)   | 547, 740                   |
| 1267                                | $S_5 \times 7$                         | 840   | 95040  | 2064, 3870 (5), 4431 (6), 4953, 5786 (10)   | 548, 740                   |
| 1268                                | $5^2 : 2 \cdot 2 : 2 \cdot 2 : 2$      | 800   | 299376 | 2066, 2065, 2071, 8096 (25)   | 103, 741                   |
| 1269                                | $5^2 : 2 \cdot 2 : 2 \cdot 2 : 2$      | 800   | 299376 | 2068, 2065, 2074, 8097 (25)   | 104, 741                   |
| 1270                                | $5^2 : 2 \cdot 2 \cdot 2 : 2 \times 2$ | 800   | 299376 | 2075, 2067, 2076 (2), 2065, 2077 (2), 8098 (25)   | 105, 741                   |
| 1271                                | $5^2 : 2 \cdot 2 : 2 \cdot 2 : 2$      | 800   | 299376 | 2066, 2067, 2074, 8099 (25)   | 106 (2), 107, 741          |
| 1272                                | $5^2 : 2 \cdot 2 : 2 : 2 \times 2$     | 800   | 299376 | 2066, 2069 (2), 2078 (2), 2075, 2079, 2070 (2), 2080 (2), 2068, 2081, 2082, 2083, 8100 (25) | 109, 741                   |
| 1273                                | $5^2 : 2 \cdot 2 : 2 \cdot 2 : 2$      | 800   | 299376 | 2068, 2067, 2071, 8101 (25)   | 110, 741                   |
| 1274                                | $5^2 : 2 : 2 \cdot 2 \cdot 2 \times 2$ | 800   | 299376 | 2072 (2), 2073 (2), 2074, 2071, 2075, 3912 (10)   | 324 (2), 741               |
| 1275                                | $2^{1+4} : 2^2 : S_3$                  | 768   | 155925 | 2138 (2), 2268, 2136, 2133, 2084 (2), 2826 (3), 3319 (4)                                    | 56, 402 (2), 742, 743, 745 |
| 1276                                | $2^{1+4} : 2^2 : S_3$                  | 768   | 311850 | 2131, 2085, 2139, 2140, 2190, 2084, 2189, 2827 (3), 3321 (4)                                | 57, 403, 562 (2), 742      |
| 1277                                | $2^{1+4} : 2^2 : S_3$                  | 768   | 311850 | 2142, 2131, 2084, 2269, 2086, 2270, 2141, 2828 (3), 3323 (4)                                | 58, 404, 742               |
| 1278                                | $2^{1+4} : 2^2 : S_3$                  | 768   | 155925 | 2271, 2086, 2085, 2272, 2133, 2273, 2274, 2829 (3), 3328 (4)                                | 61, 742, 744, 746          |
| 1279                                | $2^{1+4} : 4 : S_3$                    | 768   | 155925 | 2275, 2133, 2276, 2830 (3), 3331 (4)  | 62, 743, 746, 747          |
| 1280                                | $2^{1+4} : 2^2 : S_3$                  | 768   | 155925 | 2086 (2), 2277, 2133, 2278 (2), 2279, 2831 (3), 3334 (4)                                    | 64, 744, 745, 747          |

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|-------------------------------------|---------------------------------------|-------|--------|---|-------------------------------|
| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups   | Minimal Overgroups            |
| 1281                                | $2 \times 4^2 : 2 : 2 : 3 : 2$        | 768   | 155925 | 2137, 2854, 3444 (8),<br>3445 (4), 3446 (4),<br>3447 (4)  | 128, 748, 749, 750            |
| 1282                                | $D_8 \times 2^4 : S_3$                | 768   | 623700 | 2096, 2108, 2121,<br>2094, 2233, 2135,<br>2099, 2164, 2114,<br>2109, 2174, 2092,<br>2125, 2231, 2089,<br>2123, 2106, 2117,<br>2172, 2102, 2185,<br>2234, 2170, 2173,<br>2112, 2115, 2232,<br>2097, 2124, 2165,<br>2104, 2855 (3), 3389<br>(4) | 199, 250, 438, 573,<br>575    |
| 1283                                | $D_8 \times 2^4 : S_3$                | 768   | 311850 | 2095, 2107 (2), 2216,<br>2093, 2110 (2), 2113<br>(2), 2100, 2188,<br>2184, 2091, 2103 (2),<br>2090, 2222, 2105 (2),<br>2118 (2), 2280, 2101,<br>2116 (2), 2111 (2),<br>2191, 2183, 2098,<br>2281, 2855 (3), 3388<br>(4)                       | 199 (2), 573 (2), 574,<br>764 |
| 1284                                | $D_8 \times 2 : 2 \times 2 : 2 : S_3$ | 768   | 155925 | 2137, 2856 (3), 3391<br>(4), 3448 (4), 3449<br>(4)  | 200, 748, 752, 753            |
| 1285                                | $2^{1+4} : 2^2 : S_3$                 | 768   | 155925 | 2282, 2136, 2276,<br>2856 (3), 3390 (4)   | 200, 743, 751, 754            |
| 1286                                | $2^6 : 2 : S_3$                       | 768   | 623700 | 2158, 2119, 2120,<br>2146, 2122, 2176,<br>2149, 2857 (3), 3450<br>(4)   | 251, 439, 599                 |
| 1287                                | $2^{1+4} : 2^2 \times S_3$            | 768   | 623700 | 2171, 2162, 2169,<br>2180, 2128, 2160,<br>2127, 2161, 2166,<br>2178, 2179, 2129,<br>2126, 2130, 2181,<br>2827 (3)   | 269, 440, 562                 |

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| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups  | Minimal Overgroups                  |
| 1288                                | $D_8 \times 2^2 : 2 \times 2 \cdot S_3$      | 768   | 155925 | 2283, 2205, 2284, 2835 (3), 3406 (4)   | 274, 755, 758, 759                  |
| 1289                                | $D_8 \times (A_4 \times 2) \cdot 2 : 2$      | 768   | 155925 | 2285, 2205, 2286, 2836, 3407 (4)   | 278, 756, 757, 758                  |
| 1290                                | $2^{1+4} \times 2^2 : S_3$                   | 768   | 51975  | 2282 (3), 2133 (3), 2235, 2858 (3), 3451 (8), 3324 (4)   | 307 (2), 579, 743 (3), 744, 760 (3) |
| 1291                                | $2 \times 4 : 2 : 2 \times 2 \times 2 : S_3$ | 768   | 103950 | 2209 (3), 2212 (3), 2134 (3), 2211 (3), 2195, 2203, 2193, 2858 (3), 3451 (4)                         | 307, 566, 578, 761 (3)              |
| 1292                                | $D_8 \times 2^2 : 2 \times 2 : S_3$          | 768   | 311850 | 2182 (2), 2214 (2), 2215, 2221, 2132 (2), 2219, 2220, 2218, 2134, 2213 (2), 2217, 2859 (3), 3452 (4) | 308, 567, 761                       |
| 1293                                | $2^{1+4} \times 2^2 : S_3$                   | 768   | 155925 | 2287 (2), 2131 (2), 2288, 2289, 2133, 2859 (3), 3452 (8), 3326 (4)                                   | 308 (2), 742, 747, 760              |
| 1294                                | $2^{1+4} \times 4 : S_3$                     | 768   | 155925 | 2290, 2291, 2133, 2860 (3), 3453 (8), 3333 (4)   | 309 (2), 745, 746, 760              |
| 1295                                | $D_8 \times (2 \times 4) : 2 : S_3$          | 768   | 311850 | 2226, 2229, 2134, 2224, 2225, 2228, 2210, 2860 (3), 3453 (4)   | 309, 570, 761                       |
| 1296                                | $2^2 \times 4 \cdot 2 : 2 : 2 : S_3$         | 768   | 155925 | 2137, 2861 (3), 3454 (4), 3455 (4), 3456 (4)   | 405 (2), 748, 762, 776              |
| 1297                                | $2^4 \cdot 2 : 2 : 2 : 3 : 2$                | 768   | 155925 | 2137, 2862, 3457 (4), 3458 (8), 3459 (4), 3460 (4)   | 406 (2), 750, 752, 762              |
| 1298                                | $2^{1+4} : (2^2 \times 6)$                   | 768   | 155925 | 2271, 2142 (2), 2139 (2), 2288, 2136, 2863, 3461 (4)   | 407 (2), 742, 751, 773              |
| 1299                                | $2 \times 4 : 2 : 2 \times 2 : 2 \cdot S_3$  | 768   | 155925 | 2137, 2864 (3), 3462 (4), 3463 (4), 3464 (4)   | 408 (2), 749, 753, 762              |
| 1300                                | $2^{1+4} : 2^2 : S_3$                        | 768   | 155925 | 2141 (2), 2289, 2140 (2), 2272, 2136, 2865 (3), 3465 (4)   | 409 (2), 742, 754, 767              |

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|-------------------------------------|---------------------------------------|-------|--------|--|-----------------------------|
| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups          |
| 1301                                | $2^{1+4} : 2^2 : S_3$                 | 768   | 311850 | 2189, 2142, 2140, 2269, 2138, 2287, 2273, 2866 (3), 3466 (4)                                     | 410, 742                    |
| 1302                                | $2^{1+4} : 2^2 : S_3$                 | 768   | 311850 | 2274, 2138, 2139, 2270, 2141, 2287, 2190, 2867 (3), 3467 (4)                                     | 411, 742                    |
| 1303                                | $D_8 \times 2 : 2 \times 2 : 2 : S_3$ | 768   | 623700 | 2151, 2144, 2154, 2159, 2153, 2145, 2175, 2868 (3), 3450 (4)                                     | 439                         |
| 1304                                | $2^5 \cdot 2 : 2 : S_3$               | 768   | 623700 | 2148, 2155, 2143, 2157, 2152, 2177, 2147, 2869 (3), 3450 (4)                                     | 439, 580                    |
| 1305                                | $2^{1+4} : (A_4 \times 2)$            | 768   | 155925 | 2194 (2), 2292 (2), 2205, 2237, 2293, 2858, 3468 (4)   | 578 (2), 579, 755, 756, 763 |
| 1306                                | $2^2 \times 4 : 2 \times 2 : 2 : S_3$ | 768   | 623700 | 2196, 2192, 2201, 2869 (3), 3469 (4), 3470 (4), 3471 (4)   | 580, 581, 583               |
| 1307                                | $2^3 \cdot 2 : 2 \times 2 : 2 : S_3$  | 768   | 311850 | 2200, 2228, 2220, 2197, 2193, 2239, 2241, 2869 (3), 3472 (4)                                     | 581 (2), 582, 584, 761      |
| 1308                                | $2^2 \times 4 : 2 \times 2 : 2 : S_3$ | 768   | 311850 | 2194, 2294, 2202, 2295, 2296, 2297, 2198, 2869 (3), 3473 (4)                                     | 582, 583, 763               |
| 1309                                | $2^2 \times 4 : 2 \times 2 : 2 : S_3$ | 768   | 311850 | 2200, 2229, 2221, 2199, 2195, 2238, 2240, 2869 (3), 3474 (4)                                     | 583, 584, 761               |
| 1310                                | $2^4 \cdot 2 : 2 \times 2 : S_3$      | 768   | 155925 | 2091 (2), 2298 (2), 2299, 2243 (2), 2242 (2), 2223 (2), 2204 (2), 2205, 2300, 2854 (3), 3475 (4) | 585 (2), 755, 757, 764      |
| 1311                                | $D_8 \times 2^3 : 2 : S_3$            | 768   | 103950 | 2198, 2301 (3), 2194, 2186 (3), 2302 (3), 2206, 2303 (3), 2870 (3), 3476 (4)                     | 587, 588, 763 (3)           |

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|-------------------------------------|----------------------------------|-------|--------|---|------------------------------------|
| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups   | Minimal Overgroups                 |
| 1312                                | $D_8 \times 2^4 : S_3$           | 768   | 103950 | 2193, 2218, 2199,<br>2224, 2244, 2246,<br>2207, 2870 (3), 3418<br>(12)  | 587, 589, 761 (3)                  |
| 1313                                | $D_8 \times (2^4 : 3 : 2)$       | 768   | 311850 | 2207, 2247, 2219,<br>2195, 2197, 2225,<br>2245, 2870, 3419 (4)  | 588, 589, 761                      |
| 1314                                | $2^4 \cdot 2 : 2 \times 2 : S_3$ | 768   | 155925 | 2205, 2255 (2), 2257<br>(2), 2304, 2305, 2252<br>(2), 2183 (2), 2202,<br>2206, 2306, 2307,<br>2871 (3), 3477 (4)  | 590 (2), 592 (2), 758,<br>763, 764 |
| 1315                                | $D_8 \times 2^4 : S_3$           | 768   | 311850 | 2200, 2215, 2207,<br>2248, 2226, 2250,<br>2203, 2871 (3), 3417<br>(8), 3478 (4)   | 590, 591, 761                      |
| 1316                                | $D_8 \times 2^4 : S_3$           | 768   | 311850 | 2093, 2308, 2309,<br>2249, 2227, 2251,<br>2216, 2254, 2256,<br>2253, 2204, 2202,<br>2208, 2310, 2311,<br>2871 (3), 3479 (4)                                       | 591, 592, 764                      |
| 1317                                | $2^5 \cdot 2 : 2 : S_3$          | 768   | 311850 | 2203, 2259, 2217,<br>2197, 2199, 2258,<br>2210, 2872 (3), 3480<br>(4)   | 593, 594, 761                      |
| 1318                                | $2^4 \cdot 2 : 2 \times 2 : S_3$ | 768   | 155925 | 2312, 2198 (2), 2205,<br>2313 (2), 2314, 2872<br>(3), 3481 (4)  | 593 (2), 757, 759, 763             |
| 1319                                | $D_8 \times 2^4 : S_3$           | 768   | 103950 | 2222 (3), 2315 (3),<br>2316 (3), 2261 (3),<br>2260 (3), 2230 (3),<br>2317 (3), 2318 (3),<br>2095, 2264, 2262,<br>2266, 2206, 2208,<br>2204, 2873 (3), 3482<br>(4) | 596, 597, 764 (3)                  |

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|-------------------------------------|----------------------------------|-------|--------|--|----------------------------|
| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups         |
| 1320                                | $D_8 \times (D_8 \times A_4)$    | 768   | 155925 | 2184 (2), 2319, 2320, 2265 (2), 2263 (2), 2267 (2), 2208 (2), 2205, 2321 (2), 2873, 3483 (4) | 597 (2), 756, 759, 764     |
| 1321                                | $2^6 : 2 : S_3$                  | 768   | 311850 | 2245, 2209, 2215, 2241, 2210, 2240, 2244, 2874 (3), 3484 (4)                                 | 601, 761                   |
| 1322                                | $2^{1+4} \times 2^2 : S_3$       | 768   | 155925 | 2276, 2235, 2268, 2875 (3), 3485 (8), 3486 (4)   | 604, 743, 766, 771         |
| 1323                                | $2^{1+4} \times 2^2 : S_3$       | 768   | 311850 | 2236, 2875 (3), 3487 (8), 3488 (4), 3489 (4), 3313 (4), 3312 (8)                             | 604, 769                   |
| 1324                                | $2^{1+4} \times 2^2 : S_3$       | 768   | 155925 | 2322 (2), 2284, 2300, 2323 (2), 2237, 2875 (3), 3490 (4)                                     | 604, 755, 765, 770         |
| 1325                                | $2^{1+4} \times 2^2 : S_3$       | 768   | 51975  | 2299 (3), 2283 (3), 2237, 2876 (3), 3491 (4)   | 605, 755 (3), 768 (3), 772 |
| 1326                                | $2^{1+4} : (D_8 \times 3)$       | 768   | 155925 | 2235, 2136, 2275, 2876, 3492 (4)   | 605, 743, 767, 773         |
| 1327                                | $2^{1+4} : (A_4 \times 2)$       | 768   | 103950 | 2236, 2877, 3314 (12), 3493 (4), 3494 (4)  | 606, 769 (3)               |
| 1328                                | $2^{1+4} : (A_4 \times 2)$       | 768   | 51975  | 2320 (3), 2285 (3), 2237, 2877, 3495 (4)   | 606, 756 (3), 770 (3), 772 |
| 1329                                | $2^{1+4} : (2^2 \times 6)$       | 768   | 51975  | 2271 (3), 2279 (3), 2235, 2877, 3496 (4)   | 606, 744, 771 (3), 773 (3) |
| 1330                                | $2^{1+4} \times 2^2 : S_3$       | 768   | 51975  | 2277 (3), 2272 (3), 2235, 2878 (3), 3497 (8), 3498 (4)                                       | 607, 744, 766 (3), 767 (3) |
| 1331                                | $2^{1+4} : (A_4 \times 2)$       | 768   | 155925 | 2324 (2), 2286, 2319, 2325 (2), 2237, 2878, 3499 (4)   | 607, 756, 765, 768         |
| 1332                                | $2^2 \times 4 : 2 : 2 : 2 : S_3$ | 768   | 311850 | 2226, 2246, 2217, 2239, 2238, 2247, 2209, 2879 (3), 3500 (4)                                 | 613, 761                   |

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|-------------------------------------|--|-------|--------|---|--------------------|
| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 1333                                | $2^6 : 2 : S_3$                              | 768   | 311850 | 2228, 2245, 2218,<br>2238, 2250, 2259,<br>2212, 2880 (3), 3501<br>(4)   | 614, 761           |
| 1334                                | $D_8 \times 2 : 2 \times 2 \times 2 : S_3$   | 768   | 311850 | 2229, 2244, 2219,<br>2239, 2250, 2258,<br>2211, 2880 (3), 3502<br>(4)   | 614, 761           |
| 1335                                | $2^3 \times 4 \cdot 2 : 2 : S_3$             | 768   | 311850 | 2225, 2241, 2221,<br>2246, 2248, 2259,<br>2211, 2881 (3), 3503<br>(4)   | 615, 761           |
| 1336                                | $2^2 \times 4 : 2 : 2 : 2 : S_3$             | 768   | 311850 | 2224, 2240, 2220,<br>2247, 2248, 2258,<br>2212, 2881 (3), 3504<br>(4)   | 615, 761           |
| 1337                                | $D_8 \times 2^2 : 2 \times 2 : S_3$          | 768   | 311850 | 2230, 2266, 2227,<br>2326, 2327, 2257,<br>2091, 2328, 2329,<br>2256, 2098, 2330,<br>2267, 2331, 2332,<br>2882 (3), 3505 (4) | 618, 764           |
| 1338                                | $D_8 \times (2^2 \times 4) : S_3$            | 768   | 311850 | 2333, 2334, 2100,<br>2263, 2262, 2223,<br>2222, 2335, 2336,<br>2331, 2252, 2253,<br>2227, 2337, 2338,<br>2883 (3), 3421 (4) | 622, 764           |
| 1339                                | $2 \times 4 : 2 : 2 \times 2 \times 2 : S_3$ | 768   | 311850 | 2223, 2254, 2230,<br>2337, 2339, 2264,<br>2216, 2340, 2328,<br>2255, 2101, 2341,<br>2265, 2342, 2343,<br>2884 (3), 3506 (4) | 624, 764           |
| 1340                                | $2^{1+4} \times 2^2 : S_3$                   | 768   | 311850 | 2236, 2885 (3), 3507<br>(8), 3508 (4), 3509<br>(4), 3315 (4), 3471<br>(8)   | 626, 769           |
| 1341                                | $2^{1+4} \times 2^2 : S_3$                   | 768   | 155925 | 2237, 2301 (2), 2307,<br>2294 (2), 2312, 2885<br>(3), 3510 (4)  | 626, 763, 768, 770 |

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|-------------------------------------|--|-------|--------|--|----------------------------|
| Nr.                                 | Structure                                  | Order | Length | Maximal Subgroups  | Minimal Overgroups         |
| 1342                                | $2^{1+4} \times 2^2 : S_3$                 | 768   | 155925 | 2290, 2235, 2289, 2885 (3), 3474 (8), 3511 (4)   | 626, 760, 767, 771         |
| 1343                                | $2^{1+4} \times 2^2 : S_3$                 | 768   | 51975  | 2305 (3), 2344 (6), 2314 (3), 2186 (6), 2345 (6), 2297 (6), 2237, 2886 (3), 3512 (4)                         | 627, 763 (3), 765 (3), 772 |
| 1344                                | $2^{1+4} : (D_8 \times 3)$                 | 768   | 155925 | 2235, 2291, 2288, 2886, 3419 (8), 3513 (4), 3514 (8)   | 627, 760, 766, 773         |
| 1345                                | $D_8 \times (2^2 \times 4) : S_3$          | 768   | 311850 | 2280, 2332, 2339, 2249, 2263, 2242, 2093, 2346, 2347, 2334, 2261, 2255, 2266, 2348, 2349, 2887 (3), 3515 (4) | 628, 764                   |
| 1346                                | $D_8 \times 2^2 : 2 \times 2 : S_3$        | 768   | 311850 | 2260, 2249, 2262, 2326, 2350, 2243, 2183, 2340, 2351, 2254, 2188, 2352, 2267, 2346, 2338, 2887 (3), 3516 (4) | 628, 764                   |
| 1347                                | $D_8 \times 2 : 2 \times 2 \times 2 : S_3$ | 768   | 311850 | 2281, 2343, 2333, 2265, 2252, 2256, 2095, 2347, 2353, 2329, 2260, 2251, 2242, 2354, 2351, 2888 (3), 3517 (4) | 629, 764                   |
| 1348                                | $D_8 \times 2^4 : S_3$                     | 768   | 311850 | 2261, 2264, 2253, 2352, 2355, 2257, 2184, 2349, 2354, 2251, 2191, 2330, 2243, 2335, 2341, 2888 (3), 3518 (4) | 629, 764                   |
| 1349                                | $2^{1+4} \times 2^2 : S_3$                 | 768   | 155925 | 2268, 2189 (2), 2288, 2270 (2), 2272, 2889 (3), 3519 (8), 3520 (4)   | 742, 766, 774              |
| 1350                                | $2^{1+4} : 2^2 : S_3$                      | 768   | 155925 | 2271, 2269 (2), 2190 (2), 2289, 2268, 2890 (3), 3521 (4)   | 742, 771, 775              |

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|-------------------------------------|---|-------|--------|--|--------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 1351                                | $2^{1+4} : 4 : S_3$                     | 768   | 155925 | 2275, 2268, 2282, 2891 (3), 3522 (4)                     | 743, 774, 775      |
| 1352                                | $2^{1+4} : 2^2 : S_3$                   | 768   | 155925 | 2273 (2), 2279, 2282, 2278 (2), 2272, 2892 (3), 3523 (4) | 744, 754, 774      |
| 1353                                | $2^{1+4} : 2^2 : S_3$                   | 768   | 155925 | 2274 (2), 2278 (2), 2282, 2277, 2271, 2893 (3), 3524 (4) | 744, 751, 775      |
| 1354                                | $2^{1+4} : 2^2 : S_3$                   | 768   | 155925 | 2277, 2136, 2290, 2894 (3), 3525 (4)                     | 745, 751, 767      |
| 1355                                | $2^{1+4} : 2^2 : S_3$                   | 768   | 155925 | 2279, 2268, 2290, 2895 (3), 3526 (4)                     | 745, 771, 774      |
| 1356                                | $2^{1+4} : (D_8 \times 3)$              | 768   | 155925 | 2279, 2136, 2291, 2896, 3527 (4)                         | 745, 754, 773      |
| 1357                                | $2^{1+4} \times 4 : S_3$                | 768   | 155925 | 2291, 2277, 2268, 2897 (3), 3528 (8), 3529 (4)           | 745, 766, 775      |
| 1358                                | $2^{1+4} : 2^2 \cdot S_3$               | 768   | 155925 | 2290, 2271, 2276, 2898 (3), 3530 (4)                     | 746, 751, 771      |
| 1359                                | $2^{1+4} : 4 : S_3$                     | 768   | 155925 | 2290, 2272, 2275, 2899 (3), 3531 (4)                     | 746, 767, 774      |
| 1360                                | $2^{1+4} \times 4 : S_3$                | 768   | 155925 | 2291, 2276, 2272, 2900 (3), 3532 (8), 3533 (4)           | 746, 754, 766      |
| 1361                                | $2^{1+4} : (2 \times 12)$               | 768   | 155925 | 2291, 2271, 2275, 2901, 3534 (4)                         | 746, 773, 775      |
| 1362                                | $2^{1+4} \times 2^2 : S_3$              | 768   | 155925 | 2277, 2276, 2288, 2902 (3), 3535 (8), 3536 (4)           | 747, 751, 766      |
| 1363                                | $2^{1+4} : 4 : S_3$                     | 768   | 155925 | 2275, 2289, 2277, 2903 (3), 3537 (4)                     | 747, 767, 775      |
| 1364                                | $2^{1+4} : (D_8 \times 3)$              | 768   | 155925 | 2275, 2288, 2279, 2904, 3538 (4)                         | 747, 773, 774      |
| 1365                                | $2^{1+4} : 2^2 : S_3$                   | 768   | 155925 | 2276, 2289, 2279, 2905 (3), 3539 (4)                     | 747, 754, 771      |
| 1366                                | $D_8 \times 2 : 2 \times 2 : 2 : S_3$   | 768   | 155925 | 2137, 2906 (3), 3540 (4), 3541 (4), 3542 (4)             | 749, 752, 776      |
| 1367                                | $D_8 \times 2 : 2 \times 2 : 2 : 3 : 2$ | 768   | 155925 | 2137, 2907, 3543 (4), 3544 (4), 3545 (4), 3546 (8)       | 750, 753, 776      |
| 1368                                | $2^{1+4} \times 2^2 : S_3$              | 768   | 155925 | 2290, 2282, 2288, 2908 (3), 3502 (8), 3547 (4)           | 751, 760, 774      |

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|-------------------------------------|---|-------|--------|--|--------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 1369                                | $2^{1+4} \times 4 : S_3$                | 768   | 155925 | 2282, 2289, 2291, 2909 (3), 3503 (8), 3548 (4)           | 754, 760, 775      |
| 1370                                | $D_8 \times 2^2 \cdot 2 \times 2 : S_3$ | 768   | 155925 | 2283, 2300, 2293, 2910 (3), 3549 (4)                     | 755, 777, 778      |
| 1371                                | $D_8 \times 2^2 \cdot 2 \times 2 : S_3$ | 768   | 155925 | 2284, 2299, 2293, 2911 (3), 3550 (4)                     | 755, 779, 780      |
| 1372                                | $D_8 \times (A_4 \times 2) \cdot 2 : 2$ | 768   | 155925 | 2286, 2320, 2293, 2912, 3551 (4)                         | 756, 778, 779      |
| 1373                                | $D_8 \times (A_4 \times 2) \cdot 2 : 2$ | 768   | 155925 | 2293, 2319, 2285, 2913, 3552 (4)                         | 756, 777, 780      |
| 1374                                | $2^3 \times 4 \cdot 2 : 2 : S_3$        | 768   | 155925 | 2286, 2299, 2312, 2914 (3), 3553 (4)                     | 757, 768, 779      |
| 1375                                | $2^2 \times 4 : 2 \times 2 : 2 : S_3$   | 768   | 155925 | 2285, 2300, 2312, 2915 (3), 3554 (4)                     | 757, 770, 777      |
| 1376                                | $2^2 \times 4 : 2 \times 2 : 2 : S_3$   | 768   | 155925 | 2299, 2356 (2), 2327 (2), 2314, 2285, 2916 (3), 3555 (4) | 757, 772, 780      |
| 1377                                | $2^3 \times 4 \cdot 2 : 2 : S_3$        | 768   | 155925 | 2286, 2357 (2), 2300, 2358 (2), 2314, 2917 (3), 3556 (4) | 757, 765, 778      |
| 1378                                | $2^3 \times 4 \cdot 2 : 2 : S_3$        | 768   | 155925 | 2286, 2359 (2), 2305, 2360 (2), 2284, 2918 (3), 3557 (4) | 758, 765, 779      |
| 1379                                | $2^2 \times 4 : 2 \times 2 : 2 : S_3$   | 768   | 155925 | 2285, 2307, 2284, 2919 (3), 3558 (4)                     | 758, 770, 780      |
| 1380                                | $2^2 \times 4 : 2 \times 2 : 2 : S_3$   | 768   | 155925 | 2305, 2356 (2), 2350 (2), 2283, 2285, 2920 (3), 3559 (4) | 758, 772, 777      |
| 1381                                | $2^3 \times 4 \cdot 2 : 2 : S_3$        | 768   | 155925 | 2286, 2307, 2283, 2921 (3), 3560 (4)                     | 758, 768, 778      |
| 1382                                | $D_8 \times 2^3 : 2 : S_3$              | 768   | 155925 | 2320, 2356 (2), 2355 (2), 2314, 2283, 2922 (3), 3561 (4) | 759, 772, 778      |
| 1383                                | $D_8 \times 2^2 : 2 \times 2 \cdot S_3$ | 768   | 155925 | 2283, 2319, 2312, 2923 (3), 3562 (4)                     | 759, 768, 777      |
| 1384                                | $D_8 \times 2^2 : 2 \times 2 : S_3$     | 768   | 155925 | 2314, 2361 (2), 2319, 2362 (2), 2284, 2924 (3), 3563 (4) | 759, 765, 780      |
| 1385                                | $D_8 \times 2^3 : 2 \cdot S_3$          | 768   | 155925 | 2284, 2320, 2312, 2925 (3), 3564 (4)                     | 759, 770, 779      |
| 1386                                | $2^2 \times 4 : 2 \times 2 : 2 : S_3$   | 768   | 155925 | 2293, 2303 (2), 2307, 2296 (2), 2314, 2926 (3), 3565 (4) | 763, 778, 780      |

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|-------------------------------------|--|-------|--------|--|--------------------|
| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 1387                                | $2 \times 4 : 2 : 2 \times 2 \times 2 : S_3$ | 768   | 311850 | 2292, 2186, 2304, 2296, 2302, 2294, 2313, 2927 (3), 3566 (4)   | 763                |
| 1388                                | $2^2 \times 4 : 2 \times 2 : 2 : S_3$        | 768   | 155925 | 2293, 2302 (2), 2305, 2295 (2), 2312, 2928 (3), 3567 (4)   | 763, 777, 779      |
| 1389                                | $2^2 \times 4 : 2 \times 2 : 2 : S_3$        | 768   | 311850 | 2292, 2303, 2306, 2297, 2301, 2295, 2313, 2929 (3), 3568 (4)   | 763                |
| 1390                                | $2^3 \times 4 : 2 \times 2 : S_3$            | 768   | 311850 | 2315, 2346, 2331, 2317, 2309, 2335, 2280, 2340, 2329, 2310, 2101, 2354, 2321, 2306, 2298, 2930 (3), 3569 (4) | 764                |
| 1391                                | $D_8 \times 2^2 : 2 \times 2 : S_3$          | 768   | 311850 | 2316, 2328, 2100, 2338, 2341, 2332, 2281, 2318, 2308, 2311, 2321, 2304, 2298, 2351, 2349, 2931 (3), 3570 (4) | 764                |
| 1392                                | $D_8 \times 2^2 : 2 \times 2 : S_3$          | 768   | 155925 | 2318 (2), 2348, 2336, 2300, 2305, 2330 (2), 2188 (2), 2342, 2353, 2310 (2), 2319, 2932 (3), 3571 (4)         | 764, 765, 777      |
| 1393                                | $2 \times 4 : 2 : 2 \times 2 \times 2 : S_3$ | 768   | 155925 | 2317 (2), 2337 (2), 2307, 2320, 2326 (2), 2191 (2), 2347 (2), 2308 (2), 2300, 2933 (3), 3572 (4)             | 764, 770, 778      |
| 1394                                | $D_8 \times 2^2 : 2 \times 2 : S_3$          | 768   | 155925 | 2315 (2), 2334 (2), 2307, 2299, 2352 (2), 2098 (2), 2343 (2), 2311 (2), 2319, 2934 (3), 3573 (4)             | 764, 768, 780      |
| 1395                                | $2 \times 4 : 2 : 2 \times 2 \times 2 : S_3$ | 768   | 155925 | 2316 (2), 2339 (2), 2333 (2), 2350, 2355, 2327, 2090, 2309 (2), 2320, 2305, 2299, 2935 (3), 3574 (4)         | 764, 772, 779      |

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|-------------------------------------|------------------------------|-------|--------|--|--|
| Nr.                                 | Structure                    | Order | Length | Maximal Subgroups  | Minimal Overgroups                                     |
| 1396                                | $Q_8 : 2^4 : S_3$            | 768   | 311850 | 2325, 2363 (2), 2361, 2187 (2), 2345, 2088 (2), 2353, 2358, 2364 (2), 2359, 2323, 2936 (3), 3575 (4) | 765  |
| 1397                                | $Q_8 : (2^2 \times 4) : S_3$ | 768   | 311850 | 2324, 2359, 2336, 2322, 2345, 2357, 2362, 2937 (3), 3576 (4)   | 765  |
| 1398                                | $D_8 : 2^4 : S_3$            | 768   | 311850 | 2325, 2357, 2342, 2344, 2322, 2360, 2361, 2938 (3), 3577 (4)   | 765  |
| 1399                                | $Q_8 : (2^2 \times 4) : S_3$ | 768   | 311850 | 2324, 2360, 2348, 2323, 2344, 2358, 2362, 2939 (3), 3578 (4)   | 765  |
| 1400                                | $M_{10}$                     | 720   | 166320 | 2411, 5915 (10), 9526 (36), 9641 (45)  | 10, 246 (4), 784, 785, 786                             |
| 1401                                | $A_6 \times 2$               | 720   | 332640 | 2365, 4924 (6), 4922 (6), 5875 (10), 7269 (15), 7270 (15)  | 32, 200, 787   |
| 1402                                | $M_{10}$                     | 720   | 332640 | 2366, 5916 (10), 9527 (36), 9642 (45)  | 32, 247 (2), 788                                       |
| 1403                                | $S_6$                        | 720   | 332640 | 2365, 4921 (6), 4923 (6), 5883 (10), 7270 (15), 7269 (15)  | 32, 787  |
| 1404                                | $A_6 : 2$                    | 720   | 332640 | 2366, 5917 (10), 9528 (36), 9640 (45)  | 32, 788  |
| 1405                                | $S_6$                        | 720   | 332640 | 2366, 4919 (12), 5918 (10), 7271 (30)  | 33, 788  |
| 1406                                | $S_6$                        | 720   | 332640 | 2365, 4925 (6), 4926 (6), 5850 (10), 7272 (15), 7273 (15)  | 33, 787  |
| 1407                                | $S_5 \times S_3$             | 720   | 166320 | 2373, 2369, 2367, 3024 (3), 3938 (5), 4940 (6), 5919 (10)  | 85, 157, 260, 351 (2), 444 (2), 631 (2), 790, 791, 792 |
| 1408                                | $S_5 \times S_3$             | 720   | 27720  | 2387, 2367, 2389, 3025 (3), 3939 (5), 4954 (6), 5920 (10)  | 86, 352 (4), 445 (4), 633 (4), 791 (6), 795 (3)        |
| 1409                                | $A_5 \times 2 : S_3$         | 720   | 166320 | 2392, 2367, 2391, 3026 (3), 3940 (5), 4955 (6), 5921 (10)  | 87, 353 (2), 446 (2), 632 (2), 791, 792, 794           |

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|-------------------------------------|----------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 1410                                | $A_5 \times 2 : S_3$             | 720   | 83160  | 2412, 2413, 2367, 3027 (3), 3941 (5), 4956 (6), 5922 (10)          | 89, 790, 793, 794, 795, 796, 797, 798                                   |
| 1411                                | $S_5 \times S_3$                 | 720   | 83160  | 2414, 2367, 2415, 3028 (3), 3942 (5), 4957 (6), 5923 (10)          | 90, 792 (2), 795, 798 (2)   |
| 1412                                | $2 \times 10 : 3 : 2 : S_3$      | 720   | 166320 | 2416, 2368, 2410, 3048 (6), 3088 (3), 3031 (3), 3841 (4), 3941 (5) | 119, 356, 799, 800, 801   |
| 1413                                | $2 \times 10 : S_3 : S_3$        | 720   | 166320 | 2417, 2418, 2368, 3033 (3), 3131 (3), 3848 (4), 3942 (5)           | 120, 800  |
| 1414                                | $2 \times 10 : S_3 \times S_3$   | 720   | 166320 | 2419, 2420, 2368, 3132 (3), 3034 (3), 3849 (4), 3939               | 121, 800  |
| 1415                                | $S_6$                            | 720   | 13860  | 2380, 4931 (6), 4958 (6), 5924 (10), 7274 (15), 7275 (15)          | 131, 319 (4), 630 (4), 634 (4), 802 (6), 803, 804 (6), 805 (3), 806 (3) |
| 1416                                | $S_5 \times 6$                   | 720   | 83160  | 2412, 2369 (2), 3024, 3993 (5), 4959 (6), 5925 (10)                | 158 (2), 790, 807, 808, 857, 875, 880, 883                              |
| 1417                                | $S_5 \times S_3$                 | 720   | 166320 | 2373, 2413, 2369, 3027 (3), 3996 (5), 4938 (6), 5926 (10)          | 159, 255, 790, 809, 810   |
| 1418                                | $S_5 \times S_3$                 | 720   | 166320 | 2387, 2391, 2369, 3026 (3), 4000 (5), 4960 (6), 5927 (10)          | 160, 357 (2), 464 (2), 632 (2), 791, 807, 810                           |
| 1419                                | $S_5 \times 6$                   | 720   | 166320 | 2392, 2389, 2369, 3025, 4001 (5), 4961 (6), 5928 (10)              | 161, 358 (2), 465 (2), 633 (2), 791, 808, 809                           |
| 1420                                | $S_5 \times S_3$                 | 720   | 166320 | 2414, 2369, 2391, 3028 (3), 4003 (5), 4962 (6), 5929 (10)          | 162, 792, 807, 809  |
| 1421                                | $S_5 \times 6$                   | 720   | 166320 | 2392, 2369, 2415, 3026, 4005 (5), 4963 (6), 5930 (10)              | 163, 792, 808, 810  |
| 1422                                | $A_5 \times 2 \times S_3$        | 720   | 83160  | 2412, 2373 (2), 3093 (3), 4039 (5), 4935 (6), 5926 (10)            | 255 (2), 790, 816, 817, 858, 874, 881, 882                              |
| 1423                                | $D_{10} \cdot S_3 : S_3 \cdot 2$ | 720   | 332640 | 2370, 2382, 2396, 4048 (5), 5804 (9)                               | 256, 359, 365, 818  |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                            |
| 1424                                | $D_{30} : S_3 : 2 : 2$         | 720   | 332640 | 2398, 2421, 2394, 2422, 2372, 2371, 2370, 4047 (5), 5805 (9) | 257, 360, 366, 818                            |
| 1425                                | $15 : 2 : S_3 \cdot 2 \cdot 2$ | 720   | 332640 | 2370, 2395, 2397, 4049 (5), 5806 (9)                         | 258, 363, 369, 818                            |
| 1426                                | $S_5 \times S_3$               | 720   | 332640 | 2375, 2377, 2402, 3090 (3), 4051 (5), 4939 (6), 5931 (10)    | 259, 364, 466, 651, 819                       |
| 1427                                | $A_5 : 2 \times S_3$           | 720   | 332640 | 2374, 2381, 2385, 3057 (3), 4057 (5), 4940 (6), 5931 (10)    | 259, 351, 472, 643, 820                       |
| 1428                                | $A_5 \times 2 \times S_3$      | 720   | 332640 | 2378, 2405, 2375, 3091 (3), 4056 (5), 4941 (6), 5932 (10)    | 261, 368, 467, 654, 819                       |
| 1429                                | $A_5 : 2 \times S_3$           | 720   | 332640 | 2374, 2388, 2390, 3069 (3), 4061 (5), 4943 (6), 5932 (10)    | 261, 361, 475, 648, 820                       |
| 1430                                | $A_5 \times 2 \times S_3$      | 720   | 166320 | 2373, 2387, 2392, 3068 (3), 4055 (5), 4942 (6), 5933 (10)    | 262, 362 (2), 468 (2), 647 (2), 791, 810, 816 |
| 1431                                | $S_5 \times S_3$               | 720   | 166320 | 2373, 2391, 2389, 3070 (3), 4053 (5), 4943 (6), 5933 (10)    | 262, 361 (2), 470 (2), 649 (2), 791, 809, 817 |
| 1432                                | $A_5 \times 2 \times S_3$      | 720   | 332640 | 2374, 2393, 2386, 3067 (3), 4060 (5), 4942 (6), 5934 (10)    | 263, 362, 473, 646, 820                       |
| 1433                                | $S_5 \times S_3$               | 720   | 332640 | 2375, 2379, 2407, 3070 (3), 4054 (5), 4944 (6), 5934 (10)    | 263, 367, 469, 482 (2), 649, 819              |
| 1434                                | $A_5 : 2 \times S_3$           | 720   | 332640 | 2376, 2401, 2406, 3089 (3), 4058 (5), 4939 (6), 5935 (10)    | 264, 364, 471, 650, 821                       |
| 1435                                | $A_5 \times 2 \times S_3$      | 720   | 332640 | 2409, 2404, 2376, 3092 (3), 4059 (5), 4941 (6), 5936 (10)    | 265, 368, 474, 655, 821                       |
| 1436                                | $A_5 : 2 \times S_3$           | 720   | 332640 | 2376, 2408, 2403, 3069 (3), 4062 (5), 4944 (6), 5936 (10)    | 265, 367, 476, 648, 821                       |
| 1437                                | $A_5 \times 2 \times S_3$      | 720   | 166320 | 2414, 2392, 2373, 3124 (3), 4066 (5), 4945 (6), 5937 (10)    | 266, 792, 809, 816                            |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 1438                                | $S_5 \times S_3$                       | 720   | 166320 | 2373, 2391, 2415, 3125 (3), 4064 (5), 4946 (6), 5938 (10) | 267, 792, 810, 817  |
| 1439                                | $S_5 \times 6$                         | 720   | 332640 | 2378, 2377, 2379, 3049, 4137 (5), 4949 (6), 5939 (10)     | 318 (2), 380, 495, 658, 819   |
| 1440                                | $S_6$                                  | 720   | 924    | 2380, 4964 (6), 4953 (6), 5940 (10), 7276 (15), 7277 (15) | 320 (6), 414 (36), 640 (20), 661 (20), 803 (15), 827 (45), 862 (15)   |
| 1441                                | $A_6 \times 2$                         | 720   | 13860  | 2380, 4965 (6), 4966 (6), 5941 (10), 7278 (15), 7279 (15) | 321 (4), 639 (4), 642 (4), 803, 804 (6), 826 (6), 892 (3), 894 (3)  |
| 1442                                | $A_6 \times 2$                         | 720   | 41580  | 2380, 4967 (6), 4968 (6), 5942 (10), 7280 (15), 7281 (15) | 322 (2), 412 (4), 635 (4), 637 (4), 802, 805, 822, 823, 825, 826, 827, 828, 829, 830, 859, 860, 861, 892, 893 |
| 1443                                | $S_6$                                  | 720   | 41580  | 2380, 4969 (6), 4970 (6), 5943 (10), 7282 (15), 7283 (15) | 323 (2), 413 (4), 641 (4), 664 (4), 804 (2), 806, 827, 830 (2), 863 (2), 893 (2), 894                         |
| 1444                                | $15 : 2 \times 2 \times 2 \cdot S_3$   | 720   | 166320 | 2410, 3050, 3087 (3), 3838 (4), 4142 (5)                  | 350, 799, 832, 833  |
| 1445                                | $A_5 : 2 \times S_3$                   | 720   | 110880 | 2386, 2388, 2381, 3058 (3), 4143 (5), 4954 (6), 5944 (10) | 352, 489 (3), 645, 820 (3)  |
| 1446                                | $A_5 \times 2 : S_3$                   | 720   | 332640 | 2393, 2390, 2381, 3059 (3), 4144 (5), 4955 (6), 5945 (10) | 353, 490, 644, 820  |
| 1447                                | $D_{10} \cdot 2 \times S_3 \times S_3$ | 720   | 332640 | 2395, 2383 (2), 2394, 2382, 2384 (2), 3041 (6), 4145 (5)  | 354, 371, 454 (2), 818  |
| 1448                                | $2 \times 10 : 3 : 2 \cdot S_3$        | 720   | 166320 | 2410, 3051, 3064 (3), 3838 (4), 4146 (5)                  | 355, 799, 834, 835  |
| 1449                                | $A_5 : 2 \times S_3$                   | 720   | 332640 | 2386, 2390, 2385, 3059 (3), 4147 (5), 4960 (6), 5946 (10) | 357, 491, 644, 820  |
| 1450                                | $A_5 \times 3 \times 2 : 2$            | 720   | 332640 | 2393, 2388, 2385, 3058, 4148 (5), 4961 (6), 5947 (10)     | 358, 492, 645, 820  |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 1451                                | $A_5 \times 2 \times 2 : 3$            | 720   | 83160  | 3065, 3839 (4), 4149 (5), 4971 (6), 5948 (10)             | 370, 416 (2), 815, 831, 836, 838, 840, 847, 849                          |
| 1452                                | $A_5 \times 2 \times 2 : 3$            | 720   | 27720  | 3066, 3840 (4), 4150 (5), 4971 (6), 5949 (10)             | 370 (3), 415 (3), 666, 789, 811 (3), 812 (3), 837, 839, 848 (3), 850 (3) |
| 1453                                | $15 : S_3 \cdot 2 : 2 : 2$             | 720   | 332640 | 2397, 2394, 2396, 4151 (5), 5807 (9)                      | 372, 373, 818  |
| 1454                                | $D_{10} \cdot S_3 : S_3 : 2$           | 720   | 332640 | 2398, 2382, 2397, 4152 (5), 5808 (9)                      | 374, 375, 818  |
| 1455                                | $D_{10} \cdot 2 \times S_3 \times S_3$ | 720   | 332640 | 2399 (2), 2400 (2), 2395, 2398, 2396, 3042 (6), 4153 (5)  | 376, 377, 818  |
| 1456                                | $A_5 \times 2 \times 2 : 3$            | 720   | 83160  | 3094, 3847 (4), 4154 (5), 4972 (6), 5950 (10)             | 378, 417 (2), 814, 842, 843, 846, 852, 854, 856                          |
| 1457                                | $A_5 \times 2 \times 2 : 3$            | 720   | 83160  | 3093, 3837 (4), 4149 (5), 4972 (6), 5951 (10)             | 378, 416 (2), 813, 841, 844, 845, 851, 853, 855                          |
| 1458                                | $A_5 : 2 \times S_3$                   | 720   | 110880 | 2404, 2401, 2403, 3095 (3), 4155 (5), 4973 (6), 5952 (10) | 379, 493 (3), 659, 821 (3)   |
| 1459                                | $S_5 \times S_3$                       | 720   | 110880 | 2405, 2379, 2402, 3049 (3), 4156 (5), 4973 (6), 5953 (10) | 379, 494 (3), 658, 819 (3)   |
| 1460                                | $A_5 \times 3 \times 2 : 2$            | 720   | 332640 | 2409, 2403, 2406, 3095, 4157 (5), 4949 (6), 5954 (10)     | 380, 496, 659, 821   |
| 1461                                | $S_5 \times S_3$                       | 720   | 332640 | 2405, 2377, 2407, 3097 (3), 4158 (5), 4974 (6), 5955 (10) | 381, 497, 657, 819   |
| 1462                                | $A_5 : 2 \times S_3$                   | 720   | 332640 | 2404, 2406, 2408, 3096 (3), 4159 (5), 4974 (6), 5956 (10) | 381, 498, 656, 821   |
| 1463                                | $A_5 \times 2 : S_3$                   | 720   | 332640 | 2378, 2402, 2407, 3097 (3), 4160 (5), 4975 (6), 5957 (10) | 382, 500, 657, 819   |
| 1464                                | $A_5 \times 2 : S_3$                   | 720   | 332640 | 2409, 2408, 2401, 3096 (3), 4161 (5), 4975 (6), 5958 (10) | 382, 499, 656, 821   |
| 1465                                | $2 \times 10 : 3 : 2 \cdot S_3$        | 720   | 166320 | 2410, 3098 (3), 3099 (6), 3082 (3), 3842 (4), 4162 (5)    | 383, 801, 832, 834   |

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| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 1466                                | $2 \times 10 : 3 : 2 \times S_3$ | 720   | 166320 | 2417, 2420, 2410, 3100, 3083 (3), 3843 (4), 4163 (5)      | 384, 800, 832, 835  |
| 1467                                | $2 \times 30 : 3 : 2 \cdot 2$    | 720   | 166320 | 2410, 3101, 3102 (2), 3078, 3844 (4), 4164 (5)            | 385, 801, 833, 835  |
| 1468                                | $15 : 2 \times 2 \times 2 : S_3$ | 720   | 166320 | 2419, 2410, 2418, 3077, 3103 (3), 3843 (4), 4165 (5)      | 386, 800, 833, 834  |
| 1469                                | $S_6$                            | 720   | 13860  | 2380, 4976 (6), 4951 (6), 5959 (10), 7284 (15), 7285 (15) | 660 (4), 663 (4), 805 (3), 859 (6), 862, 863 (6), 894 (3) |
| 1470                                | $A_6 \times 2$                   | 720   | 13860  | 2380, 4952 (6), 4977 (6), 5960 (10), 7286 (15), 7287 (15) | 662 (4), 665 (4), 806 (3), 860 (6), 862, 863 (6), 892 (3) |
| 1471                                | $A_5 \times 3 \times 2 \times 2$ | 720   | 27720  | 2412 (3), 3066, 4166 (5), 4978 (6), 5961 (10)             | 666, 793, 857 (3), 858 (3), 864 (3), 866, 867, 869 (3)    |
| 1472                                | $A_5 \times 2 \times 2 : 3$      | 720   | 55440  | 3066, 3837 (4), 4167 (5), 4979 (6), 5962 (10)             | 666, 824 (3), 865 (3), 868                                |
| 1473                                | $A_6 : 2$                        | 720   | 166320 | 2411, 5963 (10), 9528 (36), 9643 (45)                     | 784, 870, 873   |
| 1474                                | $A_6 : 2$                        | 720   | 166320 | 2411, 4920 (12), 5964 (10), 7271 (30)                     | 784, 871, 872   |
| 1475                                | $A_6 : 2$                        | 720   | 166320 | 2411, 5965 (10), 9529 (36), 9644 (45)                     | 785, 870, 872   |
| 1476                                | $A_6 : 2$                        | 720   | 166320 | 2411, 4980 (12), 5966 (10), 7288 (30)                     | 785, 871, 873   |
| 1477                                | $M_{10}$                         | 720   | 166320 | 2411, 5967 (10), 9530 (36), 9645 (45)                     | 786, 872, 873   |
| 1478                                | $A_6 \times 2$                   | 720   | 166320 | 2411, 4981 (12), 5968 (10), 7289 (30)                     | 786, 870, 871   |
| 1479                                | $A_5 \times 2 : S_3$             | 720   | 83160  | 2412, 2413 (2), 3090 (3), 4168 (5), 4982 (6), 5969 (10)   | 793, 874, 875, 876, 877, 878, 879                         |
| 1480                                | $A_5 \times 2 : S_3$             | 720   | 166320 | 2392, 2413, 2391, 3127 (3), 4169 (5), 4983 (6), 5970 (10) | 794, 809, 810   |
| 1481                                | $A_5 \times 3 \times 2 \times 2$ | 720   | 83160  | 2412, 2392 (2), 3068, 4170 (5), 4984 (6), 5971 (10)       | 794, 808, 816, 869, 876, 889, 890                         |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups   | Minimal Overgroups                |
| 1482                                | $A_5 \times 2 : S_3$            | 720   | 83160  | 2412, 2391 (2), 3125 (3), 4171 (5), 4985 (6), 5972 (10)   | 794, 807, 817, 864, 877, 888, 891 |
| 1483                                | $S_5 \times S_3$                | 720   | 83160  | 2414, 2413, 2389, 3049 (3), 4172 (5), 4986 (6), 5973 (10) | 795, 809 (2), 879 (2)             |
| 1484                                | $S_5 \times S_3$                | 720   | 83160  | 2387, 2413, 2415, 3127 (3), 4173 (5), 4987 (6), 5974 (10) | 795, 810 (2), 878 (2)             |
| 1485                                | $A_5 \times 2 \times S_3$       | 720   | 83160  | 2412, 2414, 2387, 3124 (3), 4163 (5), 4988 (6), 5975 (10) | 795, 807, 816, 866, 878, 885, 886 |
| 1486                                | $S_5 \times 6$                  | 720   | 83160  | 2412, 2389, 2415, 3070, 4165 (5), 4989 (6), 5976 (10)     | 795, 808, 817, 867, 879, 884, 887 |
| 1487                                | $A_5 \times 2 \cdot S_3$        | 720   | 83160  | 2412, 3044 (3), 4146 (5), 4990 (6), 5977 (10)             | 796, 858, 875, 884, 886, 890, 891 |
| 1488                                | $A_5 \times 3 \times 2 \cdot 2$ | 720   | 83160  | 2412, 3072, 4142 (5), 4991 (6), 5978 (10)                 | 796, 857, 874, 885, 887, 888, 889 |
| 1489                                | $A_5 \times 3 \times 2 \cdot 2$ | 720   | 83160  | 2412, 3073, 4164 (5), 4992 (6), 5979 (10)                 | 797, 869, 877, 882, 883, 886, 887 |
| 1490                                | $A_5 \times 2 \cdot S_3$        | 720   | 83160  | 2412, 3047 (3), 4162 (5), 4993 (6), 5980 (10)             | 797, 864, 876, 880, 881, 884, 885 |
| 1491                                | $S_5 \times 6$                  | 720   | 83160  | 2412, 2415 (2), 3076, 4174 (5), 4994 (6), 5981 (10)       | 798, 867, 878, 881, 883, 889, 891 |
| 1492                                | $S_5 \times S_3$                | 720   | 166320 | 2414, 2413, 2415, 3097 (3), 4175 (5), 4995 (6), 5982 (10) | 798, 878, 879                     |
| 1493                                | $A_5 \times 2 \times S_3$       | 720   | 83160  | 2414 (2), 2412, 3091 (3), 4176 (5), 4996 (6), 5983 (10)   | 798, 866, 879, 880, 882, 888, 890 |
| 1494                                | $2 \times 10 \times S_3 : S_3$  | 720   | 166320 | 2416, 2418, 2420, 3129 (3), 3133 (3), 3850 (4), 4173 (5)  | 800                               |
| 1495                                | $2 \times 10 : S_3 : S_3$       | 720   | 166320 | 2416, 2417, 2419, 3130 (3), 3134 (3), 3850 (4), 4172 (5)  | 800                               |
| 1496                                | $L_2(7) : 2 \times 2$           | 672   | 178200 | 2423 (2), 2432, 5777 (8), 8102 (21), 9113 (28)            | 56, 895, 896, 898                 |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups                                | Minimal Overgroups                  |
| 1497                                | $L_2(7) : 2 \times 2$           | 672   | 356400 | 2423, 2424, 2431, 5778 (8), 8103 (21), 9114 (28) | 57, 667 (2), 895                    |
| 1498                                | $L_2(7) : 2 \times 2$           | 672   | 356400 | 2423, 2426, 2431, 5779 (8), 8104 (21), 9115 (28) | 58, 895                             |
| 1499                                | $L_2(7) : 2 \times 2$           | 672   | 178200 | 2426, 2424, 2432, 5780 (8), 8105 (21), 9116 (28) | 61, 895, 897, 899                   |
| 1500                                | $L_2(7) \times 2 \cdot 2$       | 672   | 178200 | 2432, 5781 (8), 8106 (21), 9117 (28)             | 62, 896, 899, 900                   |
| 1501                                | $L_2(7) : 2 \times 2$           | 672   | 178200 | 2426 (2), 2432, 5782 (8), 8107 (21), 9118 (28)   | 64, 897, 898, 900                   |
| 1502                                | $L_2(7) \times 2 \times 2$      | 672   | 118800 | 2428 (3), 5293 (7), 5191 (7), 5787 (8)           | 210, 307, 669, 902 (3)              |
| 1503                                | $L_2(7) \times 2 \times 2$      | 672   | 356400 | 2427 (2), 2428, 5193 (7), 5294 (7), 5788 (8)     | 211, 308, 668 (2), 902              |
| 1504                                | $L_2(7) \times 2 \cdot 2$       | 672   | 356400 | 2428, 5199 (7), 5295 (7), 5789 (8)               | 214, 309, 436 (2), 902              |
| 1505                                | $L_2(7) \times 2 \times 2$      | 672   | 59400  | 2432 (3), 5296 (14), 5787 (8)                    | 307 (2), 670, 896 (3), 897, 903 (3) |
| 1506                                | $2^3 : 7 : 3 \times 2 \times 2$ | 672   | 118800 | 2433 (3), 3141, 5297 (7), 5787 (8)               | 307, 671, 904 (3)                   |
| 1507                                | $L_2(7) \times 2 \times 2$      | 672   | 178200 | 2431 (2), 2432, 5298 (14), 5788 (8)              | 308 (2), 895, 900, 903              |
| 1508                                | $2^3 : 7 : 3 \times 2 \times 2$ | 672   | 356400 | 2429 (2), 2433, 3142, 5299 (7), 5788 (8)         | 308, 904                            |
| 1509                                | $L_2(7) \times 2 \cdot 2$       | 672   | 178200 | 2432, 5300 (14), 5789 (8)                        | 309 (2), 898, 899, 903              |
| 1510                                | $2^3 : 7 : 3 \times 2 \cdot 2$  | 672   | 356400 | 2433, 3143, 5301 (7), 5789 (8)                   | 309, 904                            |
| 1511                                | $2^3 : 7 \times 2 \times 2 : 3$ | 672   | 237600 | 3141, 3867 (4), 5302 (7), 5790 (8)               | 671                                 |
| 1512                                | $2^3 : 7 \times 2 \times 2 : 3$ | 672   | 118800 | 3141, 3866 (4), 5303, 5791 (8)                   | 671, 905                            |
| 1513                                | $L_2(11)$                       | 660   | 362880 | 7112 (22), 7178 (12), 10252 (55)                 | 52 (2), 906                         |
| 1514                                | $L_2(11)$                       | 660   | 725760 | 7113 (11), 7110 (11), 7178 (12), 10253 (55)      | 246, 247                            |
| 1515                                | $M_9 : 3 \times 3$              | 648   | 184800 | 3144, 3248, 3249 (2), 3878 (4), 5984 (9)         | 18, 907, 908, 909                   |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups  | Minimal Overgroups                     |
| 1516                                | $3 : S_3 : S_3 : S_3$           | 648   | 61600  | 2461, 3156 (3), 3879 (4), 9119 (27)  | 37, 672, 910 (3), 911, 912 (3)         |
| 1517                                | $3 : S_3 : S_3 : S_3$           | 648   | 369600 | 2436, 3146 (3), 3874 (4), 9120 (27)  | 82, 677, 913                           |
| 1518                                | $3 : S_3 : S_3 : S_3$           | 648   | 369600 | 2436, 3149 (3), 3875 (4), 9121 (27)  | 83, 678, 913                           |
| 1519                                | $3 : S_3 : S_3 : 3 : 2$         | 648   | 123200 | 2436, 3206, 3876 (4), 9122 (27)  | 84 (3), 680, 913 (3)                   |
| 1520                                | $3^2 : S_3 \cdot 2 : S_3$       | 648   | 184800 | 2462, 2466, 2438, 3156, 3160 (3), 5985 (9)   | 280, 672, 914, 915, 916                |
| 1521                                | $3^2 : S_3 \cdot 2 : S_3$       | 648   | 92400  | 2467, 2438, 2468, 3161 (6), 3162 (6), 5986 (9)   | 281, 914, 917, 918, 919, 920, 921, 922 |
| 1522                                | $3^2 : S_3 \cdot 2 : S_3$       | 648   | 92400  | 2469, 2470, 2438, 3188 (6), 3165 (6), 5987 (9)   | 282, 915 (2), 919, 923 (2)             |
| 1523                                | $3^2 : S_3 \cdot 2 \times S_3$  | 648   | 184800 | 2471, 2472, 2438, 3163, 3166 (3), 5988 (9)   | 283, 915, 916, 918                     |
| 1524                                | $3^2 \times S_3 \times S_3 : 2$ | 648   | 92400  | 2473, 2438, 2474, 3185 (2), 3164 (2), 5989 (9)   | 284, 916 (2), 919, 924 (2)             |
| 1525                                | $3^2 : S_3 \cdot 2 : S_3$       | 648   | 184800 | 2438, 2475, 2476, 3184, 3187 (3), 5990 (9)   | 285, 920, 923, 924                     |
| 1526                                | $3^2 : S_3 \cdot 2 \times S_3$  | 648   | 184800 | 2438, 2477, 2478, 3186, 3189 (3), 5991 (9)   | 286, 922, 923, 924                     |
| 1527                                | $3^{1+2} : 2^2 \times S_3$      | 648   | 739200 | 2454, 2457, 2441, 2440, 2460, 2456, 2439, 3250 (3), 3205 (3), 3251 (3)                     | 527, 673                               |
| 1528                                | $3 \times 6 : S_3 : S_3$        | 648   | 739200 | 2449, 2448, 2445, 2447, 2444, 2442, 2443, 3205 (3), 3241 (3)                               | 528, 673                               |
| 1529                                | $S_3 \times 3 \times S_3 : S_3$ | 648   | 369600 | 2451, 2455, 2459, 2450, 2453, 2458, 2452, 3219 (3), 3241 (3), 3251 (6), 3218 (3), 3239 (3) | 673 (2), 938                           |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups                              | Minimal Overgroups                               |
| 1530                                | $3^3 : S_3 \cdot 2 \cdot 2$          | 648   | 30800  | 2479 (3), 5916 (36)                            | 674 (4), 925 (6), 937 (3)                        |
| 1531                                | $3 : S_3 : S_3 : S_3$                | 648   | 30800  | 2464 (4), 2480 (3), 3252 (12)                  | 675 (4), 928 (6), 952 (3)                        |
| 1532                                | $3 : S_3 : S_3 : 3 : 2$              | 648   | 369600 | 2465, 3252, 3880 (4), 9123 (27)                | 675, 929   |
| 1533                                | $3 : S_3 : S_3 : S_3$                | 648   | 15400  | 2468 (3), 2462 (4), 3157 (12)                  | 676 (4), 914 (6), 926, 931 (6), 941 (3), 947 (3) |
| 1534                                | $3 : S_3 : S_3 : 3 : 2$              | 648   | 184800 | 2461, 3157, 3881 (4), 9124 (27)                | 676, 910, 927, 930                               |
| 1535                                | $3 : S_3 : S_3 : S_3$                | 648   | 184800 | 2461, 3146 (3), 3882 (4), 9125 (27)            | 677, 910, 932, 935                               |
| 1536                                | $3 : S_3 : S_3 : S_3$                | 648   | 184800 | 2462, 2466, 2467, 3146 (3), 3220 (3), 5992 (9) | 677, 914, 933, 934                               |
| 1537                                | $3 : S_3 : S_3 : S_3$                | 648   | 184800 | 2462, 2471, 2470, 3149 (3), 3234 (3), 5993 (9) | 678, 915, 931, 934                               |
| 1538                                | $3 : S_3 : S_3 : S_3$                | 648   | 184800 | 2461, 3149 (3), 3883 (4), 9126 (27)            | 678, 912, 930, 935                               |
| 1539                                | $S_3 \times 3 : S_3 : S_3$           | 648   | 61600  | 2472 (3), 2462, 2469 (3), 3207 (3), 3158 (9)   | 679, 915 (3), 926, 933 (3)                       |
| 1540                                | $3 : S_3 : S_3 : 3 \times 2$         | 648   | 184800 | 2461, 3207, 3884 (4), 9127 (27)                | 679, 912, 927, 932                               |
| 1541                                | $S_3 \times 3 \times S_3 \times S_3$ | 648   | 61600  | 2472 (3), 2474 (3), 2462, 3206, 3159 (9)       | 680, 916 (3), 926, 934 (3)                       |
| 1542                                | $3 : S_3 : S_3 : 3 : 2$              | 648   | 61600  | 2461, 3206, 3885 (4), 9128 (27)                | 680, 911, 927 (3), 935 (3)                       |
| 1543                                | $3 : S_3 : S_3 : S_3$                | 648   | 61600  | 2461, 3211 (3), 3886 (4), 9129 (27)            | 681, 911, 930 (3), 932 (3)                       |
| 1544                                | $S_3 \times 3 \times S_3 : S_3$      | 648   | 184800 | 2462, 2471, 2473, 3211, 3235 (3), 5994 (9)     | 681, 916, 931, 933                               |
| 1545                                | $3 : S_3 : S_3 : S_3$                | 648   | 739200 | 2463, 3253 (3), 3887 (4), 9112 (27)            | 682  |
| 1546                                | $3 : S_3 : S_3 : S_3$                | 648   | 369600 | 2465, 3253 (3), 3888 (4), 9130 (27)            | 682, 929   |
| 1547                                | $3 : S_3 : S_3 : S_3$                | 648   | 369600 | 2481, 2482, 2464, 3254 (3), 3253 (3), 5908 (9) | 682, 928   |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups                                |
| 1548                                | $3 : S_3 : S_3 : S_3$                | 648   | 123200 | 2465, 3255 (3), 3889 (4), 9131 (27)                                | 683, 929 (3)                                      |
| 1549                                | $S_3 \times 3 \times S_3 : S_3$      | 648   | 369600 | 2483, 2464, 2482, 3255, 3256 (3), 5909 (9)                         | 683, 928  |
| 1550                                | $3 : S_3 : S_3 : S_3$                | 648   | 92400  | 2450 (2), 2468, 2466 (2), 2475 (2), 3175 (6), 3167 (6)             | 914, 920, 938, 939, 940, 945, 948                 |
| 1551                                | $3 : S_3 : S_3 : S_3$                | 648   | 184800 | 2466, 2471, 2469, 3229 (3), 3230 (3), 5995 (9)                     | 915, 933, 939                                     |
| 1552                                | $S_3 \times 3 : S_3 : S_3$           | 648   | 184800 | 2451 (2), 2466, 2459 (2), 2470, 2472, 3168 (6), 3147 (3), 3242 (3) | 915, 934, 938                                     |
| 1553                                | $S_3 \times 3 \times S_3 \times S_3$ | 648   | 184800 | 2452 (2), 2472, 2466, 2458 (2), 2473, 3213, 3169 (6), 3240 (3)     | 916, 933, 938                                     |
| 1554                                | $S_3 \times 3 \times S_3 : S_3$      | 648   | 184800 | 2474, 2466, 2471, 3209, 3148 (3), 5996 (9)                         | 916, 934, 939                                     |
| 1555                                | $3^3 : S_3 \cdot 2 : 2$              | 648   | 46200  | 2479 (2), 2468, 5885 (18)  | 917, 936 (2), 937 (2), 940, 941, 942 (2), 943 (2) |
| 1556                                | $3 : S_3 \cdot S_3 : S_3$            | 648   | 92400  | 2471 (2), 2468, 3177 (6), 5997 (9)                                 | 918, 921, 931, 939, 942, 945, 946                 |
| 1557                                | $S_3 \times 3 \times S_3 : S_3$      | 648   | 92400  | 2468, 2453 (2), 2472 (2), 2474, 2469, 3173 (6), 3171 (6), 3170 (6) | 918, 919, 926, 938, 939, 943, 944                 |
| 1558                                | $3 : S_3 \cdot S_3 \times S_3$       | 648   | 184800 | 2467, 2472, 2471, 3150 (3), 3225 (3), 5998 (9)                     | 918, 933, 934                                     |
| 1559                                | $S_3 \times 3 : S_3 \times S_3$      | 648   | 92400  | 2455 (2), 2478 (2), 2470, 2468, 2473, 3172 (6), 3178 (6), 3179 (6) | 919, 922, 931, 938, 942, 948, 949                 |
| 1560                                | $S_3 \times 3 \times S_3 : S_3$      | 648   | 92400  | 2470, 2467, 2474, 3228 (6), 3151 (6), 5999 (9)                     | 919, 934 (2), 950 (2)                             |
| 1561                                | $S_3 \times 3 \times S_3 : S_3$      | 648   | 92400  | 2469, 2467, 2473, 3227 (6), 3226 (6), 6000 (9)                     | 919, 933 (2), 951 (2)                             |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups                                |
| 1562                                | $3 : S_3 : S_3 : S_3$                | 648   | 184800 | 2467, 2476, 2475, 3221 (3), 3222 (3), 6001 (9)                     | 920, 950, 951                                     |
| 1563                                | $3 : S_3 : S_3 : S_3$                | 648   | 46200  | 2480 (2), 2468, 2476 (4), 3174 (12)                                | 920 (2), 941, 944 (2), 946, 949, 952 (2), 954 (2) |
| 1564                                | $3 : S_3 \cdot S_3 : S_3$            | 648   | 92400  | 2477 (2), 2468, 3176 (6), 5887 (9)                                 | 921, 922, 943, 944, 945, 947, 948                 |
| 1565                                | $3 : S_3 \cdot S_3 \times S_3$       | 648   | 184800 | 2467, 2477, 2478, 3223 (3), 3224 (3), 6002 (9)                     | 922, 950, 951                                     |
| 1566                                | $S_3 \times 3 : S_3 : S_3$           | 648   | 184800 | 2481 (2), 2478, 2470, 2484 (2), 2476, 3180 (6), 3247 (3), 3246 (3) | 923, 949, 950                                     |
| 1567                                | $S_3 \times 3 : S_3 : S_3$           | 648   | 184800 | 2469, 2452 (2), 2475, 2459 (2), 2478, 3216 (3), 3181 (6), 3215 (3) | 923, 938, 951                                     |
| 1568                                | $3 : S_3 : S_3 : S_3$                | 648   | 184800 | 2475, 2477, 2470, 3236 (3), 3238 (3), 6003 (9)                     | 923, 948, 950                                     |
| 1569                                | $3 : S_3 : S_3 : S_3$                | 648   | 184800 | 2469, 2477, 2476, 3232 (3), 3233 (3), 5903 (9)                     | 923, 944, 951                                     |
| 1570                                | $S_3 \times 3 \times S_3 : S_3$      | 648   | 184800 | 2475, 2473, 2477, 3212, 3237 (3), 6004 (9)                         | 924, 948, 951                                     |
| 1571                                | $S_3 \times 3 \times S_3 \times S_3$ | 648   | 184800 | 2475, 2458 (2), 2478, 2451 (2), 2474, 3208, 3217 (3), 3182 (6)     | 924, 938, 950                                     |
| 1572                                | $S_3 \times 3 \times S_3 \times S_3$ | 648   | 184800 | 2484 (2), 2478, 2473, 2483 (2), 2476, 3214, 3183 (6), 3245 (3)     | 924, 949, 951                                     |
| 1573                                | $S_3 \times 3 \times S_3 : S_3$      | 648   | 184800 | 2474, 2476, 2477, 3210, 3231 (3), 5904 (9)                         | 924, 944, 950                                     |
| 1574                                | $3^3 : S_3 \cdot 2 : 2$              | 648   | 184800 | 2479, 2450 (2), 6005 (18), 5918 (18)                               | 925, 940, 953                                     |
| 1575                                | $3^3 : S_3 \cdot 2 \cdot 2$          | 648   | 184800 | 2479, 5917 (18)  | 925, 936, 953                                     |
| 1576                                | $S_3 \times 3 : S_3 \times S_3$      | 648   | 184800 | 2480, 2484 (2), 2455 (2), 2483, 2481, 3244 (6), 3243 (6), 3257 (6) | 928, 949, 955                                     |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups   | Minimal Overgroups                                       |
| 1577                                | $3 : S_3 \cdot S_3 : S_3$       | 648   | 184800 | 2482 (2), 2480, 3258 (6), 5889 (9)                            | 928, 954, 955  |
| 1578                                | $3^2 : S_3 : S_3 : 2$           | 648   | 184800 | 2480, 2479, 2468, 5849 (18), 5850 (18)                        | 937, 941, 952  |
| 1579                                | $3^2 : S_3 : S_3 \cdot 2$       | 648   | 92400  | 2480, 2479 (2), 5875 (18)                                     | 937 (2), 952, 955 (2)                                    |
| 1580                                | $3^3 : S_3 \cdot 2 : 2$         | 648   | 92400  | 2479, 2480 (2), 5883 (36)                                     | 937, 952 (2), 953 (2)                                    |
| 1581                                | $2^4 : 5 : 2 \cdot 2 \times 2$  | 640   | 374220 | 2485, 2487, 2488, 4459 (5), 7832 (16)                         | 402, 405, 956  |
| 1582                                | $2^4 : 5 : 2 \cdot 2 \times 2$  | 640   | 374220 | 2485, 2489, 2490, 4460 (5), 7833 (16)                         | 403, 956   |
| 1583                                | $2^4 : 5 \times 2 : 2 \cdot 2$  | 640   | 374220 | 2492, 2485, 2491, 4461 (5), 7834 (16)                         | 404, 956   |
| 1584                                | $2^4 : 5 : 2 \times 2 \times 2$ | 640   | 374220 | 2493, 2494, 2495, 2496, 2487, 2492, 2489, 4462 (5), 7835 (16) | 406, 407, 956  |
| 1585                                | $2^4 : 5 : 2 \cdot 2 \times 2$  | 640   | 374220 | 2491, 2487, 2490, 4463 (5), 7837 (16)                         | 408, 409, 956  |
| 1586                                | $2^4 : 5 \times 2 : 2 \cdot 2$  | 640   | 374220 | 2492, 2490, 2488, 4464 (5), 7838 (16)                         | 410, 956   |
| 1587                                | $2^4 : 5 : 2 \cdot 2 \times 2$  | 640   | 374220 | 2488, 2489, 2491, 4465 (5), 7836 (16)                         | 411, 956   |
| 1588                                | $S_5 \times 5$                  | 600   | 99792  | 2498, 4931, 4933 (5), 5152 (6), 7114 (10)                     | 198, 958, 959, 960                                       |
| 1589                                | $A_5 \times 5 : 2$              | 600   | 199584 | 2497, 4968 (5), 4972 (5), 5153 (6), 7115 (10)                 | 412, 416, 417, 962, 964, 967                             |
| 1590                                | $A_5 \times 5 : 2$              | 600   | 99792  | 2498, 4967 (5), 4971 (5), 5153 (6), 7116 (10)                 | 412 (2), 415, 416 (2), 958, 961, 963, 965, 966, 968, 969 |
| 1591                                | $A_5 \times 5 : 2$              | 600   | 99792  | 2498, 4970 (5), 4997 (5), 5154 (6), 7117 (10)                 | 413 (2), 959, 965, 970                                   |
| 1592                                | $A_5 \times 5 : 2$              | 600   | 199584 | 2497, 4969 (5), 4998 (5), 5154 (6), 7118 (10)                 | 413, 964   |
| 1593                                | $A_5 \times 5 : 2$              | 600   | 199584 | 2497, 4964, 4999 (5), 5155 (6), 7119 (10)                     | 414, 964   |
| 1594                                | $S_5 \times 5$                  | 600   | 99792  | 2498, 4953, 5000 (5), 5155 (6), 7120 (10)                     | 414 (2), 960, 965, 971                                   |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups  | Minimal Overgroups                                    |
| 1595                                | $A_5 \times 5 : 2$              | 600   | 99792  | 2498, 4951 (5), 5001 (5), 5156 (6), 7121 (10)  | 958, 970, 971   |
| 1596                                | $A_5 \times 5 : 2$              | 600   | 99792  | 2498, 4952 (5), 5002 (5), 5157 (6), 7122 (10)  | 959, 968, 971   |
| 1597                                | $A_5 \times 5 \times 2$         | 600   | 99792  | 2498, 4965, 5003 (5), 5158 (6), 7123 (10)  | 960, 968, 970   |
| 1598                                | $Q_{12} : S_3 : 2 \times 2 : 2$ | 576   | 415800 | 2503, 2762, 2504, 2563, 2763, 2741, 2499, 2500, 2764, 2727, 2505, 2765, 2737, 2501, 2761, 6252 (9)             | 70 (2), 732, 1012                                     |
| 1599                                | $2^4 \times S_3 : S_3$          | 576   | 415800 | 2537, 2507 (2), 2543 (2), 2510, 2541 (2), 2539, 2508 (2), 2511, 2580, 2506, 2579, 3320 (3), 3388 (3), 4022 (4) | 129, 223 (2), 287 (2), 447, 574, 696 (2), 979         |
| 1600                                | $2^4 : S_3 : S_3$               | 576   | 17325  | 2639, 2732 (2), 3416 (6), 7895 (16)  | 131, 697 (4), 976 (6), 977, 978 (6), 980 (3), 981 (3) |
| 1601                                | $2^4 : S_3 : S_3$               | 576   | 415800 | 2512, 2670, 2506, 2662, 2509, 2661, 2669, 3347 (3), 3475 (3), 4177 (4)   | 132, 448, 585, 695, 979                               |
| 1602                                | $D_8 \times A_4 : S_3$          | 576   | 415800 | 2663, 2510, 2671, 2513, 2672, 2509, 2668, 3479 (3), 3417 (6), 3348 (3), 4178 (4)                               | 133, 449, 591, 698, 979                               |
| 1603                                | $2^4 \times S_3 : S_3$          | 576   | 138600 | 2665, 2511 (3), 2673 (3), 2674 (3), 2514 (3), 2509, 2666, 3482 (3), 3351 (3), 4179 (4)                         | 134, 450, 596, 699, 979 (3)                           |
| 1604                                | $2^2 \times 4 : S_3 : S_3$      | 576   | 415800 | 2678, 2514, 2506, 2676, 2675, 2513, 2677, 3352 (3), 3505 (3), 4180 (4)   | 135, 451, 618, 979                                    |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 1605                                | $2^2 \times 4 \times S_3 : S_3$       | 576   | 415800 | 2642, 2644, 2511,<br>2513, 2643, 2641,<br>2512, 3421 (3), 3355<br>(3), 4145 (4)                                   | 136, 452, 454 (2),<br>622, 979                                      |
| 1606                                | $2^4 : S_3 : S_3$                     | 576   | 415800 | 2679, 2512, 2510,<br>2680, 2682, 2514,<br>2681, 3506 (3), 3357<br>(3), 4181 (4)                                   | 137, 453, 624, 979  |
| 1607                                | $A_4 \times 2 \times 2 : S_3 \cdot 2$ | 576   | 103950 | 2639, 6253 (9), 7896<br>(16)  | 164 (2), 725 (2), 976,<br>982, 983, 984, 1025,<br>1055, 1056        |
| 1608                                | $2^4 : S_3 : S_3$                     | 576   | 51975  | 2639, 2517 (2), 3579<br>(6), 7897 (16)  | 165 (4), 980, 982 (2),<br>986, 987 (2), 1049<br>(2), 1064, 1071 (2) |
| 1609                                | $2^4 : S_3 : S_3$                     | 576   | 207900 | 2649, 2518 (2), 3580<br>(6), 7898 (16)  | 166 (2), 985, 1047,<br>1093   |
| 1610                                | $A_4 \times 2 \times 2 : S_3 \cdot 2$ | 576   | 207900 | 2649, 6254 (9), 7899<br>(16)  | 167 (2), 985, 1053,<br>1093   |
| 1611                                | $A_4 \times 2 \times 2 : S_3 \cdot 2$ | 576   | 51975  | 2639, 6255 (9), 7900<br>(16)  | 168 (4), 981, 984 (2),<br>986, 988 (2), 1051<br>(2), 1065, 1071 (2) |
| 1612                                | $2^4 : S_3 : S_3$                     | 576   | 103950 | 2639, 2519 (2), 3581<br>(6), 7901 (16)  | 176 (2), 727 (2), 978,<br>983, 987, 988, 1024,<br>1056, 1060        |
| 1613                                | $2^4 : 3 \times 2 : S_3$              | 576   | 207900 | 2519, 2654, 2517,<br>3582, 3583 (3), 7902<br>(16)   | 178 (2), 987, 1058,<br>1061   |
| 1614                                | $2^4 : S_3 : S_3$                     | 576   | 207900 | 2652, 2519, 2517,<br>3584 (3), 3585 (3),<br>7903 (16)   | 179 (2), 987, 1058,<br>1062   |
| 1615                                | $D_8 \times (S_3 \times S_3 : 2)$     | 576   | 415800 | 2525, 2529, 2526,<br>2523, 2527, 2503,<br>2521, 2520, 2528,<br>2530, 2522, 2683,<br>2531, 2524, 2532,<br>6256 (9) | 217 (2), 700, 1012  |
| 1616                                | $2^4 : S_3 : S_3$                     | 576   | 207900 | 2640, 2550, 2655,<br>3347 (3), 3346 (3),<br>4051 (4), 3992 (4)  | 219, 466 (2), 990,<br>992, 993                                      |
| 1617                                | $2^4 : S_3 : S_3$                     | 576   | 103950 | 2639, 2551 (2), 3347<br>(6), 3938 (8)   | 219 (2), 444 (4), 695<br>(2), 976, 982, 988,<br>989, 991, 994, 1024 |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups                                   |
| 1618                                | $2^4 \times S_3 : S_3$                 | 576   | 831600 | 2604, 2709, 2538,<br>2542, 2707, 2534,<br>2599, 2686, 2533,<br>2598, 2687, 2535,<br>2540, 2536, 2601,<br>3388 (3), 3321 (3),<br>4040 (4) | 223, 296, 562, 573,<br>701                           |
| 1619                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 103950 | 2551 (2), 2766, 3325,<br>3586 (3), 4039 (4),<br>3993 (4)   | 228 (2), 989, 996,<br>998, 1043, 1080,<br>1087, 1092 |
| 1620                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2645, 2550, 2715,<br>3324, 3586 (3), 4052<br>(4), 3994 (4)   | 228, 579, 990, 995,<br>997                           |
| 1621                                | $2^4 : S_3 : S_3$                      | 576   | 103950 | 2767, 2551 (2), 3359<br>(6), 3996 (8)  | 229 (2), 973 (2), 989,<br>1001 (2)                   |
| 1622                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2768, 2550, 2553,<br>3358 (3), 3359 (3),<br>3995 (4), 3998 (4)   | 229, 230, 990, 1000,<br>1003                         |
| 1623                                | $2^4 : S_3 : S_3$                      | 576   | 103950 | 2552 (2), 2769, 3358<br>(6), 3997 (8)  | 230 (2), 972 (2), 999,<br>1002 (2)                   |
| 1624                                | $2^4 \times S_3 : S_3$                 | 576   | 831600 | 2558, 2557, 2545,<br>2593, 2596, 2555,<br>2547, 2515, 2688,<br>2595, 2549, 2594,<br>2560, 2685, 2708,<br>3361 (3), 3389 (3),<br>4040 (4) | 232, 298, 573, 712                                   |
| 1625                                | $2^4 : S_3 \times S_3$                 | 576   | 831600 | 2559, 2556, 2544,<br>2603, 2602, 2554,<br>2546, 2711, 2712,<br>2600, 2548, 2597,<br>2561, 2713, 2710,<br>3360 (3), 3389 (3),<br>4041 (4) | 232, 297, 575, 713                                   |
| 1626                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2652, 2646, 2551,<br>3348 (3), 3435 (3),<br>4000 (4), 4053 (4)   | 234, 464 (2), 470 (2),<br>698 (2), 991, 996,<br>1001 |
| 1627                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2657, 2647, 2550,<br>3435 (3), 3349 (3),<br>4054 (4), 3999 (4)   | 234, 390 (4), 469 (2),<br>992, 995, 1000             |
| 1628                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2550, 2659, 2648,<br>3350, 3433 (3), 4056<br>(4), 4002 (4)   | 235, 467 (2), 992,<br>997, 1003                      |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups                             |
| 1629                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2551, 2654, 2646, 3351, 3433 (3), 4055 (4), 4001 (4)     | 235, 465 (2), 468 (2), 699 (2), 991, 998, 1001 |
| 1630                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2649, 2552, 2656, 3423 (3), 3362 (3), 4008 (4), 4058 (4) | 236, 471 (2), 999, 1004, 1010                  |
| 1631                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2640, 2645, 2553, 3423 (3), 3363 (3), 4057 (4), 4007 (4) | 236, 472 (2), 990, 1005, 1011                  |
| 1632                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2647, 2653, 2553, 3365, 3434 (3), 4060 (4), 4009 (4)     | 237, 473 (2), 1000, 1005, 1006                 |
| 1633                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2552, 2660, 2650, 3364, 3434 (3), 4059 (4), 4010 (4)     | 237, 474 (2), 1002, 1004, 1007                 |
| 1634                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2553, 2651, 2648, 3366 (3), 3436 (3), 4012 (4), 4061 (4) | 238, 475 (2), 1003, 1005, 1008                 |
| 1635                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2658, 2552, 2650, 3436 (3), 3367 (3), 4062 (4), 4011 (4) | 238, 476 (2), 1002, 1004, 1009                 |
| 1636                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2652, 2770, 2551, 3368 (3), 3587 (3), 4064 (4), 4003 (4) | 239, 994, 996, 1001                            |
| 1637                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2771, 2651, 2550, 3369 (3), 3587 (3), 4063 (4), 4004 (4) | 239, 993, 995, 1003                            |
| 1638                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2772, 2550, 2653, 3370, 3588 (3), 4065 (4), 4006 (4)     | 240, 993, 997, 1000                            |
| 1639                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2770, 2551, 2654, 3371, 3588 (3), 4066 (4), 4005 (4)     | 240, 994, 998, 1001                            |
| 1640                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2552, 2773, 2656, 3319, 3492 (3), 4068 (4), 4014 (4)     | 241, 999, 1007, 1009                           |
| 1641                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2655, 2715, 2553, 3318, 3492 (3), 4067 (4), 4013 (4)     | 241, 605, 990, 1006, 1008                      |
| 1642                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2658, 2774, 2552, 3373 (3), 3589 (3), 4015 (4), 4070 (4) | 242, 1002, 1009, 1010                          |

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| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups      |
| 1643                                | $2^4 : S_3 : S_3$                         | 576   | 207900 | 2657, 2772, 2553, 3589 (3), 3372 (3), 4069 (4), 4016 (4)   | 242, 1000, 1008, 1011   |
| 1644                                | $A_4 \times 2 \times 2 \times 2 : S_3$    | 576   | 207900 | 2553, 2659, 2771, 3374, 3590 (3), 4071 (4), 4017 (4)   | 243, 1003, 1006, 1011   |
| 1645                                | $A_4 \times 2 \times 2 \times 2 : S_3$    | 576   | 207900 | 2774, 2660, 2552, 3375, 3590 (3), 4072 (4), 4018 (4)   | 243, 1002, 1007, 1010   |
| 1646                                | $D_8 \times 2 \times S_3 \times S_3$      | 576   | 415800 | 2568, 2605 (2), 2608 (2), 2564, 2717, 2718, 2566, 2620 (2), 2619 (2), 2569, 2733, 2629, 2563, 2618 (2), 2621 (2), 2567, 2775, 2725, 2606 (2), 2607 (2), 2719, 2565, 2683, 3388 (6) | 288 (2), 696, 701, 1012 |
| 1647                                | $D_{12} \times S_3 : 2 \times 2 \times 2$ | 576   | 138600 | 2520 (3), 2571 (3), 2776 (3), 2617, 2777 (3), 2572 (3), 2563, 2612, 2750, 2778 (3), 2575 (3), 2574 (3), 2744, 2570, 2759, 6257 (9)   | 289, 719, 1012 (3)      |
| 1648                                | $D_8 \times (S_3 \times S_3 : 2)$         | 576   | 415800 | 2570, 2521, 2609, 2499, 2573, 2779, 2611, 2564, 2780, 2587, 2720, 2581, 2734, 2735, 2576, 6258 (9)   | 290, 702, 703, 1012     |
| 1649                                | $D_8 \times (S_3 \times S_3 : 2)$         | 576   | 415800 | 2577, 2781, 2742, 2573, 2588, 2565, 2782, 2574, 2614, 2747, 2783, 2763, 2584, 2522, 2622, 6259 (9)   | 291, 716, 1012          |
| 1650                                | $2^3 \times S_3 \times S_3 : 2$           | 576   | 138600 | 2575 (3), 2784 (3), 2785 (3), 2765 (3), 2578 (3), 2589, 2615, 2786 (3), 2523, 2752, 2610 (3), 2623 (3), 2748, 2566, 2573, 6260 (9)   | 292, 717, 1012 (3)      |

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| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 1651                                | $D_8 \times (S_3 \times S_3 : 2)$       | 576   | 415800 | 2578, 2787, 2745,<br>2577, 2585, 2567,<br>2524, 2570, 2616,<br>2788, 2760, 2505,<br>2590, 2789, 2613,<br>6261 (9) | 293, 720, 1012      |
| 1652                                | $2 \times 12 : S_3 \cdot 2 : 2$         | 576   | 415800 | 2568, 2625, 2577,<br>2762, 2591, 2790,<br>2791, 2575, 2792,<br>2624, 2576, 2793,<br>2582, 2794, 2525,<br>6262 (9) | 294, 1012           |
| 1653                                | $D_8 \times (S_3 \times S_3 : 2)$       | 576   | 415800 | 2576, 2795, 2796,<br>2578, 2583, 2764,<br>2797, 2574, 2627,<br>2798, 2799, 2569,<br>2592, 2526, 2626,<br>6263 (9) | 295, 1012           |
| 1654                                | $D_8 \times (S_3 \times S_3 : 2)$       | 576   | 415800 | 2632, 2635, 2631,<br>2583, 2634, 2571,<br>2582, 2629, 2633,<br>2584, 2581, 2503,<br>2610, 2630, 2585,<br>6264 (9) | 299, 312 (2), 1012  |
| 1655                                | $D_8 \times (S_3 \times S_3 : 2)$       | 576   | 415800 | 2591, 2726, 2728,<br>2589, 2592, 2500,<br>2800, 2571, 2590,<br>2801, 2802, 2683,<br>2588, 2730, 2587,<br>6265 (9) | 300, 714, 1012      |
| 1656                                | $2^2 : S_3 : S_3 : 2 \times 2$          | 576   | 415800 | 2527, 2803, 2743,<br>2717, 2627, 2572,<br>2615, 2587, 2804,<br>2501, 2755, 2585,<br>2625, 2614, 2805,<br>6266 (9) | 301, 715, 1012      |
| 1657                                | $D_8 \times (3 : S_3 \cdot 2 \times 2)$ | 576   | 415800 | 2588, 2806, 2738,<br>2528, 2736, 2737,<br>2721, 2719, 2624,<br>2583, 2615, 2617,<br>2613, 2609, 2807,<br>6267 (9) | 302, 704, 705, 1012 |

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| Nr.                                 | Structure                                  | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 1658                                | $D_8 \times (S_3 \times S_3 : 2)$          | 576   | 415800 | 2582, 2741, 2740,<br>2612, 2614, 2529,<br>2739, 2589, 2626,<br>2808, 2809, 2718,<br>2609, 2722, 2616,<br>6268 (9) | 303, 706, 707, 1012  |
| 1659                                | $D_8 \times (S_3 \times S_3 : 2)$          | 576   | 415800 | 2610, 2810, 2627,<br>2591, 2729, 2725,<br>2613, 2612, 2811,<br>2530, 2622, 2727,<br>2731, 2611, 2812,<br>6269 (9) | 304, 718, 1012   |
| 1660                                | $D_{12} \times S_3 : 2 \times 2 : 2$       | 576   | 415800 | 2761, 2592, 2746,<br>2617, 2623, 2813,<br>2611, 2733, 2625,<br>2532, 2616, 2584,<br>2814, 2749, 2815,<br>6270 (9) | 305, 721, 1012   |
| 1661                                | $S_3 \times S_3 : 2 \times 2 : 2 \times 2$ | 576   | 415800 | 2624, 2816, 2590,<br>2623, 2817, 2504,<br>2622, 2572, 2818,<br>2819, 2581, 2775,<br>2820, 2626, 2531,<br>6271 (9) | 306, 1012  |
| 1662                                | $D_8 \times 6 : 2 : S_3$                   | 576   | 415800 | 2703, 2692, 2691,<br>3416, 3468 (3), 4182<br>(4)  | 389, 578, 697, 1015  |
| 1663                                | $2^{1+4} \times 3 : S_3$                   | 576   | 207900 | 2714, 3415, 3468 (3),<br>4182 (8), 3994 (4)   | 389 (2), 579, 974,<br>975, 1014                                  |
| 1664                                | $2^4 : S_3 : S_3$                          | 576   | 831600 | 2664, 2667, 2636,<br>3417 (3), 3435 (3),<br>4138 (4), 4054 (4)  | 390, 482, 590, 698   |
| 1665                                | $2^4 : S_3 : S_3$                          | 576   | 415800 | 2637, 2695, 2706,<br>3591 (3), 3418 (3),<br>4141 (4), 4183 (4)  | 391 (2), 587, 1016   |
| 1666                                | $A_4 \times 2 \times 2 \times 2 : S_3$     | 576   | 415800 | 2697, 2706, 2638,<br>3420, 3419 (3), 4140<br>(4), 4184 (4)  | 392 (2), 588, 627,<br>1016                                       |
| 1667                                | $2^4 : S_3 : S_3$                          | 576   | 17325  | 2639, 2646 (2), 3429<br>(6), 3939 (8)   | 445 (8), 723 (4), 977,<br>983 (6), 986 (3), 991<br>(6), 1063 (3) |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups                                    |
| 1668                                | $2^4 : 3 \times 2 : S_3$               | 576   | 103950 | 2652, 2639, 2654, 3592 (6), 3431 (6), 3940 (8)                         | 446 (4), 722 (2), 978, 984, 987, 991, 994, 1025, 1059 |
| 1669                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2648, 2640, 2647, 3437 (3), 3430 (3), 4143 (4), 4156 (4)               | 489 (2), 494 (2), 992, 1005, 1018                     |
| 1670                                | $2^4 : 3 \times 2 : S_3$               | 576   | 207900 | 2651, 2640, 2653, 3593 (6), 3594 (3), 3432 (3), 4185 (4), 4144 (4)     | 490 (2), 993, 1005, 1022                              |
| 1671                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2651, 2647, 2645, 3424 (3), 3400 (3), 4183 (4), 4147 (4)               | 491 (2), 995, 1005, 1073                              |
| 1672                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2648, 2653, 2645, 3425, 3595 (3), 4186 (4), 4148 (4)                   | 492 (2), 997, 1005, 1072                              |
| 1673                                | $2^4 : S_3 : S_3$                      | 576   | 103950 | 2649, 2650 (2), 3438 (6), 4155 (8)                                     | 493 (4), 985 (2), 1004 (2), 1075                      |
| 1674                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2647, 2659, 2655, 3320, 3596 (3), 4187 (4), 4137 (4)                   | 495 (2), 992, 1006, 1073                              |
| 1675                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2650, 2660, 2656, 3422, 3597 (3), 4188 (4), 4157 (4)                   | 496 (2), 1004, 1007, 1074                             |
| 1676                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2657, 2648, 2655, 3598 (3), 3352 (3), 4189 (4), 4158 (4)               | 497 (2), 992, 1008, 1072                              |
| 1677                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2658, 2656, 2650, 3599 (3), 3426 (3), 4159 (4), 4190 (4)               | 498 (2), 1004, 1009, 1074                             |
| 1678                                | $2^4 : 3 \times 2 : S_3$               | 576   | 207900 | 2649, 2660, 2658, 3600 (6), 3439 (3), 3601 (3), 4191 (4), 4161 (4)     | 499 (2), 1004, 1010, 1076                             |
| 1679                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2657, 2659, 2640, 3440 (3), 3602 (6), 3603 (3), 4160 (4), 4192 (4)     | 500 (2), 992, 1011, 1022                              |
| 1680                                | $2^4 \times S_3 : S_3$                 | 576   | 415800 | 2641, 2675, 2661, 2663, 2679, 2537, 2665, 3431 (3), 3477 (3), 4193 (4) | 501, 592, 722, 979                                    |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 1681                                | $D_8 \times (2 \times 6) : S_3$        | 576   | 415800 | 2661, 2666, 2539,<br>2668, 2678, 2642,<br>2680, 3429, 3483 (3),<br>4194 (4)     | 502, 597, 723, 979 |
| 1682                                | $D_8 \times A_4 \times S_3$            | 576   | 415800 | 2665, 2668, 2580,<br>2662, 2644, 2681,<br>2677, 3482, 3433 (3),<br>4194 (4)     | 503, 597, 699, 979 |
| 1683                                | $2^4 : S_3 : S_3$                      | 576   | 415800 | 2666, 2662, 2579,<br>2663, 2643, 2676,<br>2682, 3479 (3), 3435<br>(3), 4193 (4) | 504, 592, 698, 979 |
| 1684                                | $2^2 \times 4 \times S_3 : S_3$        | 576   | 415800 | 2682, 2644, 2537,<br>2670, 2672, 2673,<br>2678, 3442 (3), 3516<br>(3), 4195 (4) | 514, 628, 979      |
| 1685                                | $2^4 : S_3 : S_3$                      | 576   | 415800 | 2670, 2674, 2539,<br>2671, 2675, 2643,<br>2681, 3398 (3), 3518<br>(3), 4196 (4) | 515, 629, 979      |
| 1686                                | $2^4 \times S_3 : S_3$                 | 576   | 415800 | 2676, 2673, 2580,<br>2680, 2669, 2641,<br>2671, 3440 (3), 3517<br>(3), 4196 (4) | 516, 629, 979      |
| 1687                                | $2^2 \times 4 : S_3 : S_3$             | 576   | 415800 | 2679, 2642, 2579,<br>2669, 2672, 2674,<br>2677, 3515 (3), 3437<br>(3), 4195 (4) | 517, 628, 979      |
| 1688                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 415800 | 2638, 2704, 2637,<br>3451, 3604 (3), 4052<br>(4), 4182 (4)                      | 578, 579, 1016     |
| 1689                                | $2^4 : S_3 : S_3$                      | 576   | 831600 | 2702, 2694, 2689,<br>3605 (3), 3469 (3),<br>7904 (16)                           | 580                |
| 1690                                | $2^4 : S_3 : S_3$                      | 576   | 831600 | 2701, 2693, 2690,<br>3470 (3), 3606 (3),<br>7905 (16)                           | 581, 724           |
| 1691                                | $2^4 : S_3 : S_3$                      | 576   | 415800 | 2699, 2698, 2691,<br>3606 (3), 3473 (3),<br>4197 (4)                            | 582, 724, 1015     |
| 1692                                | $2^4 : S_3 : S_3$                      | 576   | 415800 | 2697, 2637, 2700,<br>3607 (3), 3472 (3),<br>4198 (4), 4197 (4)                  | 582, 1016          |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 1693                                | $2^4 : 3 : 2 : S_3$                    | 576   | 415800 | 2692, 2696, 2699, 3470 (6), 3473 (3), 3608 (3), 4199 (4)           | 583, 724, 1015       |
| 1694                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 415800 | 2695, 2700, 2638, 3609 (3), 3471 (6), 3474 (3), 4199 (4), 4200 (4) | 583, 626, 1016       |
| 1695                                | $2^4 \times S_3 : S_3$                 | 576   | 138600 | 2696, 2691, 2705, 3476 (3), 3610 (3), 4141 (12)                    | 587, 726, 1015 (3)   |
| 1696                                | $2^4 : 3 : 2 \times S_3$               | 576   | 415800 | 2692, 2698, 2705, 3476, 3611 (3), 4140 (4)                         | 588, 726, 1015       |
| 1697                                | $2^4 : S_3 \times S_3$                 | 576   | 415800 | 2705, 2699, 2703, 3477 (3), 3592 (3), 4138 (8), 4201 (4)           | 590, 722, 1015       |
| 1698                                | $2^4 : S_3 : S_3$                      | 576   | 415800 | 2700, 2706, 2704, 3612 (3), 3478 (3), 4054 (4), 4201 (4)           | 590, 1016            |
| 1699                                | $2^4 : S_3 : S_3$                      | 576   | 415800 | 2697, 2695, 2704, 3480 (3), 3613 (3), 4202 (4), 4063 (4)           | 593, 1016            |
| 1700                                | $2^4 : S_3 : S_3$                      | 576   | 415800 | 2703, 2698, 2696, 3581 (3), 3481 (3), 4202 (4)                     | 593, 727, 1015       |
| 1701                                | $Q_8 : A_4 : S_3$                      | 576   | 415800 | 2716, 3487 (6), 3485 (3), 3614 (3), 4111 (4), 4203 (4)             | 604, 1017            |
| 1702                                | $2^4 : 3 \times 2 : S_3$               | 576   | 207900 | 2768, 2640, 2715, 3488 (6), 3486 (3), 3615 (3), 4203 (4), 4204 (4) | 604, 990, 1018, 1022 |
| 1703                                | $2^{1+4} : 3 : S_3$                    | 576   | 207900 | 2714, 3616 (3), 3490 (3), 3489 (6), 4111 (8), 4204 (4)             | 604, 974, 1019, 1021 |
| 1704                                | $2^{1+4} : 3 : S_3$                    | 576   | 207900 | 2714, 3491, 3443 (3), 4067 (4)                                     | 605, 974, 1020, 1023 |
| 1705                                | $2^4 : 3 : 3 \times 2 \times 2$        | 576   | 207900 | 2653, 2659, 2715, 3494 (2), 3617, 3496, 4205 (4), 4206 (4)         | 606, 997, 1006, 1022 |
| 1706                                | $2^{1+4} : (3 \times 6)$               | 576   | 207900 | 2714, 3493 (2), 3495, 3618, 4205 (4)                               | 606, 975, 1021, 1023 |

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|-------------------------------------|--|-------|--------|--|-----------------------|
| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups    |
| 1707                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2772, 2648, 2715, 3498, 3619 (3), 4207 (4), 4208 (4)   | 607, 997, 1008, 1018  |
| 1708                                | $2^{1+4} \times 3 : S_3$               | 576   | 207900 | 2714, 3620, 3499 (3), 4113 (8), 4208 (4)   | 607, 975, 1019, 1020  |
| 1709                                | $Q_8 \times A_4 : S_3$                 | 576   | 415800 | 2716, 3497, 3621 (3), 4113 (4), 4207 (4)   | 607, 1017             |
| 1710                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2651, 2657, 2715, 3622 (3), 3509 (6), 3511 (3), 4209 (4), 4200 (4)   | 626, 995, 1008, 1022  |
| 1711                                | $2^{1+4} : 3 : S_3$                    | 576   | 207900 | 2714, 3508 (6), 3623 (3), 3510 (3), 4199 (8), 4209 (4)   | 626, 1014, 1020, 1021 |
| 1712                                | $2^{1+4} : 3 \times S_3$               | 576   | 207900 | 2714, 3512, 3624 (3), 4140 (8), 4210 (4), 4112 (8)   | 627, 1014, 1019, 1023 |
| 1713                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2771, 2647, 2715, 3625, 3513 (3), 4210 (4), 4184 (4)   | 627, 995, 1006, 1018  |
| 1714                                | $Q_8 : (2 \times 6) : S_3$             | 576   | 415800 | 2716, 3626, 3514 (3), 4184 (4), 4112 (4)   | 627, 1017             |
| 1715                                | $D_8 \times (S_3 \times S_3 : 2)$      | 576   | 415800 | 2726, 2792, 2820, 2630, 2746, 2727, 2745, 2744, 2742, 2523, 2743, 2718, 2721, 2720, 2796, 6272 (9)   | 708, 709, 1012        |
| 1716                                | $D_8 \times (S_3 \times S_3 : 2)$      | 576   | 415800 | 2728, 2505, 2794, 2631, 2798, 2818, 2729, 2750, 2721, 2564, 2748, 2527, 2747, 2722, 2749, 6273 (9)   | 710, 711, 1012        |
| 1717                                | $D_8 \times 2 \times S_3 \times S_3$   | 576   | 415800 | 2752, 2758 (2), 2731, 2756 (2), 2761, 2821 (2), 2793, 2760, 2822 (2), 2632, 2819, 2759, 2754 (2), 2522, 2724 (2), 2722, 2723 (2), 2719, 2751 (2), 2730, 2720, 2755, 2797, 3389 (6) | 712, 713, 1012        |

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| Nr.                                 | Structure                                     | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 1718                                | $2^4 : S_3 : S_3$                             | 576   | 207900 | 2652, 2519, 2732, 3606 (3), 3608 (3), 7906 (16)  | 724 (2), 978, 1058, 1062  |
| 1719                                | $2^4 : 3 \times 2 : S_3$                      | 576   | 207900 | 2654, 2519, 2732, 3610, 3611 (3), 7907 (16)  | 726 (2), 978, 1058, 1061  |
| 1720                                | $A_4 \times 2 \times 2 : S_3 \cdot 2$         | 576   | 17325  | 2639, 6274 (9), 7908 (16)  | 728 (4), 977, 1024 (6), 1025 (6), 1064 (3), 1065 (3)                  |
| 1721                                | $2^6 : 3 \cdot 3$                             | 576   | 138600 | 3627, 10412 (64)   | 729, 1031   |
| 1722                                | $2^4 : 3 \times 2 \times 2 : 3$               | 576   | 23100  | 3627, 3628 (3), 4211 (12)  | 729 (2), 730, 731, 1027 (3), 1032 (9), 1038 (3)                       |
| 1723                                | $2^4 : 3 \times 2 \times 2 : 3$               | 576   | 69300  | 3445 (3), 3627, 4212 (12)  | 730, 1026 (3), 1033, 1040 (3)   |
| 1724                                | $2^6 : 3 : 3$                                 | 576   | 34650  | 3627 (2), 3629, 3628, 4213 (12), 4167 (8), 4214 (4)  | 731, 1028, 1030 (3), 1034, 1035 (3), 1037 (3), 1042 (3), 1044         |
| 1725                                | $A_4 \times 2 \times 2 : 3 \times 2 \times 2$ | 576   | 17325  | 2766 (3), 3629 (2), 3628 (2), 4166 (8)   | 731, 1029 (2), 1036 (6), 1039 (3), 1041, 1043 (6), 1045 (2), 1046 (3) |
| 1726                                | $3 : S_3 \cdot 2 \times 2 : 2 \times 2 : 2$   | 576   | 415800 | 2759, 2526, 2816, 2635, 2785, 2782, 2805, 2800, 2729, 2733, 2745, 2737, 2740, 2735, 2790, 6275 (9) | 733, 1012   |
| 1727                                | $D_8 \times (3 : S_3 \cdot 2 : 2)$            | 576   | 415800 | 2744, 2525, 2799, 2634, 2804, 2784, 2783, 2801, 2760, 2725, 2749, 2741, 2735, 2736, 2817, 6276 (9) | 734, 1012   |
| 1728                                | $D_8 \times (3 : S_3 \cdot 2 : 2)$            | 576   | 415800 | 2750, 2531, 2795, 2633, 2786, 2803, 2781, 2802, 2731, 2567, 2746, 2499, 2740, 2736, 2791, 6277 (9) | 735, 1012   |

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| Nr.                                 | Structure                                  | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 1729                                | $D_{12} \times S_3 : 2 \times 2 : 2$       | 576   | 415800 | 2566, 2634, 2816,<br>2762, 2787, 2810,<br>2814, 2777, 2747,<br>2726, 2755, 2529,<br>2734, 2738, 2795,<br>6278 (9) | 736, 1012  |
| 1730                                | $D_8 \times (3 : S_3 \cdot 2 : 2)$         | 576   | 415800 | 2748, 2788, 2817,<br>2791, 2635, 2764,<br>2813, 2776, 2739,<br>2734, 2743, 2565,<br>2730, 2528, 2812,<br>6279 (9) | 737, 1012  |
| 1731                                | $S_3 \times S_3 : 2 \times 2 : 2 \times 2$ | 576   | 415800 | 2752, 2815, 2799,<br>2790, 2633, 2504,<br>2789, 2778, 2739,<br>2738, 2742, 2717,<br>2728, 2521, 2811,<br>6280 (9) | 738, 1012  |
| 1732                                | $2^4 : S_3 : S_3$                          | 576   | 207900 | 2769, 2518 (2), 3630<br>(6), 7909 (16)  | 972, 1047, 1048  |
| 1733                                | $A_4 \times 2 \times 2 : S_3 \cdot 2$      | 576   | 207900 | 2769, 6281 (9), 7910<br>(16)  | 972, 1013, 1048  |
| 1734                                | $2^4 : S_3 : S_3$                          | 576   | 103950 | 2767, 2517 (2), 3631<br>(6), 7911 (16)  | 973 (2), 1049, 1057<br>(2)   |
| 1735                                | $A_4 \times 2 \times 2 : S_3 \cdot 2$      | 576   | 103950 | 2767, 6282 (9), 7912<br>(16)  | 973 (2), 1050, 1096<br>(2)   |
| 1736                                | $2^4 : S_3 : S_3$                          | 576   | 103950 | 2767, 2517, 2732,<br>3632 (3), 3633 (3),<br>7913 (16)   | 980, 1057 (2), 1058<br>(2)   |
| 1737                                | $2^4 : 3 \times 2 : S_3$                   | 576   | 103950 | 2766, 2732, 2517,<br>3634, 3635 (3), 7914<br>(16)   | 980, 1029, 1057,<br>1061, 1062, 1067,<br>1069  |
| 1738                                | $2^4 : 3 \times 2 : S_3$                   | 576   | 51975  | 2767, 2766, 2639,<br>3636 (6), 3637 (6),<br>3941 (8)  | 980, 989, 1041, 1049,<br>1050, 1051, 1052,<br>1055, 1059, 1060,<br>1063, 1065, 1066,<br>1068, 1070 |
| 1739                                | $2^4 : S_3 : S_3$                          | 576   | 51975  | 2770 (2), 2639, 3638<br>(6), 3942 (8)   | 981, 994 (2), 1056<br>(2), 1063, 1064, 1070<br>(2), 1071 (2)                                       |
| 1740                                | $2^4 : S_3 : S_3$                          | 576   | 207900 | 2768, 2645, 2655,<br>3336 (3), 3639 (3),<br>3943 (4), 4215 (4)  | 990, 1072, 1073  |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups                                      |
| 1741                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2771, 2772, 2640, 3640 (3), 3641 (3), 4216 (4), 4217 (4)           | 993, 1011, 1018   |
| 1742                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2653, 2655, 2771, 3322, 3642 (3), 4218 (4), 4219 (4)               | 993, 1006, 1072   |
| 1743                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2651, 2772, 2655, 3643 (3), 3344 (3), 4220 (4), 4221 (4)           | 993, 1008, 1073   |
| 1744                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2657, 2771, 2645, 3644 (3), 3645 (3), 4198 (4), 4222 (4)           | 995, 1011, 1072   |
| 1745                                | $2^4 : 3 \times 2 : S_3$               | 576   | 51975  | 2652 (2), 2766, 3646 (6), 3647 (6), 4171 (8)                       | 996 (2), 1039, 1059, 1062 (2), 1079 (2), 1083, 1086 (2) |
| 1746                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 103950 | 2770, 2766, 2646, 3648, 3649 (3), 4163 (4), 4165 (4)               | 996, 998, 1045, 1063, 1085, 1089, 1090                  |
| 1747                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 2645, 2659, 2772, 3650, 3401 (3), 3944 (4), 4223 (4)               | 997, 1011, 1073   |
| 1748                                | $2^4 : 3 : 3 \times 2 \times 2$        | 576   | 51975  | 2766, 2654 (2), 3651 (2), 3652 (2), 4170 (8)                       | 998 (2), 1046, 1059, 1061 (2), 1081 (2), 1084, 1091 (2) |
| 1749                                | $2^4 : S_3 : S_3$                      | 576   | 103950 | 2769, 2656 (2), 3653 (6), 4224 (8)                                 | 999, 1048 (2), 1074 (2)                                 |
| 1750                                | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 103950 | 2649, 2773, 2769, 3390 (6), 3391 (6), 4225 (8)                     | 999, 1013, 1047, 1053, 1054, 1075, 1076                 |
| 1751                                | $2^4 : 3 \times 2 : S_3$               | 576   | 207900 | 2768, 2653, 2657, 3654 (6), 3655 (3), 3656 (3), 4226 (4), 4227 (4) | 1000, 1022, 1072  |
| 1752                                | $2^4 : S_3 : S_3$                      | 576   | 207900 | 2772, 2768, 2647, 3413 (3), 3657 (3), 4228 (4), 4229 (4)           | 1000, 1018, 1073  |
| 1753                                | $2^4 : 3 \times 2 : S_3$               | 576   | 103950 | 2767, 2654, 2652, 3658 (6), 3659 (6), 4169 (8)                     | 1001 (2), 1058 (2), 1059                                |
| 1754                                | $2^4 : S_3 : S_3$                      | 576   | 103950 | 2767, 2770, 2646, 3660 (3), 3661 (3), 4173 (4), 4172 (4)           | 1001 (2), 1063, 1089 (2)                                |

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| Nr.                                 | Structure                                  | Order | Length | Maximal Subgroups  | Minimal Overgroups       |
| 1755                                | $2^4 : S_3 : S_3$                          | 576   | 207900 | 2769, 2774, 2650, 3662 (3), 3663 (3), 4230 (4), 4231 (4)   | 1002, 1074, 1075         |
| 1756                                | $2^4 : 3 \times 2 : S_3$                   | 576   | 207900 | 2658, 2660, 2769, 3664 (6), 3665 (3), 3666 (3), 4232 (4), 4233 (4)                                 | 1002, 1074, 1076         |
| 1757                                | $2^4 : S_3 : S_3$                          | 576   | 207900 | 2768, 2771, 2648, 3667 (3), 3668 (3), 4234 (4), 4235 (4)   | 1003, 1018, 1072         |
| 1758                                | $2^4 : 3 \times 2 : S_3$                   | 576   | 207900 | 2651, 2659, 2768, 3669 (6), 3412 (3), 3670 (3), 4236 (4), 4237 (4)                                 | 1003, 1022, 1073         |
| 1759                                | $A_4 \times 2 \times 2 \times 2 : S_3$     | 576   | 207900 | 2774, 2773, 2650, 3465, 3527 (3), 4238 (4), 4239 (4)   | 1007, 1009, 1075         |
| 1760                                | $2^4 : 3 : 3 \times 2 \times 2$            | 576   | 103950 | 2773, 2660 (2), 3460 (2), 3461 (2), 4240 (8)   | 1007 (2), 1076, 1095 (2) |
| 1761                                | $A_4 \times 2 \times 2 \times 2 : S_3$     | 576   | 207900 | 2774, 2660, 2656, 3671, 3672 (3), 4241 (4), 4242 (4)   | 1007, 1010, 1074         |
| 1762                                | $2^4 : 3 \times 2 : S_3$                   | 576   | 103950 | 2658 (2), 2773, 3540 (6), 3525 (6), 4243 (8)   | 1009 (2), 1076, 1094 (2) |
| 1763                                | $2^4 : S_3 : S_3$                          | 576   | 207900 | 2658, 2656, 2774, 3673 (3), 3674 (3), 4244 (4), 4245 (4)   | 1009, 1010, 1074         |
| 1764                                | $2^4 : S_3 : S_3$                          | 576   | 103950 | 2649, 2774 (2), 3675 (6), 4246 (8)   | 1010 (2), 1075, 1093 (2) |
| 1765                                | $S_3 \times S_3 : 2 \times 2 \times 2 : 2$ | 576   | 415800 | 2765, 2630, 2805, 2568, 2780, 2530, 2807, 2777, 2798, 2801, 2819, 2808, 2788, 2815, 2781, 6283 (9) | 1012                     |
| 1766                                | $D_8 \times (3 : S_3 \cdot 2 : 2)$         | 576   | 415800 | 2786, 2780, 2820, 2794, 2800, 2763, 2532, 2776, 2811, 2787, 2804, 2569, 2632, 2806, 2809, 6284 (9) | 1012                     |

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| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 1767                                | $D_{12} \times S_3 \cdot 2 : 2 \times 2$     | 576   | 415800 | 2785, 2807, 2796,<br>2793, 2802, 2501,<br>2524, 2778, 2812,<br>2814, 2783, 2775,<br>2631, 2779, 2809,<br>6285 (9) | 1012   |
| 1768                                | $D_8 \times (3 : S_3 \cdot 2 : 2)$           | 576   | 415800 | 2784, 2808, 2803,<br>2792, 2797, 2500,<br>2806, 2520, 2779,<br>2810, 2818, 2629,<br>2782, 2813, 2789,<br>6286 (9) | 1012   |
| 1769                                | $2^4 : 3 \times 2 : S_3$                     | 576   | 103950 | 2517 (2), 2766, 3676,<br>3677 (3), 7915 (16)  | 1029, 1049, 1057,<br>1078, 1079, 1081,<br>1082                 |
| 1770                                | $2^4 : 3 \times 2 : S_3$                     | 576   | 103950 | 2519 (2), 2766, 3678,<br>3679 (3), 7916 (16)  | 1036, 1060, 1061,<br>1062, 1078, 1082,<br>1088                 |
| 1771                                | $2^4 : 3 \times 2 \cdot S_3$                 | 576   | 103950 | 2766, 3680, 3681 (3),<br>7917 (16)  | 1036, 1052, 1067,<br>1069, 1079, 1081,<br>1088                 |
| 1772                                | $A_4 \times 2 \times 2 \times 2 \cdot S_3$   | 576   | 51975  | 2766, 3682 (6), 3683<br>(6), 4162 (8)   | 1039, 1068, 1069 (2),<br>1078 (2), 1084, 1085<br>(2), 1087 (2) |
| 1773                                | $2^4 : 3 \times 2 : S_3$                     | 576   | 51975  | 2767 (2), 2766, 3684<br>(6), 3685 (6), 4168<br>(8)  | 1041, 1057 (2), 1080<br>(2), 1083, 1084, 1088<br>(2), 1089 (2) |
| 1774                                | $A_4 \times 2 \times 2 \times 2 \cdot S_3$   | 576   | 103950 | 2766, 3686, 3687 (3),<br>4142 (4), 4146 (4)   | 1043, 1066, 1080,<br>1085, 1086, 1090,<br>1091                 |
| 1775                                | $A_4 \times 2 \times 2 \times 2 : S_3$       | 576   | 103950 | 2770 (2), 2766, 3688,<br>3689 (3), 4176 (4),<br>4174 (4)  | 1045, 1070, 1086,<br>1087, 1089, 1091,<br>1092                 |
| 1776                                | $A_4 \times 2 \times 2 : 3 \times 2 \cdot 2$ | 576   | 51975  | 2766, 3690 (2), 3691<br>(2), 4164 (8)   | 1046, 1067 (2), 1068,<br>1082 (2), 1083, 1090<br>(2), 1092 (2) |
| 1777                                | $2^4 : 3 \times 2 : S_3$                     | 576   | 207900 | 2773, 2518 (2), 3454,<br>3446 (3), 7918 (16)  | 1047, 1094, 1095   |
| 1778                                | $2^4 : 3 \times 2 \cdot S_3$                 | 576   | 207900 | 2773, 3462, 3544 (3),<br>7919 (16)  | 1054, 1094, 1095   |
| 1779                                | $2^4 : S_3 : S_3$                            | 576   | 103950 | 2767, 2519 (2), 3692<br>(6), 7920 (16)  | 1058 (2), 1060, 1096<br>(2)                                    |

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| Nr.                                 | Structure  | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 1780                                | $2^4 : S_3 : S_3$                                | 576   | 103950 | 2767, 2770 (2), 3693 (6), 4175 (8)   | 1070, 1089 (2), 1096 (2)   |
| 1781                                | $A_5 \times 3 \times 3$                          | 540   | 55440  | 3840 (2), 3837 (2), 5065 (5), 5770 (6), 7188 (10)  | 437, 666 (2), 1097 (2), 1101, 1103, 1104 (2), 1106, 1108 (2), 1111 (2) |
| 1782                                | $A_5 \times 3 \times 3$                          | 540   | 55440  | 3839 (2), 3847 (2), 5066 (5), 5770 (6), 7189 (10)  | 437, 1099 (2), 1100, 1102, 1105 (2), 1107, 1109 (2), 1110 (2)          |
| 1783                                | $D_8 \times 2 : 2 \times 2 \times 2 \cdot 2 : 2$ | 512   | 467775 | 2855, 2940, 2941, 2874, 2838, 2834, 2857, 2824, 2840, 2942, 2943, 2839, 2833, 2837, 2825   | 325 (2), 326, 1113   |
| 1784                                | $2^{1+4} : 2^4$                                  | 512   | 467775 | 2827 (2), 2889, 2867 (2), 2828 (2), 2829, 2944 (2), 2853, 2841, 2832 (2), 2945, 2946 (2), 2842 (2), 2843, 2866 (2), 2863, 2826, 2855, 2890, 2859, 2947, 2948, 2844, 2865 | 329, 742, 1113   |
| 1785                                | $2^{1+4} : (D_8 \times 2)$                       | 512   | 467775 | 2854, 2949, 2856, 2830, 2824, 2910, 2876, 2858, 2826, 2891, 2861, 2845, 2911, 2875, 2835   | 330, 743, 748, 755, 1113   |
| 1786                                | $2^{1+4} : 2^4$                                  | 512   | 155925 | 2829 (3), 2950 (3), 2893 (3), 2831 (3), 2840 (3), 2892 (3), 2951 (3), 2846 (3), 2913, 2858, 2878, 2836, 2873, 2877, 2912   | 332, 744, 756, 1113 (3)  |
| 1787                                | $2^{1+4} : (D_8 \times 2)$                       | 512   | 467775 | 2826, 2952, 2848, 2897, 2860, 2953, 2825, 2894, 2831, 2954, 2847, 2895, 2882, 2955, 2896   | 333, 745, 1113   |

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|-------------------------------------|---|-------|--------|--|---------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 1788                                | $2^{1+4} : (2^2 \times 4)$              | 512   | 467775 | 2829, 2900, 2956,<br>2860, 2883, 2957,<br>2898, 2849, 2838,<br>2899, 2958, 2830,<br>2901, 2959, 2850 | 334, 746, 1113      |
| 1789                                | $2^{1+4} : (D_8 \times 2)$              | 512   | 467775 | 2859, 2960, 2852,<br>2905, 2831, 2961,<br>2839, 2902, 2830,<br>2962, 2851, 2903,<br>2884, 2963, 2904 | 335, 747, 1113      |
| 1790                                | $2^2 \times 4 : 2 : 2 \cdot 2 : 2 : 2$  | 512   | 467775 | 2841, 2917, 2851,<br>2914, 2825, 2915,<br>2849, 2916, 2854,<br>2964, 2872, 2864,<br>2836, 2965, 2906 | 338, 749, 757, 1113 |
| 1791                                | $D_8 \times (D_8 \times 2 \cdot 2 : 2)$ | 512   | 467775 | 2844, 2966, 2848,<br>2967, 2839, 2968,<br>2850, 2969, 2871,<br>2921, 2835, 2918,<br>2836, 2919, 2920 | 340, 758, 1113      |
| 1792                                | $2^4 \cdot 2 : 2 \times 2 : 2 : 2$      | 512   | 467775 | 2843, 2970, 2971,<br>2852, 2838, 2972,<br>2973, 2847, 2873,<br>2924, 2925, 2872,<br>2922, 2923, 2835 | 341, 759, 1113      |
| 1793                                | $2^{1+4} : (2 \times 4) : 2$            | 512   | 467775 | 2843, 2974, 2975,<br>2851, 2840, 2976,<br>2977, 2845, 2883,<br>2978, 2979, 2879,<br>2980, 2981, 2848 | 346, 1113           |
| 1794                                | $D_8 \times (D_8 \times 2) : 2 : 2$     | 512   | 467775 | 2841, 2982, 2852,<br>2983, 2846, 2984,<br>2824, 2985, 2850,<br>2986, 2879, 2987,<br>2882, 2988, 2989 | 347, 1113           |
| 1795                                | $2^{1+4} : D_8 : 2$                     | 512   | 467775 | 2844, 2990, 2847,<br>2991, 2846, 2992,<br>2874, 2993, 2849,<br>2994, 2845, 2995,<br>2884, 2996, 2997 | 348, 1113           |

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|-------------------------------------|-------------------------------|-------|--------|--|----------------------------|
| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups         |
| 1796                                | $D_8 \times (D_8 \times D_8)$ | 512   | 155925 | 2855 (3), 2873 (3),<br>2883 (3), 2931 (6),<br>2930 (6), 2884 (3),<br>2887 (6), 2888 (6),<br>2933 (3), 2932 (3),<br>2998 (3), 2999 (3),<br>2871 (3), 2935 (3),<br>2934 (3), 2882 (3),<br>2862, 2907, 2854 | 750, 764 (3), 1113 (3)     |
| 1797                                | $2^{1+4} : (D_8 \times 2)$    | 512   | 467775 | 2862, 2969, 2977,<br>2906, 2833, 2992,<br>2973, 2984, 2863,<br>2908, 2898, 2856,<br>2893, 2902, 2894   | 751, 752, 1113             |
| 1798                                | $2^{1+4} : (D_8 \times 2)$    | 512   | 467775 | 2865, 2909, 2989,<br>2892, 2834, 2966,<br>2896, 2972, 2907,<br>2905, 2864, 2900,<br>2856, 2991, 2981   | 753, 754, 1113             |
| 1799                                | $2^{1+4} : (D_8 \times 2)$    | 512   | 467775 | 2859, 2929 (2), 2869<br>(2), 3000, 2879,<br>2909, 2860, 2927 (2),<br>2870 (2), 3001, 2874,<br>2908, 2858, 3002 (2),<br>2881 (2), 2926, 2872,<br>2885, 2871, 3003 (2),<br>2880 (2), 2928, 2886            | 760, 761 (2), 763,<br>1113 |
| 1800                                | $2^{1+4} : D_8 : 2$           | 512   | 467775 | 2853, 2958, 2993,<br>2953, 2857, 2975,<br>2961, 2985, 2862,<br>2951, 2967, 2861,<br>3001, 2971, 2864   | 762, 1113                  |
| 1801                                | $2^{1+4} : (D_8 \times 2)$    | 512   | 467775 | 2889, 3004 (2), 2868<br>(2), 2987, 2978, 3005<br>(2), 3006 (2), 2993,<br>2942, 2897, 2900,<br>2902, 2932, 2938 (2),<br>2939 (2), 2917, 2924,<br>2936 (2), 2937 (2),<br>2918, 2878, 2875,<br>2886         | 765, 766, 1113             |

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|-------------------------------------|---|-------|--------|--|-------------------------|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups      |
| 1802                                | $2^{1+4} : (D_8 \times 2)$                | 512   | 467775 | 2865, 2995, 2976, 2985, 2837, 2903, 2899, 2894, 2934, 2921, 2923, 2914, 2878, 2885, 2876                                 | 767, 768, 1113          |
| 1803                                | $2^{1+4} : (D_8 \times 2)$                | 512   | 467775 | 2890, 2982, 2975, 2990, 2941, 2895, 2898, 2905, 2933, 2915, 2925, 2919, 2877, 2875, 2885                                 | 769 (2), 770, 771, 1113 |
| 1804                                | $2^{1+4} : (D_8 \times 2)$                | 512   | 155925 | 2863, 2988 (3), 2980 (3), 2996 (3), 2857 (3), 2896, 2901, 2904, 2935 (3), 2916 (3), 2922 (3), 2920 (3), 2877, 2876, 2886 | 772, 773, 1113 (3)      |
| 1805                                | $2^{1+4} : (D_8 \times 2)$                | 512   | 467775 | 2889, 2964, 2970, 2891, 2892, 2997, 2940, 2904, 2899, 2983, 2974, 2895, 2999, 2967, 2908                                 | 774, 1113               |
| 1806                                | $2^{1+4} : (D_8 \times 2)$                | 512   | 467775 | 2890, 2986, 2971, 2897, 2893, 2968, 2943, 2909, 2901, 2965, 2979, 2891, 2998, 2994, 2903                                 | 775, 1113               |
| 1807                                | $D_8 \times (D_8 \times 2) : 2 : 2$       | 512   | 467775 | 2947, 3000, 2970, 2968, 2950, 2955, 2837, 2988, 2959, 2960, 2978, 2990, 2907, 2861, 2906                                 | 776, 1113               |
| 1808                                | $D_8 \times (2 \times 4 : 2 : 2 : 2)$     | 512   | 467775 | 2945, 2986, 2981, 2992, 2940, 2952, 2959, 2961, 2932, 2915, 2923, 2920, 2913, 2910, 2928                                 | 777, 1113               |
| 1809                                | $2 \times 4 : 2 \times 2 : 2 : 2 : 2 : 2$ | 512   | 467775 | 2948, 2954, 2977, 2960, 2943, 2983, 2958, 2991, 2933, 2910, 2922, 2926, 2912, 2917, 2921                                 | 778, 1113               |

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|-------------------------------------|---|-------|--------|--|---|
| Nr.                                 | Structure                                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                      |
| 1810                                | $D_8 \times (8 : 2 : 2 : 2)$                  | 512   | 467775 | 2853, 2955, 2979, 2963, 2833, 2989, 2956, 2997, 2935, 2911, 2925, 2928, 2912, 2914, 2918 | 779, 1113                               |
| 1811                                | $2 \times 4 : 2 : 2 \times 2 : 2 : 2 : 2 : 2$ | 512   | 467775 | 2947, 2994, 2974, 2984, 2834, 2962, 2957, 2953, 2934, 2919, 2924, 2916, 2913, 2926, 2911 | 780, 1113                               |
| 1812                                | $2^{1+4} : D_8 : 2$                           | 512   | 467775 | 2945, 2982, 2972, 2954, 2950, 2969, 2942, 3001, 2957, 2965, 2976, 2949, 2999, 2996, 2963 | 1113                                    |
| 1813                                | $2^3 \times 4 : 2 : 2 : 2 : 2$                | 512   | 467775 | 2948, 2995, 2973, 2962, 2951, 2964, 2941, 2949, 2956, 2966, 2980, 3000, 2998, 2987, 2952 | 1113                                    |
| 1814                                | $7 : 3 \times 2 \times 2 : S_3$               | 504   | 475200 | 3014, 3871, 3858 (3), 4912 (4), 6006 (7)   | 65, 387, 546, 1114                      |
| 1815                                | $7 : 3 : 2 \times 2 \times S_3$               | 504   | 950400 | 3012, 3008, 3013, 3011, 3007, 3010, 3009, 3864, 3857 (3), 5939 (7)                       | 66, 318                                 |
| 1816                                | $2 \times 14 : 3 : 3 : 2$                     | 504   | 475200 | 3014, 3873 (2), 3859, 3872, 4914 (4), 6007 (7)   | 69, 388, 547, 1114                      |
| 1817                                | $L_2(7) \times 3$                             | 504   | 237600 | 3863, 5912 (7), 6008 (7), 7108 (8)   | 252, 389 (2), 669 (2), 1117, 1118, 1119 |
| 1818                                | $2^3 : 7 : 3 \times 3$                        | 504   | 475200 | 3867 (2), 3866, 3865, 6009 (7), 7108 (8)   | 349, 389, 671, 1120                     |
| 1819                                | $L_2(7) \times 3$                             | 504   | 237600 | 3868, 6010 (14), 7108 (8)  | 389 (2), 670, 1115, 1116, 1121          |
| 1820                                | $7 : 3 \times 2 \times 2 : S_3$               | 504   | 475200 | 3014, 3870, 3869 (3), 4917 (4), 6011 (7)   | 390 (2), 391, 392 (2), 548, 1114        |
| 1821                                | $L_2(8)$                                      | 504   | 52800  | 7170 (9), 9564 (28), 10247 (36)  | 781, 782, 783 (2), 1122 (3)             |
| 1822                                | $3^{1+2} \times 3 : S_3$                      | 486   | 246400 | 3015, 3879, 3877 (6), 3890 (3), 3878 (3)   | 672, 1123, 1124, 1125                   |
| 1823                                | $3^{1+2} \times 3 : S_3$                      | 486   | 246400 | 3015, 3891, 3892 (3), 3881 (3), 3880 (6)   | 674 (2), 675 (2), 676, 1123, 1126, 1127 |

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|-------------------------------------|--------------------------|-------|--------|--|--|
| Nr.                                 | Structure                | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 1824                                | $3^{1+2} : 3 : S_3$      | 486   | 246400 | 3015, 3893, 3882 (3),<br>3890 (3), 3874 (6)  | 677, 1123, 1128, 1129  |
| 1825                                | $3^{1+2} : 3 : S_3$      | 486   | 246400 | 3015, 3894 (6), 3883<br>(3), 3888 (6), 3887<br>(12), 3875 (6), 3895<br>(3), 3896 (3) | 678, 682 (2), 1124,<br>1127, 1129                              |
| 1826                                | $3^{1+2} : 3 \times S_3$ | 486   | 246400 | 3015, 3897 (2), 3898,<br>3899, 3884 (3)  | 679, 1124, 1126, 1128  |
| 1827                                | $3^{1+2} \times 3 : S_3$ | 486   | 246400 | 3015, 3900, 3885,<br>3876 (2), 3901 (3)  | 680, 1125, 1126, 1129  |
| 1828                                | $3^4 : S_3$              | 486   | 246400 | 3015, 3889 (2), 3886,<br>3902, 3903 (3)  | 681, 683 (2), 1125,<br>1127, 1128                              |
| 1829                                | $S_5 \times 2^2$         | 480   | 997920 | 3021, 3019, 3018,<br>3020, 3022, 3017,<br>3023, 5304 (5), 5803<br>(6), 7290 (10)     | 109, 250   |
| 1830                                | $S_5 \times 2^2$         | 480   | 83160  | 3024 (3), 3027 (3),<br>3093, 5178 (5), 5809<br>(6), 7291 (10)                        | 206 (3), 455, 790 (3),<br>851, 1132, 1133 (3),<br>1136 (3)     |
| 1831                                | $S_5 \times 2^2$         | 480   | 83160  | 3025 (2), 3026 (2),<br>3070, 3068, 3024,<br>5179 (5), 5810 (6),<br>7292 (10)         | 207 (2), 456 (3), 791<br>(6), 808, 1132 (3),<br>1141 (3), 1151 |
| 1832                                | $S_5 \times 2^2$         | 480   | 249480 | 3026 (2), 3024, 3124,<br>3125, 3028 (2), 5181<br>(5), 5811 (6), 7293<br>(10)         | 208 (2), 457, 792 (2),<br>807, 1132, 1153, 1164                |
| 1833                                | $S_5 \times 2^2$         | 480   | 83160  | 3090 (3), 3027 (3),<br>3066, 5192 (5), 5812<br>(6), 7294 (10)                        | 210, 458, 793, 811,<br>1133 (3), 1134 (3),<br>1135             |
| 1834                                | $S_5 \times 2^2$         | 480   | 249480 | 3027, 3125, 3127 (2),<br>3068, 3026 (2), 5194<br>(5), 5813 (6), 7295<br>(10)         | 211, 459, 794, 810<br>(2), 1132, 1134, 1138                    |
| 1835                                | $S_5 \times 2^2$         | 480   | 249480 | 3027, 3070, 3127,<br>3124, 3025, 3028,<br>3049, 5195 (5), 5814<br>(6), 7296 (10)     | 212, 460, 551 (2),<br>795, 809 (2), 1132,<br>1135, 1137        |
| 1836                                | $S_5 \times 4$           | 480   | 249480 | 3072, 3027, 3044,<br>5198 (5), 5815 (6),<br>7297 (10)                                | 213, 461, 550 (2),<br>796, 1133, 1137, 1138                    |

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| Nr.                                 | Structure                                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                           |
| 1837                                | $S_5 \times 4$                                | 480   | 249480 | 3027, 3047, 3073, 5200 (5), 5816 (6), 7298 (10)  | 214, 462, 552 (2), 797, 1134, 1136, 1137     |
| 1838                                | $S_5 \times 2^2$                              | 480   | 249480 | 3076, 3027, 3097 (2), 3091, 3028 (2), 5201 (5), 5817 (6), 7299 (10)                                  | 215, 463, 798, 1135, 1136, 1138              |
| 1839                                | $D_{10} \cdot 2 \times 2 \times 2 : S_3$      | 480   | 498960 | 3031, 3050, 3064, 3908 (3), 4940 (4), 5198 (5)   | 256, 444, 472, 550, 799, 1139                |
| 1840                                | $D_{10} \cdot 2 \times 2 \times 2 : S_3$      | 480   | 498960 | 3084, 3079, 3030, 3908 (3), 4939 (4), 5197 (5)   | 256, 466, 471, 1140                          |
| 1841                                | $D_{20} \times 2 \times 2 : S_3$              | 480   | 498960 | 3032, 3030, 3086, 3035, 3135, 3081, 3136, 3916 (3), 4941 (4), 5196 (5)                               | 257, 467, 474, 1140                          |
| 1842                                | $D_{20} \times 2 \times 2 : S_3$              | 480   | 498960 | 3077, 3129, 3034, 3033, 3130, 3083, 3031, 3916 (3), 4942 (4), 5195 (5)                               | 257, 468, 473, 551, 800, 1139                |
| 1843                                | $D_{10} \cdot 2 \times 2 \times 2 : S_3$      | 480   | 498960 | 3031, 3082, 3078, 3917 (3), 4943 (4), 5200 (5)   | 258, 470, 475, 552, 801, 1139                |
| 1844                                | $D_{10} \cdot 2 \times 2 \times 2 : S_3$      | 480   | 498960 | 3080, 3085, 3030, 3917 (3), 4944 (4), 5199 (5)   | 258, 436 (2), 469, 476, 1140                 |
| 1845                                | $D_{10} \cdot 2 \times 2 \times 2 \times S_3$ | 480   | 498960 | 3063, 3043 (2), 3052, 3036, 3040 (2), 3037, 3053, 3041 (2), 3039 (2), 3038, 3062, 3907 (3), 5225 (5) | 324 (2), 447, 1143                           |
| 1846                                | $A_5 \times 2 \cdot 2 : 2$                    | 480   | 249480 | 3024, 3090, 3044, 5257 (5), 5804 (6), 7300 (10)  | 359 (2), 477, 875, 1133, 1141, 1164          |
| 1847                                | $D_8 \times A_5$                              | 480   | 249480 | 3068, 3091, 3044, 5260 (5), 5805 (6), 7301 (10)  | 360 (2), 479, 890, 1138, 1141, 1155          |
| 1848                                | $S_5 \times 4$                                | 480   | 249480 | 3070, 3047, 3044, 5259 (5), 5806 (6), 7302 (10)  | 363 (2), 478, 554 (2), 884, 1137, 1141, 1157 |
| 1849                                | $A_5 \times 2 \cdot 2 : 2$                    | 480   | 249480 | 3057, 3089, 3045, 5261 (5), 5804 (6), 7303 (10)  | 365 (2), 477, 1142, 1145, 1163               |

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| Nr.                                 | Structure                                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                   |
| 1850                                | $D_8 \times A_5$                              | 480   | 249480 | 3067, 3045, 3092, 5262 (5), 5805 (6), 7304 (10)                              | 366 (2), 479, 1142, 1150, 1156       |
| 1851                                | $A_5 \times 2 \cdot 2 : 2$                    | 480   | 249480 | 3069, 3046, 3045, 5263 (5), 5806 (6), 7305 (10)                              | 369 (2), 478, 1142, 1149, 1158       |
| 1852                                | $A_5 \times 2 \times 2 : 2$                   | 480   | 249480 | 3047, 3090, 3068, 5269 (5), 5807 (6), 7306 (10)                              | 372 (2), 480, 876, 1134, 1141, 1162  |
| 1853                                | $A_5 \times 2 \times 2 : 2$                   | 480   | 249480 | 3089, 3046, 3067, 5270 (5), 5807 (6), 7307 (10)                              | 373 (2), 480, 1142, 1146, 1161       |
| 1854                                | $A_5 \times 2 \times 2 : 2$                   | 480   | 249480 | 3047, 3024, 3091, 5271 (5), 5808 (6), 7308 (10)                              | 374 (2), 481, 880, 1136, 1141, 1153  |
| 1855                                | $A_5 \times 2 \times 2 : 2$                   | 480   | 249480 | 3046, 3057, 3092, 5272 (5), 5808 (6), 7309 (10)                              | 375 (2), 481, 1142, 1148, 1154       |
| 1856                                | $D_{10} \cdot 2 \times 2 \times 2 : S_3$      | 480   | 997920 | 3048, 3102, 3099, 3917 (3), 4944 (4), 5295 (5)                               | 436, 482, 801                        |
| 1857                                | $D_{10} \cdot 2 \times 2 \times 2 : S_3$      | 480   | 166320 | 3077, 3050, 3078, 3914 (3), 4954 (4), 5305 (5)                               | 445, 489 (3), 555 (3), 833, 1139 (3) |
| 1858                                | $D_{20} \times 2 \times 2 \cdot S_3$          | 480   | 498960 | 3083, 3082, 3050, 3915 (3), 4955 (4), 5306 (5)                               | 446, 490, 557, 832, 1139             |
| 1859                                | $D_{10} \cdot 2 \times 2 : 2 : S_3$           | 480   | 498960 | 3036, 3087, 3088, 3054, 3051, 3106, 3105, 3908 (3), 5307 (5)                 | 448, 799, 1143                       |
| 1860                                | $D_8 \times (D_{10}) \cdot S_3$               | 480   | 498960 | 3052, 3098, 3103, 3055, 3051, 3108, 3107, 3909 (3), 5308 (5)                 | 449, 834, 1143                       |
| 1861                                | $D_{10} \cdot 2 \times 2 \times 2 \times S_3$ | 480   | 166320 | 3053 (3), 3056 (3), 3109 (3), 3051, 3100, 3110 (3), 3101, 3910 (3), 5309 (5) | 450, 835, 1143 (3)                   |
| 1862                                | $20 : 2 \cdot 2 : S_3$                        | 480   | 498960 | 3036, 3111, 3113, 3055, 3056, 3114, 3112, 3911 (3), 5310 (5)                 | 451, 1143                            |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups                 |
| 1863                                | $D_{20} \cdot 2 \cdot 2 \times S_3$ | 480   | 498960 | 3053, 3054, 3117, 3118, 3115, 3055, 3116, 3912 (3), 5311 (5)            | 452, 1143                          |
| 1864                                | $D_{10} \cdot 2 \times 2 : 2 : S_3$ | 480   | 498960 | 3052, 3119, 3121, 3054, 3056, 3122, 3120, 3913 (3), 5312 (5)            | 453, 1143                          |
| 1865                                | $A_5 : 2 \times 2 \times 2$         | 480   | 83160  | 3060 (3), 3057 (3), 3094, 5313 (5), 5809 (6), 7310 (10)                 | 455, 852, 1144, 1145 (3), 1148 (3) |
| 1866                                | $A_5 : 2 \times 2 \times 2$         | 480   | 249480 | 3059 (2), 3058 (2), 3067, 3057, 3069, 5314 (5), 5810 (6), 7311 (10)     | 456, 820 (4), 1142, 1144, 1152     |
| 1867                                | $A_5 : 2 \times 2 \times 2$         | 480   | 249480 | 3126, 3057, 3061 (2), 3123, 3059 (2), 5315 (5), 5811 (6), 7312 (10)     | 457, 1144, 1154, 1163              |
| 1868                                | $A_5 : 2 \times 2 \times 2$         | 480   | 83160  | 3089 (3), 3060 (3), 3065, 5316 (5), 5812 (6), 7313 (10)                 | 458, 836, 1145 (3), 1146 (3), 1147 |
| 1869                                | $A_5 : 2 \times 2 \times 2$         | 480   | 249480 | 3126, 3060, 3059 (2), 3067, 3128 (2), 5317 (5), 5813 (6), 7314 (10)     | 459, 1144, 1146, 1150              |
| 1870                                | $A_5 : 2 \times 2 \times 2$         | 480   | 249480 | 3058, 3128, 3061, 3123, 3095, 3069, 3060, 5318 (5), 5814 (6), 7315 (10) | 460, 1144, 1147, 1149              |
| 1871                                | $A_5 : 2 \times 2 \cdot 2$          | 480   | 249480 | 3060, 3071, 3045, 5319 (5), 5815 (6), 7316 (10)                         | 461, 1145, 1149, 1150              |
| 1872                                | $A_5 \times 2 \cdot 2 : 2$          | 480   | 249480 | 3046, 3060, 3074, 5320 (5), 5816 (6), 7317 (10)                         | 462, 1146, 1148, 1149              |
| 1873                                | $A_5 : 2 \times 2 \times 2$         | 480   | 249480 | 3060, 3075, 3061 (2), 3092, 3096 (2), 5321 (5), 5817 (6), 7318 (10)     | 463, 1147, 1148, 1150              |

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|-------------------------------------|--|-------|--------|---|--|
| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups                                       | Minimal Overgroups                                       |
| 1874                                | $D_{10} \cdot 2 \times 2 \times 2 : S_3$ | 480   | 498960 | 3077, 3082, 3064, 3909 (3), 4960 (4), 5259 (5)          | 464, 491, 554, 834, 1139                                 |
| 1875                                | $2 \times 10 : 3 : 2 \cdot 2 \times 2$   | 480   | 498960 | 3083, 3078, 3064, 3910, 4961 (4), 5322 (5)              | 465, 492, 553, 835, 1139                                 |
| 1876                                | $A_5 \times 2 \times 2 : 2$              | 480   | 83160  | 3072, 3024, 3066, 5323 (5), 5818 (6), 7319 (10)         | 483 (3), 789, 857, 1133 (3), 1151, 1153 (3)              |
| 1877                                | $A_5 \times 2 \times 2 : 2$              | 480   | 249480 | 3057, 3071, 3065, 5324 (5), 5818 (6), 7320 (10)         | 483, 831, 1145, 1152, 1154                               |
| 1878                                | $D_8 \times A_5$                         | 480   | 83160  | 3068, 3073, 3066, 5325 (5), 5819 (6), 7321 (10)         | 484 (3), 837, 869, 1134 (3), 1151, 1155 (3)              |
| 1879                                | $D_8 \times A_5$                         | 480   | 249480 | 3067, 3074, 3065, 5326 (5), 5819 (6), 7322 (10)         | 484, 838, 1146, 1152, 1156                               |
| 1880                                | $A_5 : 2 \times 2 \times 2$              | 480   | 83160  | 3069 (3), 3075 (3), 3065, 5327 (5), 5820 (6), 7323 (10) | 485, 840, 1147, 1152 (3), 1158 (3)                       |
| 1881                                | $S_5 \times 2^2$                         | 480   | 27720  | 3076 (3), 3070 (3), 3066, 5328 (5), 5820 (6), 7324 (10) | 485 (3), 839, 867, 868 (2), 1135 (3), 1151 (3), 1157 (9) |
| 1882                                | $A_5 \times 2 \cdot 2 : 2$               | 480   | 249480 | 3075, 3057, 3074, 5329 (5), 5821 (6), 7325 (10)         | 486, 1148, 1152, 1163                                    |
| 1883                                | $A_5 \times 2 \cdot 2 : 2$               | 480   | 83160  | 3076, 3024, 3073, 5330 (5), 5821 (6), 7326 (10)         | 486 (3), 883, 1136 (3), 1151, 1164 (3)                   |
| 1884                                | $S_5 \times 4$                           | 480   | 83160  | 3072, 3070, 3073, 5305 (5), 5822 (6), 7327 (10)         | 487 (3), 555 (6), 887, 1137 (3), 1151, 1159 (3)          |
| 1885                                | $A_5 : 2 \times 2 \cdot 2$               | 480   | 249480 | 3071, 3069, 3074, 5331 (5), 5822 (6), 7328 (10)         | 487, 556 (4), 1149, 1152, 1160                           |
| 1886                                | $A_5 \times 2 \times 2 : 2$              | 480   | 83160  | 3076, 3072, 3068, 5332 (5), 5823 (6), 7329 (10)         | 488 (3), 889, 1138 (3), 1151, 1162 (3)                   |
| 1887                                | $A_5 \times 2 \times 2 : 2$              | 480   | 249480 | 3071, 3075, 3067, 5333 (5), 5823 (6), 7330 (10)         | 488, 1150, 1152, 1161                                    |

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|-------------------------------------|--|-------|--------|--|---|
| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups  | Minimal Overgroups                            |
| 1888                                | $D_{10} \cdot 2 \times 2 \times 2 : S_3$ | 480   | 498960 | 3080, 3079, 3081, 3918 (3), 4973 (4), 5331 (5)   | 493, 494, 556 (2), 1140                       |
| 1889                                | $2 \times 10 : 3 : 2 \cdot 2 \times 2$   | 480   | 498960 | 3080, 3084, 3086, 3907, 4949 (4), 5334 (5)   | 495, 496, 1140                                |
| 1890                                | $D_{10} \cdot 2 \times 2 \times 2 : S_3$ | 480   | 498960 | 3084, 3085, 3081, 3911 (3), 4974 (4), 5335 (5)   | 497, 498, 1140                                |
| 1891                                | $D_{20} \times 2 \times 2 \cdot S_3$     | 480   | 498960 | 3086, 3085, 3079, 3919 (3), 4975 (4), 5336 (5)   | 499, 500, 1140                                |
| 1892                                | $D_{10} \cdot 2 \times 2 : 2 \times S_3$ | 480   | 498960 | 3087, 3116, 3100, 3111, 3062, 3119, 3098, 3915 (3), 5337 (5)   | 501, 832, 1143                                |
| 1893                                | $D_8 \times (15 : 2 \cdot 2)$            | 480   | 498960 | 3063, 3087, 3103, 3118, 3101, 3114, 3120, 3914, 5338 (5)   | 502, 833, 1143                                |
| 1894                                | $D_8 \times (D_{10}) \times S_3$         | 480   | 498960 | 3137, 3138, 3037, 3100, 3134, 3088, 3132, 3117, 3139, 3113, 3103, 3133, 3131, 3140, 3121, 3916 (3), 5339 (5) | 503, 800, 1143                                |
| 1895                                | $D_{10} \cdot 2 \times 2 \times 2 : S_3$ | 480   | 498960 | 3112, 3098, 3088, 3122, 3101, 3115, 3038, 3917 (3), 5340 (5)   | 504, 801, 1143                                |
| 1896                                | $D_8 \times A_5$                         | 480   | 249480 | 3094, 3045, 3065, 5341 (5), 5824 (6), 7331 (10)  | 505, 814, 815, 1145, 1156, 1158               |
| 1897                                | $D_8 \times A_5$                         | 480   | 249480 | 3093, 3044, 3066, 5342 (5), 5824 (6), 7332 (10)  | 505, 812, 813, 824 (2), 858, 1133, 1155, 1157 |
| 1898                                | $A_5 : 2 \times 2 \times 2$              | 480   | 249480 | 3096 (2), 3095 (2), 3069, 3092, 3089, 5343 (5), 5825 (6), 7333 (10)  | 506, 821 (4), 1142, 1147, 1160                |
| 1899                                | $S_5 \times 2^2$                         | 480   | 249480 | 3097 (2), 3049 (2), 3090, 3091, 3070, 5344 (5), 5825 (6), 7334 (10)  | 506, 819 (4), 879, 1135, 1141, 1159           |

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|-------------------------------------|----------------------------------|-------|--------|---|---|
| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups                                       | Minimal Overgroups                          |
| 1900                                | $A_5 \times 2 \times 2 : 2$      | 480   | 249480 | 3072, 3090, 3093, 5345 (5), 5826 (6), 7335 (10)         | 507, 841, 874, 1133, 1159, 1162             |
| 1901                                | $A_5 \times 2 \times 2 : 2$      | 480   | 249480 | 3089, 3071, 3094, 5346 (5), 5826 (6), 7336 (10)         | 507, 842, 1145, 1160, 1161                  |
| 1902                                | $A_5 : 2 \times 2 \times 2$      | 480   | 83160  | 3126 (3), 3069 (3), 3094, 5347 (5), 5827 (6), 7337 (10) | 508, 843, 1144, 1158 (3), 1160 (3)          |
| 1903                                | $S_5 \times 2^2$                 | 480   | 83160  | 3070 (3), 3125 (3), 3093, 5348 (5), 5827 (6), 7338 (10) | 508, 817 (3), 844, 1132, 1157 (3), 1159 (3) |
| 1904                                | $D_8 \times A_5$                 | 480   | 249480 | 3093, 3091, 3073, 5349 (5), 5828 (6), 7339 (10)         | 509, 845, 882, 1136, 1155, 1159             |
| 1905                                | $D_8 \times A_5$                 | 480   | 249480 | 3094, 3092, 3074, 5350 (5), 5828 (6), 7340 (10)         | 509, 846, 1148, 1156, 1160                  |
| 1906                                | $A_5 \times 2 \times 2 : 2$      | 480   | 249480 | 3046, 3126, 3065, 5351 (5), 5829 (6), 7341 (10)         | 510, 847, 1146, 1154, 1158                  |
| 1907                                | $A_5 \times 2 \times 2 : 2$      | 480   | 249480 | 3125, 3047, 3066, 5352 (5), 5829 (6), 7342 (10)         | 510, 848, 864, 865 (2), 1134, 1153, 1157    |
| 1908                                | $A_5 \times 2 \times 2 \times 2$ | 480   | 83160  | 3091 (3), 3124 (3), 3066, 5353 (5), 5830 (6), 7343 (10) | 511, 850, 866, 1135, 1153 (3), 1155 (3)     |
| 1909                                | $A_5 \times 2 \times 2 \times 2$ | 480   | 83160  | 3092 (3), 3123 (3), 3065, 5354 (5), 5830 (6), 7344 (10) | 511, 849, 1147, 1154 (3), 1156 (3)          |
| 1910                                | $A_5 \times 2 \times 2 : 2$      | 480   | 249480 | 3075, 3046, 3094, 5355 (5), 5831 (6), 7345 (10)         | 512, 854, 1148, 1158, 1161                  |
| 1911                                | $A_5 \times 2 \times 2 : 2$      | 480   | 249480 | 3047, 3076, 3093, 5356 (5), 5831 (6), 7346 (10)         | 512, 853, 881, 1136, 1157, 1162             |
| 1912                                | $A_5 \times 2 \times 2 \times 2$ | 480   | 83160  | 3123 (3), 3067 (3), 3094, 5357 (5), 5832 (6), 7347 (10) | 513, 856, 1144, 1156 (3), 1161 (3)          |
| 1913                                | $A_5 \times 2 \times 2 \times 2$ | 480   | 83160  | 3124 (3), 3068 (3), 3093, 5358 (5), 5832 (6), 7348 (10) | 513, 816 (3), 855, 1132, 1155 (3), 1162 (3) |

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| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups  | Minimal Overgroups                     |
| 1914                                | $D_{10} \cdot 2 \times 2 \cdot 2 \times S_3$ | 480   | 498960 | 3062, 3122, 3117,<br>3114, 3106, 3108,<br>3109, 3920 (3), 5359<br>(5)        | 514, 1143                              |
| 1915                                | $D_{10} \cdot 2 \times 2 \times 2 : S_3$     | 480   | 498960 | 3063, 3111, 3121,<br>3115, 3110, 3106,<br>3107, 3906 (3), 5360<br>(5)        | 515, 1143                              |
| 1916                                | $D_{10} \cdot 2 \times 2 : 2 \times S_3$     | 480   | 498960 | 3116, 3120, 3037,<br>3112, 3107, 3105,<br>3109, 3919 (3), 5361<br>(5)        | 516, 1143                              |
| 1917                                | $D_{20} \cdot 2 \cdot 2 : S_3$               | 480   | 498960 | 3038, 3119, 3113,<br>3118, 3110, 3108,<br>3105, 3918 (3), 5362<br>(5)        | 517, 1143                              |
| 1918                                | $A_5 \times 2 \cdot 2 : 2$                   | 480   | 249480 | 3090, 3125, 3073,<br>5363 (5), 5833 (6),<br>7349 (10)                        | 518, 877, 1134, 1159,<br>1164          |
| 1919                                | $A_5 \times 2 \cdot 2 : 2$                   | 480   | 249480 | 3089, 3126, 3074,<br>5364 (5), 5833 (6),<br>7350 (10)                        | 518, 1146, 1160, 1163                  |
| 1920                                | $S_5 \times 2^2$                             | 480   | 249480 | 3127 (2), 3097 (2),<br>3124, 3090, 3076,<br>5365 (5), 5834 (6),<br>7351 (10) | 519, 878, 1135, 1162,<br>1164          |
| 1921                                | $A_5 : 2 \times 2 \times 2$                  | 480   | 249480 | 3128 (2), 3096 (2),<br>3123, 3075, 3089,<br>5366 (5), 5834 (6),<br>7290 (10) | 519, 1147, 1161, 1163                  |
| 1922                                | $A_5 \times 2 \cdot 2 \times 2$              | 480   | 249480 | 3124, 3044, 3073,<br>5322 (5), 5835 (6),<br>7352 (10)                        | 520, 553 (2), 886,<br>1137, 1155, 1164 |
| 1923                                | $A_5 \times 2 \cdot 2 \times 2$              | 480   | 249480 | 3123, 3045, 3074,<br>5367 (5), 5835 (6),<br>7353 (10)                        | 520, 1149, 1156, 1163                  |
| 1924                                | $A_5 \times 2 \cdot 2 \times 2$              | 480   | 249480 | 3047, 3072, 3124,<br>5306 (5), 5836 (6),<br>7354 (10)                        | 521, 557 (2), 885,<br>1137, 1153, 1162 |
| 1925                                | $A_5 \times 2 \cdot 2 \times 2$              | 480   | 249480 | 3071, 3046, 3123,<br>5368 (5), 5836 (6),<br>7355 (10)                        | 521, 1149, 1154, 1161                  |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 1926                                | $A_5 \times 2 \cdot 2 : 2$    | 480   | 249480  | 3075, 3126, 3045, 5369 (5), 5837 (6), 7356 (10)                    | 522, 1150, 1158, 1163   |
| 1927                                | $4 : A_5 : 2$                 | 480   | 249480  | 3076, 3125, 3044, 5370 (5), 5837 (6), 7357 (10)                    | 522, 891, 1138, 1157, 1164  |
| 1928                                | $A_5 \times 2 \times 2 : 2$   | 480   | 249480  | 3125, 3072, 3091, 5371 (5), 5838 (6), 7358 (10)                    | 523, 888, 1138, 1153, 1159  |
| 1929                                | $A_5 \times 2 \times 2 : 2$   | 480   | 249480  | 3071, 3126, 3092, 5372 (5), 5838 (6), 7359 (10)                    | 523, 1150, 1154, 1160   |
| 1930                                | $D_8 \times (2^3 : 7)$        | 448   | 356400  | 3141, 3142, 3143, 6287, 7171 (8)                                   | 904, 905  |
| 1931                                | $M_9 : S_3$                   | 432   | 554400  | 3144, 3936 (3), 5067 (4), 7360 (9)                                 | 25, 907, 1166   |
| 1932                                | $M_9 : S_3$                   | 432   | 184800  | 3144, 4019 (3), 5068 (4), 7361 (9)                                 | 26, 909, 1166 (3)   |
| 1933                                | $M_9 : 3 \times 2$            | 432   | 554400  | 3144, 4020, 5069 (4), 7362 (9)                                     | 27, 908, 1166   |
| 1934                                | $M_9 : S_3$                   | 432   | 1108800 | 3249, 3936 (3), 5070 (4), 7250 (9)                                 | 52, 907   |
| 1935                                | $M_9 : S_3$                   | 432   | 1108800 | 3191, 3937 (3), 5070 (4), 7251 (9)                                 | 52, 396   |
| 1936                                | $A_4 : S_3 : S_3$             | 432   | 138600  | 3194, 3145 (2), 3938 (6), 4177 (3), 5071 (4)                       | 157 (2), 631 (2), 695 (4), 1167, 1168, 1169, 1175, 1178, 1200, 1220 |
| 1937                                | $2 \times 6 \times S_3 : S_3$ | 432   | 277200  | 3190, 3155, 3145, 3938, 4073 (3), 3993 (3), 5049 (4)               | 158, 280, 350, 1167, 1170, 1171                                     |
| 1938                                | $A_4 \times S_3 : S_3$        | 432   | 277200  | 3190, 3145, 3259, 4074 (3), 4044 (6), 3996 (3), 3941 (3), 5053 (4) | 159, 356, 1167, 1172, 1173  |
| 1939                                | $A_4 \times S_3 : S_3$        | 432   | 277200  | 3196, 3145, 3197, 4193 (3), 4138 (6), 4000 (3), 3940 (3), 5072 (4) | 160, 632 (2), 698 (2), 722 (2), 1168, 1170, 1173                    |
| 1940                                | $2 \times 6 \times S_3 : S_3$ | 432   | 277200  | 3197, 3199, 3145, 3939, 4001 (3), 4194 (3), 5073 (4)               | 161, 633 (2), 699 (2), 723 (2), 1168, 1171, 1172                    |

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|-------------------------------------|----------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups                                |
| 1941                                | $A_4 : S_3 : S_3$                | 432   | 277200 | 3260, 3261, 3145, 3942 (3), 4003 (3), 4247 (3), 5074 (4)           | 162, 1169, 1170, 1172                             |
| 1942                                | $A_4 \times 3 \times 2 : S_3$    | 432   | 277200 | 3262, 3145, 3261, 3940, 4248 (3), 4139 (6), 4005 (3), 5075 (4)     | 163, 1169, 1171, 1173                             |
| 1943                                | $3 : S_3 \cdot 2 : 2 \times S_3$ | 432   | 554400 | 3150, 3148, 3206, 3146, 3151, 3149, 3147, 3954 (3), 7363 (9)       | 269 (2), 700, 913 (2), 934, 935, 1201             |
| 1944                                | $A_4 \times S_3 \times S_3$      | 432   | 138600 | 3152 (2), 3194, 3956, 4052 (6), 5043 (4)                           | 270 (2), 1175, 1176, 1177, 1191, 1204, 1244, 1255 |
| 1945                                | $A_4 \times S_3 : S_3$           | 432   | 277200 | 3153, 3196, 3152, 4198 (3), 3965 (6), 4200 (3), 3966 (3), 5044 (4) | 272 (2), 1176, 1197, 1256                         |
| 1946                                | $2 \times 6 : S_3 \cdot S_3$     | 432   | 138600 | 3194, 3967 (3), 5045 (4), 7364 (9)                                 | 274 (2), 1175, 1179, 1180, 1184, 1235, 1240, 1241 |
| 1947                                | $2 \times 6 : S_3 \times S_3$    | 432   | 277200 | 3153, 3199, 3152, 4183, 3968 (3), 4184 (3), 5046 (4)               | 275 (2), 1176, 1198, 1254                         |
| 1948                                | $A_4 : S_3 : S_3$                | 432   | 138600 | 3153 (2), 3194, 3969 (3), 4063 (6), 5047 (4)                       | 277 (2), 1176, 1178, 1180, 1195, 1211, 1249, 1257 |
| 1949                                | $A_4 \times 3 : S_3 \cdot 2$     | 432   | 138600 | 3194, 3970, 5048 (4), 7365 (9)                                     | 278 (2), 1177, 1178, 1179, 1193, 1212, 1245, 1250 |
| 1950                                | $2 \times 6 : S_3 \times S_3$    | 432   | 277200 | 3154, 3263, 3192, 3992, 4073 (3), 3994 (3), 5051 (4)               | 280, 1181, 1182, 1183                             |
| 1951                                | $2 \times 6 : S_3 : S_3$         | 432   | 138600 | 3155, 3194, 3259, 3996 (6), 3998 (6), 4249 (3), 5053 (4)           | 281, 1167, 1184, 1186, 1189, 1191, 1193, 1195     |
| 1952                                | $2 \times 6 : S_3 : S_3$         | 432   | 138600 | 3264, 3193, 3154, 3995 (6), 3997 (6), 4249 (3), 5052 (4)           | 281, 1181, 1185, 1187, 1188, 1190, 1192, 1194     |
| 1953                                | $2 \times 6 : S_3 : S_3$         | 432   | 138600 | 3195, 3154, 3265, 4004 (6), 4015 (6), 4250 (3), 5054 (4)           | 282, 1182 (2), 1188, 1196 (2)                     |

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|-------------------------------------|----------------------------------|-------|--------|--|--------------------------------------|
| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups                   |
| 1954                                | $2 \times 6 : S_3 : S_3$         | 432   | 138600 | 3260, 3155, 3196, 4016 (6), 4003 (6), 4250 (3), 5055 (4)           | 282, 1170 (2), 1189, 1197 (2)        |
| 1955                                | $2 \times 6 \times S_3 : S_3$    | 432   | 277200 | 3197, 3155, 3261, 4000, 4251 (3), 4005 (3), 5056 (4)               | 283, 1170, 1171, 1186                |
| 1956                                | $2 \times 6 \times S_3 : S_3$    | 432   | 277200 | 3198, 3154, 3266, 3999, 4006 (3), 4251 (3), 5057 (4)               | 283, 1182, 1183, 1187                |
| 1957                                | $2 \times 6^2 : S_3$             | 432   | 138600 | 3262, 3155, 3199, 4009 (2), 4001 (2), 4252 (3), 5058 (4)           | 284, 1171 (2), 1189, 1198 (2)        |
| 1958                                | $2 \times 6^2 : S_3$             | 432   | 138600 | 3154, 3200, 3267, 4010 (2), 4002 (2), 4252 (3), 5059 (4)           | 284, 1183 (2), 1188, 1199 (2)        |
| 1959                                | $2 \times 6 \times S_3 : S_3$    | 432   | 277200 | 3268, 3154, 3202, 4008, 4014 (3), 4253 (3), 5061 (4)               | 285, 1190, 1196, 1199                |
| 1960                                | $2 \times 6 : S_3 \times S_3$    | 432   | 277200 | 3201, 3155, 3152, 4007, 4013 (3), 4253 (3), 5060 (4)               | 285, 1191, 1197, 1198                |
| 1961                                | $2 \times 6 : S_3 \times S_3$    | 432   | 277200 | 3154, 3203, 3269, 4011, 4254 (3), 4018 (3), 5062 (4)               | 286, 1194, 1196, 1199                |
| 1962                                | $2 \times 6 : S_3 \times S_3$    | 432   | 277200 | 3155, 3204, 3153, 4012, 4254 (3), 4017 (3), 5063 (4)               | 286, 1195, 1197, 1198                |
| 1963                                | $S_3 \times S_3 : 2 \times S_3$  | 432   | 554400 | 3160, 3161, 3157, 3146, 3175, 3156, 3220, 4030 (3), 7300 (9)       | 351, 359, 702, 910, 914, 1201        |
| 1964                                | $S_3 \times S_3 : 2 \times S_3$  | 432   | 184800 | 3209, 3163, 3206, 3156, 3213, 3211, 3164, 4031 (3), 7366 (9)       | 352, 714 (3), 911, 916, 1201 (3)     |
| 1965                                | $3 : S_3 \cdot 2 \times 2 : S_3$ | 432   | 554400 | 3207, 3230, 3156, 3166, 3242, 3165, 3149, 4032 (3), 7367 (9)       | 353, 715, 912, 915, 1201             |
| 1966                                | $D_{12} \times S_3 \times S_3$   | 432   | 184800 | 3173 (3), 3171 (3), 3157, 3159 (3), 3206, 3158 (3), 3207, 4022 (9) | 354 (3), 696 (3), 926, 927, 1201 (3) |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups                                     |
| 1967                                | $A_4 \times S_3 \times S_3$            | 432   | 138600 | 3194, 3190 (2), 4024, 4039 (6), 5049 (4)   | 355 (2), 1167, 1202, 1203, 1204, 1235, 1249, 1250      |
| 1968                                | $S_3 \times S_3 : 2 \times S_3$        | 432   | 554400 | 3158, 3229, 3160, 3163, 3147, 3165, 3234, 4032 (3), 7368 (9)   | 357, 716, 915, 1201                                    |
| 1969                                | $S_3 \times 3 \times S_3 : 2 \times 2$ | 432   | 554400 | 3164, 3166, 3159, 3235, 3240, 3160, 3148, 4031, 7369 (9)   | 358, 717, 916, 1201                                    |
| 1970                                | $3 : S_3 \cdot 2 : 2 \times S_3$       | 432   | 554400 | 3151, 3161, 3164, 3178, 3165, 3226, 3171, 4047 (3), 7301 (9)   | 360, 361, 706, 919, 1201                               |
| 1971                                | $3 : S_3 \cdot 2 \times 2 \times S_3$  | 432   | 554400 | 3150, 3161, 3163, 3177, 3166, 3225, 3173, 4046 (3), 7302 (9)   | 362, 363, 705, 918, 1201                               |
| 1972                                | $S_3 \times S_3 : 2 \times S_3$        | 432   | 554400 | 3174, 3221, 3167, 3222, 3187, 3184, 3162, 4075 (3), 7303 (9)   | 364, 365, 703, 920, 1205                               |
| 1973                                | $S_3 \times S_3 : 2 \times S_3$        | 432   | 554400 | 3170, 3227, 3185, 3162, 3179, 3188, 3228, 4047 (3), 7304 (9)   | 366, 367, 707, 919, 1205                               |
| 1974                                | $3 : S_3 \cdot 2 \times 2 \times S_3$  | 432   | 554400 | 3176, 3223, 3172, 3224, 3186, 3189, 3162, 4076 (3), 7305 (9)   | 368, 369, 704, 922, 1205                               |
| 1975                                | $A_4 \times 3 : S_3 \cdot 2$           | 432   | 138600 | 3194, 4045, 5050 (4), 7370 (9)   | 370, 636 (2), 1184, 1200, 1204, 1206, 1207, 1211, 1212 |
| 1976                                | $D_{12} \times S_3 \times S_3$         | 432   | 554400 | 3218 (2), 3168 (2), 3216, 3167, 3170, 3169 (2), 3217, 3208, 3219 (2), 3215, 3172, 4040 (6), 4255 (3) | 371, 701, 938, 1205                                    |
| 1977                                | $3 : S_3 \cdot 2 : 2 \times S_3$       | 432   | 554400 | 3209, 3177, 3148, 3175, 3230, 3229, 3171, 4256 (3), 7306 (9)   | 372, 708, 939, 1201                                    |

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| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 1978                                | $3 : S_3 \cdot 2 : 2 \times S_3$ | 432   | 554400 | 3210, 3232, 3170,<br>3174, 3233, 3176,<br>3231, 3976 (3), 7307<br>(9)  | 373, 709, 944, 1205  |
| 1979                                | $S_3 \times S_3 : 2 \times S_3$  | 432   | 554400 | 3157, 3178, 3235,<br>3149, 3211, 3177,<br>3234, 4257 (3), 7308<br>(9)  | 374, 710, 930, 931,<br>1201                                  |
| 1980                                | $3 : S_3 \cdot 2 : 2 \times S_3$ | 432   | 554400 | 3212, 3167, 3179,<br>3238, 3176, 3236,<br>3237, 4258 (3), 7309<br>(9)  | 375, 711, 948, 1205  |
| 1981                                | $D_{12} \times S_3 \times S_3$   | 432   | 554400 | 3239 (2), 3173, 3241<br>(2), 3147, 3242,<br>3240, 3213, 3182 (2),<br>3181 (2), 3175, 3178,<br>4040 (6), 4259 (3) | 376, 712, 938, 1201  |
| 1982                                | $D_{12} \times S_3 \times S_3$   | 432   | 554400 | 3183 (2), 3245, 3244<br>(2), 3172, 3243 (2),<br>3214, 3179, 3247,<br>3180 (2), 3174, 3246,<br>4260 (3), 4041 (6) | 377, 713, 949, 1205  |
| 1983                                | $A_4 \times 3 : S_3 \cdot 2$     | 432   | 138600 | 3193, 4077, 5064 (4),<br>7371 (9)  | 378, 638 (2), 1185,<br>1208, 1209, 1210,<br>1213, 1214, 1215 |
| 1984                                | $S_3 \times S_3 : 2 \times S_3$  | 432   | 184800 | 3208, 3214, 3185,<br>3184, 3212, 3186,<br>3210, 4078 (3), 7372<br>(9)  | 379, 718 (3), 924,<br>1205 (3)                               |
| 1985                                | $3^2 : S_3 \cdot 2 : 2 \times 2$ | 432   | 554400 | 3245, 3187, 3217,<br>3185, 3237, 3231,<br>3189, 4078, 7373 (9)   | 380, 719, 924, 1205  |
| 1986                                | $S_3 \times S_3 : 2 \times S_3$  | 432   | 554400 | 3246, 3232, 3215,<br>3238, 3188, 3187,<br>3186, 4079 (3), 7374<br>(9)  | 381, 720, 923, 1205  |
| 1987                                | $3 : S_3 \cdot 2 \times 2 : S_3$ | 432   | 554400 | 3188, 3184, 3216,<br>3247, 3236, 3189,<br>3233, 4079 (3), 7375<br>(9)  | 382, 721, 923, 1205  |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 1988                                | $A_4 \times S_3 : S_3$             | 432   | 277200 | 3261, 3190, 3196, 4081 (6), 4080 (3), 4171 (3), 4064 (3), 5055 (4) | 383, 1170, 1173, 1202                                      |
| 1989                                | $A_4 \times S_3 \times S_3$        | 432   | 277200 | 3197, 3260, 3190, 4082, 4066 (3), 4163 (3), 5056 (4)               | 384, 1170, 1172, 1203                                      |
| 1990                                | $A_4 \times 3 \times 2 \times S_3$ | 432   | 277200 | 3190, 3197, 3262, 4055, 4084 (2), 4083, 4170 (3), 5058 (4)         | 385, 1171, 1173, 1203                                      |
| 1991                                | $2 \times 6 \times S_3 : S_3$      | 432   | 277200 | 3190, 3199, 3261, 4053, 4165 (3), 4085 (3), 5056 (4)               | 386, 1171, 1172, 1202                                      |
| 1992                                | $A_4 : S_3 : S_3$                  | 432   | 138600 | 3192 (2), 3193, 4057 (6), 4261 (3), 5076 (4)                       | 643 (2), 1181, 1208, 1217, 1221, 1231, 1237, 1251          |
| 1993                                | $A_4 : S_3 \times S_3$             | 432   | 277200 | 3195, 3192, 3198, 4262 (3), 3946 (6), 4144 (3), 4147 (3), 5077 (4) | 644 (2), 1182, 1217, 1234                                  |
| 1994                                | $2 \times 6 : S_3 \times S_3$      | 432   | 277200 | 3192, 3198, 3200, 4143, 4263 (3), 4148 (3), 5078 (4)               | 645 (2), 1183, 1217, 1233                                  |
| 1995                                | $A_4 \times S_3 \times S_3$        | 432   | 138600 | 3193, 3198 (2), 4264, 4060 (6), 5079 (4)                           | 646 (2), 1187, 1209, 1217, 1219, 1232, 1243, 1246          |
| 1996                                | $A_4 \times S_3 \times S_3$        | 432   | 138600 | 3194, 3197 (2), 4179, 4055 (6), 5073 (4)                           | 647 (2), 699 (4), 1168, 1177, 1180, 1186, 1203, 1207, 1218 |
| 1997                                | $2 \times 6 : S_3 : S_3$           | 432   | 138600 | 3195, 3200, 3193, 4062 (6), 4061 (6), 4265 (3), 5080 (4)           | 648 (2), 1188, 1210, 1217, 1223, 1230, 1238, 1261          |
| 1998                                | $2 \times 6 : S_3 : S_3$           | 432   | 138600 | 3196, 3199, 3194, 4053 (6), 4054 (6), 4178 (3), 5072 (4)           | 649 (2), 698 (4), 1168, 1176, 1179, 1189, 1202, 1206, 1222 |
| 1999                                | $A_4 : S_3 : S_3$                  | 432   | 138600 | 3202 (2), 3193, 4058 (6), 4266 (3), 5081 (4)                       | 650 (2), 1190, 1208, 1219, 1223, 1236, 1248, 1262          |
| 2000                                | $A_4 : S_3 : S_3$                  | 432   | 138600 | 3201 (2), 3194, 4051 (6), 4267 (3), 5082 (4)                       | 651 (2), 1191, 1200, 1218, 1222, 1235, 1245, 1257          |

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| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 2001                                | $2 \times 6 : S_3 \cdot S_3$     | 432   | 138600 | 3193, 4268 (3), 5083 (4), 7376 (9)                                 | 652 (2), 1192, 1210, 1219, 1221, 1239, 1247, 1253                      |
| 2002                                | $2 \times 6 : S_3 \cdot S_3$     | 432   | 138600 | 3194, 4269 (3), 5084 (4), 7377 (9)                                 | 653 (2), 1193, 1206, 1218, 1220, 1240, 1244, 1249                      |
| 2003                                | $A_4 \times S_3 \times S_3$      | 432   | 138600 | 3204 (2), 3194, 4270, 4056 (6), 5085 (4)                           | 654 (2), 1195, 1207, 1220, 1222, 1241, 1250, 1255                      |
| 2004                                | $A_4 \times S_3 \times S_3$      | 432   | 138600 | 3203 (2), 3193, 4271, 4059 (6), 5086 (4)                           | 655 (2), 1194, 1209, 1221, 1223, 1242, 1252, 1260                      |
| 2005                                | $A_4 \times S_3 : S_3$           | 432   | 277200 | 3202, 3203, 3195, 4272 (3), 4273 (6), 4159 (3), 4161 (3), 5087 (4) | 656 (2), 1196, 1223, 1259  |
| 2006                                | $A_4 \times S_3 : S_3$           | 432   | 277200 | 3201, 3196, 3204, 4274 (3), 4275 (6), 4158 (3), 4160 (3), 5088 (4) | 657 (2), 1197, 1222, 1256  |
| 2007                                | $2 \times 6 \times S_3 : S_3$    | 432   | 277200 | 3204, 3199, 3201, 4156, 4137 (3), 4276 (3), 5089 (4)               | 658 (2), 1198, 1222, 1254  |
| 2008                                | $2 \times 6 : S_3 \times S_3$    | 432   | 277200 | 3200, 3203, 3202, 4155, 4277 (3), 4157 (3), 5090 (4)               | 659 (2), 1199, 1223, 1258  |
| 2009                                | $2^4 : 3 : 3 \times 3$           | 432   | 69300  | 4167 (4), 4214 (2), 4150, 4211 (4), 4166 (2), 5065 (8)             | 666 (2), 731, 1174 (2), 1216, 1224, 1225, 1226 (2), 1227 (2), 1228 (2) |
| 2010                                | $D_{12} \times S_3 : S_3$        | 432   | 554400 | 3217, 3221, 3228, 3247, 3224, 3238, 3210, 4278 (3), 7378 (9)       | 732, 950, 1205   |
| 2011                                | $D_{12} \times S_3 : S_3$        | 432   | 554400 | 3245, 3222, 3227, 3216, 3224, 3232, 3212, 4279 (3), 7379 (9)       | 733, 951, 1205   |
| 2012                                | $3 : S_3 \cdot 2 : 2 \times S_3$ | 432   | 554400 | 3231, 3222, 3228, 3236, 3223, 3246, 3208, 4278 (3), 7380 (9)       | 734, 950, 1205   |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups   | Minimal Overgroups                             |
| 2013                                | $S_3 \times S_3 : 2 \times S_3$  | 432   | 554400  | 3237, 3223, 3227,<br>3215, 3221, 3233,<br>3214, 4279 (3), 7381<br>(9)                   | 735, 951, 1205                                 |
| 2014                                | $D_{12} \times S_3 : S_3$        | 432   | 554400  | 3151, 3242, 3159,<br>3220, 3225, 3234,<br>3209, 3954 (3), 7382<br>(9)                   | 736, 934, 1201                                 |
| 2015                                | $3 : S_3 \cdot 2 : 2 \times S_3$ | 432   | 554400  | 3158, 3230, 3235,<br>3213, 3150, 3226,<br>3220, 4280 (3), 7383<br>(9)                   | 737, 933, 1201                                 |
| 2016                                | $D_{12} \times S_3 : S_3$        | 432   | 554400  | 3207, 3229, 3240,<br>3211, 3146, 3226,<br>3225, 4280 (3), 7384<br>(9)                   | 738, 932, 933, 1201                            |
| 2017                                | $M_9 : S_3$                      | 432   | 554400  | 3248, 3270, 3271,<br>3936 (3), 7385 (9)   | 907, 1229                                      |
| 2018                                | $M_9 \times S_3$                 | 432   | 184800  | 3272 (3), 3273 (3),<br>3248, 4020 (3), 7386<br>(9)                                      | 908, 1229 (3)                                  |
| 2019                                | $3^2 : S_3 \cdot 2 \cdot 2 : 2$  | 432   | 554400  | 3248, 3274, 3275,<br>4019, 7387 (9)   | 909, 1229                                      |
| 2020                                | $S_3 \times S_3 : 2 \times S_3$  | 432   | 1108800 | 3255, 3258, 3257,<br>3253, 3252, 3254,<br>3256, 3971 (3), 7388<br>(9)                   | 928, 929                                       |
| 2021                                | $A_4 \times 3 \times 2 : S_3$    | 432   | 138600  | 3262, 3260, 3194,<br>4281, 4066 (6), 4065<br>(6), 5075 (4)                              | 1169, 1189, 1203,<br>1212, 1240, 1255,<br>1257 |
| 2022                                | $A_4 : S_3 : S_3$                | 432   | 138600  | 3261 (2), 3194, 4064<br>(6), 4282 (3), 5074<br>(4)                                      | 1169, 1186, 1202,<br>1211, 1241, 1244,<br>1245 |
| 2023                                | $A_4 \times S_3 : S_3$           | 432   | 277200  | 3259, 3197, 3261,<br>4173 (3), 4283 (6),<br>4284 (3), 4169 (3),<br>5091 (4)             | 1172, 1173, 1186                               |
| 2024                                | $2 \times 6 : S_3 : S_3$         | 432   | 138600  | 3260, 3199, 3259,<br>4229 (6), 4172 (6),<br>4285 (3), 5091 (4)                          | 1172 (2), 1189, 1254<br>(2)                    |
| 2025                                | $A_4 \times 3 \times 2 : S_3$    | 432   | 138600  | 3196, 3262, 3259,<br>4286 (12), 4287 (12),<br>4227 (6), 4288 (3),<br>4169 (6), 5092 (4) | 1173 (2), 1189, 1256<br>(2)                    |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 2026                                | $A_4 \times S_3 \times S_3$        | 432   | 138600 | 3193, 3263 (2), 4021, 4067 (6), 5093 (4)                           | 1181, 1213, 1230, 1232, 1236, 1252, 1253 |
| 2027                                | $A_4 \times S_3 : S_3$             | 432   | 277200 | 3192, 3263, 3264, 4091 (3), 3945 (6), 4215 (3), 4204 (3), 5094 (4) | 1181, 1233, 1234                         |
| 2028                                | $2 \times 6 \times S_3 : S_3$      | 432   | 277200 | 3266, 3263, 3195, 4096 (3), 3950 (6), 4209 (3), 4220 (3), 5095 (4) | 1182, 1230, 1234                         |
| 2029                                | $A_4 : S_3 : S_3$                  | 432   | 277200 | 3266, 3265, 3192, 4289 (3), 4222 (3), 4217 (3), 5096 (4)           | 1182, 1231, 1233                         |
| 2030                                | $A_4 \times S_3 \times S_3$        | 432   | 277200 | 3198, 3265, 3263, 4035, 4210 (3), 4218 (3), 5097 (4)               | 1182, 1232, 1233                         |
| 2031                                | $2 \times 6 : S_3 \times S_3$      | 432   | 277200 | 3200, 3263, 3266, 4189, 4208 (3), 4099 (3), 5098 (4)               | 1183, 1230, 1233                         |
| 2032                                | $A_4 \times 3 \times 2 \times S_3$ | 432   | 277200 | 3267, 3263, 3198, 4187, 3948 (2), 4036, 4205 (3), 5099 (4)         | 1183, 1232, 1234                         |
| 2033                                | $A_4 \times 3 \times 2 : S_3$      | 432   | 277200 | 3266, 3267, 3192, 4192, 4223 (3), 3947 (6), 4290 (3), 5100 (4)     | 1183, 1231, 1234                         |
| 2034                                | $2 \times 6 : S_3 \cdot S_3$       | 432   | 138600 | 3193, 4291 (3), 5101 (4), 7389 (9)                                 | 1185, 1236, 1237, 1238, 1239, 1242, 1243 |
| 2035                                | $A_4 : S_3 : S_3$                  | 432   | 138600 | 3266 (2), 3193, 4069 (6), 4292 (3), 5102 (4)                       | 1187, 1214, 1230, 1231, 1242, 1247, 1248 |
| 2036                                | $A_4 : S_3 \times S_3$             | 432   | 277200 | 3264, 3266, 3198, 4293 (3), 3951 (6), 4228 (3), 4226 (3), 5103 (4) | 1187, 1233, 1234                         |
| 2037                                | $2 \times 6 : S_3 : S_3$           | 432   | 138600 | 3265, 3200, 3264, 4231 (6), 4235 (6), 4294 (3), 5104 (4)           | 1188, 1233 (2), 1258 (2)                 |
| 2038                                | $A_4 \times 3 \times 2 : S_3$      | 432   | 138600 | 3265, 3193, 3267, 4295, 4071 (6), 4072 (6), 5105 (4)               | 1188, 1215, 1231, 1232, 1239, 1260, 1262 |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 2039                                | $A_4 \times 3 \times 2 : S_3$ | 432   | 138600 | 3267, 3264, 3195, 4233 (6), 4296 (12), 4297 (3), 3952 (12), 4237 (6), 5106 (4) | 1188, 1234 (2), 1259 (2)                 |
| 2040                                | $A_4 \times S_3 : S_3$        | 432   | 277200 | 3202, 3264, 3268, 4224 (3), 4298 (6), 4299 (3), 4225 (3), 5107 (4)             | 1190, 1258, 1259                         |
| 2041                                | $A_4 \times S_3 \times S_3$   | 432   | 138600 | 3268 (2), 3193, 4300, 4068 (6), 5108 (4)                                       | 1190, 1213, 1237, 1246, 1247, 1260, 1261 |
| 2042                                | $A_4 \times S_3 : S_3$        | 432   | 277200 | 3152, 3259, 3201, 4301 (3), 4302 (6), 4203 (3), 3943 (3), 5109 (4)             | 1191, 1254, 1256                         |
| 2043                                | $A_4 \times 3 : S_3 \cdot 2$  | 432   | 138600 | 3193, 4303, 5110 (4), 7390 (9)   | 1192, 1215, 1238, 1246, 1248, 1251, 1252 |
| 2044                                | $A_4 \times S_3 : S_3$        | 432   | 277200 | 3269, 3203, 3264, 4304 (3), 4305 (6), 4230 (3), 4232 (3), 5111 (4)             | 1194, 1258, 1259                         |
| 2045                                | $A_4 : S_3 : S_3$             | 432   | 138600 | 3269 (2), 3193, 4070 (6), 4306 (3), 5112 (4)                                   | 1194, 1214, 1243, 1251, 1253, 1261, 1262 |
| 2046                                | $2 \times 6 \times S_3 : S_3$ | 432   | 277200 | 3259, 3204, 3153, 4234 (3), 4307 (6), 4236 (3), 4308 (3), 5113 (4)             | 1195, 1254, 1256                         |
| 2047                                | $A_4 \times S_3 : S_3$        | 432   | 277200 | 3195, 3268, 3269, 4309 (6), 4245 (3), 4243 (3), 4310 (3), 5114 (4)             | 1196, 1259, 1261                         |
| 2048                                | $A_4 \times S_3 \times S_3$   | 432   | 277200 | 3265, 3268, 3203, 4311, 4241 (3), 4238 (3), 5115 (4)                           | 1196, 1258, 1260                         |
| 2049                                | $A_4 : S_3 : S_3$             | 432   | 277200 | 3202, 3269, 3265, 4312 (3), 4244 (3), 4246 (3), 5116 (4)                       | 1196, 1258, 1262                         |
| 2050                                | $A_4 : S_3 : S_3$             | 432   | 277200 | 3153, 3260, 3201, 4221 (3), 4313 (3), 4216 (3), 5117 (4)                       | 1197, 1254, 1257                         |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups             |
| 2051                                | $A_4 \times S_3 \times S_3$          | 432   | 277200 | 3260, 3152, 3204, 4314, 4207 (3), 3944 (3), 5118 (4)           | 1197, 1254, 1255               |
| 2052                                | $2 \times 6^2 : S_3$                 | 432   | 277200 | 3153, 3201, 3262, 4185, 4315 (3), 4316 (6), 4219 (3), 5119 (4) | 1198, 1256, 1257               |
| 2053                                | $A_4 \times 3 \times 2 \times S_3$   | 432   | 277200 | 3262, 3152, 3204, 4317, 4318 (2), 4186, 4206 (3), 5120 (4)     | 1198, 1255, 1256               |
| 2054                                | $A_4 \times 3 \times 2 \times S_3$   | 432   | 277200 | 3268, 3267, 3203, 4319, 4320 (2), 4188, 4240 (3), 5121 (4)     | 1199, 1259, 1260               |
| 2055                                | $2 \times 6 : S_3 \times S_3$        | 432   | 277200 | 3200, 3268, 3269, 4190, 4321 (3), 4239 (3), 5122 (4)           | 1199, 1258, 1261               |
| 2056                                | $A_4 \times 3 \times 2 : S_3$        | 432   | 277200 | 3269, 3267, 3202, 4191, 4322 (3), 4323 (6), 4242 (3), 5123 (4) | 1199, 1259, 1262               |
| 2057                                | $3 : S_3 \cdot 2 : 2 \times S_3$     | 432   | 554400 | 3250 (2), 3270, 3274, 3272, 3276 (2), 4087 (3), 7391 (9)       | 1229                           |
| 2058                                | $3 : S_3 \cdot 2 \cdot 2 \times S_3$ | 432   | 554400 | 3272, 3275, 3271, 4086 (3), 7392 (9)                           | 1229                           |
| 2059                                | $3 : S_3 \cdot 2 \cdot 2 : S_3$      | 432   | 554400 | 3270, 3275, 3273, 4088 (3), 7393 (9)                           | 1229                           |
| 2060                                | $3 : S_3 \cdot 2 : 2 \cdot S_3$      | 432   | 554400 | 3273, 3274, 3271, 4089 (3), 7394 (9)                           | 1229                           |
| 2061                                | $35 : 3 : 2 \cdot 2$                 | 420   | 570240 | 3279, 4429, 5781 (5), 7124 (7)                                 | 72, 546, 1263                  |
| 2062                                | $35 : 3 : 2 : 2$                     | 420   | 570240 | 3279, 3277, 3278, 4430, 5780 (5), 7125 (7)                     | 73, 547, 1263                  |
| 2063                                | $35 : 3 : 2 \cdot 2$                 | 420   | 570240 | 3279, 4431, 5789 (5), 7126 (7)                                 | 436 (2), 548, 1263             |
| 2064                                | $A_5 \times 7$                       | 420   | 95040  | 5791 (5), 6235 (6), 7127, 7822 (10)                            | 957, 1265, 1266, 1267          |
| 2065                                | $5^2 : 2 \cdot 2 \cdot 2 : 2$        | 400   | 299376 | 3291 (2), 3285, 9646 (25)                                      | 164, 1268, 1269, 1270          |
| 2066                                | $5^2 : 2 : 2 : 2 : 2$                | 400   | 299376 | 3280 (2), 3292 (2), 3285, 3293, 3294, 9647 (25)                | 165, 166 (2), 1268, 1271, 1272 |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups                 |
| 2067                                | $5^2 : 2 \cdot 2 \cdot 2 : 2$      | 400   | 299376 | 3295 (2), 3285, 9648 (25)                                    | 167 (2), 168, 1270, 1271, 1273     |
| 2068                                | $5^2 : 2 : 2 : 2 : 2$              | 400   | 299376 | 3281 (2), 3296 (2), 3285, 3297, 3298, 9649 (25)              | 176, 1269, 1272, 1273              |
| 2069                                | $5^2 : 2 : 2 \times 2 : 2$         | 400   | 598752 | 3280, 3287, 3299, 3281, 3300, 3301, 3302, 9650 (25)          | 178, 1272                          |
| 2070                                | $5^2 : 2 : 2 : 2 : 2$              | 400   | 598752 | 3281, 3280, 3303, 3288, 3304, 3305, 3306, 9651 (25)          | 179, 1272                          |
| 2071                                | $5^2 : 2 : 2 \cdot 2 \cdot 2$      | 400   | 299376 | 3282 (2), 3285, 5815 (10)                                    | 550 (2), 1268, 1273, 1274          |
| 2072                                | $5^2 : 2 \cdot 2 \times 2 : 2$     | 400   | 598752 | 3287, 3283, 3284, 3286, 3282, 3290, 3289, 5835 (5), 5814 (5) | 551, 553, 1274                     |
| 2073                                | $5^2 : 2 : 2 \cdot 2 \cdot 2$      | 400   | 598752 | 3286, 3282, 3288, 5816 (5), 5806 (5)                         | 552, 554, 1274                     |
| 2074                                | $5^2 : 2 : 2 \cdot 2 \cdot 2$      | 400   | 299376 | 3286 (2), 3285, 5822 (10)                                    | 555 (2), 556 (4), 1269, 1271, 1274 |
| 2075                                | $5^2 : 2 \cdot 2 : 2 \times 2$     | 400   | 299376 | 3288, 3307, 3285, 3308, 3309, 3310, 3287, 5836 (10)          | 557 (2), 1270, 1272, 1274          |
| 2076                                | $5^2 : 2 \cdot 2 \cdot 2 : 2$      | 400   | 598752 | 3295, 3291, 3307, 9652 (25)                                  | 1270                               |
| 2077                                | $5^2 : 2 \cdot 2 \cdot 2 \times 2$ | 400   | 598752 | 3295, 3309, 3291, 9653 (25)                                  | 1270                               |
| 2078                                | $5^2 : 2 \cdot 2 \times 2 : 2$     | 400   | 598752 | 3292, 3303, 3296, 3305, 3302, 3301, 3309, 5803 (10)          | 1272                               |
| 2079                                | $5^2 : 2 \cdot 2 : 2 : 2$          | 400   | 299376 | 3299 (2), 3297, 3308, 3305 (2), 3294, 9654 (25)              | 1272                               |
| 2080                                | $5^2 : 2 \cdot 2 : 2 : 2$          | 400   | 598752 | 3299, 3300, 3296, 3307, 3306, 3292, 3304, 9655 (25)          | 1272                               |
| 2081                                | $5^2 : 2 \cdot 2 : 2 : 2$          | 400   | 299376 | 3300 (2), 3303 (2), 3308, 3298, 3293, 9656 (25)              | 1272                               |
| 2082                                | $5^2 : 2 \cdot 2 \times 2 : 2$     | 400   | 299376 | 3293, 3310, 3304 (2), 3297, 3301 (2), 9657 (25)              | 1272                               |

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| Nr.                                 | Structure                          | Order | Length  | Maximal Subgroups  | Minimal Overgroups                         |
| 2083                                | $5^2 : 2 \cdot 2 \times 2 \cdot 2$ | 400   | 299376  | 3294, 3310, 3306 (2),<br>3298, 3302 (2), 9658<br>(25)  | 1272                                       |
| 2084                                | $2^{1+4} : 2 : S_3$                | 384   | 311850  | 3415, 3443, 3616,<br>4435 (3), 5177 (4)  | 85, 684, 974 (2),<br>1275, 1276, 1277      |
| 2085                                | $2^{1+4} : 2 : S_3$                | 384   | 51975   | 3415, 3618, 3620,<br>4436 (3), 5180 (4)  | 86, 975 (4), 1276 (6),<br>1278 (3)         |
| 2086                                | $2^{1+4} : 2 : S_3$                | 384   | 155925  | 3415, 3694, 3695,<br>4437 (3), 5185 (4)  | 90, 1277 (2), 1278,<br>1280 (2)            |
| 2087                                | $2^{1+4} : 2 : S_3$                | 384   | 1247400 | 3313, 3314, 3315,<br>4432 (3), 5173 (4)  | 94, 769                                    |
| 2088                                | $D_8 : 2^3 : S_3$                  | 384   | 623700  | 3696, 3591, 3697,<br>3316, 3698, 3699,<br>3317, 4433 (3), 5174<br>(4)  | 244 (2), 1396                              |
| 2089                                | $2^6 : S_3$                        | 384   | 207900  | 3328 (3), 3326 (3),<br>3521 (3), 3520 (3),<br>3466 (3), 3321 (3),<br>3323 (3), 3671, 3461,<br>3465, 3422, 3467 (3),<br>3319, 3375, 3364,<br>4466 (3), 5229 (4) | 289, 742 (3), 1007,<br>1282 (3)            |
| 2090                                | $2^6 : S_3$                        | 384   | 51975   | 3329 (6), 3322 (4),<br>3327 (6), 3318, 3320<br>(4), 3365 (4), 3374<br>(4), 3617, 3625, 4466<br>(3), 5220 (4)   | 289 (4), 1006 (4),<br>1283 (6), 1395 (3)   |
| 2091                                | $D_8 \times 2^3 : S_3$             | 384   | 311850  | 3347 (2), 3615, 3336<br>(2), 3363 (2), 3700,<br>3318, 3325, 3586,<br>3637, 3359 (2), 3330,<br>4467 (3), 5221 (4)   | 290 (2), 989, 990 (2),<br>1283, 1310, 1337 |
| 2092                                | $D_8 \times 2^3 : S_3$             | 384   | 623700  | 3492, 3324, 3390,<br>3346, 3653, 3486,<br>3319, 3392, 3358,<br>3331, 3423, 3337,<br>3522, 3639, 3362,<br>4467 (3), 5230 (4)                                    | 290, 402, 743, 990,<br>999, 1282           |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups                     |
| 2093                                | $D_8 \times 2^3 : S_3$ | 384   | 311850 | 3332, 3368 (2), 3325, 3701, 3342 (2), 3327, 3702, 3377 (2), 3348 (2), 3649, 3647, 4468 (3), 5222 (4)   | 291 (2), 996, 1283, 1316, 1345         |
| 2094                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3333, 3645, 3324, 3349, 3513, 3703, 3326, 3369, 3511, 3704, 3547, 3343, 3424, 3376, 3548, 4468 (3), 5231 (4)                                 | 291, 760, 995, 1282                    |
| 2095                                | $2^6 : S_3$            | 384   | 103950 | 3329 (3), 3705 (3), 3361 (6), 3335 (3), 3378 (6), 3706 (3), 3371 (2), 3648, 3652, 3351 (2), 3325, 4469 (3), 5223 (4)                         | 292 (2), 998, 1283 (3), 1319, 1347 (3) |
| 2096                                | $2^6 : S_3$            | 384   | 207900 | 3328 (3), 3334 (3), 3524 (3), 3360 (3), 3707 (3), 3523 (3), 3708 (3), 3370, 3324, 3425, 3498, 3379 (3), 3496, 3650, 3350, 4469 (3), 5232 (4) | 292, 744, 997, 1282 (3)                |
| 2097                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3334, 3526, 3333, 3426, 3373, 3527, 3319, 3709, 3345, 3529, 3367, 3674, 3525, 3710, 3353, 4470 (3), 5233 (4)                                 | 293, 745, 1009, 1282                   |
| 2098                                | $D_8 \times 2^3 : S_3$ | 384   | 311850 | 3332, 3372 (2), 3335, 3622, 3344 (2), 3318, 3711, 3352 (2), 3366 (2), 3619, 3712, 4470 (3), 5224 (4)   | 293 (2), 1008 (2), 1283, 1337, 1394    |
| 2099                                | $2^4 \times 4 : S_3$   | 384   | 623700 | 3530, 3713, 3534, 3333, 3382, 3354, 3328, 3533, 3714, 3715, 3381, 3331, 3339, 3531, 3427, 4471 (3), 5234 (4)                                 | 294, 746, 1282                         |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups                    |
| 2100                                | $2^4 \times 4 : S_3$   | 384   | 311850 | 3355 (2), 3330, 3338 (2), 3716, 3380 (2), 3383 (2), 3329, 3717, 3332, 3718, 3719, 4471 (3), 5225 (4)         | 294 (2), 1283, 1338, 1391             |
| 2101                                | $D_8 \times 2^3 : S_3$ | 384   | 311850 | 3330, 3387 (2), 3335, 3357 (2), 3720, 3327, 3384 (2), 3721, 3722, 3340 (2), 3723, 4472 (3), 5226 (4)         | 295 (2), 1283, 1339, 1390             |
| 2102                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3334, 3724, 3331, 3341, 3538, 3725, 3326, 3385, 3537, 3726, 3536, 3356, 3428, 3386, 3539, 4472 (3), 5235 (4) | 295, 747, 1282                        |
| 2103                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3340, 3400, 3401, 3344, 3320, 3399, 3398, 3413, 3412, 3338, 3397, 3414, 3336, 3361, 3342, 4444 (3), 5227 (4) | 299, 423 (2), 1073, 1283              |
| 2104                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3402, 3405, 3341, 3360, 3410, 3337, 3403, 3345, 3408, 3339, 3343, 3409, 3404, 3411, 3321, 4444 (3), 5228 (4) | 299, 422 (2), 1282                    |
| 2105                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3355, 3347, 3351, 3431, 3435, 3357, 3320, 3433, 3429, 3352, 3437, 3442, 3348, 3440, 3398, 4473 (3), 5236 (4) | 300, 685 (2), 979 (2), 991, 992, 1283 |
| 2106                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3354, 3598, 3350, 3356, 3393, 3727, 3321, 3353, 3728, 3394, 3596, 3349, 3430, 3346, 3603, 4473 (3), 5237 (4) | 300, 403, 992, 1282                   |

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|-------------------------------------|------------------------|-------|--------|---|-----------------------|
| Nr.                                 | Structure              | Order | Length | Maximal Subgroups   | Minimal Overgroups    |
| 2107                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3638, 3368, 3431,<br>3594, 3344, 3588,<br>3347, 3383, 3729,<br>3371, 3322, 3641,<br>3587, 3387, 3399,<br>4474 (3), 5238 (4) | 301, 993, 994, 1283   |
| 2108                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3643, 3370, 3642,<br>3382, 3396, 3640,<br>3346, 3730, 3323,<br>3369, 3395, 3386,<br>3432, 3731, 3345,<br>4474 (3), 5239 (4) | 301, 404, 993, 1282   |
| 2109                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3657, 3370, 3349,<br>3663, 3665, 3589,<br>3434, 3732, 3733,<br>3655, 3375, 3367,<br>3358, 3381, 3341,<br>4475 (3), 5241 (4) | 302, 1000, 1002, 1282 |
| 2110                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3348, 3659, 3661,<br>3366, 3374, 3587,<br>3433, 3734, 3735,<br>3371, 3412, 3668,<br>3359, 3380, 3340,<br>4475 (3), 5240 (4) | 302, 1001, 1003, 1283 |
| 2111                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3365, 3384, 3338,<br>3435, 3588, 3368,<br>3351, 3736, 3737,<br>3372, 3659, 3660,<br>3359, 3413, 3656,<br>4475 (3), 5242 (4) | 303, 1000, 1001, 1283 |
| 2112                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3364, 3738, 3339,<br>3358, 3590, 3667,<br>3350, 3385, 3739,<br>3662, 3670, 3369,<br>3436, 3373, 3666,<br>4475 (3), 5243 (4) | 303, 1002, 1003, 1282 |
| 2113                                | $D_8 \times 2^3 : S_3$ | 384   | 623700 | 3361, 3734, 3355,<br>3387, 3736, 3594,<br>3365, 3363, 3400,<br>3740, 3741, 3377,<br>3595, 3366, 3437,<br>4476 (3), 5244 (4) | 304, 1005, 1283       |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 2114                                | $D_8 \times 2^3 : S_3$              | 384   | 623700 | 3354, 3742, 3360,<br>3362, 3601, 3599,<br>3364, 3376, 3743,<br>3744, 3597, 3367,<br>3438, 3386, 3745,<br>4476 (3), 5245 (4) | 304, 1004, 1282      |
| 2115                                | $D_8 \times 2^3 : S_3$              | 384   | 623700 | 3375, 3373, 3439,<br>3746, 3356, 3362,<br>3672, 3379, 3747,<br>3675, 3748, 3382,<br>3673, 3749, 3343,<br>4477 (3), 5246 (4) | 305, 1010, 1282      |
| 2116                                | $D_8 \times 2^3 : S_3$              | 384   | 623700 | 3440, 3372, 3374,<br>3737, 3735, 3644,<br>3401, 3740, 3750,<br>3641, 3357, 3383,<br>3363, 3378, 3342,<br>4477 (3), 5247 (4) | 305, 1011, 1283      |
| 2117                                | $D_8 \times 2^3 : S_3$              | 384   | 623700 | 3381, 3337, 3379,<br>3751, 3752, 3385,<br>3323, 3753, 3754,<br>3353, 3755, 3756,<br>3376, 3757, 3441,<br>4478 (3), 5248 (4) | 306, 1282            |
| 2118                                | $D_8 \times 2^3 : S_3$              | 384   | 623700 | 3378, 3668, 3380,<br>3377, 3595, 3729,<br>3322, 3352, 3442,<br>3644, 3656, 3384,<br>3758, 3336, 3414,<br>4478 (3), 5249 (4) | 306, 1072, 1283      |
| 2119                                | $2 \times 4 : 2 : 2 \times 2 : S_3$ | 384   | 623700 | 3454, 3580 (2), 3391,<br>3630 (2), 3446, 4479<br>(3), 5176 (4)  | 405, 748, 1047, 1286 |
| 2120                                | $2^6 : S_3$                         | 384   | 623700 | 3664 (2), 3460, 3391,<br>3600 (2), 3540, 4462<br>(3), 5373 (4), 5374<br>(8)   | 406, 752, 1076, 1286 |
| 2121                                | $2^6 : S_3$                         | 384   | 623700 | 3524, 3665, 3530,<br>3390, 3408, 3396,<br>3461, 3536, 3666,<br>3439, 3393, 3525,<br>3755, 3547, 3601,<br>4462 (3), 5375 (4) | 407, 751, 1076, 1282 |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups   | Minimal Overgroups                     |
| 2122                                | $2^4 \cdot 2 : 2 : S_3$               | 384   | 623700 | 3462, 3391, 3544,<br>4480 (3), 5376 (4)   | 408, 753, 1054, 1286                   |
| 2123                                | $D_8 \times 2^3 : S_3$                | 384   | 623700 | 3465, 3395, 3390,<br>3539, 3675, 3757,<br>3527, 3533, 3438,<br>3411, 3662, 3523,<br>3394, 3548, 3663,<br>4481 (3), 5377 (4) | 409, 754, 1075, 1282                   |
| 2124                                | $D_8 \times 2^3 : S_3$                | 384   | 623700 | 3709, 3707, 3752,<br>3704, 3404, 3724,<br>3394, 3744, 3392,<br>3738, 3466, 3732,<br>3749, 3427, 3396,<br>4482 (3), 5378 (4) | 410, 1282                              |
| 2125                                | $D_8 \times 2^3 : S_3$                | 384   | 623700 | 3467, 3710, 3403,<br>3428, 3745, 3392,<br>3393, 3733, 3708,<br>3753, 3713, 3747,<br>3395, 3703, 3739,<br>4483 (3), 5379 (4) | 411, 1282                              |
| 2126                                | $2^{1+4} : 2 : S_3$                   | 384   | 623700 | 3550, 3491, 3468,<br>3475, 3490, 3406,<br>3549, 4435 (3)  | 419, 755, 974, 1287                    |
| 2127                                | $2^{1+4} : (2 \times 6)$              | 384   | 623700 | 3551, 3495, 3468,<br>3483, 3499, 3407,<br>3552, 4436  | 421, 756, 975, 1287                    |
| 2128                                | $8 : 2 : 2 : 2 : S_3$                 | 384   | 623700 | 3407, 3481, 3555,<br>3475, 3556, 3553,<br>3554, 4446 (3)  | 424, 757, 1287                         |
| 2129                                | $D_8 \times 2 \cdot 2 : 2 \times S_3$ | 384   | 623700 | 3407, 3406, 3557,<br>3477, 3558, 3559,<br>3560, 4447 (3)  | 425, 758, 1287                         |
| 2130                                | $D_8 \times D_8 : S_3$                | 384   | 623700 | 3561, 3564, 3481,<br>3483, 3562, 3406,<br>3563, 4439 (3)  | 426, 759, 1287                         |
| 2131                                | $2^{1+4} \times 2 : S_3$              | 384   | 311850 | 3624, 3623, 3415,<br>4484 (3), 5380 (8),<br>5182 (4)  | 525 (2), 1014 (2),<br>1276, 1277, 1293 |
| 2132                                | $2 \times 4 : 2 : 2 \times 2 : S_3$   | 384   | 623700 | 3581, 3611, 3416,<br>3610, 3608, 3606,<br>3592, 4484 (3), 5380<br>(4)   | 525, 978, 1015 (2),<br>1292            |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups                                |
| 2133                                | $2^{1+4} \times 2 : S_3$            | 384   | 155925 | 3415, 3759, 3760, 4485 (3), 5381 (8), 5183 (4)   | 526 (2), 1275, 1278, 1279, 1280, 1290, 1293, 1294 |
| 2134                                | $2 \times 4 : 2 : 2 \times 2 : S_3$ | 384   | 311850 | 3634, 3416, 3636, 3632, 3579, 3633, 3635, 4485 (3), 5381 (4)   | 526, 980, 1291, 1292, 1295                        |
| 2135                                | $D_8 \times 2^3 : S_3$              | 384   | 623700 | 3427, 3436, 3425, 3424, 3434, 3402, 3422, 3423, 3432, 3438, 3439, 3428, 3430, 3426, 3441, 4476 (3), 5382 (4) | 686 (2), 1004, 1005, 1282                         |
| 2136                                | $2^{1+4} : (2 \times 6)$            | 384   | 155925 | 3443 (2), 3760, 4486, 5383 (4)   | 687 (2), 1275, 1285, 1298, 1300, 1326, 1354, 1356 |
| 2137                                | $D_8 \times 2^2 : 2 : 2 : 3$        | 384   | 155925 | 4487, 5384 (8), 5385 (4), 5386 (4), 5387 (4)   | 688 (2), 1281, 1284, 1296, 1297, 1299, 1366, 1367 |
| 2138                                | $2^{1+4} : 2 : S_3$                 | 384   | 311850 | 3759, 3443, 3616, 4488 (3), 5388 (4)   | 689, 1275, 1301, 1302                             |
| 2139                                | $2^{1+4} : (2 \times 6)$            | 384   | 311850 | 3443, 3618, 3624, 4489, 5389 (4)   | 690, 1023 (2), 1276, 1298, 1302                   |
| 2140                                | $2^{1+4} : 2 : S_3$                 | 384   | 311850 | 3623, 3443, 3620, 4490 (3), 5390 (4)   | 691, 1020 (2), 1276, 1300, 1301                   |
| 2141                                | $2^{1+4} : 2 : S_3$                 | 384   | 311850 | 3695, 3443, 3623, 4491 (3), 5391 (4)   | 692, 1277, 1300, 1302                             |
| 2142                                | $2^{1+4} : (2 \times 6)$            | 384   | 311850 | 3694, 3443, 3624, 4492, 5392 (4)   | 693, 1277, 1298, 1301                             |
| 2143                                | $2^6 : S_3$                         | 384   | 207900 | 3448 (3), 3445, 3456 (3), 4493 (3), 5176 (12)  | 748 (3), 1026, 1304 (3)                           |
| 2144                                | $D_8 \times 2^2 : 2 : S_3$          | 384   | 623700 | 3761 (2), 3455, 3447, 3449, 3311 (2), 4494 (3), 5176 (4)   | 748, 1303   |
| 2145                                | $D_8 \times 2 : 2 \times 2 : S_3$   | 384   | 623700 | 3447, 3463, 3542, 4495 (3), 5393 (4)   | 749, 1303   |
| 2146                                | $2 \times 4 : 2 : 2 \times 2 : S_3$ | 384   | 623700 | 3446, 3540, 3462, 4496 (3), 5393 (4)   | 749, 1094, 1286                                   |
| 2147                                | $2^6 : S_3$                         | 384   | 623700 | 3464, 3541, 3445, 4497 (3), 5393 (4), 5394 (8)   | 749, 1033, 1304                                   |

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| Nr.                                 | Structure                           | Order | Length  | Maximal Subgroups  | Minimal Overgroups        |
| 2148                                | $2^4 : 3 \times 2 \times 2 : 2$     | 384   | 623700  | 3459, 3445, 3545, 4498, 5395 (4)   | 750, 1040, 1304           |
| 2149                                | $2^4 : 3 \times 2 \times 2 : 2$     | 384   | 623700  | 3446, 3460, 3544, 4499, 5395 (4)   | 750, 1095, 1286           |
| 2150                                | $2^2 \times 4 \cdot 2 : 3 : 2 : 2$  | 384   | 1247400 | 3458, 3444, 3546, 4500, 5395 (4)   | 750                       |
| 2151                                | $4^2 : 3 \times 2 \cdot 2 : 2$      | 384   | 623700  | 3457, 3543, 3447, 4501, 5395 (4)   | 750, 1303                 |
| 2152                                | $D_8 \times 2^2 : 2 : S_3$          | 384   | 623700  | 3448, 3762 (2), 3459, 3605 (2), 3541, 4502 (3), 5373 (4)   | 752, 1304                 |
| 2153                                | $D_8 \times 2^2 : 2 : S_3$          | 384   | 623700  | 3449, 3763 (2), 3457, 3764 (2), 3542, 4503 (3), 5373 (4)   | 752, 1303                 |
| 2154                                | $4^3 : S_3$                         | 384   | 623700  | 3449, 3543, 3463, 4504 (3), 5376 (4)   | 753, 1303                 |
| 2155                                | $2 \times 4 : 2 \times 2 : 2 : S_3$ | 384   | 623700  | 3448, 3545, 3464, 4505 (3), 5376 (4)   | 753, 1304                 |
| 2156                                | $D_8 \times 2^3 : S_3$              | 384   | 1247400 | 3451, 3503, 3453, 3501, 3484, 3502, 3452, 3472, 3480, 3474, 3478, 3418, 3419, 3504, 3500, 4506 (3), 5231 (4)   | 760, 761, 1016            |
| 2157                                | $D_8 \times 2^2 : 2 : S_3$          | 384   | 623700  | 3464, 3459, 3456, 4507 (3), 5396 (4)   | 762, 1304                 |
| 2158                                | $2^6 : S_3$                         | 384   | 207900  | 3454, 3462, 3460, 4499 (3), 5396 (12)  | 762 (3), 1095, 1286 (3)   |
| 2159                                | $D_8 \times 2^2 : 2 : S_3$          | 384   | 623700  | 3463, 3457, 3455, 4508 (3), 5396 (4)   | 762, 1303                 |
| 2160                                | $2^{1+4} : 2 \times S_3$            | 384   | 623700  | 3468, 3473 (2), 3565, 3481, 3566 (2), 3476 (2), 3567, 3477, 3568 (2), 3510, 3512, 4484 (3)   | 763, 1014, 1015 (2), 1287 |
| 2161                                | $D_8 \times D_8 \times S_3$         | 384   | 623700  | 3482 (2), 3569 (2), 3570 (2), 3517 (2), 3515 (2), 3506 (2), 3421 (2), 3571, 3572, 3573, 3574, 3516 (2), 3518 (2), 3505 (2), 3388 (2), 3479 (2), 3483, 3477, 3475, 4473 (3) | 764, 979 (2), 1287        |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups    |
| 2162                                | $2^{1+4} : 2 \times S_3$ | 384   | 623700  | 3499, 3578 (2), 3556, 3563, 3575 (2), 3576 (2), 3557, 3571, 3577 (2), 3490, 3512, 4509 (3)                   | 765, 1019, 1287       |
| 2163                                | $Q_8 \times D_8 : S_3$   | 384   | 1247400 | 3497, 3535, 3519, 3485, 3514, 3528, 3532, 4510 (3), 5397 (4)   | 766, 1017             |
| 2164                                | $D_8 \times 2^3 : S_3$   | 384   | 623700  | 3430, 3747, 3410, 3529, 3533, 3536, 3520, 3640, 3667, 3657, 3498, 3486, 3513, 3751, 3744, 4511 (3), 5397 (4) | 766, 1018, 1282       |
| 2165                                | $D_8 \times 2^3 : S_3$   | 384   | 623700  | 3598, 3753, 3404, 3537, 3531, 3525, 3465, 3589, 3436, 3643, 3498, 3511, 3492, 3673, 3599, 4470 (3), 5398 (4) | 767, 1008, 1009, 1282 |
| 2166                                | $2^{1+4} : 2 : S_3$      | 384   | 623700  | 3499, 3562, 3553, 3573, 3510, 3491, 3560, 4490 (3)   | 768, 1020, 1287       |
| 2167                                | $2^{1+4} : 2 : S_3$      | 384   | 1247400 | 3508, 3493, 3489, 4512 (3), 5173 (4)   | 769, 1021             |
| 2168                                | $2^6 : S_3$              | 384   | 1247400 | 3488, 3602, 3509, 3593, 3669, 3654, 3494, 4513 (3), 5399 (4), 5173 (4), 5213 (4)                             | 769, 1022             |
| 2169                                | $2^{1+4} : 2 : S_3$      | 384   | 623700  | 3495, 3564, 3558, 3572, 3490, 3510, 3554, 4512 (3)   | 770, 1021, 1287       |
| 2170                                | $2^6 : S_3$              | 384   | 623700  | 3603, 3749, 3409, 3526, 3530, 3539, 3521, 3432, 3670, 3655, 3496, 3486, 3511, 3754, 3745, 4513 (3), 5400 (4) | 771, 1022, 1282       |

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|-------------------------------------|--------------------------------------|-------|--------|---|-----------------------|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups   | Minimal Overgroups    |
| 2171                                | $2^{1+4} : 2 \times S_3$             | 384   | 207900 | 3574 (3), 3561 (3),<br>3559 (3), 3555 (3),<br>3495, 3491, 3512,<br>4489 (3)   | 772, 1023, 1287 (3)   |
| 2172                                | $D_8 \times (A_4 \times 2 \times 2)$ | 384   | 623700 | 3596, 3672, 3403,<br>3527, 3534, 3538,<br>3461, 3642, 3590,<br>3434, 3496, 3492,<br>3513, 3752, 3597,<br>4466, 5401 (4)     | 773, 1006, 1007, 1282 |
| 2173                                | $D_8 \times 2^3 : S_3$               | 384   | 623700 | 3531, 3522, 3523,<br>3748, 3402, 3538,<br>3520, 3756, 3742,<br>3526, 3727, 3733,<br>3547, 3731, 3738,<br>4514 (3), 5402 (4) | 774, 1282             |
| 2174                                | $2^4 \times 4 : S_3$                 | 384   | 623700 | 3534, 3529, 3524,<br>3732, 3405, 3548,<br>3521, 3730, 3743,<br>3522, 3728, 3746,<br>3537, 3441, 3739,<br>4515 (3), 5403 (4) | 775, 1282             |
| 2175                                | $4^3 : S_3$                          | 384   | 623700 | 3542, 3543, 3455,<br>4516 (3), 5404 (4)   | 776, 1303             |
| 2176                                | $2^4 \cdot 2 : 2 : S_3$              | 384   | 623700 | 3544, 3540, 3454,<br>4496 (3), 5404 (4)   | 776, 1094, 1286       |
| 2177                                | $2^5 \cdot 2 : S_3$                  | 384   | 623700 | 3545, 3456, 3541,<br>4517 (3), 5404 (4)   | 776, 1304             |
| 2178                                | $2 \times 4 : 2 : 2 : 2 \times S_3$  | 384   | 623700 | 3552, 3562, 3559,<br>3571, 3549, 3567,<br>3554, 4518 (3)  | 777, 1287             |
| 2179                                | $8 : 2 : 2 : 2 : S_3$                | 384   | 623700 | 3551, 3561, 3565,<br>3572, 3556, 3560,<br>3549, 4519 (3)  | 778, 1287             |
| 2180                                | $8 : 2 : 2 : 2 \times S_3$           | 384   | 623700 | 3551, 3564, 3567,<br>3574, 3553, 3557,<br>3550, 4460 (3)  | 779, 1287             |
| 2181                                | $2 \times 4 : 2 : 2 : 2 : S_3$       | 384   | 623700 | 3552, 3563, 3555,<br>3573, 3565, 3550,<br>3558, 4520 (3)  | 780, 1287             |
| 2182                                | $2^3 \cdot 2 \times 2 : 2 : S_3$     | 384   | 623700 | 3592, 3585, 3581,<br>3582, 3583, 3584,<br>3579, 4521 (3), 5304<br>(4)   | 987, 1292             |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups   | Minimal Overgroups                |
| 2183                                | $D_8 \times 2^3 : S_3$               | 384   | 311850 | 3586, 3718, 3587 (2),<br>3647, 3400 (2), 3723,<br>3435 (2), 3622, 3625,<br>3644 (2), 3648, 4468<br>(3), 5405 (4)            | 995 (2), 996, 1283,<br>1314, 1346 |
| 2184                                | $D_8 \times (A_4 \times 2 \times 2)$ | 384   | 311850 | 3617, 3719, 3401 (2),<br>3595 (2), 3720, 3652,<br>3433 (2), 3586, 3619,<br>3588 (2), 3649, 4469,<br>5406 (4)                | 997 (2), 998, 1283,<br>1320, 1348 |
| 2185                                | $D_8 \times 2^3 : S_3$               | 384   | 623700 | 3671, 3756, 3405,<br>3645, 3650, 3640,<br>3603, 3675, 3601,<br>3674, 3590, 3589,<br>3423, 3724, 3713,<br>4477 (3), 5407 (4) | 1010, 1011, 1282                  |
| 2186                                | $D_8 \times 2^3 : S_3$               | 384   | 311850 | 3612 (2), 3765, 3766,<br>3607 (2), 3613 (2),<br>3591 (2), 3604, 3609,<br>3420, 3767, 3768,<br>4506 (3), 5408 (4)            | 1016 (4), 1311, 1343,<br>1387     |
| 2187                                | $Q_8 : 2^3 : S_3$                    | 384   | 623700 | 3621, 3698, 3697,<br>3614, 3626, 3769,<br>3770, 4510 (3), 5273<br>(4)   | 1017 (2), 1396                    |
| 2188                                | $D_8 \times 2^3 : S_3$               | 384   | 311850 | 3619, 3641 (2), 3668<br>(2), 3413 (2), 3437<br>(2), 3721, 3702,<br>3615, 3716, 3706,<br>3625, 4511 (3), 5409<br>(4)         | 1018 (2), 1283, 1346,<br>1392     |
| 2189                                | $2^{1+4} \times 2 : S_3$             | 384   | 311850 | 3616, 3624, 3620,<br>4509 (3), 5251 (8),<br>5410 (4)  | 1019 (2), 1276, 1301,<br>1349     |
| 2190                                | $2^{1+4} : 2 : S_3$                  | 384   | 311850 | 3623, 3618, 3616,<br>4512 (3), 5411 (4)   | 1021 (2), 1276, 1302,<br>1350     |
| 2191                                | $2^6 : S_3$                          | 384   | 311850 | 3617, 3594 (2), 3412<br>(2), 3656 (2), 3440<br>(2), 3717, 3701,<br>3615, 3722, 3705,<br>3622, 4513 (3), 5412<br>(4)         | 1022 (2), 1283, 1348,<br>1393     |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 2192                                | $2^6 : 3 : 2$                   | 384   | 207900 | 3627, 4493, 5413<br>(12), 5414 (4), 5302<br>(4)                                       | 1026 (3), 1027, 1030,<br>1306 (3)                                     |
| 2193                                | $2^6 : S_3$                     | 384   | 34650  | 3676 (3), 3634 (3),<br>3628, 4493 (3), 5296<br>(12)                                   | 1027 (2), 1028, 1029,<br>1291 (3), 1307 (9),<br>1312 (3)              |
| 2194                                | $D_8 \times (A_4 \times 2) : 2$ | 384   | 103950 | 3604 (3), 3771 (3),<br>3629, 4493, 5415 (4)   | 1028, 1030, 1305 (3),<br>1308 (3), 1311                               |
| 2195                                | $2^4 : 3 : 2 \times 2 \times 2$ | 384   | 103950 | 3635 (3), 3677 (3),<br>3628, 4493, 5297 (4)   | 1029, 1030, 1291,<br>1309 (3), 1313 (3)                               |
| 2196                                | $2^6 : S_3$                     | 384   | 207900 | 3627, 4497 (3), 5416<br>(12), 5417 (12), 5418<br>(4)                                  | 1031 (2), 1032, 1033,<br>1034, 1306 (3)                               |
| 2197                                | $2^4 : 3 \times 2 \times 2 : 2$ | 384   | 311850 | 3628, 3679, 3681,<br>4497, 5419 (4)   | 1032 (2), 1035, 1036,<br>1307, 1313, 1317                             |
| 2198                                | $2^6 : S_3$                     | 384   | 103950 | 3768 (3), 3772 (3),<br>3629, 4497 (3), 5420<br>(4)                                    | 1034, 1035, 1308 (3),<br>1311, 1318 (3)                               |
| 2199                                | $2^6 : S_3$                     | 384   | 103950 | 3680, 3628, 3678,<br>4497 (3), 5421 (12)  | 1034, 1036, 1309 (3),<br>1312, 1317 (3)                               |
| 2200                                | $2^6 : S_3$                     | 384   | 311850 | 3682, 3628, 3646,<br>4498 (3), 5422 (8),<br>5423 (4)                                  | 1037, 1038 (2), 1039,<br>1307, 1309, 1315                             |
| 2201                                | $2^6 : S_3$                     | 384   | 207900 | 3627, 4498 (3), 5424<br>(12), 5425 (12), 5426<br>(4)                                  | 1037 (3), 1038, 1040,<br>1306 (3)                                     |
| 2202                                | $2^6 : S_3$                     | 384   | 155925 | 3629, 3773, 3647 (2),<br>3683 (2), 3774, 4498<br>(3), 5427 (4)                        | 1037 (2), 1039 (2),<br>1308 (2), 1314, 1316<br>(2)                    |
| 2203                                | $2^6 : S_3$                     | 384   | 103950 | 3684 (3), 3636 (3),<br>3628, 4522 (3), 5293<br>(8), 5428 (4)                          | 1041, 1042, 1291,<br>1315 (3), 1317 (3)                               |
| 2204                                | $2^6 : S_3$                     | 384   | 103950 | 3637 (3), 3775 (3),<br>3776 (3), 3685 (3),<br>3629, 3686, 3325,<br>4522 (3), 5429 (4) | 1041, 1043, 1310 (3),<br>1316 (3), 1319                               |
| 2205                                | $D_8 \times (A_4 \times 2) : 2$ | 384   | 155925 | 3629, 3777, 3586 (2),<br>3687 (2), 3778, 4522,<br>5430 (4)                            | 1042 (2), 1043 (2),<br>1288, 1289, 1305,<br>1310, 1314, 1318,<br>1320 |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups   | Minimal Overgroups                                     |
| 2206                                | $2^6 : S_3$                          | 384   | 17325  | 3648 (6), 3779 (9),<br>3688 (6), 3766 (9),<br>3629, 4523 (3), 5431<br>(4)   | 1044 (2), 1045 (2),<br>1311 (6), 1314 (9),<br>1319 (6) |
| 2207                                | $D_8 \times (2^4 : 3)$               | 384   | 103950 | 3628, 3691, 3651,<br>4523, 5432 (8), 5433<br>(12)   | 1044, 1046, 1312,<br>1313 (3), 1315 (3)                |
| 2208                                | $D_8 \times (A_4 \times 2 \times 2)$ | 384   | 103950 | 3629, 3780 (3), 3690,<br>3781 (3), 3652, 3689<br>(3), 3649 (3), 4523,<br>5434 (4)                                   | 1045, 1046, 1316 (3),<br>1319, 1320 (3)                |
| 2209                                | $2^4 \cdot 2 : 2 : S_3$              | 384   | 311850 | 3579 (2), 3631 (2),<br>3636, 3676, 3677,<br>4524 (3), 5175 (4)  | 1049, 1291, 1321,<br>1332                              |
| 2210                                | $2^4 \cdot 2 : 2 : S_3$              | 384   | 311850 | 3681, 3636, 3680,<br>4525 (3), 5435 (4)   | 1052, 1295, 1317,<br>1321                              |
| 2211                                | $D_8 \times 2 : 2 \times 2 : S_3$    | 384   | 311850 | 3632 (2), 3684, 3676,<br>3631 (2), 3635, 4526<br>(3), 5436 (4)  | 1057, 1291, 1334,<br>1335                              |
| 2212                                | $2 \times 4 : 2 : 2 \times 2 : S_3$  | 384   | 311850 | 3633 (2), 3684, 3677,<br>3631 (2), 3634, 4526<br>(3), 5437 (4)  | 1057, 1291, 1333,<br>1336                              |
| 2213                                | $D_8 \times 2^2 : 2 : S_3$           | 384   | 623700 | 3582, 3585, 3611,<br>3608, 3692, 3632,<br>3658, 4527 (3), 5438<br>(4)   | 1058, 1292   |
| 2214                                | $D_8 \times 2^2 : 2 : S_3$           | 384   | 623700 | 3583, 3584, 3610,<br>3606, 3692, 3633,<br>3658, 4527 (3), 5439<br>(4)   | 1058, 1292   |
| 2215                                | $2^6 : S_3$                          | 384   | 311850 | 3651, 3592 (2), 3646,<br>3658 (2), 3636, 4528<br>(3), 5440 (4), 5294<br>(8)   | 1059, 1292, 1315,<br>1321                              |
| 2216                                | $2^6 : S_3$                          | 384   | 311850 | 3637, 3659 (2), 3431<br>(2), 3740 (2), 3414<br>(2), 3721, 3327,<br>3652, 3712, 3717,<br>3647, 4528 (3), 5441<br>(4) | 1059, 1283, 1316,<br>1339                              |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups                |
| 2217                                | $2 \times 4 : 2 : 2 \times 2 : S_3$ | 384   | 311850 | 3581 (2), 3692 (2),<br>3678, 3679, 3636,<br>4529 (3), 5442 (4)  | 1060, 1292, 1317,<br>1332         |
| 2218                                | $2^6 : S_3$                         | 384   | 103950 | 3610 (2), 3678, 3634,<br>3651, 3582 (2), 4530<br>(3), 5298 (12)   | 1061, 1292 (3), 1312,<br>1333 (3) |
| 2219                                | $2^4 : 3 : 2 \times 2 \times 2$     | 384   | 311850 | 3583 (2), 3611 (2),<br>3679, 3635, 3651,<br>4530, 5299 (4)  | 1061, 1292, 1313,<br>1334         |
| 2220                                | $2 \times 4 : 2 : 2 \times 2 : S_3$ | 384   | 311850 | 3585 (2), 3606 (2),<br>3679, 3634, 3646,<br>4531 (3), 5443 (4)  | 1062, 1292, 1307,<br>1336         |
| 2221                                | $D_8 \times 2 : 2 \times 2 : S_3$   | 384   | 311850 | 3584 (2), 3608 (2),<br>3678, 3635, 3646,<br>4531 (3), 5444 (4)  | 1062, 1292, 1309,<br>1335         |
| 2222                                | $D_8 \times 2^3 : S_3$              | 384   | 311850 | 3329, 3711, 3397,<br>3660, 3649, 3637,<br>3429, 3716, 3750,<br>3758, 3661, 3648,<br>3638, 3741, 3722,<br>4532 (3), 5339 (4) | 1063, 1283, 1319,<br>1338         |
| 2223                                | $2^3 \times 4 : 2 : S_3$            | 384   | 311850 | 3637, 3782, 3330,<br>3686, 3687, 3783,<br>3784, 4533 (3), 5307<br>(4)   | 1066, 1310, 1338,<br>1339         |
| 2224                                | $2^4 \times 4 : S_3$                | 384   | 103950 | 3680, 3691, 3634,<br>4534 (3), 5300 (12)  | 1067, 1295 (3), 1312,<br>1336 (3) |
| 2225                                | $2^4 : 3 \times 2 \cdot 2 : 2$      | 384   | 311850 | 3691, 3635, 3681,<br>4534, 5301 (4)   | 1067, 1295, 1313,<br>1335         |
| 2226                                | $2^4 \times 4 : S_3$                | 384   | 311850 | 3682, 3691, 3636,<br>4535 (3), 5295 (8),<br>5445 (4)  | 1068, 1295, 1315,<br>1332         |
| 2227                                | $2^4 \times 4 : S_3$                | 384   | 311850 | 3332, 3683, 3637,<br>3785, 3690, 3786,<br>3787, 4535 (3), 5340<br>(4)   | 1068, 1316, 1337,<br>1338         |
| 2228                                | $2^4 \cdot 2 : 2 : S_3$             | 384   | 311850 | 3682, 3634, 3681,<br>4536 (3), 5446 (4)   | 1069, 1295, 1307,<br>1333         |
| 2229                                | $D_8 \times 2^2 : 2 \cdot S_3$      | 384   | 311850 | 3682, 3635, 3680,<br>4536 (3), 5447 (4)   | 1069, 1295, 1309,<br>1334         |
| 2230                                | $D_8 \times 2^3 : S_3$              | 384   | 311850 | 3638 (2), 3689, 3637,<br>3788 (2), 3789 (2),<br>3693 (2), 3335, 3790,<br>3688, 3791, 3792,<br>4537 (3), 5448 (4)            | 1070, 1319, 1337,<br>1339         |

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| Nr.                                 | Structure                    | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 2231                                | $D_8 \times 2^3 : S_3$       | 384   | 623700 | 3466, 3742, 3411,<br>3645, 3639, 3667,<br>3598, 3746, 3755,<br>3714, 3642, 3655,<br>3425, 3726, 3710,<br>4478 (3), 5449 (4) | 1072, 1282   |
| 2232                                | $D_8 \times 2^3 : S_3$       | 384   | 623700 | 3467, 3709, 3408,<br>3424, 3670, 3639,<br>3596, 3748, 3715,<br>3757, 3650, 3657,<br>3643, 3725, 3743,<br>4444 (3), 5172 (4) | 1073, 1282   |
| 2233                                | $D_8 \times 2^3 : S_3$       | 384   | 623700 | 3663, 3666, 3426,<br>3409, 3704, 3653,<br>3597, 3731, 3715,<br>3671, 3751, 3708,<br>3673, 3726, 3728,<br>4538 (3), 5450 (4) | 1074, 1282   |
| 2234                                | $D_8 \times 2^3 : S_3$       | 384   | 623700 | 3422, 3730, 3410,<br>3725, 3707, 3754,<br>3727, 3665, 3599,<br>3653, 3662, 3672,<br>3674, 3703, 3714,<br>4538 (3), 5451 (4) | 1074, 1282   |
| 2235                                | $2^{1+4} : (2 \times 6)$     | 384   | 51975  | 3760 (3), 4539, 5297<br>(8), 5452 (4), 5453<br>(8)  | 1077, 1290, 1322 (3),<br>1326 (3), 1329, 1330,<br>1342 (3), 1344 (3) |
| 2236                                | $2^{1+4} : A_4$              | 384   | 103950 | 4539, 5302 (8), 5454<br>(4), 5455 (4), 5171<br>(12), 5456 (24), 5457<br>(24), 5458 (8)                                      | 1077, 1323 (3), 1327,<br>1340 (3)                                    |
| 2237                                | $2^{1+4} \times A_4$         | 384   | 51975  | 3777 (3), 3793 (6),<br>3604 (6), 4539, 5459<br>(4)  | 1077, 1305 (3), 1324<br>(3), 1325, 1328, 1331<br>(3), 1341 (3), 1343 |
| 2238                                | $D_8 \times 2^2 : 2 : S_3$   | 384   | 311850 | 3682, 3678, 3677,<br>4540 (3), 5460 (4)   | 1078, 1309, 1332,<br>1333  |
| 2239                                | $D_8 \times 2^2 : 2 : S_3$   | 384   | 311850 | 3682, 3679, 3676,<br>4540 (3), 5461 (4)   | 1078, 1307, 1332,<br>1334  |
| 2240                                | $2^2 \times 4 : 2 : 2 : S_3$ | 384   | 311850 | 3677, 3646, 3680,<br>4541 (3), 5462 (4)   | 1079, 1309, 1321,<br>1336  |
| 2241                                | $2^4 \cdot 2 : 2 : S_3$      | 384   | 311850 | 3676, 3646, 3681,<br>4541 (3), 5463 (4)   | 1079, 1307, 1321,<br>1335  |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups   | Minimal Overgroups                |
| 2242                                | $2^3 \times 4 : 2 : S_3$        | 384   | 311850 | 3325, 3794, 3700,<br>3687, 3685, 3795,<br>3784, 4542 (3), 5464<br>(4) | 1080, 1310, 1345,<br>1347         |
| 2243                                | $D_8 \times 2^3 : S_3$          | 384   | 311850 | 3586, 3795, 3615,<br>3686, 3685, 3782,<br>3796, 4542 (3), 5465<br>(4) | 1080, 1310, 1346,<br>1348         |
| 2244                                | $2^6 : S_3$                     | 384   | 103950 | 3676, 3680, 3651,<br>4543 (3), 5466 (12)                              | 1081, 1312, 1321 (3),<br>1334 (3) |
| 2245                                | $2^4 : 3 \times 2 \times 2 : 2$ | 384   | 311850 | 3681, 3651, 3677,<br>4543, 5467 (4)                                   | 1081, 1313, 1321,<br>1333         |
| 2246                                | $2^4 \times 4 : S_3$            | 384   | 103950 | 3676, 3691, 3678,<br>4544 (3), 5468 (12)                              | 1082, 1312, 1332 (3),<br>1335 (3) |
| 2247                                | $2^4 : 3 \times 2 \cdot 2 : 2$  | 384   | 311850 | 3691, 3679, 3677,<br>4544, 5469 (4)                                   | 1082, 1313, 1332,<br>1336         |
| 2248                                | $2^4 \times 4 : S_3$            | 384   | 311850 | 3691, 3684, 3646,<br>4545 (3), 5470 (8),<br>5471 (4)                  | 1083, 1315, 1335,<br>1336         |
| 2249                                | $2^4 \times 4 : S_3$            | 384   | 311850 | 3702, 3690, 3647,<br>3797, 3685, 3798,<br>3799, 4545 (3), 5472<br>(4) | 1083, 1316, 1345,<br>1346         |
| 2250                                | $2^6 : S_3$                     | 384   | 311850 | 3682, 3684, 3651,<br>4546 (3), 5473 (8),<br>5474 (4)                  | 1084, 1315, 1333,<br>1334         |
| 2251                                | $2^6 : S_3$                     | 384   | 311850 | 3701, 3683, 3652,<br>3800, 3685, 3801,<br>3802, 4546 (3), 5475<br>(4) | 1084, 1316, 1347,<br>1348         |
| 2252                                | $2^4 \cdot 2 \times 2 : S_3$    | 384   | 311850 | 3687, 3803, 3718,<br>3683, 3648, 3804,<br>3805, 4547 (3), 5337<br>(4) | 1085, 1314, 1338,<br>1347         |
| 2253                                | $D_8 \times 2^3 \cdot S_3$      | 384   | 311850 | 3686, 3802, 3717,<br>3683, 3649, 3798,<br>3785, 4547 (3), 5308<br>(4) | 1085, 1316, 1338,<br>1348         |
| 2254                                | $D_8 \times 2^3 : S_3$          | 384   | 311850 | 3686, 3799, 3721,<br>3689, 3647, 3801,<br>3786, 4548 (3), 5476<br>(4) | 1086, 1316, 1339,<br>1346         |

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| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups  | Minimal Overgroups             |
| 2255                                | $2^4 \cdot 2 \times 2 : S_3$                 | 384   | 311850 | 3687, 3806, 3723, 3688, 3647, 3804, 3807, 4548 (3), 5477 (4)   | 1086, 1314, 1339, 1345         |
| 2256                                | $D_8 \times 2^3 : S_3$                       | 384   | 311850 | 3325, 3800, 3712, 3683, 3689, 3797, 3787, 4549 (3), 5478 (4)   | 1087, 1316, 1337, 1347         |
| 2257                                | $D_8 \times 2^3 : S_3$                       | 384   | 311850 | 3586, 3805, 3622, 3683, 3688, 3807, 3808, 4549 (3), 5479 (4)   | 1087, 1314, 1337, 1348         |
| 2258                                | $D_8 \times 2^2 : 2 : S_3$                   | 384   | 311850 | 3684, 3679, 3680, 4550 (3), 5480 (4)   | 1088, 1317, 1334, 1336         |
| 2259                                | $2^4 \cdot 2 : 2 : S_3$                      | 384   | 311850 | 3684, 3678, 3681, 4550 (3), 5481 (4)   | 1088, 1317, 1333, 1335         |
| 2260                                | $D_8 \times 2^3 : S_3$                       | 384   | 311850 | 3648, 3693 (2), 3660 (2), 3809 (2), 3810 (2), 3811, 3812, 3685, 3706, 3813, 3689, 4551 (3), 5482 (4) | 1089, 1319, 1346, 1347         |
| 2261                                | $D_8 \times 2^3 : S_3$                       | 384   | 311850 | 3649, 3693 (2), 3661 (2), 3814 (2), 3815 (2), 3816, 3817, 3685, 3705, 3818, 3688, 4551 (3), 5483 (4) | 1089, 1319, 1345, 1348         |
| 2262                                | $2^4 \times 4 : S_3$                         | 384   | 103950 | 3716 (3), 3818 (3), 3790 (3), 3812 (3), 3648, 3686, 3690, 4552 (3), 5309 (4)                         | 1090, 1319, 1338 (3), 1346 (3) |
| 2263                                | $D_8 \times (A_4 \times 2 \cdot 2)$          | 384   | 311850 | 3649, 3819, 3719, 3687, 3690, 3820, 3821, 4552, 5338 (4)   | 1090, 1320, 1338, 1345         |
| 2264                                | $2^6 : S_3$                                  | 384   | 103950 | 3722 (3), 3791 (3), 3813 (3), 3817 (3), 3652, 3688, 3686, 4553 (3), 5484 (4)                         | 1091, 1319, 1339 (3), 1348 (3) |
| 2265                                | $A_4 \times 2 \times 2 \times 2 \cdot 2 : 2$ | 384   | 311850 | 3652, 3822, 3720, 3689, 3687, 3823, 3821, 4553, 5485 (4)   | 1091, 1320, 1339, 1347         |

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| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups                             |
| 2266                                | $2^4 \times 4 : S_3$                    | 384   | 103950 | 3711 (3), 3816 (3),<br>3811 (3), 3792 (3),<br>3325, 3688, 3690,<br>4554 (3), 5486 (4)                            | 1092, 1319, 1337 (3),<br>1345 (3)              |
| 2267                                | $A_4 \times 2 \cdot 2 \times 2 : 2 : 2$ | 384   | 311850 | 3586, 3820, 3619,<br>3689, 3690, 3822,<br>3824, 4554, 5487 (4)   | 1092, 1320, 1337,<br>1346                      |
| 2268                                | $2^{1+4} \times 2 : S_3$                | 384   | 155925 | 3616 (2), 3760, 4555<br>(3), 5488 (8), 5489<br>(4)   | 1275, 1322, 1349,<br>1350, 1351, 1355,<br>1357 |
| 2269                                | $2^{1+4} : 2 : S_3$                     | 384   | 311850 | 3616, 3694, 3623,<br>4556 (3), 5490 (4)  | 1277, 1301, 1350                               |
| 2270                                | $2^{1+4} \times 2 : S_3$                | 384   | 311850 | 3695, 3624, 3616,<br>4557 (3), 5491 (8),<br>5492 (4)   | 1277, 1302, 1349                               |
| 2271                                | $2^{1+4} : (2 \times 6)$                | 384   | 155925 | 3760, 3618, 3694,<br>4558, 5493 (4)  | 1278, 1298, 1329,<br>1350, 1353, 1358,<br>1361 |
| 2272                                | $2^{1+4} \times 2 : S_3$                | 384   | 155925 | 3695, 3760, 3620,<br>4559 (3), 5494 (8),<br>5495 (4)   | 1278, 1300, 1330,<br>1349, 1352, 1359,<br>1360 |
| 2273                                | $2^{1+4} : 2 : S_3$                     | 384   | 155925 | 3759, 3694, 3620,<br>4560 (3), 5496 (4)  | 1278, 1301 (2), 1352<br>(2)                    |
| 2274                                | $2^{1+4} : 2 : S_3$                     | 384   | 155925 | 3759, 3618, 3695,<br>4561 (3), 5497 (4)  | 1278, 1302 (2), 1353<br>(2)                    |
| 2275                                | $2^{1+4} : 12$                          | 384   | 155925 | 3760, 4562, 5498 (4)   | 1279, 1326, 1351,<br>1359, 1361, 1363,<br>1364 |
| 2276                                | $2^{1+4} \times 2 \cdot S_3$            | 384   | 155925 | 3760, 4563 (3), 5499<br>(4), 5500 (8)  | 1279, 1285, 1322,<br>1358, 1360, 1362,<br>1365 |
| 2277                                | $2^{1+4} \times 2 : S_3$                | 384   | 155925 | 3695 (2), 3760, 4564<br>(3), 5501 (8), 5502<br>(4)   | 1280, 1330, 1353,<br>1354, 1357, 1362,<br>1363 |
| 2278                                | $2^{1+4} : 2 : S_3$                     | 384   | 311850 | 3759, 3694, 3695,<br>4565 (3), 5503 (4)  | 1280, 1352, 1353                               |
| 2279                                | $2^{1+4} : (2 \times 6)$                | 384   | 155925 | 3694 (2), 3760, 4566,<br>5504 (4)  | 1280, 1329, 1352,<br>1355, 1356, 1364,<br>1365 |
| 2280                                | $2^4 \times 4 : S_3$                    | 384   | 311850 | 3705, 3734 (2), 3719,<br>3700, 3399 (2), 3327,<br>3723, 3737 (2), 3442<br>(2), 3711, 3702, 4567<br>(3), 5505 (4) | 1283, 1345, 1390                               |

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| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 2281                                | $D_8 \times 2^3 : S_3$                  | 384   | 311850 | 3706, 3735 (2), 3718, 3736 (2), 3720, 3729 (2), 3329, 3398 (2), 3700, 3701, 3712, 4568 (3), 5506 (4) | 1283, 1347, 1391                         |
| 2282                                | $2^{1+4} \times 2 : S_3$                | 384   | 155925 | 3759 (2), 3760, 4569 (3), 5436 (8), 5507 (4)   | 1285, 1290, 1351, 1352, 1353, 1368, 1369 |
| 2283                                | $D_8 \times 2^3 \cdot S_3$              | 384   | 155925 | 3777, 3796 (2), 4570 (3), 5508 (4)   | 1288, 1325, 1370, 1380, 1381, 1382, 1383 |
| 2284                                | $D_8 \times 2^3 \cdot S_3$              | 384   | 155925 | 3825 (2), 3777, 4571 (3), 5509 (4)   | 1288, 1324, 1371, 1378, 1379, 1384, 1385 |
| 2285                                | $D_8 \times (A_4 \times 2) \cdot 2$     | 384   | 155925 | 3777, 3824 (2), 4572, 5510 (4)   | 1289, 1328, 1373, 1375, 1376, 1379, 1380 |
| 2286                                | $D_8 \times (A_4 \times 2) \cdot 2$     | 384   | 155925 | 3826 (2), 3777, 4573, 5511 (4)   | 1289, 1331, 1372, 1374, 1377, 1378, 1381 |
| 2287                                | $2^{1+4} \times 2 : S_3$                | 384   | 311850 | 3623, 3759, 3624, 4574 (3), 5438 (8), 5512 (4)   | 1293, 1301, 1302                         |
| 2288                                | $2^{1+4} : (2 \times 6)$                | 384   | 155925 | 3760, 3624 (2), 4575, 5513 (8), 5299 (8), 5514 (4)   | 1293, 1298, 1344, 1349, 1362, 1364, 1368 |
| 2289                                | $2^{1+4} \times 2 : S_3$                | 384   | 155925 | 3623 (2), 3760, 4576 (3), 5444 (8), 5515 (4)   | 1293, 1300, 1342, 1350, 1363, 1365, 1369 |
| 2290                                | $2^{1+4} \times 2 \cdot S_3$            | 384   | 155925 | 3760, 4577 (3), 5516 (4), 5447 (8)   | 1294, 1342, 1354, 1355, 1358, 1359, 1368 |
| 2291                                | $2^{1+4} : 12$                          | 384   | 155925 | 3760, 4578, 5301 (8), 5517 (4), 5518 (8)   | 1294, 1344, 1356, 1357, 1360, 1361, 1369 |
| 2292                                | $A_4 \times 2 \cdot 2 \times 2 : 2 : 2$ | 384   | 311850 | 3771, 3778, 3604, 4579, 5519 (4)   | 1305, 1387, 1389                         |
| 2293                                | $D_8 \times (A_4 \times 2) \cdot 2$     | 384   | 155925 | 3771 (2), 3777, 4580, 5520 (4)   | 1305, 1370, 1371, 1372, 1373, 1386, 1388 |
| 2294                                | $D_8 \times 2^3 \cdot S_3$              | 384   | 311850 | 3604, 3774, 3772, 4581 (3), 5521 (4)   | 1308, 1341, 1387                         |
| 2295                                | $2^2 \times 4 : 2 \times 2 : S_3$       | 384   | 311850 | 3771, 3773, 3772, 4582 (3), 5522 (4)   | 1308, 1388, 1389                         |

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| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 2296                                | $2^2 \times 4 : 2 \times 2 : S_3$        | 384   | 311850 | 3771, 3774, 3768, 4583 (3), 5523 (4)   | 1308, 1386, 1387                         |
| 2297                                | $D_8 \times 2^3 : S_3$                   | 384   | 311850 | 3773, 3609 (2), 3827 (2), 3828 (2), 3829 (2), 3607 (2), 3768, 3830 (2), 3604, 4584 (3), 5524 (4) | 1308, 1343, 1389                         |
| 2298                                | $2 \times 4 : 2 \times 2 \times 2 : S_3$ | 384   | 311850 | 3330, 3795, 3700, 3782, 3776, 3778, 3775, 4585 (3), 5525 (4)                                     | 1310, 1390, 1391                         |
| 2299                                | $D_8 \times 2^3 : S_3$                   | 384   | 155925 | 3775 (2), 3784 (2), 3318, 3777, 3796, 4586 (3), 5526 (4)   | 1310, 1325, 1371, 1374, 1376, 1394, 1395 |
| 2300                                | $D_8 \times 2^3 : S_3$                   | 384   | 155925 | 3615 (2), 3794, 3783, 3776 (2), 3777, 4587 (3), 5527 (4)   | 1310, 1324, 1370, 1375, 1377, 1392, 1393 |
| 2301                                | $D_8 \times 2^3 : S_3$                   | 384   | 311850 | 3772, 3609 (2), 3779, 3831 (2), 3604, 4588 (3), 5528 (4)   | 1311, 1341, 1389                         |
| 2302                                | $2^2 \times 4 : 2 \times 2 : S_3$        | 384   | 311850 | 3772, 3765 (2), 3766, 3831 (2), 3771, 4589 (3), 5529 (4)   | 1311, 1387, 1388                         |
| 2303                                | $2^2 \times 4 : 2 \times 2 : S_3$        | 384   | 311850 | 3768, 3767 (2), 3779, 3831 (2), 3771, 4590 (3), 5530 (4)   | 1311, 1386, 1389                         |
| 2304                                | $2 \times 4 : 2 \times 2 \times 2 : S_3$ | 384   | 155925 | 3778, 3766, 3718 (2), 3807 (2), 3774, 4591 (3), 5531 (4)   | 1314, 1387 (2), 1391 (2)                 |
| 2305                                | $D_8 \times 2^3 : S_3$                   | 384   | 155925 | 3777, 3806, 3808, 3612 (4), 3803, 3625, 3827 (4), 3773, 3766, 4592 (3), 5532 (4)                 | 1314, 1343, 1378, 1380, 1388, 1392, 1395 |
| 2306                                | $2 \times 4 : 2 \times 2 \times 2 : S_3$ | 384   | 155925 | 3778, 3773, 3723 (2), 3805 (2), 3779, 4593 (3), 5533 (4)   | 1314, 1389 (2), 1390 (2)                 |
| 2307                                | $D_8 \times 2^3 : S_3$                   | 384   | 155925 | 3777, 3804 (2), 3622 (2), 3774, 3779, 4594 (3), 5534 (4)   | 1314, 1341, 1379, 1381, 1386, 1393, 1394 |
| 2308                                | $D_8 \times 2^3 : S_3$                   | 384   | 311850 | 3701, 3786, 3717, 3797, 3776, 3774, 3781, 4595 (3), 5535 (4)                                     | 1316, 1391, 1393                         |

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| Nr.                                 | Structure                    | Order | Length | Maximal Subgroups   | Minimal Overgroups                             |
| 2309                                | $D_8 \times 2^3 : S_3$       | 384   | 311850 | 3775, 3802, 3327,<br>3773, 3781, 3799,<br>3787, 4596 (3), 5536<br>(4)   | 1316, 1390, 1395                               |
| 2310                                | $D_8 \times 2^3 : S_3$       | 384   | 311850 | 3702, 3785, 3721,<br>3800, 3776, 3780,<br>3773, 4597 (3), 5537<br>(4)   | 1316, 1390, 1392                               |
| 2311                                | $D_8 \times 2^3 : S_3$       | 384   | 311850 | 3332, 3801, 3712,<br>3798, 3780, 3774,<br>3775, 4598 (3), 5538<br>(4)   | 1316, 1391, 1394                               |
| 2312                                | $D_8 \times 2^3 \cdot S_3$   | 384   | 155925 | 3772 (2), 3777, 4599<br>(3), 5539 (4)   | 1318, 1341, 1374,<br>1375, 1383, 1385,<br>1388 |
| 2313                                | $2^4 \cdot 2 \times 2 : S_3$ | 384   | 311850 | 3772, 3778, 3768,<br>4600 (3), 5540 (4)   | 1318, 1387, 1389                               |
| 2314                                | $D_8 \times 2^3 : S_3$       | 384   | 155925 | 3777, 3832 (2), 3808<br>(2), 3829 (4), 3613<br>(4), 3768 (2), 4601<br>(3), 5541 (4)                                 | 1318, 1343, 1376,<br>1377, 1382, 1384,<br>1386 |
| 2315                                | $D_8 \times 2^3 : S_3$       | 384   | 311850 | 3711, 3809 (2), 3758<br>(2), 3814 (2), 3789<br>(2), 3780, 3775,<br>3813, 3335, 3818,<br>3779, 4602 (3), 5542<br>(4) | 1319, 1390, 1394                               |
| 2316                                | $D_8 \times 2^3 : S_3$       | 384   | 311850 | 3329, 3789 (2), 3397<br>(2), 3815 (2), 3810<br>(2), 3817, 3812,<br>3792, 3766, 3781,<br>3775, 4603 (3), 5543<br>(4) | 1319, 1391, 1395                               |
| 2317                                | $D_8 \times 2^3 : S_3$       | 384   | 311850 | 3722, 3809 (2), 3750<br>(2), 3788 (2), 3815<br>(2), 3776, 3781,<br>3811, 3705, 3790,<br>3779, 4604 (3), 5544<br>(4) | 1319, 1390, 1393                               |

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| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 2318                                | $D_8 \times 2^3 : S_3$            | 384   | 311850 | 3716, 3788 (2), 3741 (2), 3814 (2), 3810 (2), 3780, 3766, 3791, 3706, 3816, 3776, 4605 (3), 5545 (4) | 1319, 1391, 1392                         |
| 2319                                | $D_8 \times (A_4 \times 2) : 2$   | 384   | 155925 | 3619 (2), 3819, 3823, 3780 (2), 3777, 4606, 5546 (4)   | 1320, 1331, 1373, 1383, 1384, 1392, 1394 |
| 2320                                | $D_8 \times (A_4 \times 2) : 2$   | 384   | 155925 | 3781 (2), 3824, 3617, 3777, 3821 (2), 4607, 5547 (4)   | 1320, 1328, 1372, 1382, 1385, 1393, 1395 |
| 2321                                | $D_8 \times (A_4 \times 2) : 2$   | 384   | 311850 | 3720, 3820, 3719, 3822, 3780, 3778, 3781, 4608, 5548 (4)   | 1320, 1390, 1391                         |
| 2322                                | $D_8 : 2^3 \cdot S_3$             | 384   | 311850 | 3793, 3783, 3825, 4609 (3), 5549 (4)   | 1324, 1397, 1398                         |
| 2323                                | $D_8 : 2^3 : S_3$                 | 384   | 311850 | 3793, 3316 (2), 3794, 3614 (2), 3825, 4610 (3), 5550 (4)   | 1324, 1396, 1399                         |
| 2324                                | $Q_8 : (A_4 \times 2 \cdot 2)$    | 384   | 311850 | 3793, 3819, 3826, 4611, 5551 (4)   | 1331, 1397, 1399                         |
| 2325                                | $D_8 : (A_4 \times 2 \times 2)$   | 384   | 311850 | 3793, 3317 (2), 3823, 3621 (2), 3826, 4612, 5552 (4)   | 1331, 1396, 1398                         |
| 2326                                | $2^2 \times 4 : 2 \times 2 : S_3$ | 384   | 311850 | 3790, 3824, 3615, 3811, 3622, 3797, 3786, 4613 (3), 5553 (4)   | 1337, 1346, 1393                         |
| 2327                                | $2^2 \times 4 : 2 \times 2 : S_3$ | 384   | 155925 | 3792 (2), 3808, 3318, 3787 (2), 3824, 4614 (3), 5554 (4)   | 1337 (2), 1376 (2), 1395                 |
| 2328                                | $2^3 \times 4 : 2 : S_3$          | 384   | 311850 | 3791, 3792, 3330, 3822, 3712, 3807, 3786, 4615 (3), 5555 (4)   | 1337, 1339, 1391                         |
| 2329                                | $2^3 \times 4 : 2 : S_3$          | 384   | 311850 | 3335, 3805, 3700, 3800, 3822, 3811, 3787, 4616 (3), 5556 (4)   | 1337, 1347, 1390                         |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups   | Minimal Overgroups          |
| 2330                                | $D_8 \times 2^3 : S_3$                | 384   | 311850 | 3791, 3808, 3615,<br>3800, 3619, 3816,<br>3785, 4617 (3), 5557<br>(4) | 1337, 1348, 1392            |
| 2331                                | $2^2 \times 4 \cdot 2 \times 2 : S_3$ | 384   | 311850 | 3790, 3787, 3330,<br>3805, 3711, 3820,<br>3785, 4618 (3), 5310<br>(4) | 1337, 1338, 1390            |
| 2332                                | $2^2 \times 4 \cdot 2 \times 2 : S_3$ | 384   | 311850 | 3792, 3807, 3700,<br>3797, 3820, 3816,<br>3332, 4619 (3), 5558<br>(4) | 1337, 1345, 1391            |
| 2333                                | $2^3 \times 4 : 2 : S_3$              | 384   | 311850 | 3803, 3784, 3329,<br>3802, 3787, 3821,<br>3812, 4620 (3), 5361<br>(4) | 1338, 1347, 1395            |
| 2334                                | $2^2 \times 4^2 : S_3$                | 384   | 311850 | 3784, 3818, 3711,<br>3819, 3804, 3798,<br>3332, 4621 (3), 5362<br>(4) | 1338, 1345, 1394            |
| 2335                                | $2^4 \times 4 : S_3$                  | 384   | 311850 | 3802, 3818, 3722,<br>3785, 3805, 3782,<br>3719, 4622 (3), 5360<br>(4) | 1338, 1348, 1390            |
| 2336                                | $2^2 \times 4^2 : S_3$                | 384   | 155925 | 3803, 3783, 3716 (2),<br>3785 (2), 3819, 4623<br>(3), 5311 (4)        | 1338 (2), 1392, 1397<br>(2) |
| 2337                                | $2^3 \times 4 : 2 : S_3$              | 384   | 311850 | 3821, 3790, 3722,<br>3783, 3804, 3786,<br>3717, 4624 (3), 5312<br>(4) | 1338, 1339, 1393            |
| 2338                                | $2^2 \times 4 \cdot 2 \times 2 : S_3$ | 384   | 311850 | 3812, 3782, 3716,<br>3820, 3786, 3798,<br>3718, 4625 (3), 5359<br>(4) | 1338, 1346, 1391            |
| 2339                                | $2^2 \times 4 : 2 \times 2 : S_3$     | 384   | 311850 | 3784, 3817, 3327,<br>3806, 3821, 3799,<br>3792, 4626 (3), 5559<br>(4) | 1339, 1345, 1395            |
| 2340                                | $2^2 \times 4 : 2 \times 2 : S_3$     | 384   | 311850 | 3782, 3799, 3721,<br>3822, 3723, 3813,<br>3790, 4627 (3), 5560<br>(4) | 1339, 1346, 1390            |

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|-------------------------------------|---------------------------------------|-------|--------|--|--------------------------|
| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups       |
| 2341                                | $D_8 \times 2^3 : S_3$                | 384   | 311850 | 3782, 3817, 3717, 3807, 3720, 3801, 3791, 4628 (3), 5561 (4)   | 1339, 1348, 1391         |
| 2342                                | $D_8 \times 2^3 : S_3$                | 384   | 155925 | 3783, 3806, 3721 (2), 3791 (2), 3823, 4629 (3), 5562 (4)   | 1339 (2), 1392, 1398 (2) |
| 2343                                | $D_8 \times 2^3 : S_3$                | 384   | 311850 | 3784, 3813, 3712, 3804, 3823, 3801, 3335, 4630 (3), 5563 (4)   | 1339, 1347, 1394         |
| 2344                                | $Q_8 : 2^3 : S_3$                     | 384   | 311850 | 3827 (2), 3767 (2), 3833 (2), 3832, 3806, 3613 (2), 3828 (2), 3793, 3607 (2), 4631 (3), 5564 (4)     | 1343, 1398, 1399         |
| 2345                                | $D_8 : 2^3 : S_3$                     | 384   | 311850 | 3612 (2), 3626, 3803, 3828 (2), 3829 (2), 3765 (2), 3793, 3830, 3591, 3833, 3832, 4632 (3), 5565 (4) | 1343, 1396, 1397         |
| 2346                                | $2^2 \times 4 \cdot 2 \times 2 : S_3$ | 384   | 311850 | 3723, 3820, 3702, 3811, 3818, 3795, 3799, 4633 (3), 5566 (4)   | 1345, 1346, 1390         |
| 2347                                | $2^3 \times 4 : 2 : S_3$              | 384   | 311850 | 3705, 3794, 3701, 3804, 3811, 3797, 3821, 4634 (3), 5567 (4)   | 1345, 1347, 1393         |
| 2348                                | $2^2 \times 4^2 : S_3$                | 384   | 155925 | 3702 (2), 3819, 3794, 3816 (2), 3806, 4635 (3), 5568 (4)   | 1345 (2), 1392, 1399 (2) |
| 2349                                | $2^4 \times 4 : S_3$                  | 384   | 311850 | 3719, 3795, 3701, 3798, 3816, 3807, 3817, 4636 (3), 5569 (4)   | 1345, 1348, 1391         |
| 2350                                | $2^3 \times 4 : 2 : S_3$              | 384   | 155925 | 3812 (2), 3796, 3625, 3799 (2), 3824, 4637 (3), 5570 (4)   | 1346 (2), 1380 (2), 1395 |
| 2351                                | $2^3 \times 4 : 2 : S_3$              | 384   | 311850 | 3706, 3795, 3718, 3801, 3822, 3797, 3812, 4638 (3), 5571 (4)   | 1346, 1347, 1391         |

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| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups       |
| 2352                                | $D_8 \times 2^3 : S_3$            | 384   | 311850 | 3813, 3796, 3622, 3801, 3619, 3798, 3818, 4639 (3), 5572 (4)                 | 1346, 1348, 1394         |
| 2353                                | $D_8 \times 2^3 : S_3$            | 384   | 155925 | 3697 (4), 3834 (4), 3823, 3803, 3800 (2), 3706 (2), 3794, 4640 (3), 5573 (4) | 1347 (2), 1392, 1396 (2) |
| 2354                                | $D_8 \times 2^3 : S_3$            | 384   | 311850 | 3720, 3805, 3705, 3800, 3813, 3795, 3802, 4641 (3), 5574 (4)                 | 1347, 1348, 1390         |
| 2355                                | $2^6 : S_3$                       | 384   | 155925 | 3817 (2), 3808, 3617, 3802 (2), 3796, 4642 (3), 5575 (4)                     | 1348 (2), 1382 (2), 1395 |
| 2356                                | $2^2 \times 4 : 2 \times 2 : S_3$ | 384   | 311850 | 3824, 3796, 3808, 4643 (3), 5576 (4)   | 1376, 1380, 1382         |
| 2357                                | $2^3 \times 4 \cdot 2 : S_3$      | 384   | 311850 | 3826, 3783, 3832, 4644 (3), 5577 (4)   | 1377, 1397, 1398         |
| 2358                                | $2^3 \times 4 \cdot 2 : S_3$      | 384   | 311850 | 3826, 3699 (2), 3794, 3769 (2), 3832, 4645 (3), 5578 (4)                     | 1377, 1396, 1399         |
| 2359                                | $2^3 \times 4 \cdot 2 : S_3$      | 384   | 311850 | 3826, 3698 (2), 3803, 3835 (2), 3825, 4646 (3), 5579 (4)                     | 1378, 1396, 1397         |
| 2360                                | $2^3 \times 4 \cdot 2 : S_3$      | 384   | 311850 | 3826, 3806, 3825, 4647 (3), 5580 (4)   | 1378, 1398, 1399         |
| 2361                                | $D_8 \times 2^3 : S_3$            | 384   | 311850 | 3770 (2), 3825, 3823, 3832, 3696 (2), 4648 (3), 5581 (4)                     | 1384, 1396, 1398         |
| 2362                                | $2^2 \times 4^2 : S_3$            | 384   | 311850 | 3832, 3819, 3825, 4649 (3), 5582 (4)   | 1384, 1397, 1399         |
| 2363                                | $D_8 : 2^3 : S_3$                 | 384   | 623700 | 3317, 3830, 3834, 3769, 3835, 3316, 3770, 4650 (3), 5583 (4)                 | 1396                     |
| 2364                                | $D_8 \cdot 2^3 : S_3$             | 384   | 623700 | 3621, 3833, 3834, 3699, 3835, 3614, 3696, 4651 (3), 5584 (4)                 | 1396                     |
| 2365                                | $A_6$                             | 360   | 332640 | 7111 (6), 7109 (6), 7910 (10), 9132 (15), 9133 (15)                          | 46, 1401, 1403, 1406     |

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| Nr.                                 | Structure               | Order | Length | Maximal Subgroups                                  | Minimal Overgroups  |
| 2366                                | $A_6$                   | 360   | 332640 | 7110 (12), 7921 (10), 9134 (30)                    | 46, 1402, 1404, 1405  |
| 2367                                | $A_5 : S_3$             | 360   | 27720  | 3840, 4931 (3), 5852 (5), 7128 (6), 7922 (10)      | 131, 630 (4), 789 (4), 1097 (4), 1407 (6), 1408, 1409 (6), 1410 (3), 1411 (3) |
| 2368                                | $2 \times 10 : 3 : S_3$ | 360   | 166320 | 3851, 4950 (6), 4933 (3), 5004 (3), 5771 (4), 5852 | 198, 1412, 1413, 1414   |
| 2369                                | $S_5 \times 3$          | 360   | 166320 | 3840, 4931, 5911 (5), 7129 (6), 7923 (10)          | 252, 634 (2), 811 (2), 1097 (2), 1407, 1416, 1417, 1418, 1419, 1420, 1421     |
| 2370                                | $15 : 2 : S_3 \cdot 2$  | 360   | 332640 | 3836, 3841, 3852, 5942 (5), 7839 (9)               | 412, 636, 638, 1423, 1424, 1425   |
| 2371                                | $D_{30} : S_3 : 2$      | 360   | 332640 | 3836, 3848, 3853, 5943 (5), 7840 (9)               | 413, 1424   |
| 2372                                | $15 : S_3 \cdot 2 : 2$  | 360   | 332640 | 3854, 3849, 3836, 5940, 7841 (9)                   | 414, 1424   |
| 2373                                | $A_5 \times S_3$        | 360   | 166320 | 3840, 4967 (3), 5949 (5), 7116 (6), 7924 (10)      | 415, 635 (2), 812 (2), 1101 (2), 1407, 1417, 1422, 1430, 1431, 1437, 1438     |
| 2374                                | $A_5 \times S_3$        | 360   | 332640 | 3839, 4968 (3), 5951 (5), 7116 (6), 7925 (10)      | 416, 635, 815, 1100, 1427, 1429, 1432   |
| 2375                                | $A_5 \times S_3$        | 360   | 332640 | 3837, 4967 (3), 5948 (5), 7115 (6), 7925 (10)      | 416, 637, 813, 824 (2), 1101, 1426, 1428, 1433                                |
| 2376                                | $A_5 \times S_3$        | 360   | 332640 | 3847, 4968 (3), 5950 (5), 7115 (6), 7926 (10)      | 417, 637, 814, 1100, 1434, 1435, 1436   |
| 2377                                | $S_5 \times 3$          | 360   | 332640 | 3837, 4951, 6006 (5), 7124 (6), 7927 (10)          | 546 (2), 663, 851, 1108, 1426, 1439, 1461                                     |
| 2378                                | $A_5 \times 3 \times 2$ | 360   | 332640 | 3837, 4952, 6007 (5), 7125 (6), 7928 (10)          | 547 (2), 665, 855, 1111, 1428, 1439, 1463                                     |
| 2379                                | $S_5 \times 3$          | 360   | 110880 | 3837, 4953, 6011 (5), 7126 (6), 7929 (10)          | 548 (6), 661, 844 (3), 868 (2), 1106, 1433 (3), 1439 (3), 1459                |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 2380                                | $A_6$                         | 360   | 924    | 7130 (6), 7127 (6),<br>7930 (10), 9135 (15),<br>9136 (15) | 549 (6), 694 (36),<br>1098 (20), 1112 (20),<br>1415 (15), 1440, 1441<br>(15), 1442 (45), 1443<br>(45), 1469 (15), 1470<br>(15) |
| 2381                                | $A_5 : S_3$                   | 360   | 110880 | 3839, 4958 (3), 6012<br>(5), 7128 (6), 7931<br>(10)       | 630, 831 (3), 1099,<br>1427 (3), 1445, 1446<br>(3)   |
| 2382                                | $D_{10} \cdot S_3 : S_3$      | 360   | 332640 | 3841, 3838 (2), 4940<br>(6), 6013 (5)                     | 631, 643, 799 (2),<br>1423, 1447, 1454   |
| 2383                                | $D_{10} \cdot S_3 \times S_3$ | 360   | 665280 | 3843, 3842, 3838,<br>4955 (3), 4960 (3),<br>6014 (5)      | 632, 644, 832, 834,<br>1447  |
| 2384                                | $15 : 2 \cdot 2 \times S_3$   | 360   | 665280 | 3843, 3838, 3844,<br>4954, 4961 (3), 6015<br>(5)          | 633, 645, 833, 835,<br>1447  |
| 2385                                | $A_5 \times 3 : 2$            | 360   | 332640 | 3839, 4958, 6016 (5),<br>7129 (6), 7932 (10)              | 634, 836, 1099, 1427,<br>1449, 1450  |
| 2386                                | $A_5 \times S_3$              | 360   | 110880 | 3839, 4966 (3), 6017<br>(5), 7131 (6), 7933<br>(10)       | 639, 838 (3), 1105,<br>1432 (3), 1445, 1449<br>(3)   |
| 2387                                | $A_5 \times S_3$              | 360   | 27720  | 3840, 4965 (3), 6018<br>(5), 7131 (6), 7934<br>(10)       | 639 (4), 837 (4), 1104<br>(4), 1408, 1418 (6),<br>1430 (6), 1484 (3),<br>1485 (3)  |
| 2388                                | $A_5 \times 3 : 2$            | 360   | 110880 | 3839, 4964, 6019 (5),<br>7132 (6), 7935 (10)              | 640, 840 (3), 1107,<br>1429 (3), 1445, 1450<br>(3)   |
| 2389                                | $S_5 \times 3$                | 360   | 27720  | 3840, 4953, 6020 (5),<br>7132 (6), 7936 (10)              | 640 (4), 839 (4), 1106<br>(4), 1408, 1419 (6),<br>1431 (6), 1483 (3),<br>1486 (3)  |
| 2390                                | $A_5 : S_3$                   | 360   | 332640 | 3839, 4969 (3), 6021<br>(5), 7133 (6), 7937<br>(10)       | 641, 847, 1102, 1429,<br>1446, 1449  |
| 2391                                | $A_5 : S_3$                   | 360   | 166320 | 3840, 4970 (3), 6022<br>(5), 7133 (6), 7938<br>(10)       | 641 (2), 848 (2),<br>1103 (2), 1409, 1418,<br>1420, 1431, 1438,<br>1480, 1482  |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 2392                                | $A_5 \times 3 \times 2$        | 360   | 166320 | 3840, 4965, 6023 (5),<br>7134 (6), 7939 (10)                   | 642 (2), 850 (2),<br>1104 (2), 1409, 1419,<br>1421, 1430, 1437,<br>1480, 1481 |
| 2393                                | $A_5 \times 3 \times 2$        | 360   | 332640 | 3839, 4966, 6024 (5),<br>7134 (6), 7940 (10)                   | 642, 849, 1105, 1432,<br>1446, 1450   |
| 2394                                | $D_{10} \times S_3 \times S_3$ | 360   | 332640 | 3850 (2), 3843 (2),<br>3849, 3848, 3841,<br>4942 (6), 6025 (5) | 646, 647, 800 (2),<br>1424, 1447, 1453  |
| 2395                                | $15 : 2 \cdot 2 : S_3$         | 360   | 332640 | 3844, 3842, 3841,<br>4943 (6), 4944 (6),<br>6026 (5)           | 648, 649, 801 (2),<br>1425, 1447, 1455  |
| 2396                                | $D_{10} \cdot S_3 : S_3$       | 360   | 332640 | 3841, 3845 (2), 4939<br>(6), 6027 (5)                          | 650, 651, 1423, 1453,<br>1455   |
| 2397                                | $15 : S_3 \cdot 2 : 2$         | 360   | 332640 | 3855 (2), 3841, 6028<br>(5), 7842 (9)                          | 652, 653, 1425, 1453,<br>1454   |
| 2398                                | $D_{10} \times S_3 \times S_3$ | 360   | 332640 | 3856 (2), 3846 (2),<br>3841, 3854, 3853,<br>4941 (6), 6029 (5) | 654, 655, 1424, 1454,<br>1455   |
| 2399                                | $D_{10} \times S_3 \cdot S_3$  | 360   | 665280 | 3842, 3845, 3846,<br>4975 (3), 4974 (3),<br>6030 (5)           | 656, 657, 1455  |
| 2400                                | $15 : 2 \cdot 2 \times S_3$    | 360   | 665280 | 3844, 3846, 3845,<br>4973, 4949 (3), 6031<br>(5)               | 658, 659, 1455  |
| 2401                                | $A_5 : S_3$                    | 360   | 110880 | 3847, 4976 (3), 6032<br>(5), 7135 (6), 7941<br>(10)            | 660, 842 (3), 1109,<br>1434 (3), 1458, 1464<br>(3)                            |
| 2402                                | $A_5 : S_3$                    | 360   | 110880 | 3837, 4951 (3), 6033<br>(5), 7135 (6), 7942<br>(10)            | 660, 841 (3), 1108,<br>1426 (3), 1459, 1463<br>(3)                            |
| 2403                                | $A_5 \times 3 : 2$             | 360   | 110880 | 3847, 4964, 6034 (5),<br>7126 (6), 7943 (10)                   | 661, 843 (3), 1107,<br>1436 (3), 1458, 1460<br>(3)                            |
| 2404                                | $A_5 \times S_3$               | 360   | 110880 | 3847, 4977 (3), 6035<br>(5), 7136 (6), 7944<br>(10)            | 662, 846 (3), 1110,<br>1435 (3), 1458, 1462<br>(3)                            |
| 2405                                | $A_5 \times S_3$               | 360   | 110880 | 3837, 4952 (3), 6036<br>(5), 7136 (6), 7945<br>(10)            | 662, 845 (3), 1111,<br>1428 (3), 1459, 1461<br>(3)                            |
| 2406                                | $A_5 \times 3 : 2$             | 360   | 332640 | 3847, 4976, 6037 (5),<br>7124 (6), 7946 (10)                   | 663, 852, 1109, 1434,<br>1460, 1462   |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups                                      | Minimal Overgroups   |
| 2407                                | $A_5 : S_3$                    | 360   | 332640 | 3837, 4970 (3), 6038 (5), 7137 (6), 7947 (10)          | 664, 853, 865 (2), 1103, 1433, 1461, 1463  |
| 2408                                | $A_5 : S_3$                    | 360   | 332640 | 3847, 4969 (3), 6039 (5), 7137 (6), 7948 (10)          | 664, 854, 1102, 1436, 1462, 1464   |
| 2409                                | $A_5 \times 3 \times 2$        | 360   | 332640 | 3847, 4977, 6040 (5), 7125 (6), 7949 (10)              | 665, 856, 1110, 1435, 1460, 1464   |
| 2410                                | $2 \times 10 : 3 \times 3 : 2$ | 360   | 166320 | 3851, 4979 (2), 4978, 4971, 5770 (4), 6041 (5)         | 666, 1412, 1444, 1448, 1465, 1466, 1467, 1468  |
| 2411                                | $A_6$                          | 360   | 166320 | 7113 (12), 7950 (10), 9137 (30)                        | 1400, 1473, 1474, 1475, 1476, 1477, 1478   |
| 2412                                | $A_5 \times 3 \times 2$        | 360   | 83160  | 3840, 4967, 6041 (5), 7138 (6), 7951 (10)              | 1410, 1416, 1422, 1471, 1479, 1481, 1482, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1493 |
| 2413                                | $A_5 : S_3$                    | 360   | 83160  | 3840, 4951 (3), 6042 (5), 7139 (6), 7952 (10)          | 1410, 1417 (2), 1479 (2), 1480 (2), 1483, 1484, 1492 (2)                                 |
| 2414                                | $A_5 \times S_3$               | 360   | 83160  | 3840, 4952 (3), 6043 (5), 7140 (6), 7953 (10)          | 1411, 1420 (2), 1437 (2), 1483, 1485, 1492 (2), 1493 (2)                                 |
| 2415                                | $S_5 \times 3$                 | 360   | 83160  | 3840, 4970, 6044 (5), 7141 (6), 7954 (10)              | 1411, 1421 (2), 1438 (2), 1484, 1486, 1491 (2), 1492 (2)                                 |
| 2416                                | $2 \times 10 : 3 : S_3$        | 360   | 166320 | 3851, 5001 (3), 5005 (6), 5006 (3), 5772 (4), 6042 (5) | 1412, 1494, 1495   |
| 2417                                | $2 \times 10 : 3 : S_3$        | 360   | 166320 | 3851, 5007, 5002 (3), 5773 (4), 6043 (5)               | 1413, 1466, 1495   |
| 2418                                | $2 \times 30 : S_3$            | 360   | 166320 | 3851, 4997, 5008 (3), 5773 (4), 6044 (5)               | 1413, 1468, 1494   |
| 2419                                | $2 \times 30 : S_3$            | 360   | 166320 | 3851, 5000, 5009 (3), 5774 (4), 6020                   | 1414, 1468, 1495   |
| 2420                                | $2 \times 10 : 3 \times S_3$   | 360   | 166320 | 3851, 5010, 5003 (3), 5774 (4), 6018                   | 1414, 1466, 1494   |
| 2421                                | $D_{30} : S_3 : 2$             | 360   | 332640 | 3853, 3849, 3852, 5869 (5), 7843 (9)                   | 1424   |
| 2422                                | $D_{30} : S_3 : 2$             | 360   | 332640 | 3854, 3848, 3852, 6045 (5), 7844 (9)                   | 1424   |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 2423                                | $L_2(7) : 2$             | 336   | 356400  | 3868, 7817 (8), 9659 (21), 10254 (28)                    | 85, 1115 (2), 1496, 1497, 1498                                |
| 2424                                | $L_2(7) : 2$             | 336   | 59400   | 3868, 7818 (8), 9660 (21), 10255 (28)                    | 86, 1116 (4), 1497 (6), 1499 (3)                              |
| 2425                                | $D_8 \times (7 : 3 : 2)$ | 336   | 1425600 | 3857, 3858, 3869, 3861, 3859, 3860, 3862, 5037, 7395 (7) | 88, 524, 1114   |
| 2426                                | $L_2(7) : 2$             | 336   | 178200  | 3868, 7819 (8), 9661 (21), 10256 (28)                    | 90, 1498 (2), 1499, 1501 (2)                                  |
| 2427                                | $L_2(7) \times 2$        | 336   | 237600  | 3863, 7278 (7), 7396 (7), 7823 (8)                       | 321, 525 (3), 1118 (3), 1119, 1503 (3)                        |
| 2428                                | $L_2(7) \times 2$        | 336   | 356400  | 3863, 7280 (7), 7397 (7), 7824 (8)                       | 322, 526, 739 (2), 1117 (2), 1502, 1503, 1504                 |
| 2429                                | $2^3 : 7 : 3 \times 2$   | 336   | 712800  | 3865, 5036, 7398 (7), 7823 (8)                           | 441 (2), 525, 1120 (2), 1508                                  |
| 2430                                | $2^3 : 7 \times S_3$     | 336   | 475200  | 3866, 5036 (3), 7399, 7825 (8)                           | 442, 905, 1120  |
| 2431                                | $L_2(7) \times 2$        | 336   | 356400  | 3868, 7400 (14), 7823 (8)                                | 525 (2), 1121 (2), 1497, 1498, 1507                           |
| 2432                                | $L_2(7) \times 2$        | 336   | 178200  | 3868, 7401 (14), 7824 (8)                                | 526 (2), 1496, 1499, 1500, 1501, 1505, 1507, 1509             |
| 2433                                | $2^3 : 7 : 3 \times 2$   | 336   | 356400  | 3865, 5038, 7402 (7), 7824 (8)                           | 526, 1506, 1508, 1510   |
| 2434                                | $D_{28} \times 2 : S_3$  | 336   | 475200  | 3870, 3872, 3871, 5037 (3), 5792 (4), 7403 (7)           | 740, 1114   |
| 2435                                | $3^2 : S_3 : S_3$        | 324   | 1478400 | 3876, 3874, 3875, 5040 (3), 5044 (3)                     | 127, 913, 1129  |
| 2436                                | $3 : S_3 : S_3 : 3$      | 324   | 123200  | 5071, 5796 (4), 10257 (27)                               | 128 (3), 1130, 1517 (3), 1518 (3), 1519                       |
| 2437                                | $3^{1+2} : 2 \times S_3$ | 324   | 1478400 | 3894, 3897, 3877, 5042, 5124 (3), 5041 (3)               | 218, 1124   |
| 2438                                | $3^3 : S_3 \cdot 2$      | 324   | 92400   | 3904, 5064 (2), 5050 (2), 7955 (9)                       | 437, 1520 (2), 1521, 1522, 1523 (2), 1524, 1525 (2), 1526 (2) |
| 2439                                | $3^2 : S_3 : S_3$        | 324   | 739200  | 3892, 3878, 3893, 5067 (3), 5125 (3), 5126 (3), 5070 (6) | 907, 1123, 1527   |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups                 |
| 2440                                | $3^{1+2} : 2 \times S_3$ | 324   | 739200  | 3896, 3899, 3878, 5127, 5069 (3), 5124 (3)                                     | 908, 1124, 1527                    |
| 2441                                | $3^2 : S_3 : S_3$        | 324   | 739200  | 3901, 3878, 3902, 5068, 5128 (3), 5129 (3)                                     | 909, 1125, 1527                    |
| 2442                                | $3^2 : S_3 : S_3$        | 324   | 739200  | 3879, 3881, 3882, 5109 (3), 5067 (3)   | 910, 1123, 1528                    |
| 2443                                | $3^{1+2} : 2 : S_3$      | 324   | 246400  | 3886, 3885, 3879, 5088 (3), 5068 (3)   | 911, 1125, 1528 (3)                |
| 2444                                | $3^{1+2} \times 2 : S_3$ | 324   | 739200  | 3884, 3883, 3879, 5041 (6), 5119 (3), 5069 (3)                                 | 912, 1124, 1528                    |
| 2445                                | $3^{1+2} \times 2 : S_3$ | 324   | 739200  | 3881, 3885, 3884, 5092, 5130 (3)   | 927, 1126, 1528                    |
| 2446                                | $3^2 : S_3 : S_3$        | 324   | 1478400 | 3880, 3889, 3888, 5131 (3), 5132 (3)   | 929, 1127                          |
| 2447                                | $3^2 : S_3 : S_3$        | 324   | 739200  | 3881, 3886, 3883, 5132 (3), 5113 (3)   | 930, 1127, 1528                    |
| 2448                                | $3^2 \times 6 : S_3$     | 324   | 739200  | 3884, 3886, 3882, 5133, 5120 (3)   | 932, 1128, 1528                    |
| 2449                                | $3^2 : S_3 : S_3$        | 324   | 739200  | 3883, 3885, 3882, 5134 (3), 5044 (3)   | 935, 1129, 1528                    |
| 2450                                | $3^2 : S_3 : S_3$        | 324   | 184800  | 3890 (2), 3891, 5125 (12), 5094 (6), 5109 (6)                                  | 1123 (4), 1529 (2), 1550, 1574 (2) |
| 2451                                | $3^2 \times S_3 : S_3$   | 324   | 369600  | 3898, 3895, 3890, 5077, 5124 (6), 5119 (3), 5046 (3), 5097 (3)                 | 1124 (2), 1529, 1552, 1571         |
| 2452                                | $3^2 : S_3 \times S_3$   | 324   | 369600  | 3890, 3903, 3900, 5088, 5100 (3), 5118 (3), 5098 (3), 5129 (6)                 | 1125 (2), 1529, 1553, 1567         |
| 2453                                | $3^2 \times S_3 : S_3$   | 324   | 61600   | 3891, 3898, 3900, 5092 (3), 5103 (18), 5135 (12), 5091 (9)                     | 1126 (4), 1529 (6), 1557 (3)       |
| 2454                                | $3^2 \times S_3 : S_3$   | 324   | 739200  | 3899, 3892, 3901, 5135, 5130 (3), 5136 (3)                                     | 1126, 1527                         |
| 2455                                | $3^2 \times S_3 : S_3$   | 324   | 184800  | 3891, 3895, 3903, 5131 (12), 5106 (3), 5111 (6), 5137 (12), 5113 (6), 5104 (3) | 1127 (4), 1529 (2), 1559, 1576 (2) |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 2456                                | $3^2 : S_3 : S_3$           | 324   | 739200 | 3896, 3892, 3902, 5132 (3), 5138 (3), 5137 (3)                     | 1127, 1527   |
| 2457                                | $3^2 \times S_3 : S_3$      | 324   | 246400 | 3893, 3899, 3902, 5136 (9), 5133 (3), 5139 (3)                     | 1128, 1527 (3)   |
| 2458                                | $3^2 \times S_3 \times S_3$ | 324   | 369600 | 3898, 3890, 3903, 5139 (2), 5089, 5078, 5099 (3), 5120 (3)         | 1128 (2), 1529, 1553, 1571   |
| 2459                                | $3^2 : S_3 : S_3$           | 324   | 369600 | 3895, 3890, 3900, 5095 (3), 5117 (3), 5096 (3), 5140 (6), 5044 (3) | 1129 (2), 1529, 1552, 1567   |
| 2460                                | $3^{1+2} : 2 : S_3$         | 324   | 739200 | 3893, 3896, 3901, 5140 (3), 5138 (3), 5134 (3), 5040 (6)           | 1129, 1527   |
| 2461                                | $3 : S_3 : S_3 : 3$         | 324   | 61600  | 5071, 5797 (4), 10258 (27)   | 1130, 1516, 1534 (3), 1535 (3), 1538 (3), 1540 (3), 1542, 1543                         |
| 2462                                | $3^2 : S_3 : S_3$           | 324   | 61600  | 3904 (3), 5071, 5049 (9)   | 1130, 1520 (3), 1533, 1536 (3), 1537 (3), 1539, 1541, 1544 (3)                         |
| 2463                                | $3 : S_3 : S_3 : 3$         | 324   | 246400 | 5141, 5798 (4), 10259 (27)   | 1131, 1545 (3)   |
| 2464                                | $3^2 : S_3 : S_3$           | 324   | 123200 | 3905 (3), 5141, 5142 (9)   | 1131, 1531, 1547 (3), 1549 (3)   |
| 2465                                | $3 : S_3 : S_3 : 3$         | 324   | 123200 | 5141, 5799 (4), 10260 (27)   | 1131, 1532 (3), 1546 (3), 1548   |
| 2466                                | $3^2 : S_3 : S_3$           | 324   | 184800 | 3890 (2), 3904, 5082, 5043 (3), 5051 (6)                           | 1520, 1536, 1550, 1551, 1552, 1553, 1554   |
| 2467                                | $3^2 : S_3 \cdot S_3$       | 324   | 92400  | 3904, 5045 (6), 5101 (6), 7956 (9)                                 | 1521, 1536 (2), 1558 (2), 1560, 1561, 1562 (2), 1565 (2)                               |
| 2468                                | $3^2 : S_3 : S_3$           | 324   | 46200  | 3904 (2), 3891, 5053 (12), 5052 (12)                               | 1521 (2), 1533, 1550 (2), 1555, 1556 (2), 1557 (2), 1559 (2), 1563, 1564 (2), 1578 (4) |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups                                    | Minimal Overgroups                                       |
| 2469                                | $3^2 : S_3 : S_3$           | 324   | 92400  | 3900 (2), 3904, 5055 (6), 5074 (6), 5102 (6)         | 1522, 1539 (2), 1551 (2), 1557, 1561, 1567 (2), 1569 (2) |
| 2470                                | $3^2 : S_3 : S_3$           | 324   | 92400  | 3895 (2), 3904, 5054 (6), 5047 (6), 5112 (6)         | 1522, 1537 (2), 1552 (2), 1559, 1560, 1566 (2), 1568 (2) |
| 2471                                | $3^2 : S_3 \cdot S_3$       | 324   | 184800 | 3904, 5084, 5048 (3), 7957 (9)                       | 1523, 1537, 1544, 1551, 1554, 1556, 1558                 |
| 2472                                | $3^2 \times S_3 : S_3$      | 324   | 184800 | 3900, 3898, 3904, 5072, 5057 (6), 5075 (3), 5056 (6) | 1523, 1539, 1541, 1552, 1553, 1557, 1558                 |
| 2473                                | $3^2 \times S_3 \times S_3$ | 324   | 92400  | 3903 (2), 3904, 5085 (2), 5086 (2), 5059 (6)         | 1524, 1544 (2), 1553 (2), 1559, 1561, 1570 (2), 1572 (2) |
| 2474                                | $3^2 \times S_3 \times S_3$ | 324   | 92400  | 3904, 3898 (2), 5073 (2), 5079 (2), 5058 (6)         | 1524, 1541 (2), 1554 (2), 1557, 1560, 1571 (2), 1573 (2) |
| 2475                                | $3^2 : S_3 : S_3$           | 324   | 184800 | 3890 (2), 3904, 5076, 5093 (3), 5060 (6)             | 1525, 1550, 1562, 1567, 1568, 1570, 1571                 |
| 2476                                | $3^2 : S_3 : S_3$           | 324   | 184800 | 3905 (2), 3904, 5081, 5061 (6), 5108 (3)             | 1525, 1562, 1563, 1566, 1569, 1572, 1573                 |
| 2477                                | $3^2 : S_3 \cdot S_3$       | 324   | 184800 | 3904, 5083, 5110 (3), 7917 (9)                       | 1526, 1564, 1565, 1568, 1569, 1570, 1573                 |
| 2478                                | $3^2 \times S_3 : S_3$      | 324   | 184800 | 3904, 3895, 3903, 5080, 5105 (3), 5062 (6), 5063 (6) | 1526, 1559, 1565, 1566, 1567, 1571, 1572                 |
| 2479                                | $3^3 : S_3 \cdot 2$         | 324   | 92400  | 3891, 7912 (18), 7921 (36), 7910 (36)                | 1530, 1555, 1574 (2), 1575 (2), 1578 (2), 1579 (2), 1580 |
| 2480                                | $3^2 : S_3 : S_3$           | 324   | 92400  | 3905 (2), 3891, 5107 (12), 5143 (12)                 | 1531, 1563, 1576 (2), 1577 (2), 1578 (2), 1579, 1580 (2) |
| 2481                                | $3^2 : S_3 : S_3$           | 324   | 184800 | 3905, 3895 (2), 5114 (6), 5144 (6), 5116 (6)         | 1547 (2), 1566 (2), 1576                                 |
| 2482                                | $3^2 : S_3 \cdot S_3$       | 324   | 369600 | 3905, 5145, 5146 (3), 7919 (9)                       | 1547, 1549, 1577   |
| 2483                                | $3^2 \times S_3 \times S_3$ | 324   | 184800 | 3905, 3903 (2), 5147 (2), 5090 (2), 5121 (6)         | 1549 (2), 1572 (2), 1576                                 |

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| Nr.                                 | Structure                              | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                |
| 2484                                | $3^2 \times S_3 : S_3$                 | 324   | 369600  | 3895, 3905, 3903, 5087, 5123 (3), 5115 (3), 5148 (6), 5122 (3)                                     | 1566, 1572, 1576                                  |
| 2485                                | $2^4 : 5 : 2 \cdot 2$                  | 320   | 374220  | 3921, 6288 (5), 9526 (16)  | 684, 1581, 1582, 1583                             |
| 2486                                | $D_8 \times (D_{10} \cdot 2 \times 2)$ | 320   | 1496880 | 3912, 3915, 3918, 3910, 3909, 3919, 3914, 3907, 3908, 3920, 3917, 3916, 3913, 3906, 3911, 6289 (5) | 685, 686, 1139, 1140, 1143                        |
| 2487                                | $2^4 : 5 : 2 \times 2$                 | 320   | 374220  | 3922, 3923, 3921, 6290 (5), 9528 (16)  | 687, 688, 1581, 1584, 1585                        |
| 2488                                | $2^4 : 5 : 2 \cdot 2$                  | 320   | 374220  | 3921, 6291 (5), 9527 (16)  | 689, 1581, 1586, 1587                             |
| 2489                                | $2^4 : 5 : 2 \times 2$                 | 320   | 374220  | 3921, 3924, 3925, 6292 (5), 9529 (16)  | 690, 1582, 1584, 1587                             |
| 2490                                | $2^4 : 5 : 2 \cdot 2$                  | 320   | 374220  | 3921, 6293 (5), 9531 (16)  | 691, 1582, 1585, 1586                             |
| 2491                                | $2^4 : 5 : 2 \cdot 2$                  | 320   | 374220  | 3921, 6294 (5), 9530 (16)  | 692, 1583, 1585, 1587                             |
| 2492                                | $2^4 : 5 : 2 \times 2$                 | 320   | 374220  | 3926, 3921, 3927, 6295 (5), 9532 (16)  | 693, 1583, 1584, 1586                             |
| 2493                                | $2^4 : 5 : 2 \times 2$                 | 320   | 374220  | 3922, 3924, 3926, 6252 (5), 9525 (16)  | 1584  |
| 2494                                | $2^4 : 5 : 2 \times 2$                 | 320   | 374220  | 3926, 3923, 3925, 6296 (5), 9533 (16)  | 1584  |
| 2495                                | $2^4 : 5 \times 2 \times 2$            | 320   | 374220  | 3923, 3924, 3927, 6297, 9534 (16)  | 1584  |
| 2496                                | $2^4 : 5 : 2 \times 2$                 | 320   | 374220  | 3922, 3927, 3925, 6298 (5), 9535 (16)  | 1584  |
| 2497                                | $A_5 \times 5$                         | 300   | 199584  | 7130, 7142 (5), 7243 (6), 9071 (10)  | 694, 1589, 1592, 1593                             |
| 2498                                | $A_5 \times 5$                         | 300   | 99792   | 7127, 7143 (5), 7243 (6), 9072 (10)  | 694 (2), 1588, 1590, 1591, 1594, 1595, 1596, 1597 |
| 2499                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$     | 288   | 415800  | 4324, 4325, 4266, 4021, 3928, 4291, 3929, 8108 (9)   | 103 (2), 1236, 1598, 1648, 1728                   |
| 2500                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$     | 288   | 415800  | 4326, 4151, 4327, 4022, 3928, 4328, 3933, 8109 (9)   | 104 (2), 1598, 1655, 1768                         |

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| Nr.                                 | Structure                          | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 2501                                | $Q_{12} : S_3 : 2 \times 2$        | 288   | 415800  | 4023, 3932, 4329, 3928, 4330, 4331, 4332, 8110 (9)                           | 105 (2), 1598, 1656, 1767                                   |
| 2502                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$ | 288   | 1663200 | 3931, 3930, 3972, 4041, 3971, 3963, 3964, 8111 (9)                           | 106, 325, 544   |
| 2503                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$ | 288   | 415800  | 3976, 3973, 3974, 4022, 3932, 3975, 3929, 8112 (9)                           | 107 (2), 326 (2), 541 (2), 1598, 1615, 1654                 |
| 2504                                | $D_{12} \times S_3 : 2 \times 2$   | 288   | 415800  | 4023, 3934 (4), 3929, 4333, 3933, 4334, 3935 (4), 4335, 4336, 8113 (9)       | 109 (2), 1598, 1661, 1731                                   |
| 2505                                | $S_3 \times S_3 : 2 \times 2 : 2$  | 288   | 415800  | 4021, 3932, 4306, 3933, 4337, 4338, 4268, 8114 (9)                           | 110 (2), 1253, 1598, 1651, 1716                             |
| 2506                                | $2^3 : S_3 \times S_3$             | 288   | 415800  | 3938 (2), 3996 (2), 4039, 3941, 3993, 5178 (3), 5221 (3), 5919 (4)           | 206, 351 (2), 444 (2), 790, 989, 1167 (2), 1599, 1601, 1604 |
| 2507                                | $2^3 \times S_3 : S_3$             | 288   | 277200  | 4055, 4053, 4001, 3938, 3940, 3939, 4000, 5236 (3), 5179 (3), 5920 (4)       | 207, 352, 445, 791 (3), 991 (3), 1168 (3), 1171, 1599 (3)   |
| 2508                                | $2^3 : S_3 \times S_3$             | 288   | 831600  | 3942, 4003, 3938, 4066, 3940, 4005, 4064, 5238 (3), 5181 (3), 5921 (4)       | 208, 353, 446, 792, 994, 1169, 1170, 1599                   |
| 2509                                | $A_4 \times 2 \times 2 : S_3$      | 288   | 138600  | 4168 (3), 3941 (3), 4166, 5429 (3), 5293 (6), 5192 (3), 6046 (4)             | 210, 793, 1041, 1174, 1601 (3), 1602 (3), 1603              |
| 2510                                | $A_4 \times 2 \times 2 : S_3$      | 288   | 415800  | 4169 (2), 3940 (2), 3941, 4171, 4170, 5441 (3), 5294 (6), 5194 (3), 6047 (4) | 211, 794, 1059, 1173 (2), 1599, 1602, 1606                  |
| 2511                                | $2^3 : S_3 \times S_3$             | 288   | 415800  | 3942, 4172, 3939, 4163, 3941, 4165, 4173, 5339 (3), 5195 (3), 6025 (4)       | 212, 795, 800 (2), 1063, 1172 (2), 1599, 1603, 1605         |

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| Nr.                                 | Structure                          | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 2512                                | $2^3 \cdot S_3 : S_3$              | 288   | 415800  | 3941, 4146, 4142, 5198 (3), 5307 (3), 6013 (4)   | 213, 796, 799 (2), 1066, 1601, 1605, 1606                         |
| 2513                                | $A_4 \times 2 \cdot 2 : S_3$       | 288   | 415800  | 4162, 4164, 3941, 5295 (6), 5200 (3), 5340 (3), 6026 (4)                                   | 214, 797, 801 (2), 1068, 1602, 1604, 1605                         |
| 2514                                | $2^3 \times S_3 : S_3$             | 288   | 415800  | 4176, 3941, 3942 (2), 4174, 4175 (2), 5201 (3), 5448 (3), 6048 (4)                         | 215, 798, 1070, 1603, 1604, 1606                                  |
| 2515                                | $2^3 \times S_3 : S_3$             | 288   | 831600  | 3943, 3944, 4229, 4183, 4236, 4221, 4137, 5172 (3), 5585 (3), 5853 (4)                     | 244 (2), 1073, 1254, 1624   |
| 2516                                | $2^3 \times S_3 : S_3$             | 288   | 1663200 | 3951, 3948, 3947, 3946, 3950, 3952, 3945, 5173 (3), 5227 (3), 6049 (4)                     | 248, 1234   |
| 2517                                | $2^4 : 3 : S_3$                    | 288   | 103950  | 4150, 5586, 5587 (3), 9565 (16)  | 253 (4), 1608, 1613 (2), 1614 (2), 1734 (2), 1736, 1737, 1769 (2) |
| 2518                                | $2^4 : 3 : S_3$                    | 288   | 415800  | 4154, 5588, 5589 (3), 9566 (16)  | 254 (2), 1609, 1732, 1777   |
| 2519                                | $2^4 : 3 : S_3$                    | 288   | 207900  | 4150, 5590, 5591 (3), 9567 (16)  | 268 (2), 1228 (2), 1612, 1613, 1614, 1718, 1719, 1770, 1779       |
| 2520                                | $D_{12} \times S_3 : 2 \times 2$   | 288   | 415800  | 4022, 3958, 3977, 3962 (2), 3978 (2), 3979, 3953, 3954 (2), 3957, 3980, 3955 (2), 8115 (9) | 329 (2), 1615, 1647, 1768   |
| 2521                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$ | 288   | 415800  | 3953, 3929, 3956, 4177, 3981, 3967, 3959, 8116 (9)   | 330 (2), 1175, 1615, 1648, 1731                                   |
| 2522                                | $D_8 \times S_3 \times S_3$        | 288   | 415800  | 3960, 3984 (2), 3956, 3968 (2), 3974, 3957, 3966 (2), 3982, 4178, 3983 (2), 3969, 5231 (6) | 331 (2), 1176, 1615, 1649, 1717                                   |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups   | Minimal Overgroups                         |
| 2523                                | $S_3 \times 2^2 \times S_3 : 2$    | 288   | 138600 | 3958 (3), 3976 (3),<br>3985 (3), 3961 (3),<br>3956, 3970, 4179,<br>8117 (9)     | 332 (2), 1177, 1615<br>(3), 1650, 1715 (3) |
| 2524                                | $D_{12} \times S_3 \cdot 2 : 2$    | 288   | 415800 | 3961, 3960, 3932,<br>3953, 3986, 4180,<br>3987, 8118 (9)                        | 333 (2), 1615, 1651,<br>1767               |
| 2525                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$ | 288   | 415800 | 3973, 4145, 3988,<br>3958, 3959, 3989,<br>3960, 8119 (9)                        | 334 (2), 1615, 1652,<br>1727               |
| 2526                                | $Q_{12} : S_3 : 2 : 2$             | 288   | 415800 | 3959, 3961, 3975,<br>3957, 3990, 4181,<br>3991, 8120 (9)                        | 335 (2), 1615, 1653,<br>1726               |
| 2527                                | $2^2 : S_3 : S_3 : 2$              | 288   | 415800 | 4177, 3932, 3988,<br>3977, 3969, 3970,<br>3990, 8121 (9)                        | 338 (2), 1178, 1615,<br>1656, 1716         |
| 2528                                | $D_8 \times (3 : S_3 \cdot 2)$     | 288   | 415800 | 4178, 3975, 3989,<br>3980, 3967, 3970,<br>3987, 8122 (9)                        | 340 (2), 1179, 1615,<br>1657, 1730         |
| 2529                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$ | 288   | 415800 | 4179, 3973, 3986,<br>3979, 3969, 3967,<br>3991, 8123 (9)                        | 341 (2), 1180, 1615,<br>1658, 1729         |
| 2530                                | $D_{24} : S_3 : 2$                 | 288   | 415800 | 4145, 3976, 3981,<br>3979, 3982, 3987,<br>3990, 8124 (9)                        | 346 (2), 1615, 1659,<br>1765               |
| 2531                                | $S_3 \times S_3 : 2 \times 2 : 2$  | 288   | 415800 | 3989, 3985, 3929,<br>3977, 3982, 4180,<br>3991, 8125 (9)                        | 347 (2), 1615, 1661,<br>1728               |
| 2532                                | $S_3 \times S_3 : 2 \times 2 : 2$  | 288   | 415800 | 3988, 3985, 3974,<br>3980, 3981, 4181,<br>3986, 8126 (9)                        | 348 (2), 1615, 1660,<br>1766               |
| 2533                                | $2^3 : S_3 \times S_3$             | 288   | 831600 | 3995, 4204, 3994,<br>4215, 3992, 4067,<br>4057, 5221 (3), 5177<br>(3), 5931 (4) | 351, 466, 974, 990,<br>1181, 1618          |
| 2534                                | $2^3 \times S_3 : S_3$             | 288   | 277200 | 3992, 4192, 4187,<br>4143, 4189, 4002,<br>3999, 5236 (3), 5180<br>(3), 5944 (4) | 352, 992 (3), 1183,<br>1618 (3)            |
| 2535                                | $2^3 \times S_3 : S_3$             | 288   | 831600 | 4144, 4218, 3992,<br>4006, 4217, 4220,<br>4004, 5182 (3), 5238<br>(3), 5945 (4) | 353, 993, 1182, 1618                       |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups                            |
| 2536                                | $2^3 \times S_3 : S_3$ | 288   | 831600 | 4147, 3999, 3994, 4210, 4222, 4004, 4209, 5182 (3), 5405 (3), 5946 (4) | 357, 995, 1014, 1182, 1618                    |
| 2537                                | $2^3 \times S_3 : S_3$ | 288   | 415800 | 4000 (2), 3993, 4163, 4003 (2), 4171, 5181 (3), 5405 (3), 5927 (4)     | 357 (2), 807, 996, 1170 (2), 1599, 1680, 1684 |
| 2538                                | $2^3 \times 6 : S_3$   | 288   | 831600 | 4006, 4223, 4002, 4208, 3994, 4205, 4148, 5180, 5406 (3), 5947 (4)     | 358, 975, 997, 1183, 1618                     |
| 2539                                | $2^3 \times 6 : S_3$   | 288   | 415800 | 4165, 4170, 4001 (2), 3993, 4005 (2), 5179, 5406 (3), 5928 (4)         | 358 (2), 808, 998, 1171 (2), 1599, 1681, 1685 |
| 2540                                | $2^3 \times S_3 : S_3$ | 288   | 831600 | 3995, 4071, 4002, 4061, 4004, 4237, 4235, 5240 (3), 5196 (3), 5932 (4) | 361, 467, 1003, 1188, 1618                    |
| 2541                                | $2^3 \times S_3 : S_3$ | 288   | 831600 | 4066, 4053, 4001, 3996, 4169, 4172, 4003, 5195 (3), 5240 (3), 5933 (4) | 361, 468, 809, 1001, 1172, 1189, 1599         |
| 2542                                | $2^3 \times S_3 : S_3$ | 288   | 831600 | 4226, 4228, 3999, 3995, 4069, 4060, 4006, 5193 (3), 5242 (3), 5934 (4) | 362, 469, 668 (2), 1000, 1187, 1618           |
| 2543                                | $2^3 \times S_3 : S_3$ | 288   | 831600 | 4005, 4173, 4000, 4064, 3996, 4055, 4169, 5194 (3), 5242 (3), 5933 (4) | 362, 470, 810, 1001, 1173, 1186, 1599         |
| 2544                                | $2^3 \times S_3 : S_3$ | 288   | 831600 | 4225, 3997, 4068, 4224, 4014, 4058, 4008, 5204 (3), 5230 (3), 5935 (4) | 364, 471, 999, 1190, 1625                     |
| 2545                                | $2^3 : S_3 \times S_3$ | 288   | 831600 | 3943, 4007, 3998, 4052, 4203, 4013, 4051, 5230 (3), 5203 (3), 5931 (4) | 364, 472, 990, 1191, 1624                     |
| 2546                                | $2^3 \times S_3 : S_3$ | 288   | 831600 | 3997, 4072, 4010, 4062, 4015, 4233, 4231, 5196 (3), 5241 (3), 5936 (4) | 367, 474, 1002, 1188, 1625                    |

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|-------------------------------------|-------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 2547                                | $2^3 : S_3 \times S_3$        | 288   | 831600 | 4016, 4227, 4009, 4054, 3998, 4065, 4229, 5195 (3), 5241 (3), 5934 (4) | 367, 473, 1000, 1189, 1624  |
| 2548                                | $2^3 : S_3 \times S_3$        | 288   | 831600 | 4018, 3997, 4059, 4011, 4232, 4070, 4230, 5243 (3), 5206 (3), 5936 (4) | 368, 476, 1002, 1194, 1625  |
| 2549                                | $2^3 \times S_3 : S_3$        | 288   | 831600 | 4236, 3998, 4056, 4234, 4017, 4063, 4012, 5243 (3), 5205 (3), 5932 (4) | 368, 475, 1003, 1195, 1624  |
| 2550                                | $A_4 \times 2 \times 2 : S_3$ | 288   | 207900 | 4149, 5191, 5342 (3), 5912 (4), 5948 (4)                               | 370, 669 (4), 813 (2), 1616, 1620, 1622, 1627, 1628, 1637, 1638           |
| 2551                                | $A_4 \times 2 \times 2 : S_3$ | 288   | 207900 | 4150, 5192, 5342 (3), 5911 (4), 5949 (4)                               | 370, 811 (2), 812 (2), 1174 (2), 1617, 1619, 1621, 1626, 1629, 1636, 1639 |
| 2552                                | $A_4 \times 2 \times 2 : S_3$ | 288   | 207900 | 4154, 5208, 5341 (3), 5914 (4), 5950 (4)                               | 378, 814 (2), 1623, 1630, 1633, 1635, 1640, 1642, 1645                    |
| 2553                                | $A_4 \times 2 \times 2 : S_3$ | 288   | 207900 | 4149, 5207, 5341 (3), 5913 (4), 5951 (4)                               | 378, 815 (2), 1622, 1631, 1632, 1634, 1641, 1643, 1644                    |
| 2554                                | $2^3 \times S_3 : S_3$        | 288   | 277200 | 4011, 4188, 4010, 4155, 4008, 4191, 4190, 5210 (3), 5382 (3), 5952 (4) | 379, 1004 (3), 1199, 1625 (3)   |
| 2555                                | $2^3 \times S_3 : S_3$        | 288   | 277200 | 4012, 4156, 4009, 4186, 4007, 4183, 4185, 5209 (3), 5382 (3), 5953 (4) | 379, 1005 (3), 1198, 1624 (3)   |
| 2556                                | $2^3 \times 6 : S_3$          | 288   | 831600 | 4010, 4018, 4240, 4014, 4242, 4157, 4239, 5210, 5401 (3), 5954 (4)     | 380, 1007, 1199, 1625   |
| 2557                                | $2^3 \times 6 : S_3$          | 288   | 831600 | 4009, 4206, 4137, 4219, 4184, 4017, 4013, 5209, 5401 (3), 5939 (4)     | 380, 1006, 1198, 1624   |

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| Nr.                                 | Structure                              | Order | Length  | Maximal Subgroups  | Minimal Overgroups                      |
| 2558                                | $2^3 : S_3 \times S_3$                 | 288   | 831600  | 4016, 4012, 4158, 4013, 4200, 4207, 4221, 5211 (3), 5398 (3), 5955 (4)                                     | 381, 1008, 1197, 1624                   |
| 2559                                | $2^3 : S_3 \times S_3$                 | 288   | 831600  | 4014, 4159, 4238, 4244, 4243, 4011, 4015, 5398 (3), 5212 (3), 5956 (4)                                     | 381, 1009, 1196, 1625                   |
| 2560                                | $2^3 \times S_3 : S_3$                 | 288   | 831600  | 4198, 4160, 3944, 4016, 4007, 4017, 4216, 5211 (3), 5407 (3), 5957 (4)                                     | 382, 1011, 1197, 1624                   |
| 2561                                | $2^3 \times S_3 : S_3$                 | 288   | 831600  | 4015, 4161, 4241, 4245, 4246, 4018, 4008, 5407 (3), 5212 (3), 5958 (4)                                     | 382, 1010, 1196, 1625                   |
| 2562                                | $3 : S_3 \cdot 2 \cdot 2 : 2 \times 2$ | 288   | 1663200 | 4087, 4089, 4088, 4019, 4020, 4086, 3936, 8127 (9)   | 443, 1166, 1229                         |
| 2563                                | $2^3 \times S_3 \times S_3$            | 288   | 138600  | 4026 (3), 4025 (3), 4037 (6), 4264, 4022 (3), 4021, 4035 (2), 4295, 4038 (6), 4023 (3), 4036 (2), 5220 (6) | 447 (6), 1232, 1598 (3), 1646 (3), 1647 |
| 2564                                | $D_8 \times S_3 \times S_3$            | 288   | 415800  | 4073 (2), 4261, 4091 (2), 4090 (2), 4114, 4021, 4024, 4074 (2), 4249, 4177, 4027, 5221 (6)                 | 448 (2), 1167, 1181, 1646, 1648, 1716   |
| 2565                                | $D_8 \times S_3 \times S_3$            | 288   | 415800  | 4028, 4093 (2), 4024, 4127, 4085 (2), 4025, 4339, 4080 (2), 4092 (2), 4178, 4282, 5222 (6)                 | 449 (2), 1202, 1646, 1649, 1730         |
| 2566                                | $2^3 \times S_3 \times S_3$            | 288   | 138600  | 4026 (3), 4029 (3), 4095 (6), 4255 (3), 4094 (6), 4340 (3), 4082 (2), 4083 (2), 4281, 4024, 4179, 5223 (6) | 450 (2), 1203, 1646 (3), 1650, 1729 (3) |

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|-------------------------------------|---|-------|--------|--|-------------------------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups                  |
| 2567                                | $D_8 \times S_3 \times S_3$             | 288   | 415800 | 4028, 4292, 4029, 4097 (2), 4096 (2), 4124, 4021, 4099 (2), 4098 (2), 4265, 4180, 5224 (6)         | 451 (2), 1230, 1646, 1651, 1728     |
| 2568                                | $2 \times 4 \times S_3 \times S_3$      | 288   | 415800 | 4100 (2), 4341, 4103 (2), 4027, 4102 (2), 4026, 4101 (2), 4145, 4342, 4028, 4117, 5225 (6)         | 452 (2), 1646, 1652, 1765           |
| 2569                                | $D_8 \times S_3 \times S_3$             | 288   | 415800 | 4029, 4107 (2), 4027, 4118, 4106 (2), 4105 (2), 4025, 4343, 4104 (2), 4181, 4344, 5226 (6)         | 453 (2), 1646, 1653, 1766           |
| 2570                                | $3 : S_3 \cdot 2 \times 2 : 2 \times 2$ | 288   | 138600 | 3953 (3), 4033 (3), 4077, 4030 (3), 4345 (3), 4021, 4300, 8128 (9)                                 | 455, 1213, 1647, 1648 (3), 1651 (3) |
| 2571                                | $3 : S_3 \cdot 2 \times 2 \times 2 : 2$ | 288   | 415800 | 3954 (2), 4256, 4280 (2), 4031 (2), 4046, 4022, 4257, 4047, 4032 (2), 4259, 4030, 8129 (9)         | 456, 1201 (4), 1647, 1654, 1655     |
| 2572                                | $S_3 \times 2^2 \times S_3 : 2$         | 288   | 415800 | 4023, 3955 (2), 4034 (2), 3977, 4346, 4032 (2), 4347 (2), 4030, 4109, 4348, 4108, 8130 (9)         | 457, 1647, 1656, 1661               |
| 2573                                | $3 : S_3 \cdot 2 \times 2 \times 2 : 2$ | 288   | 138600 | 4324 (3), 4349 (3), 4033 (3), 4045, 4024, 4075 (3), 3956, 8131 (9)                                 | 458, 1204, 1648 (3), 1649 (3), 1650 |
| 2574                                | $S_3 \times 2^2 \times S_3 : 2$         | 288   | 415800 | 4025, 3978 (2), 4109, 3957, 4032 (2), 4350, 4110 (2), 4351, 4033, 4352 (2), 4046, 8132 (9)         | 459, 1647, 1649, 1653               |
| 2575                                | $D_{12} \times S_3 : 2 \times 2$        | 288   | 415800 | 3962, 4108, 4353, 4026, 3958, 4354, 4033, 4031, 4047, 4110, 4355, 4356, 4357, 4034, 4078, 8133 (9) | 460, 1647, 1650, 1652               |

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|-------------------------------------|---|-------|---------|--|---|
| Nr.                                 | Structure                               | Order | Length  | Maximal Subgroups  | Minimal Overgroups                            |
| 2576                                | $Q_{12} : S_3 \cdot 2 : 2$              | 288   | 415800  | 4325, 4033, 3959, 4027, 4358, 4048, 4042, 8134 (9)   | 461, 1648, 1652, 1653                         |
| 2577                                | $Q_{12} : S_3 : 2 : 2$                  | 288   | 415800  | 4043, 4049, 4359, 4033, 4337, 3960, 4028, 8135 (9)   | 462, 1649, 1651, 1652                         |
| 2578                                | $3 : S_3 \cdot 2 \times 2 \times 2 : 2$ | 288   | 415800  | 4033, 4360 (2), 4361 (2), 4034 (2), 4079 (2), 4076, 4029, 3961, 4338, 4050, 4362, 8136 (9) | 463, 1650, 1651, 1653                         |
| 2579                                | $2^3 \times S_3 : S_3$                  | 288   | 415800  | 4053 (2), 4165, 4039, 4064 (2), 4171, 5222 (3), 5348 (3), 5927 (4)                         | 464 (2), 817, 996, 1202 (2), 1599, 1683, 1687 |
| 2580                                | $A_4 \times 2 \times 2 \times S_3$      | 288   | 415800  | 4055 (2), 4170, 4163, 4066 (2), 4039, 5223, 5358 (3), 5928 (4)                             | 465 (2), 816, 998, 1203 (2), 1599, 1682, 1686 |
| 2581                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$      | 288   | 415800  | 4114, 3929, 4119, 4030, 4075, 4128, 4042, 8137 (9)   | 477, 531 (2), 1648, 1654, 1661                |
| 2582                                | $12 : S_3 \cdot 2 : 2$                  | 288   | 415800  | 4117, 3973, 4129, 4047, 4042, 4121, 4043, 8138 (9)   | 478, 532 (2), 1652, 1654, 1658                |
| 2583                                | $D_8 \times (3 : S_3 \cdot 2)$          | 288   | 415800  | 4046, 3975, 4120, 4118, 4076, 4042, 4130, 8138 (9)   | 479, 532 (2), 1653, 1654, 1657                |
| 2584                                | $Q_{12} : S_3 : 2 : 2$                  | 288   | 415800  | 3974, 4046, 4131, 4127, 4133, 4075, 4043, 8139 (9)   | 480, 533 (2), 1649, 1654, 1660                |
| 2585                                | $Q_{12} : S_3 : 2 : 2$                  | 288   | 415800  | 4134, 4076, 3932, 4124, 4132, 4030, 4043, 8140 (9)   | 481, 534 (2), 1651, 1654, 1656                |
| 2586                                | $2^3 \times S_3 : S_3$                  | 288   | 1663200 | 4084, 4138, 4139, 4283, 4287, 4044, 4081, 5242 (3), 5294 (3), 5934 (4)                     | 482, 668, 1173                                |
| 2587                                | $Q_{12} : S_3 : 2 : 2$                  | 288   | 415800  | 3928, 4030, 4045, 4177, 4048, 4267, 4363, 8141 (9)   | 483, 1200, 1648, 1655, 1656                   |
| 2588                                | $D_8 \times (3 : S_3 \cdot 2)$          | 288   | 415800  | 4049, 4045, 4328, 4046, 4364, 4178, 4269, 8142 (9)   | 484, 1206, 1649, 1655, 1657                   |

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| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups   | Minimal Overgroups                     |
| 2589                                | $3 : S_3 \cdot 2 \times 2 \times 2 : 2$ | 288   | 138600 | 4047 (3), 4326 (3),<br>4365 (3), 4050 (3),<br>4045, 4270, 4179,<br>8143 (9)     | 485, 1207, 1650, 1655<br>(3), 1658 (3) |
| 2590                                | $3 : S_3 \cdot 2 \times 2 \cdot 2 : 2$  | 288   | 415800 | 4050, 4049, 4180,<br>4030, 4366, 3933,<br>4367, 8144 (9)                        | 486, 1651, 1655, 1661                  |
| 2591                                | $Q_{12} : S_3 \cdot 2 : 2$              | 288   | 415800 | 4151, 4145, 4152,<br>4047, 4048, 4153,<br>4049, 8145 (9)                        | 487, 818 (4), 1652,<br>1655, 1659      |
| 2592                                | $Q_{12} : S_3 \cdot 2 : 2$              | 288   | 415800 | 4050, 4048, 4327,<br>4046, 4368, 4181,<br>4369, 8146 (9)                        | 488, 1653, 1655, 1660                  |
| 2593                                | $2^3 : S_3 \times S_3$                  | 288   | 831600 | 4158, 4156, 4054,<br>4056, 4160, 4137,<br>4051, 5237 (3), 5344<br>(3), 5944 (4) | 489, 819 (2), 992,<br>1222, 1624       |
| 2594                                | $2^3 : S_3 \times S_3$                  | 288   | 831600 | 4219, 4065, 4051,<br>4185, 4221, 4063,<br>4216, 5239 (3), 5592<br>(3), 5945 (4) | 490, 993, 1257, 1624                   |
| 2595                                | $2^3 : S_3 \times S_3$                  | 288   | 831600 | 4198, 4063, 4054,<br>4184, 4200, 4052,<br>4183, 5593 (3), 5231<br>(3), 5946 (4) | 491, 995, 1016 (2),<br>1176, 1624      |
| 2596                                | $A_4 \times 2 \times 2 \times S_3$      | 288   | 831600 | 4052, 4186, 4065,<br>3944, 4056, 4206,<br>4207, 5232, 5594 (3),<br>5947 (4)     | 492, 997, 1255, 1624                   |
| 2597                                | $2^3 : S_3 \times S_3$                  | 288   | 831600 | 4157, 4062, 4059,<br>4155, 4161, 4058,<br>4159, 5343 (3), 5245<br>(3), 5952 (4) | 493, 821 (2), 1004,<br>1223, 1625      |
| 2598                                | $2^3 \times S_3 : S_3$                  | 288   | 831600 | 4061, 4148, 4060,<br>4143, 4057, 4144,<br>4147, 5314 (3), 5244<br>(3), 5953 (4) | 494, 820 (2), 1005,<br>1217, 1618      |
| 2599                                | $A_4 \times 2 \times 2 \times S_3$      | 288   | 831600 | 4218, 4187, 4205,<br>4067, 4060, 4071,<br>4210, 5220, 5389 (3),<br>5939 (4)     | 495, 1006, 1023,<br>1232, 1618         |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups          |
| 2600                                | $A_4 \times 2 \times 2 \times S_3$ | 288   | 831600 | 4241, 4188, 4072, 4068, 4238, 4240, 4059, 5229, 5595 (3), 5954 (4)   | 496, 1007, 1260, 1625       |
| 2601                                | $2^3 \times S_3 : S_3$             | 288   | 831600 | 4067, 4189, 4208, 4220, 4209, 4061, 4069, 5390 (3), 5224 (3), 5955 (4)                                       | 497, 1008, 1020, 1230, 1618 |
| 2602                                | $2^3 \times S_3 : S_3$             | 288   | 831600 | 4243, 4190, 4062, 4070, 4245, 4239, 4068, 5596 (3), 5233 (3), 5956 (4)                                       | 498, 1009, 1261, 1625       |
| 2603                                | $2^3 \times S_3 : S_3$             | 288   | 831600 | 4070, 4191, 4072, 4244, 4058, 4242, 4246, 5246 (3), 5597 (3), 5958 (4)                                       | 499, 1010, 1262, 1625       |
| 2604                                | $2^3 : S_3 \times S_3$             | 288   | 831600 | 4217, 4192, 4223, 4057, 4069, 4071, 4222, 5247 (3), 5598 (3), 5957 (4)                                       | 500, 1011, 1231, 1618       |
| 2605                                | $D_8 \times S_3 \times S_3$        | 288   | 831600 | 4096, 4370, 4035, 4262, 4104, 4193, 4073, 4251, 4080, 4115, 4101, 4289, 4247, 4250, 4082, 5238 (3), 5405 (3) | 501, 1170, 1182, 1646       |
| 2606                                | $D_8 \times 6 \times S_3$          | 288   | 831600 | 4083, 4263, 4103, 4105, 4290, 4116, 4036, 4073, 4248, 4251, 4252, 4085, 4194, 4099, 4371, 5236, 5406 (3)     | 502, 1171, 1183, 1646       |
| 2607                                | $D_8 \times S_3 \times S_3$        | 288   | 831600 | 4037, 4372, 4126, 4284, 4285, 4247, 4194, 4102, 4106, 4098, 4085, 4082, 4074, 4373, 4374, 5240 (3), 5339 (3) | 503, 1172, 1646             |
| 2608                                | $2^3 \times S_3 : S_3$             | 288   | 831600 | 4038, 4375, 4376, 4083, 4074, 4284, 4248, 4377, 4125, 4107, 4193, 4288, 4080, 4100, 4097, 5441 (3), 5242 (3) | 504, 1173, 1646             |

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| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups  | Minimal Overgroups                  |
| 2609                                | $D_8 \times (3 : S_3 \cdot 2)$               | 288   | 415800 | 4045, 3967, 4077, 4249, 4378, 4291, 4042, 8147 (9)   | 505, 1184, 1185, 1648, 1657, 1658   |
| 2610                                | $3 : S_3 \cdot 2 \times 2 \times 2 : 2$      | 288   | 415800 | 4078 (2), 4278 (2), 4258, 4079 (2), 3976, 4279 (2), 4047, 4076, 4260, 4255, 4075, 8148 (9)                   | 506, 1205 (4), 1650, 1654, 1659     |
| 2611                                | $D_{12} \times S_3 \cdot 2 : 2$              | 288   | 415800 | 4266, 4077, 3981, 4261, 4379, 4048, 4075, 8149 (9)   | 507, 1208, 1648, 1659, 1660         |
| 2612                                | $S_3 \times 2^2 \times S_3 : 2$              | 288   | 138600 | 4047 (3), 3979 (3), 4109 (3), 4380 (3), 4271, 4077, 4264, 8150 (9)   | 508, 1209, 1647, 1658 (3), 1659 (3) |
| 2613                                | $D_8 \times (3 : S_3 \cdot 2)$               | 288   | 415800 | 4268, 4077, 4049, 4265, 4076, 3987, 4381, 8151 (9)   | 509, 1210, 1651, 1657, 1659         |
| 2614                                | $2^2 : S_3 : S_3 : 2$                        | 288   | 415800 | 3969, 4282, 4043, 4045, 4382, 4109, 4330, 8152 (9)   | 510, 1211, 1649, 1656, 1658         |
| 2615                                | $3 : S_3 \cdot 2 \times 2 \times 2 \times 2$ | 288   | 138600 | 3970, 4076 (3), 4108 (3), 4281, 4332 (3), 4383 (3), 4045, 8153 (9)   | 511, 1212, 1650, 1656 (3), 1657 (3) |
| 2616                                | $Q_{12} : S_3 : 2 : 2$                       | 288   | 415800 | 4043, 4077, 4384, 4050, 3986, 4306, 4292, 8154 (9)   | 512, 1214, 1651, 1658, 1660         |
| 2617                                | $2^2 \times 6 : S_3 \cdot 2$                 | 288   | 138600 | 4046 (3), 4385 (3), 3980 (3), 4303, 4295, 4108 (3), 4077, 8155 (9)   | 513, 1215, 1647, 1657 (3), 1660 (3) |
| 2618                                | $D_8 \times S_3 \times S_3$                  | 288   | 831600 | 4102, 4093, 4094, 4294, 4293, 4099, 4035, 4386, 4195, 4107, 4263, 4289, 4091, 4372, 4125, 5409 (3), 5249 (3) | 514, 1233, 1646                     |
| 2619                                | $2^3 : S_3 \times S_3$                       | 288   | 831600 | 4095, 4092, 4100, 4126, 4387, 4091, 4036, 4293, 4290, 4106, 4376, 4196, 4096, 4262, 4297, 5227 (3), 5412 (3) | 515, 1234, 1646                     |

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| Nr.                                 | Structure                                   | Order | Length  | Maximal Subgroups   | Minimal Overgroups           |
| 2620                                | $D_8 \times S_3 \times S_3$                 | 288   | 831600  | 4094, 4370, 4101,<br>4105, 4116, 4374,<br>4037, 4090, 4388,<br>4386, 4196, 4092,<br>4389, 4097, 4375,<br>5506 (3), 5247 (3) | 516, 1646                    |
| 2621                                | $2 \times 4 : S_3 \times S_3$               | 288   | 831600  | 4103, 4388, 4095,<br>4098, 4371, 4115,<br>4038, 4104, 4377,<br>4373, 4387, 4090,<br>4195, 4093, 4390,<br>5244 (3), 5505 (3) | 517, 1646                    |
| 2622                                | $12 : S_3 \cdot 2 : 2$                      | 288   | 415800  | 4075, 4049, 4333,<br>4109, 4391, 4339,<br>3982, 8156 (9)  | 518, 1649, 1659, 1661        |
| 2623                                | $S_3 \times S_3 : 2 \times 2 \times 2$      | 288   | 415800  | 4108, 4392 (2), 3985,<br>4110 (2), 4050, 4393,<br>4079 (2), 4340, 4394<br>(2), 4334, 4075, 8157<br>(9)                      | 519, 1650, 1660, 1661        |
| 2624                                | $3 : S_3 \cdot 2 \times 2 \cdot 2 \times 2$ | 288   | 415800  | 4335, 4342, 4042,<br>4108, 4395, 4049,<br>3989, 8158 (9)  | 520, 1652, 1657, 1661        |
| 2625                                | $Q_{12} : S_3 \cdot 2 \times 2$             | 288   | 415800  | 4341, 4329, 4043,<br>4108, 3988, 4048,<br>4396, 8159 (9)  | 521, 1652, 1656, 1660        |
| 2626                                | $S_3 \times S_3 : 2 \times 2 : 2$           | 288   | 415800  | 4042, 4050, 4336,<br>4109, 4397, 4343,<br>3991, 8160 (9)  | 522, 1653, 1658, 1661        |
| 2627                                | $Q_{12} : S_3 : 2 : 2$                      | 288   | 415800  | 4048, 4076, 4331,<br>4109, 3990, 4344,<br>4398, 8161 (9)  | 523, 1653, 1656, 1659        |
| 2628                                | $Q_8 \times S_3 : S_3$                      | 288   | 1663200 | 4113, 4111, 4112,<br>5251 (3), 5273 (3),<br>6050 (4)  | 527, 1017, 1019              |
| 2629                                | $D_8 \times S_3 \times S_3$                 | 288   | 415800  | 4022, 4115 (2), 4126<br>(2), 4125 (2), 4116<br>(2), 4118, 4255,<br>4114, 4117, 4127,<br>4124, 5227 (6)                      | 530 (2), 1646, 1654,<br>1768 |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 2630                                | $D_{12} \times S_3 \cdot 2 : 2$ | 288   | 415800 | 3976, 4117, 4132, 4256, 4133, 4119, 4120, 8139 (9)   | 533 (2), 1654, 1715, 1765   |
| 2631                                | $D_{24} : S_3 : 2$              | 288   | 415800 | 3932, 4114, 4121, 4257, 4120, 4258, 4131, 8140 (9)   | 534 (2), 1654, 1716, 1767   |
| 2632                                | $D_8 \times S_3 \times S_3$     | 288   | 415800 | 3974, 4121, 4118, 4122 (2), 4123 (2), 4134, 4259, 4260, 4135 (2), 4136 (2), 4119, 5228 (6) | 535 (2), 1654, 1717, 1766   |
| 2633                                | $2^2 : S_3 : S_3 : 2$           | 288   | 415800 | 3929, 4124, 4129, 4257, 4133, 4260, 4130, 8162 (9)   | 542 (2), 1654, 1728, 1731   |
| 2634                                | $Q_{12} : S_3 : 2 : 2$          | 288   | 415800 | 3973, 4256, 4130, 4255, 4131, 4134, 4128, 8163 (9)   | 543 (2), 1654, 1727, 1729   |
| 2635                                | $S_3 \times 2^2 \times S_3 : 2$ | 288   | 415800 | 3975, 4127, 4129, 4259, 4132, 4258, 4128, 8163 (9)   | 543 (2), 1654, 1726, 1730   |
| 2636                                | $A_4 \times 2 \times 2 : S_3$   | 288   | 831600 | 4167, 5293, 5342 (3), 6008 (4), 5948 (4)   | 669, 824, 1042, 1174, 1664  |
| 2637                                | $A_4 \times 2 \times 2 : S_3$   | 288   | 415800 | 4213, 5296, 5599 (3), 6010 (4), 6051 (4)   | 670 (2), 1028, 1665, 1688, 1692   |
| 2638                                | $2^4 : 3 : 3 \times 2$          | 288   | 415800 | 4213, 5302 (2), 5297, 5303, 6052 (4), 6009 (4)   | 671 (2), 1030, 1077, 1666, 1688, 1694   |
| 2639                                | $A_4 \times 2 \times 2 : S_3$   | 288   | 17325  | 4150, 5323 (6), 5600 (6), 5852 (8)   | 789 (8), 1216 (4), 1600, 1607 (6), 1608 (3), 1611 (3), 1612 (6), 1617 (6), 1667, 1668 (6), 1720, 1738 (3), 1739 (3) |
| 2640                                | $2^4 : 3 : S_3$                 | 288   | 207900 | 4149, 5601 (6), 5345 (3), 5324 (3), 6033 (4), 6012 (4)                                     | 831 (2), 841 (2), 1616, 1631, 1669, 1670, 1679, 1702, 1741  |
| 2641                                | $2^3 \cdot S_3 \times S_3$      | 288   | 415800 | 4142, 4162, 4163, 5306 (3), 5337 (3), 6014 (4)   | 832 (2), 885, 1085, 1605, 1680, 1686  |
| 2642                                | $2^2 \times 12 : S_3$           | 288   | 415800 | 4165, 4142, 4164, 5305, 5338 (3), 6015 (4)   | 833 (2), 887, 1090, 1605, 1681, 1687  |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups                                      | Minimal Overgroups  |
| 2643                                | $2^3 : S_3 \cdot S_3$                | 288   | 415800 | 4146, 4162, 4165, 5308 (3), 5259 (3), 6014 (4)         | 834 (2), 884, 1085, 1605, 1683, 1685  |
| 2644                                | $A_4 \times 2 \cdot 2 \times S_3$    | 288   | 415800 | 4164, 4146, 4163, 5309, 5322 (3), 6015 (4)             | 835 (2), 886, 1090, 1605, 1682, 1684  |
| 2645                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 207900 | 4149, 5316, 5258 (3), 6016 (4), 6051 (4)               | 836 (2), 1620, 1631, 1671, 1672, 1740, 1744, 1747                           |
| 2646                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 34650  | 4150, 5328, 5325 (3), 6020 (4), 6018 (4)               | 837 (4), 839 (4), 1226 (4), 1626 (6), 1629 (6), 1667, 1746 (3), 1754 (3)    |
| 2647                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 207900 | 4149, 5348, 5326 (3), 6011 (4), 6017 (4)               | 838 (2), 844 (2), 1627, 1632, 1669, 1671, 1674, 1713, 1752                  |
| 2648                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 207900 | 4149, 5327, 5349 (3), 6019 (4), 6036 (4)               | 840 (2), 845 (2), 1628, 1634, 1669, 1672, 1676, 1707, 1757                  |
| 2649                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 103950 | 4154, 5346 (6), 5602 (6), 6032 (8)                     | 842 (4), 1609 (2), 1610 (2), 1630 (2), 1673, 1678 (2), 1750, 1764           |
| 2650                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 207900 | 4154, 5347, 5350 (3), 6034 (4), 6035 (4)               | 843 (2), 846 (2), 1633, 1635, 1673, 1675, 1677, 1755, 1759                  |
| 2651                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 207900 | 4149, 5351 (3), 5603 (6), 5288 (3), 6053 (4), 6021 (4) | 847 (2), 1634, 1637, 1670, 1671, 1710, 1743, 1758                           |
| 2652                                | $2^4 : 3 : S_3$                      | 288   | 103950 | 4150, 5604 (6), 5352 (6), 6022 (8)                     | 848 (4), 1224 (2), 1614 (2), 1626 (2), 1636 (2), 1668, 1718 (2), 1745, 1753 |
| 2653                                | $A_4 \times 2 \times 2 : 3 \times 2$ | 288   | 207900 | 4149, 5605 (2), 5606, 5354, 6054 (4), 6024 (4)         | 849 (2), 1632, 1638, 1670, 1672, 1705, 1742, 1751                           |
| 2654                                | $A_4 \times 2 \times 2 : 3 \times 2$ | 288   | 103950 | 4150, 5353 (2), 5607 (2), 6023 (8)                     | 850 (4), 1225 (2), 1613 (2), 1629 (2), 1639 (2), 1668, 1719 (2), 1748, 1753 |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups                                      |
| 2655                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 207900 | 4149, 5178, 5608 (3),<br>6006 (4), 6055 (4)                    | 851 (2), 1616, 1641,<br>1674, 1676, 1740,<br>1742, 1743 |
| 2656                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 207900 | 4154, 5313, 5609 (3),<br>6037 (4), 6056 (4)                    | 852 (2), 1630, 1640,<br>1675, 1677, 1749,<br>1761, 1763 |
| 2657                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 207900 | 4149, 5610 (6), 5356<br>(3), 5611 (3), 6038<br>(4), 6057 (4)   | 853 (2), 1627, 1643,<br>1676, 1679, 1710,<br>1744, 1751 |
| 2658                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 207900 | 4154, 5612 (6), 5355<br>(3), 5613 (3), 6039<br>(4), 6058 (4)   | 854 (2), 1635, 1642,<br>1677, 1678, 1756,<br>1762, 1763 |
| 2659                                | $2^4 : 3 : 3 \times 2$               | 288   | 207900 | 4149, 5614 (2), 5358,<br>5615, 6059 (4), 6007<br>(4)           | 855 (2), 1628, 1644,<br>1674, 1679, 1705,<br>1747, 1758 |
| 2660                                | $A_4 \times 2 \times 2 : 3 \times 2$ | 288   | 207900 | 4154, 5616 (2), 5617,<br>5357, 6060 (4), 6040<br>(4)           | 856 (2), 1633, 1645,<br>1675, 1678, 1756,<br>1760, 1761 |
| 2661                                | $2^3 \times 6 : S_3$                 | 288   | 415800 | 3993, 4166, 4142,<br>5323, 5430 (3), 6061<br>(4)               | 857, 1043, 1216,<br>1601, 1680, 1681                    |
| 2662                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 415800 | 4146, 4166, 4039,<br>5429, 5342 (3), 6061<br>(4)               | 858, 1043, 1174,<br>1601, 1682, 1683                    |
| 2663                                | $2^3 \times 6 : S_3$                 | 288   | 415800 | 4171, 4162, 4166,<br>5427 (3), 5422 (6),<br>5352 (3), 6062 (4) | 864, 1039, 1224,<br>1602, 1680, 1683                    |
| 2664                                | $2^4 : 3 : S_3$                      | 288   | 831600 | 4167, 5425 (6), 5422<br>(3), 5352 (3), 6038<br>(4), 6063 (4)   | 865, 1037, 1224, 1664                                   |
| 2665                                | $A_4 \times 2 \times 2 \times S_3$   | 288   | 138600 | 4163 (3), 4166, 4176<br>(3), 5431, 5353 (3),<br>6064 (4)       | 866, 1045, 1225,<br>1603, 1680 (3), 1682<br>(3)         |
| 2666                                | $2^3 \times 6 : S_3$                 | 288   | 138600 | 4174 (3), 4165 (3),<br>4166, 5328, 5434 (3),<br>6064 (4)       | 867, 1045, 1226,<br>1603, 1681 (3), 1683<br>(3)         |
| 2667                                | $A_4 \times 2 \times 2 : S_3$        | 288   | 277200 | 4167, 5328, 5432 (3),<br>6011 (4), 6065 (4)                    | 868, 1044, 1226, 1664<br>(3)                            |
| 2668                                | $D_8 \times (A_4 \times 3)$          | 288   | 415800 | 4166, 4164, 4170,<br>5432 (2), 5434, 5325,<br>6066 (4)         | 869, 1046, 1226,<br>1602, 1681, 1682                    |

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|-------------------------------------|-------------------------------|-------|--------|--|-----------------------------|
| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups          |
| 2669                                | $2^3 \cdot S_3 : S_3$         | 288   | 415800 | 4039, 4168, 4142, 5464 (3), 5345 (3), 6067 (4)                     | 874, 1080, 1601, 1686, 1687 |
| 2670                                | $2^3 \cdot S_3 : S_3$         | 288   | 415800 | 3993, 4168, 4146, 5465 (3), 5257 (3), 6067 (4)                     | 875, 1080, 1601, 1684, 1685 |
| 2671                                | $2^3 \times 6 : S_3$          | 288   | 415800 | 4168, 4162, 4170, 5475 (3), 5473 (6), 5269 (3), 6068 (4)           | 876, 1084, 1602, 1685, 1686 |
| 2672                                | $A_4 \times 2 \cdot 2 : S_3$  | 288   | 415800 | 4168, 4164, 4171, 5472 (3), 5470 (6), 5363 (3), 6069 (4)           | 877, 1083, 1602, 1684, 1687 |
| 2673                                | $2^3 \times S_3 : S_3$        | 288   | 415800 | 4175 (2), 4163, 4173 (2), 4168, 4174, 5482 (3), 5365 (3), 6070 (4) | 878, 1089, 1603, 1684, 1686 |
| 2674                                | $2^3 \times S_3 : S_3$        | 288   | 415800 | 4176, 4165, 4172 (2), 4168, 4175 (2), 5344 (3), 5483 (3), 6070 (4) | 879, 1089, 1603, 1685, 1687 |
| 2675                                | $2^3 \times S_3 : S_3$        | 288   | 415800 | 3993, 4162, 4176, 5271 (3), 5479 (3), 6071 (4)                     | 880, 1087, 1604, 1680, 1685 |
| 2676                                | $2^3 \times S_3 : S_3$        | 288   | 415800 | 4039, 4174, 4162, 5356 (3), 5478 (3), 6071 (4)                     | 881, 1087, 1604, 1683, 1686 |
| 2677                                | $A_4 \times 2 \cdot 2 : S_3$  | 288   | 415800 | 4164, 4176, 4039, 5486, 5349 (3), 6072 (4)                         | 882, 1092, 1604, 1682, 1687 |
| 2678                                | $2^2 \times 12 : S_3$         | 288   | 415800 | 3993, 4174, 4164, 5330, 5487 (3), 6072 (4)                         | 883, 1092, 1604, 1681, 1684 |
| 2679                                | $2^3 \times S_3 : S_3$        | 288   | 415800 | 4171, 4142, 4176, 5477 (3), 5371 (3), 6073 (4)                     | 888, 1086, 1606, 1680, 1687 |
| 2680                                | $2^3 \times 6 : S_3$          | 288   | 415800 | 4170, 4142, 4174, 5332, 5485 (3), 6074 (4)                         | 889, 1091, 1606, 1681, 1686 |
| 2681                                | $A_4 \times 2 \times 2 : S_3$ | 288   | 415800 | 4176, 4146, 4170, 5484, 5260 (3), 6074 (4)                         | 890, 1091, 1606, 1682, 1685 |
| 2682                                | $2^3 : S_3 : S_3$             | 288   | 415800 | 4171, 4146, 4174, 5476 (3), 5370 (3), 6073 (4)                     | 891, 1086, 1606, 1683, 1684 |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups                   |
| 2683                                | $D_8 \times S_3 \times S_3$   | 288   | 415800  | 4145, 4195 (2), 4179, 4178, 4196 (2), 4194 (2), 4022, 4177, 4193 (2), 4181, 4180, 5236 (6) | 979 (4), 1168, 1615, 1646, 1655      |
| 2684                                | $2^3 \times S_3 : S_3$        | 288   | 1663200 | 4197, 4202, 4182, 4140, 4141, 4201, 4199, 5380 (3), 5408 (3), 5946 (4)                     | 1014, 1015, 1016                     |
| 2685                                | $2^3 \times S_3 : S_3$        | 288   | 831600  | 4203, 4207, 4156, 4184, 4216, 4234, 4229, 5397 (3), 5585 (3), 6050 (4)                     | 1017 (2), 1018, 1254, 1624           |
| 2686                                | $2^3 \times S_3 : S_3$        | 288   | 831600  | 4204, 4208, 4143, 4210, 4217, 4235, 4228, 5410 (3), 5409 (3), 6050 (4)                     | 1018, 1019, 1233, 1618               |
| 2687                                | $2^3 \times 6 : S_3$          | 288   | 831600  | 4209, 4192, 4144, 4237, 4226, 4205, 4204, 5411 (3), 5173 (6), 5412 (3), 6075 (4)           | 1021, 1022, 1234, 1618               |
| 2688                                | $2^3 \times 6 : S_3$          | 288   | 831600  | 4200, 4160, 4185, 4236, 4227, 4206, 4203, 5400 (3), 5399 (6), 5618 (3), 6075 (4)           | 1022, 1256, 1624                     |
| 2689                                | $2^4 : 3 : S_3$               | 288   | 831600  | 4212, 5619, 5413 (3), 9568 (16)  | 1026, 1689                           |
| 2690                                | $2^4 : 3 : S_3$               | 288   | 277200  | 4211, 5620, 5414 (3), 9569 (16)  | 1027, 1227, 1690 (3)                 |
| 2691                                | $2^3 \times 6 : S_3$          | 288   | 138600  | 4214, 5620, 5415 (3), 6010 (12)  | 1028, 1227, 1662 (3), 1691 (3), 1695 |
| 2692                                | $2^3 \times 6 : 3 : 2$        | 288   | 415800  | 4214, 5415, 5414 (2), 5621, 6009 (4)   | 1030, 1227, 1662, 1693, 1696         |
| 2693                                | $2^4 : 3 : S_3$               | 288   | 831600  | 4211, 5418, 5591 (3), 9570 (16)  | 1032, 1228, 1690                     |
| 2694                                | $2^4 : 3 : S_3$               | 288   | 831600  | 4212, 5622 (3), 5394 (6), 5417 (3), 5861 (8)   | 1033, 1689                           |
| 2695                                | $A_4 \times 2 \times 2 : S_3$ | 288   | 415800  | 4213, 5623 (3), 5416 (6), 5421 (3), 6076 (4), 6053 (4)                                     | 1034, 1665, 1694, 1699               |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                   |
| 2696                                | $2^4 : 3 : S_3$               | 288   | 138600 | 4214, 5418 (6), 5590 (3), 5420 (3), 6076 (12)                          | 1034, 1228, 1693 (3), 1695, 1700 (3) |
| 2697                                | $A_4 \times 2 \times 2 : S_3$ | 288   | 415800 | 4213, 5624, 5419 (3), 6077 (4), 6078 (4)                               | 1035, 1666, 1692, 1699               |
| 2698                                | $2^4 : 3 : S_3$               | 288   | 415800 | 4214, 5420, 5591 (3), 6078 (4)   | 1035, 1228, 1691, 1696, 1700         |
| 2699                                | $2^4 : 3 : S_3$               | 288   | 415800 | 4214, 5604 (3), 5427 (3), 5425 (6), 6063 (8), 6079 (4)                 | 1037, 1224, 1691, 1693, 1697         |
| 2700                                | $2^4 : 3 : S_3$               | 288   | 415800 | 4213, 5424 (6), 5423 (3), 5625 (3), 6079 (4), 6038 (4)                 | 1037, 1692, 1694, 1698               |
| 2701                                | $A_4 \times 2 \times 2 : S_3$ | 288   | 831600 | 4211, 5422 (6), 5604 (3), 5425 (3), 6080 (8)                           | 1038, 1224, 1690                     |
| 2702                                | $2^4 : 3 : S_3$               | 288   | 831600 | 4212, 5426, 5626 (3), 9571 (16)  | 1040, 1689                           |
| 2703                                | $2^3 \times 6 : S_3$          | 288   | 415800 | 4214, 5600, 5430 (3), 6008 (8), 6081 (4)                               | 1042, 1216, 1662, 1697, 1700         |
| 2704                                | $A_4 \times 2 \times 2 : S_3$ | 288   | 415800 | 4213, 5428, 5627 (3), 6081 (4), 5948 (4)                               | 1042, 1688, 1698, 1699               |
| 2705                                | $2^4 : 3 \times S_3$          | 288   | 138600 | 4214, 5431, 5607 (3), 6065 (8), 6082 (12)                              | 1044, 1225, 1695, 1696 (3), 1697 (3) |
| 2706                                | $A_4 \times 2 \times 2 : S_3$ | 288   | 415800 | 4213, 5628, 5433 (3), 6011 (4), 6082 (4)                               | 1044, 1665, 1666, 1698               |
| 2707                                | $2^3 \times S_3 : S_3$        | 288   | 831600 | 4226, 4218, 4189, 4148, 4222, 4215, 4235, 5249 (3), 5410 (3), 6083 (4) | 1072, 1233, 1618                     |
| 2708                                | $2^3 \times S_3 : S_3$        | 288   | 831600 | 4186, 4227, 4158, 4219, 4234, 4198, 3943, 5618 (3), 5449 (3), 6083 (4) | 1072, 1256, 1624                     |
| 2709                                | $2^3 \times S_3 : S_3$        | 288   | 831600 | 4228, 4223, 4187, 4220, 4147, 4237, 4215, 5227 (3), 5411 (3), 5853 (4) | 1073, 1234, 1618                     |
| 2710                                | $2^3 \times S_3 : S_3$        | 288   | 831600 | 4224, 4157, 4231, 4244, 4232, 4190, 4241, 5629 (3), 5450 (3), 6084 (4) | 1074, 1258, 1625                     |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                             |
| 2711                                | $2^3 : S_3 \times S_3$        | 288   | 831600 | 4242, 4230, 4188, 4245, 4233, 4159, 4224, 5451 (3), 5630 (3), 6084 (4)                                       | 1074, 1259, 1625                               |
| 2712                                | $2^3 \times S_3 : S_3$        | 288   | 831600 | 4230, 4239, 4231, 4246, 4225, 4155, 4238, 5377 (3), 5629 (3), 6085 (4)                                       | 1075, 1258, 1625                               |
| 2713                                | $A_4 \times 2 \times 2 : S_3$ | 288   | 831600 | 4225, 4240, 4191, 4161, 4243, 4232, 4233, 5375 (3), 5374 (6), 5630 (3), 6086 (4)                             | 1076, 1259, 1625                               |
| 2714                                | $2^{1+4} : 3^2$               | 288   | 207900 | 5455 (2), 5631, 5459, 6009 (8), 6087 (4), 5984 (8)   | 1077, 1663, 1703, 1704, 1706, 1708, 1711, 1712 |
| 2715                                | $2^4 : 3 : 3 \times 2$        | 288   | 207900 | 4149, 5454 (2), 5452, 5632, 6087 (4), 6052 (4)   | 1077, 1620, 1641, 1702, 1705, 1707, 1710, 1713 |
| 2716                                | $Q_8 : (A_4 \times 3)$        | 288   | 415800 | 5453, 5633, 5458 (2), 5984 (4), 6052 (4)   | 1077, 1701, 1709, 1714                         |
| 2717                                | $2^3 : S_3 : S_3$             | 288   | 415800 | 4023, 4386 (2), 4124, 4282, 4247 (2), 4177, 4341, 4387 (2), 4248 (2), 4281, 4344, 5238 (6)                   | 1169, 1646, 1656, 1731                         |
| 2718                                | $D_8 \times S_3 \times S_3$   | 288   | 415800 | 4264, 4388 (2), 4293 (2), 4251 (2), 4284 (2), 4292, 4117, 4343, 4179, 4249, 4282, 5242 (6)                   | 1186, 1187, 1646, 1658, 1715                   |
| 2719                                | $D_8 \times 6 : S_3$          | 288   | 415800 | 4288, 4250, 4295, 4265, 4285, 4252, 4118, 4342, 4297, 4249, 4294, 4281, 4389, 4390, 4178, 5241 (6), 5240 (6) | 1188, 1189, 1646, 1657, 1717                   |
| 2720                                | $D_8 \times S_3 \times S_3$   | 288   | 415800 | 4267, 4301 (2), 3956, 4299 (2), 4266, 4253 (2), 4249, 4399 (2), 4119, 4300, 4358, 5230 (6)                   | 1190, 1191, 1648, 1715, 1717                   |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups   | Minimal Overgroups              |
| 2721                                | $D_8 \times (3 : S_3 \cdot 2)$     | 288   | 415800 | 3970, 4269, 4268,<br>4249, 4395, 4303,<br>4120, 8164 (9)  | 1192, 1193, 1657,<br>1715, 1716 |
| 2722                                | $D_8 \times S_3 \times S_3$        | 288   | 415800 | 4271, 4400 (2), 4121,<br>4308 (2), 3969, 4270,<br>4304 (2), 4306, 4249,<br>4254 (2), 4397, 5243<br>(6)                      | 1194, 1195, 1658,<br>1716, 1717 |
| 2723                                | $D_8 \times S_3 \times S_3$        | 288   | 831600 | 4311, 3966, 4122,<br>4401, 4314, 4402,<br>4274, 4253, 4272,<br>4250, 4254, 4310,<br>4312, 4313, 4403,<br>5398 (3), 5407 (3) | 1196, 1197, 1717                |
| 2724                                | $D_8 \times 6 \times S_3$          | 288   | 831600 | 4276, 4404, 4123,<br>4321, 4322, 4277,<br>4319, 4315, 3968,<br>4317, 4252, 4253,<br>4254, 4405, 4406,<br>5382, 5401 (3)     | 1198, 1199, 1717                |
| 2725                                | $D_8 \times S_3 \times S_3$        | 288   | 415800 | 4145, 4344, 4373 (2),<br>4265, 4262 (2), 4261,<br>4263 (2), 4255, 4375<br>(2), 4264, 4339, 5244<br>(6)                      | 1217, 1646, 1659,<br>1727       |
| 2726                                | $S_3 \times S_3 : 2 \times 2 : 2$  | 288   | 415800 | 4179, 4151, 4367,<br>4256, 4269, 4267,<br>4368, 8165 (9)  | 1218, 1655, 1715,<br>1729       |
| 2727                                | $Q_{12} : S_3 : 2 : 2$             | 288   | 415800 | 4264, 3976, 4331,<br>4151, 4268, 4266,<br>4333, 8166 (9)  | 1219, 1598, 1659,<br>1715       |
| 2728                                | $S_3 \times S_3 : 2 \times 2 : 2$  | 288   | 415800 | 4177, 3933, 4152,<br>4257, 4269, 4270,<br>4369, 8167 (9)  | 1220, 1655, 1716,<br>1731       |
| 2729                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$ | 288   | 415800 | 4271, 4258, 4391,<br>4152, 4261, 4268,<br>3990, 8168 (9)  | 1221, 1659, 1716,<br>1726       |
| 2730                                | $D_8 \times S_3 \times S_3$        | 288   | 415800 | 4178, 4153, 4327,<br>4407 (2), 4408 (2),<br>4366, 4259, 4274 (2),<br>4276 (2), 4270, 4267,<br>5237 (6)                      | 1222, 1655, 1717,<br>1730       |

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| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups                                     |
| 2731                                | $D_8 \times S_3 \times S_3$             | 288   | 415800 | 4271, 4409 (2), 4260, 4398, 4410 (2), 4153, 4272 (2), 4265, 4277 (2), 4266, 3982, 5245 (6) | 1223, 1659, 1717, 1728                                 |
| 2732                                | $2^4 : 3 : S_3$                         | 288   | 34650  | 4150, 5620, 5621 (3), 9572 (16)  | 1227 (4), 1600, 1718 (6), 1719 (6), 1736 (3), 1737 (3) |
| 2733                                | $2^3 : S_3 : S_3$                       | 288   | 415800 | 4181, 4377 (2), 4374 (2), 4289 (2), 4290 (2), 4341, 4127, 4340, 4295, 4261, 4292, 5247 (6) | 1231, 1646, 1660, 1726                                 |
| 2734                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$      | 288   | 415800 | 4345, 4325, 4267, 4024, 4379, 3967, 4128, 8169 (9)   | 1235, 1648, 1729, 1730                                 |
| 2735                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$      | 288   | 415800 | 4363, 3959, 4291, 4261, 4128, 4300, 4349, 8170 (9)   | 1237, 1648, 1726, 1727                                 |
| 2736                                | $D_8 \times (3 : S_3 \cdot 2)$          | 288   | 415800 | 4364, 3989, 4303, 4265, 4383, 4291, 4130, 8171 (9)   | 1238, 1657, 1727, 1728                                 |
| 2737                                | $2^2 \times 6 : S_3 \cdot 2$            | 288   | 415800 | 4328, 3975, 4268, 4295, 4332, 4291, 4335, 8172 (9)   | 1239, 1598, 1657, 1726                                 |
| 2738                                | $2^2 \times 6 : S_3 \cdot 2$            | 288   | 415800 | 4269, 3967, 4335, 4281, 4130, 4385, 4381, 8173 (9)   | 1240, 1657, 1729, 1731                                 |
| 2739                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$      | 288   | 415800 | 4270, 4129, 4384, 4380, 4282, 3967, 4336, 8174 (9)   | 1241, 1658, 1730, 1731                                 |
| 2740                                | $S_3 \times S_3 : 2 \times 2 : 2$       | 288   | 415800 | 4271, 4129, 3991, 4365, 4291, 4292, 4382, 8175 (9)   | 1242, 1658, 1726, 1728                                 |
| 2741                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$      | 288   | 415800 | 4264, 3973, 4330, 4326, 4306, 4291, 4336, 8176 (9)   | 1243, 1598, 1658, 1727                                 |
| 2742                                | $2^2 : S_3 : S_3 : 2$                   | 288   | 415800 | 4269, 4133, 4333, 4350, 3956, 4282, 4359, 8177 (9)   | 1244, 1649, 1715, 1731                                 |
| 2743                                | $3 : S_3 \cdot 2 \times 2 \times 2 : 2$ | 288   | 415800 | 4267, 4132, 4331, 4348, 3970, 4282, 4396, 8178 (9)   | 1245, 1656, 1715, 1730                                 |

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| Nr.                                 | Structure                              | Order | Length  | Maximal Subgroups   | Minimal Overgroups                |
| 2744                                | $S_3 \times S_3 : 2 \times 2 \times 2$ | 288   | 138600  | 4256 (3), 4350 (3),<br>3958 (3), 4348 (3),<br>4264, 4303, 4300,<br>8179 (9)   | 1246, 1647, 1715 (3),<br>1727 (3) |
| 2745                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$     | 288   | 415800  | 4300, 4132, 4359,<br>4367, 4292, 4268,<br>3961, 8180 (9)  | 1247, 1651, 1715,<br>1726         |
| 2746                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$     | 288   | 415800  | 4303, 4133, 4396,<br>4368, 4292, 4266,<br>3985, 8181 (9)  | 1248, 1660, 1715,<br>1728         |
| 2747                                | $2^2 : S_3 : S_3 : 2$                  | 288   | 415800  | 4269, 4131, 4391,<br>4351, 4024, 3969,<br>4337, 8182 (9)  | 1249, 1649, 1716,<br>1729         |
| 2748                                | $S_3 \times S_3 : 2 \times 2 \times 2$ | 288   | 138600  | 4355 (3), 4258 (3),<br>4393 (3), 4338 (3),<br>4270, 4024, 3970,<br>8183 (9)   | 1250, 1650, 1716 (3),<br>1730 (3) |
| 2749                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$     | 288   | 415800  | 4303, 4131, 3988,<br>4369, 4306, 4261,<br>4393, 8184 (9)  | 1251, 1660, 1716,<br>1727         |
| 2750                                | $S_3 \times S_3 : 2 \times 2 \times 2$ | 288   | 138600  | 4257 (3), 4351 (3),<br>4355 (3), 3977 (3),<br>4271, 4303, 4021,<br>8185 (9)   | 1252, 1647, 1716 (3),<br>1728 (3) |
| 2751                                | $D_8 \times S_3 \times S_3$            | 288   | 831600  | 4314, 4411, 4412,<br>4413, 4135, 4414,<br>4415, 3968, 4308,<br>4285, 4276, 4301,<br>4313, 4416, 4409,<br>5397 (3), 5172 (3) | 1254, 1717                        |
| 2752                                | $2^3 \times S_3 \times S_3$            | 288   | 138600  | 4356 (3), 4417 (6),<br>4260 (3), 4418 (6),<br>4334 (3), 4362 (3),<br>4270, 4317 (2), 3956,<br>4281, 4314 (2), 5232<br>(6)   | 1255, 1650, 1717 (3),<br>1731 (3) |
| 2753                                | $2^3 \times S_3 : S_3$                 | 288   | 1663200 | 4302, 4275, 4318,<br>4316, 3965, 4307,<br>4286, 5449 (3), 5399<br>(3), 6088 (4)   | 1256                              |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups             |
| 2754                                | $2^3 : S_3 \times S_3$      | 288   | 831600  | 4317, 4419, 4420, 4421, 4136, 4422, 4423, 3966, 4308, 4288, 4274, 4301, 4315, 4424, 4410, 5400 (3), 5449 (3) | 1256, 1717                     |
| 2755                                | $2^3 : S_3 : S_3$           | 288   | 415800  | 4281, 4425 (2), 4329, 4426 (2), 4134, 4346, 4315 (2), 3969, 4313 (2), 4267, 4398, 5239 (6)                   | 1257, 1656, 1717, 1729         |
| 2756                                | $D_8 \times S_3 \times S_3$ | 288   | 831600  | 4311, 4425, 4136, 3984, 4412, 4414, 4407, 4312, 4304, 4299, 4277, 4294, 4321, 4424, 4418, 5377 (3), 5450 (3) | 1258, 1717                     |
| 2757                                | $2^3 \times S_3 : S_3$      | 288   | 1663200 | 4296, 4273, 4320, 4309, 4323, 4305, 4298, 5451 (3), 5374 (3), 6089 (4)                                       | 1259                           |
| 2758                                | $2^3 : S_3 \times S_3$      | 288   | 831600  | 4319, 4426, 4135, 3983, 4420, 4422, 4408, 4322, 4304, 4299, 4272, 4297, 4310, 4416, 4417, 5375 (3), 5451 (3) | 1259, 1717                     |
| 2759                                | $2^3 \times S_3 \times S_3$ | 288   | 138600  | 4259 (3), 4423 (6), 3957 (3), 4415 (6), 4356 (3), 4346 (3), 4271, 4311 (2), 4295, 4319 (2), 4300, 5229 (6)   | 1260, 1647, 1717 (3), 1726 (3) |
| 2760                                | $D_8 \times S_3 \times S_3$ | 288   | 415800  | 4300, 4421 (2), 4134, 4413 (2), 3960, 4366, 4310 (2), 4306, 4265, 4321 (2), 4362, 5233 (6)                   | 1261, 1651, 1717, 1727         |
| 2761                                | $2^3 : S_3 : S_3$           | 288   | 415800  | 4295, 4419 (2), 3974, 4411 (2), 4329, 4327, 4322 (2), 4306, 4312 (2), 4266, 4334, 5246 (6)                   | 1262, 1598, 1660, 1717         |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 2762                                | $Q_{12} : S_3 : 2 \times 2$        | 288   | 415800 | 3973, 4026, 4325, 4151, 4337, 4329, 4335, 8172 (9)   | 1598, 1652, 1729   |
| 2763                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$ | 288   | 415800 | 3974, 4025, 4330, 4328, 4333, 4324, 4337, 8166 (9)   | 1598, 1649, 1766   |
| 2764                                | $2^2 : S_3 : S_3 : 2$              | 288   | 415800 | 3975, 4025, 4336, 4327, 4331, 4338, 4325, 8176 (9)   | 1598, 1653, 1730   |
| 2765                                | $D_{12} \times S_3 : 2 \times 2$   | 288   | 415800 | 3976, 3962 (2), 4334, 4026, 4360 (2), 4278 (2), 4324, 4326, 4338, 4392 (2), 4332, 8186 (9) | 1598, 1650, 1765   |
| 2766                                | $2^4 : 3 : 3 \times 2$             | 288   | 51975  | 4150, 5634 (2), 5635 (2), 6041 (8)   | 1619 (2), 1725, 1737 (2), 1738, 1745, 1746 (2), 1748, 1769 (2), 1770 (2), 1771 (2), 1772, 1773, 1774 (2), 1775 (2), 1776 |
| 2767                                | $2^4 : 3 : S_3$                    | 288   | 51975  | 4150, 5636 (6), 5637 (6), 6042 (8)   | 1621 (2), 1734 (2), 1735 (2), 1736 (2), 1738, 1753 (2), 1754 (2), 1773 (2), 1779 (2), 1780 (2)                           |
| 2768                                | $2^4 : 3 : S_3$                    | 288   | 207900 | 4149, 5638 (6), 5639 (3), 5274 (3), 6090 (4), 6091 (4)                                     | 1622, 1702, 1740, 1751, 1752, 1757, 1758   |
| 2769                                | $2^4 : 3 : S_3$                    | 288   | 103950 | 4154, 5640 (6), 5641 (6), 6092 (8)   | 1623, 1732 (2), 1733 (2), 1749, 1750, 1755 (2), 1756 (2)   |
| 2770                                | $A_4 \times 2 \times 2 : S_3$      | 288   | 103950 | 4150, 5642, 5643 (3), 6044 (4), 6043 (4)   | 1636 (2), 1639 (2), 1739, 1746, 1754, 1775 (2), 1780 (2)   |
| 2771                                | $A_4 \times 2 \times 2 : S_3$      | 288   | 207900 | 4149, 5644, 5645 (3), 6077 (4), 6093 (4)   | 1637, 1644, 1713, 1741, 1742, 1744, 1757   |
| 2772                                | $A_4 \times 2 \times 2 : S_3$      | 288   | 207900 | 4149, 5646, 5289 (3), 6094 (4), 6095 (4)   | 1638, 1643, 1707, 1741, 1743, 1747, 1752   |
| 2773                                | $2^4 : 3 : 3 \times 2$             | 288   | 103950 | 4154, 5386 (2), 5383 (2), 6096 (8)   | 1640 (2), 1750, 1759 (2), 1760, 1762, 1777 (2), 1778 (2)   |

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| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups                             |
| 2774                                | $A_4 \times 2 \times 2 : S_3$           | 288   | 207900 | 4154, 5647, 5648 (3),<br>6097 (4), 6098 (4)  | 1642, 1645, 1755,<br>1759, 1761, 1763,<br>1764 |
| 2775                                | $2 \times 4 : S_3 : S_3$                | 288   | 415800 | 4342, 4343, 4340,<br>4370 (2), 4376 (2),<br>4114, 4023, 4372 (2),<br>4371 (2), 4339, 4180,<br>5249 (6) | 1646, 1661, 1767                               |
| 2776                                | $3 : S_3 \cdot 2 \times 2 : 2 \times 2$ | 288   | 415800 | 3955 (2), 4280 (2),<br>4352 (2), 4025, 4345,<br>4380, 4354 (2), 4355,<br>4348, 3980, 4259,<br>8187 (9) | 1647, 1730, 1766                               |
| 2777                                | $D_{12} \times S_3 : 2 \times 2$        | 288   | 415800 | 3979, 3954 (2), 4346,<br>4026, 4347 (2), 4357<br>(2), 4351, 4256,<br>4345, 4352 (2), 4385,<br>8188 (9) | 1647, 1729, 1765                               |
| 2778                                | $D_{12} \times S_3 : 2 \times 2$        | 288   | 415800 | 3978 (2), 4280 (2),<br>4347 (2), 4023, 4385,<br>4380, 4353 (2), 4356,<br>4350, 3953, 4257,<br>8189 (9) | 1647, 1731, 1767                               |
| 2779                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$      | 288   | 415800 | 3953, 3928, 4379,<br>4114, 4358, 4349,<br>4378, 8190 (9)   | 1648, 1767, 1768                               |
| 2780                                | $S_3 \times S_3 : 2 \times 2 : 2$       | 288   | 415800 | 4345, 4324, 4378,<br>4027, 4363, 4119,<br>3981, 8191 (9)   | 1648, 1765, 1766                               |
| 2781                                | $3 : S_3 \cdot 2 \times 2 \cdot 2 : 2$  | 288   | 415800 | 4028, 4324, 4382,<br>4351, 4364, 3982,<br>4133, 8192 (9)   | 1649, 1728, 1765                               |
| 2782                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$      | 288   | 415800 | 4359, 4349, 4127,<br>3957, 4391, 4328,<br>4382, 8193 (9)   | 1649, 1726, 1768                               |
| 2783                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$      | 288   | 415800 | 3960, 4349, 4339,<br>4350, 4131, 4330,<br>4364, 8194 (9)   | 1649, 1727, 1767                               |
| 2784                                | $3 : S_3 \cdot 2 : 2 \times 2 \times 2$ | 288   | 415800 | 4357 (2), 4278 (2),<br>4393, 4361 (2), 4255,<br>4394 (2), 3958, 4349,<br>4383, 4326, 4362,<br>8195 (9) | 1650, 1727, 1768                               |

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| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 2785                                | $3 : S_3 \cdot 2 : 2 \times 2 \times 2$ | 288   | 415800 | 4354 (2), 4392 (2),<br>4258, 4361 (2), 4340,<br>4279 (2), 4356, 4349,<br>4365, 4332, 3961,<br>8196 (9) | 1650, 1726, 1767   |
| 2786                                | $3 : S_3 \cdot 2 \times 2 : 2 \times 2$ | 288   | 415800 | 4353 (2), 4360 (2),<br>4365, 4355, 4383,<br>4029, 4279 (2), 3985,<br>4324, 4394 (2), 4260,<br>8197 (9) | 1650, 1728, 1766   |
| 2787                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$      | 288   | 415800 | 4029, 4337, 3986,<br>4345, 4134, 4381,<br>4367, 8198 (9)   | 1651, 1729, 1766   |
| 2788                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$      | 288   | 415800 | 4338, 4028, 3987,<br>4345, 4366, 4384,<br>4132, 8199 (9)   | 1651, 1730, 1765   |
| 2789                                | $S_3 \times S_3 : 2 \times 2 : 2$       | 288   | 415800 | 4362, 4359, 4124,<br>3953, 4384, 3933,<br>4381, 8200 (9)   | 1651, 1731, 1768   |
| 2790                                | $Q_{12} : S_3 : 2 \times 2$             | 288   | 415800 | 4341, 4335, 4129,<br>4356, 3959, 4152,<br>4359, 8201 (9)   | 1652, 1726, 1731   |
| 2791                                | $12 : S_3 \cdot 2 : 2$                  | 288   | 415800 | 4028, 4325, 4129,<br>4355, 3989, 4153,<br>4396, 8202 (9)   | 1652, 1728, 1730   |
| 2792                                | $12 : S_3 \cdot 2 : 2$                  | 288   | 415800 | 4117, 4151, 4359,<br>3958, 4395, 4358,<br>4396, 8203 (9)   | 1652, 1715, 1768   |
| 2793                                | $2 \times 4 \times S_3 \times S_3$      | 288   | 415800 | 4342, 3960, 4329,<br>4403 (2), 4404 (2),<br>4153, 4356, 4412 (2),<br>4420 (2), 4358, 4121,<br>5234 (6) | 1652, 1717, 1767   |
| 2794                                | $12 : S_3 \cdot 2 : 2$                  | 288   | 415800 | 4027, 4337, 4152,<br>4355, 4395, 4121,<br>3988, 8204 (9)   | 1652, 1716, 1766   |
| 2795                                | $S_3 \times 2^2 \times S_3 : 2$         | 288   | 415800 | 4325, 4029, 4398,<br>4351, 4130, 3991,<br>4368, 8205 (9)   | 1653, 1728, 1729   |
| 2796                                | $3 : S_3 \cdot 2 \times 2 \cdot 2 : 2$  | 288   | 415800 | 4358, 3961, 4331,<br>4350, 4120, 4343,<br>4368, 8206 (9)   | 1653, 1715, 1767   |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 2797                                | $D_8 \times S_3 \times S_3$            | 288   | 415800 | 4358, 4424 (2), 4362, 4416 (2), 4327, 3957, 4402 (2), 4397, 4118, 4406 (2), 4398, 5235 (6) | 1653, 1717, 1768   |
| 2798                                | $3 : S_3 \cdot 2 \times 2 : 2 : 2$     | 288   | 415800 | 4027, 4338, 4397, 4351, 4369, 3990, 4120, 8207 (9)   | 1653, 1716, 1765   |
| 2799                                | $S_3 \times 2^2 \times S_3 : 2$        | 288   | 415800 | 3959, 4362, 4336, 4350, 4369, 4344, 4130, 8208 (9)   | 1653, 1727, 1731   |
| 2800                                | $Q_{12} : S_3 : 2 : 2$                 | 288   | 415800 | 4152, 4365, 4328, 4259, 4363, 4181, 4367, 8209 (9)   | 1655, 1726, 1766   |
| 2801                                | $3 : S_3 \cdot 2 \times 2 \cdot 2 : 2$ | 288   | 415800 | 4145, 4326, 4363, 4256, 4364, 4366, 4369, 8210 (9)   | 1655, 1727, 1765   |
| 2802                                | $3 : S_3 \cdot 2 \times 2 \cdot 2 : 2$ | 288   | 415800 | 4153, 4365, 3928, 4257, 4364, 4180, 4368, 8211 (9)   | 1655, 1728, 1767   |
| 2803                                | $2^2 : S_3 : S_3 : 2$                  | 288   | 415800 | 3977, 4124, 4383, 3928, 4398, 4382, 4396, 8212 (9)   | 1656, 1728, 1768   |
| 2804                                | $D_{12} \times S_3 \cdot 2 : 2$        | 288   | 415800 | 3988, 4344, 4348, 4363, 4330, 4134, 4383, 8213 (9)   | 1656, 1727, 1766   |
| 2805                                | $2^2 \cdot S_3 : S_3 : 2$              | 288   | 415800 | 3990, 4341, 4346, 4363, 4332, 4132, 4382, 8214 (9)   | 1656, 1726, 1765   |
| 2806                                | $D_8 \times (3 : S_3 \cdot 2)$         | 288   | 415800 | 4328, 3980, 4395, 4118, 4383, 4378, 4381, 8215 (9)   | 1657, 1766, 1768   |
| 2807                                | $2 \times 12 : S_3 \cdot 2$            | 288   | 415800 | 4364, 3987, 4332, 4342, 4120, 4385, 4378, 8216 (9)   | 1657, 1765, 1767   |
| 2808                                | $3 : S_3 \cdot 2 \times 2 \cdot 2 : 2$ | 288   | 415800 | 4117, 3979, 4384, 4326, 4378, 4397, 4382, 8217 (9)   | 1658, 1765, 1768   |
| 2809                                | $3 : S_3 \cdot 2 \times 2 \cdot 2 : 2$ | 288   | 415800 | 4121, 4380, 3986, 4365, 4378, 4343, 4330, 8218 (9)   | 1658, 1766, 1767   |
| 2810                                | $3 : S_3 \cdot 2 : 2 \times 2 : 2$     | 288   | 415800 | 4255, 4151, 4381, 3979, 4391, 4379, 4398, 8219 (9)   | 1659, 1729, 1768   |

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|-------------------------------------|---|-------|--------|---|--------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 2811                                | $S_3 \times S_3 : 2 \times 2 : 2$       | 288   | 415800 | 4260, 4152, 4344,<br>4380, 3981, 4333,<br>4381, 8220 (9)  | 1659, 1731, 1766   |
| 2812                                | $S_3 \times S_3 : 2 \times 2 : 2$       | 288   | 415800 | 4258, 4153, 4339,<br>4380, 3987, 4331,<br>4379, 8221 (9)  | 1659, 1730, 1767   |
| 2813                                | $Q_{12} : S_3 : 2 : 2$                  | 288   | 415800 | 4327, 3980, 4379,<br>4127, 4384, 4393,<br>4396, 8222 (9)  | 1660, 1730, 1768   |
| 2814                                | $Q_{12} : S_3 : 2 \times 2$             | 288   | 415800 | 4329, 4385, 4379,<br>4340, 3986, 4131,<br>4368, 8223 (9)  | 1660, 1729, 1767   |
| 2815                                | $2^2 \cdot S_3 : S_3 : 2$               | 288   | 415800 | 4334, 4385, 4384,<br>4341, 3981, 4133,<br>4369, 8224 (9)  | 1660, 1731, 1765   |
| 2816                                | $3 : S_3 \cdot 2 \times 2 : 2 \times 2$ | 288   | 415800 | 4335, 4427 (4), 4367,<br>4340, 4428 (4), 4391,<br>4346, 4128, 3991,<br>8225 (9)   | 1661, 1726, 1729   |
| 2817                                | $S_3 \times S_3 : 2 \times 2 : 2$       | 288   | 415800 | 3989, 4393, 4336,<br>4348, 4366, 4339,<br>4128, 8226 (9)  | 1661, 1727, 1730   |
| 2818                                | $S_3 \times S_3 : 2 \times 2 : 2$       | 288   | 415800 | 4395, 4393, 3933,<br>3977, 4397, 4114,<br>4391, 8227 (9)  | 1661, 1716, 1768   |
| 2819                                | $2 \times 4 : S_3 : S_3$                | 288   | 415800 | 4342, 4366, 4334,<br>4414 (2), 4422 (2),<br>3982, 4346, 4401 (2),<br>4405 (2), 4119, 4397,<br>5248 (6)                      | 1661, 1717, 1765   |
| 2820                                | $S_3 \times S_3 : 2 \times 2 : 2$       | 288   | 415800 | 4395, 3985, 4333,<br>4348, 4119, 4343,<br>4367, 8228 (9)  | 1661, 1715, 1766   |
| 2821                                | $D_8 \times S_3 \times S_3$             | 288   | 831600 | 4418, 4411, 4403,<br>4421, 4123, 4401,<br>4415, 3983, 4400,<br>4389, 4408, 4399,<br>4425, 4406, 4410,<br>5402 (3), 5379 (3) | 1717               |

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|-------------------------------------|---------------------------------------|-------|--------|--|--------------------------------|
| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups             |
| 2822                                | $2 \times 4 \times S_3 : S_3$         | 288   | 831600 | 4417, 4419, 4404, 4413, 4122, 4405, 4423, 3984, 4400, 4390, 4407, 4399, 4426, 4402, 4409, 5403 (3), 5378 (3) | 1717                           |
| 2823                                | $35 : 2 \cdot 2 : 2$                  | 280   | 570240 | 4430, 4431, 4429, 7172 (5), 7845 (7)   | 740, 1263                      |
| 2824                                | $2^{1+4} : 2^3$                       | 256   | 467775 | 4467, 4652, 4448 (4), 4449, 4434 (4), 4445, 4653, 4524, 4479   | 558 (2), 559, 1783, 1785, 1794 |
| 2825                                | $2 \times 4 : 2 : 2 \times 2 : 2 : 2$ | 256   | 467775 | 4467, 4654, 4451, 4525, 4480, 4655, 4450   | 560, 561 (2), 1783, 1787, 1790 |
| 2826                                | $2^{1+4} : 2^3$                       | 256   | 467775 | 4467, 4656 (2), 4488 (2), 4555, 4459, 4438 (2), 4435 (2), 4485, 4486, 4657, 4452                             | 563, 1275, 1784, 1785, 1787    |
| 2827                                | $2^{1+4} : 2^3$                       | 256   | 935550 | 4473, 4490, 4519, 4518, 4489, 4446, 4436, 4484, 4460, 4520, 4512, 4509, 4439, 4435, 4447                     | 564, 1276, 1287 (2), 1784      |
| 2828                                | $2^{1+4} : 2^3$                       | 256   | 935550 | 4435, 4557, 4491, 4440, 4443, 4658, 4659, 4484, 4474, 4556, 4492, 4453, 4461, 4660, 4437                     | 565, 1277, 1784                |
| 2829                                | $2^{1+4} : 2^3$                       | 256   | 467775 | 4436, 4661, 4662, 4455, 4442, 4559, 4561, 4485, 4532, 4663, 4664, 4454, 4558, 4560, 4437                     | 568, 1278, 1784, 1786, 1788    |
| 2830                                | $2^{1+4} : (2 \times 4)$              | 256   | 467775 | 4533, 4563, 4485, 4665, 4449, 4666, 4562   | 569, 1279, 1785, 1788, 1789    |
| 2831                                | $2^{1+4} : 2^3$                       | 256   | 467775 | 4437 (2), 4564, 4456 (2), 4667 (2), 4485, 4565 (2), 4537, 4668, 4450, 4669, 4566                             | 571, 1280, 1786, 1787, 1789    |

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| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups                     |
| 2832                                | $2^{1+4} : 2^3$                         | 256   | 935550 | 4439, 4670, 4671,<br>4521, 4442, 4672,<br>4673, 4440, 4473,<br>4674, 4465, 4443,<br>4675, 4676, 4438 | 572, 1784                              |
| 2833                                | $D_8 \times 2^2 : 2 \times 2 \cdot 2$   | 256   | 467775 | 4462, 4677, 4678,<br>4451, 4679, 4680,<br>4445   | 576 (2), 1783, 1797,<br>1810           |
| 2834                                | $D_8 \cdot (2 \times 4) : 2 : 2$        | 256   | 467775 | 4481, 4681, 4682,<br>4445, 4683, 4684,<br>4480   | 577 (2), 1783, 1798,<br>1811           |
| 2835                                | $D_8 \times 2^2 : 2 \times 2 \cdot 2$   | 256   | 467775 | 4522, 4685, 4449,<br>4571, 4452, 4686,<br>4570   | 586, 1288, 1785,<br>1791, 1792         |
| 2836                                | $2^5 : 2 \cdot 2 \times 2$              | 256   | 155925 | 4455 (3), 4687 (3),<br>4450 (3), 4688 (3),<br>4522, 4573, 4572                                       | 595, 1289, 1786, 1790<br>(3), 1791 (3) |
| 2837                                | $2^{1+4} : 2^3$                         | 256   | 467775 | 4481, 4689, 4690,<br>4457 (4), 4441 (4),<br>4479, 4691, 4692,<br>4451                                | 598 (2), 1783, 1802,<br>1807           |
| 2838                                | $D_8 \times 2 : 2 \times 2 \cdot 2 : 2$ | 256   | 467775 | 4532, 4690, 4678,<br>4449, 4693, 4683,<br>4525   | 600, 1783, 1788, 1792                  |
| 2839                                | $D_8 \times 2^2 : 2 \times 2 \cdot 2$   | 256   | 467775 | 4528, 4677, 4450,<br>4681, 4449, 4694,<br>4691   | 602, 1783, 1789, 1791                  |
| 2840                                | $2^{1+4} : 2^3$                         | 256   | 467775 | 4532, 4692, 4679,<br>4456 (2), 4442 (2),<br>4695 (2), 4696 (2),<br>4524, 4682, 4697,<br>4450         | 603, 1783, 1786, 1793                  |
| 2841                                | $2^{1+4} : 2^3$                         | 256   | 467775 | 4446 (2), 4698, 4455,<br>4699 (2), 4443 (2),<br>4700, 4529, 4701 (2),<br>4467, 4463, 4702            | 608, 1784, 1790, 1794                  |
| 2842                                | $2^{1+4} : 2^3$                         | 256   | 935550 | 4447, 4703, 4454,<br>4464, 4521, 4704,<br>4453, 4705, 4474,<br>4706, 4446, 4707,<br>4438, 4708, 4709 | 609, 1784                              |

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| Nr.                                 | Structure                                  | Order | Length | Maximal Subgroups  | Minimal Overgroups           |
| 2843                                | $2^{1+4} : 2^3$                            | 256   | 467775 | 4439 (2), 4710 (2),<br>4711, 4529, 4712,<br>4452, 4532, 4713,<br>4714 (2), 4453 (2),<br>4715 | 610, 1784, 1792, 1793        |
| 2844                                | $D_8 \times 2^2 : 2 \cdot 2 \times 2$      | 256   | 467775 | 4447 (2), 4716 (2),<br>4455, 4717, 4440 (2),<br>4718 (2), 4452, 4719,<br>4528, 4720, 4721    | 611, 1784, 1791, 1795        |
| 2845                                | $2^{1+4} : (2 \times 4)$                   | 256   | 467775 | 4533, 4722, 4524,<br>4723, 4452, 4724,<br>4725   | 612, 1785, 1793, 1795        |
| 2846                                | $2^{1+4} : 2^3$                            | 256   | 467775 | 4454 (2), 4726, 4524,<br>4727, 4455, 4728 (2),<br>4456 (2), 4729 (2),<br>4537, 4730, 4731    | 616, 1786, 1794, 1795        |
| 2847                                | $D_8 \times (D_8 \times 2) \cdot 2$        | 256   | 467775 | 4452, 4732, 4525,<br>4733, 4537, 4734,<br>4735   | 617, 1787, 1792, 1795        |
| 2848                                | $2^2 \times 4 \cdot 2 : 2 : 2 \cdot 2$     | 256   | 467775 | 4452, 4736, 4535,<br>4737, 4450, 4738,<br>4739   | 619, 1787, 1791, 1793        |
| 2849                                | $D_8 \times 2^2 \cdot 2 : 2 \cdot 2$       | 256   | 467775 | 4455, 4740, 4533,<br>4741, 4525, 4742,<br>4743   | 620, 1788, 1790, 1795        |
| 2850                                | $8 : 2 \times 2 \cdot 2 : 2 : 2$           | 256   | 467775 | 4455, 4744, 4535,<br>4745, 4449, 4746,<br>4747   | 621, 1788, 1791, 1794        |
| 2851                                | $2^{1+4} : (2 \times 4)$                   | 256   | 467775 | 4529, 4748, 4450,<br>4749, 4533, 4750,<br>4751   | 623, 1789, 1790, 1793        |
| 2852                                | $2^{1+4} : 2^3$                            | 256   | 467775 | 4529, 4752 (4), 4753,<br>4458 (4), 4537, 4754,<br>4449, 4755, 4756                           | 625, 1789, 1792, 1794        |
| 2853                                | $2 \times 4 : 2 : 2 \times 2 : 2 \times 2$ | 256   | 467775 | 4460 (2), 4461 (2),<br>4712, 4717, 4462,<br>4463, 4664, 4757,<br>4465 (2), 4464 (2),<br>4459 | 956 (4), 1784, 1800,<br>1810 |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups                                   |
| 2854                                | $2 \times 4 : 2 \times 2 : 2 : 2 : 2$ | 256   | 155925 | 4467 (3), 4585 (6),<br>4533 (3), 4587 (3),<br>4542 (6), 4586 (3),<br>4758 (3), 4522 (3),<br>4487   | 1281, 1310 (3), 1785<br>(3), 1790 (3), 1796          |
| 2855                                | $D_8 \times (D_8 \times 2^2)$         | 256   | 467775 | 4466 (2), 4469 (2),<br>4471 (2), 4482 (2),<br>4478 (4), 4532, 4568<br>(2), 4567 (2), 4528,<br>4444 (4), 4483 (2),<br>4477 (4), 4475 (4),<br>4472 (2), 4514 (2),<br>4515 (2), 4476 (4),<br>4481, 4470 (2), 4473<br>(2), 4474 (2), 4462,<br>4468 (2), 4538 (4),<br>4511 (2), 4513 (2),<br>4759, 4760, 4467 | 1282 (4), 1283 (2),<br>1783, 1784, 1796              |
| 2856                                | $2^{1+4} : D_8$                       | 256   | 467775 | 4486, 4686, 4569,<br>4445, 4563, 4722,<br>4487   | 1284, 1285, 1785,<br>1797, 1798                      |
| 2857                                | $2 \times 4 : 2 : 2 \times 2 : 2 : 2$ | 256   | 467775 | 4462, 4693, 4761,<br>4496 (2), 4499 (2),<br>4762 (2), 4763 (2),<br>4479, 4697, 4694,<br>4480   | 1286 (4), 1783, 1800,<br>1804                        |
| 2858                                | $2^{1+4} : 2^3$                       | 256   | 155925 | 4522, 4764 (6), 4526<br>(6), 4765 (3), 4524<br>(3), 4579 (2), 4493<br>(2), 4580, 4485 (3),<br>4569 (3), 4539   | 1290, 1291 (2), 1305,<br>1785 (3), 1786, 1799<br>(3) |
| 2859                                | $2^{1+4} : 2^3$                       | 256   | 467775 | 4484 (2), 4766 (4),<br>4757, 4527 (4), 4529,<br>4767, 4528, 4768 (2),<br>4574 (2), 4531 (2),<br>4769 (2), 4530 (2),<br>4521 (2), 4770 (2),<br>4485, 4575, 4576   | 1292 (2), 1293, 1784,<br>1789, 1799                  |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups               |
| 2860                                | $2^{1+4} : (2 \times 4)$               | 256   | 467775 | 4485, 4771 (2), 4536 (2), 4772, 4525, 4577, 4535, 4773 (2), 4534 (2), 4774, 4578                 | 1294, 1295 (2), 1787, 1788, 1799 |
| 2861                                | $2^{1+4} : D_8$                        | 256   | 467775 | 4459, 4666, 4479, 4724, 4487, 4765, 4685   | 1296, 1785, 1800, 1807           |
| 2862                                | $2^4 \cdot 2 : 2 : 2 : 2$              | 256   | 155925 | 4462 (3), 4775 (6), 4776 (6), 4777 (3), 4778 (3), 4779 (3), 4780 (3), 4781 (3), 4487             | 1297, 1796, 1797 (3), 1800 (3)   |
| 2863                                | $2^{1+4} : 2^3$                        | 256   | 155925 | 4489 (2), 4719 (3), 4711 (3), 4702 (3), 4462 (3), 4705 (6), 4675 (6), 4492 (2), 4558, 4575, 4486 | 1298, 1784 (3), 1797 (3), 1804   |
| 2864                                | $2^3 \cdot 2 \times 2 : 2 \cdot 2 : 2$ | 256   | 467775 | 4463, 4748, 4741, 4480, 4687, 4782, 4487   | 1299, 1790, 1798, 1800           |
| 2865                                | $2^{1+4} : 2^3$                        | 256   | 467775 | 4490 (2), 4676 (2), 4463, 4721, 4486, 4576, 4481, 4713, 4704 (2), 4491 (2), 4559                 | 1300, 1784, 1798, 1802           |
| 2866                                | $2^{1+4} : 2^3$                        | 256   | 935550 | 4490, 4464, 4674, 4574, 4560, 4718, 4710, 4492, 4509, 4699, 4482, 4556, 4672, 4708, 4488         | 1301, 1784                       |
| 2867                                | $2^{1+4} : 2^3$                        | 256   | 935550 | 4489, 4716, 4673, 4701, 4465, 4574, 4512, 4488, 4483, 4709, 4714, 4703, 4561, 4557, 4491         | 1302, 1784                       |
| 2868                                | $D_8 : (D_8 \times 2 : 2)$             | 256   | 935550 | 4783, 4784, 4785, 4786, 4787, 4788, 4789, 4790, 4504, 4495, 4516, 4494, 4501, 4508, 4503         | 1303 (2), 1801                   |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups                         |
| 2869                                | $2^2 \times 4 : 2 \times 2 : 2 : 2$ | 256   | 935550 | 4531, 4583, 4540, 4581, 4536, 4582, 4541, 4584, 4493, 4517, 4497, 4505, 4498, 4507, 4502   | 1304 (2), 1306 (2), 1307, 1308, 1309, 1799 |
| 2870                                | $D_8 \times (2 \times 4 : 2 : 2)$   | 256   | 311850 | 4530, 4791 (3), 4792 (3), 4534, 4793 (3), 4794 (3), 4543, 4544, 4523, 4590 (3), 4588 (3), 4493, 4506 (3), 4589 (3), 4497   | 1311, 1312, 1313, 1799 (3)                 |
| 2871                                | $D_8 \times (2^3 \cdot 2 : 2)$      | 256   | 467775 | 4528, 4795, 4796, 4597 (2), 4598 (2), 4797, 4777, 4595 (2), 4596 (2), 4545, 4535, 4546, 4468 (2), 4593, 4594, 4548 (2), 4549 (2), 4591, 4592, 4547 (2), 4522, 4498, 4523         | 1314, 1315 (2), 1316 (2), 1791, 1796, 1799 |
| 2872                                | $2^4 \cdot 2 : 2 \times 2 : 2$      | 256   | 467775 | 4529, 4798 (2), 4799, 4550 (2), 4525, 4782, 4522, 4600 (2), 4601, 4497 (2), 4599   | 1317 (2), 1318, 1790, 1792, 1799           |
| 2873                                | $D_8 \times (D_8 \times 2^2)$       | 256   | 155925 | 4532 (3), 4800 (6), 4801 (3), 4778 (3), 4604 (6), 4605 (6), 4602 (6), 4603 (6), 4551 (6), 4537 (3), 4469 (2), 4608 (2), 4606, 4607, 4553 (2), 4552 (2), 4554 (2), 4523 (2), 4522 | 1319 (2), 1320, 1786, 1792 (3), 1796 (3)   |
| 2874                                | $2^4 \cdot 2 : 2 : 2 : 2$           | 256   | 467775 | 4528, 4689, 4541 (2), 4680, 4543 (2), 4802 (2), 4524, 4803 (2), 4684, 4761, 4525   | 1321 (2), 1783, 1795, 1799                 |
| 2875                                | $2^{1+4} : D_8$                     | 256   | 467775 | 4587, 4494 (2), 4804 (2), 4724, 4653, 4610 (2), 4609 (2), 4571, 4555, 4563, 4539   | 1322, 1323 (2), 1324, 1785, 1801, 1803     |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups   | Minimal Overgroups                                       |
| 2876                                | $2^{1+4} : D_8$                    | 256   | 155925 | 4586 (3), 4723 (3),<br>4479 (3), 4570 (3),<br>4486, 4562, 4539  | 1325, 1326, 1785 (3),<br>1802 (3), 1804                  |
| 2877                                | $2^{1+4} : 2^3$                    | 256   | 51975  | 4558 (3), 4731 (9),<br>4697 (9), 4566 (3),<br>4572 (3), 4607 (3),<br>4539   | 1327 (2), 1328, 1329,<br>1786 (3), 1803 (9),<br>1804 (3) |
| 2878                                | $2^{1+4} : 2^3$                    | 256   | 155925 | 4559 (3), 4805 (6),<br>4787 (6), 4726 (3),<br>4692 (3), 4564 (3),<br>4612 (2), 4611 (2),<br>4573, 4606, 4539  | 1330, 1331, 1786,<br>1801 (3), 1802 (3)                  |
| 2879                                | $2^2 \times 4 \cdot 2 : 2 : 2 : 2$ | 256   | 467775 | 4529, 4806 (2), 4807,<br>4544 (2), 4524, 4808,<br>4535, 4809 (2), 4810,<br>4540 (2), 4811   | 1332 (2), 1793, 1794,<br>1799                            |
| 2880                                | $D_8 \times 2^2 : 2 \times 2 : 2$  | 256   | 935550 | 4530, 4812, 4550,<br>4813, 4526, 4814,<br>4543, 4815, 4536,<br>4816, 4540, 4817,<br>4546, 4818, 4819  | 1333, 1334, 1799   |
| 2881                                | $2^2 \times 4 : 2 \cdot 2 : 2 : 2$ | 256   | 935550 | 4531, 4820, 4550,<br>4821, 4526, 4822,<br>4541, 4823, 4534,<br>4824, 4544, 4825,<br>4545, 4826, 4827  | 1335, 1336, 1799   |
| 2882                                | $2^2 \times 4 \cdot 2 : 2 : 2 : 2$ | 256   | 467775 | 4467, 4828 (2), 4829,<br>4618 (2), 4619 (2),<br>4617 (2), 4554 (2),<br>4535, 4830 (2), 4779,<br>4613 (2), 4614 (2),<br>4615 (2), 4549 (2),<br>4537, 4831, 4616 (2),<br>4470 (2), 4832 | 1337 (2), 1787, 1794,<br>1796                            |
| 2883                                | $D_8 \times (D_8 \times 4)$        | 256   | 467775 | 4532, 4833 (2), 4834,<br>4835, 4624 (2), 4625<br>(2), 4621 (2), 4471<br>(2), 4623 (2), 4622<br>(2), 4618 (2), 4620<br>(2), 4552 (2), 4533,<br>4836 (2), 4837, 4781,<br>4547 (2), 4535 | 1338 (2), 1788, 1793,<br>1796                            |

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|-------------------------------------|-------------------------------------|-------|--------|--|--|
| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups                     |
| 2884                                | $2^2 \times 4 : 2 \times 2 : 2 : 2$ | 256   | 467775 | 4528, 4838 (2), 4839, 4629 (2), 4630 (2), 4627 (2), 4548 (2), 4537, 4840 (2), 4780, 4624 (2), 4626 (2), 4628 (2), 4553 (2), 4533, 4841, 4615 (2), 4472 (2), 4842                       | 1339 (2), 1789, 1795, 1796             |
| 2885                                | $2^{1+4} : D_8$                     | 256   | 467775 | 4576, 4826 (2), 4807, 4814 (2), 4689, 4577, 4594, 4581 (2), 4599, 4588 (2), 4539   | 1340 (2), 1341, 1342, 1799, 1802, 1803 |
| 2886                                | $2^{1+4} \times D_8$                | 256   | 155925 | 4575, 4592 (3), 4761 (3), 4584 (6), 4820 (6), 4631 (6), 4790 (6), 4601 (3), 4811 (3), 4506 (6), 4816 (6), 4632 (6), 4843 (6), 4539, 4578   | 1343, 1344, 1799 (3), 1801 (3), 1804   |
| 2887                                | $D_8 \times (2^3 \cdot 2 : 2)$      | 256   | 935550 | 4468, 4844, 4845, 4635, 4636, 4846, 4775, 4619, 4626, 4633 (2), 4625, 4545, 4552, 4613, 4637, 4542, 4567, 4847, 4848, 4634, 4849, 4850, 4621, 4551, 4627, 4638, 4548, 4511, 4639, 4554 | 1345, 1346, 1796                       |
| 2888                                | $D_8 \times (D_8 \times 2 : 2)$     | 256   | 935550 | 4469, 4851, 4852, 4641 (2), 4638, 4853, 4776, 4630, 4620, 4622, 4628, 4553, 4547, 4639, 4642, 4549, 4568, 4854, 4855, 4634, 4640, 4856, 4857, 4616, 4551, 4636, 4546, 4513, 4617, 4542 | 1347, 1348, 1796                       |

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|-------------------------------------|--------------------------|-------|--------|---|-----------------------------------|
| Nr.                                 | Structure                | Order | Length | Maximal Subgroups   | Minimal Overgroups                |
| 2889                                | $2^{1+4} : 2^3$          | 256   | 467775 | 4509 (2), 4858 (2),<br>4783 (2), 4707 (2),<br>4670 (2), 4859 (2),<br>4860 (2), 4557 (2),<br>4760, 4861 (4), 4862<br>(4), 4700, 4715,<br>4717, 4559, 4555,<br>4575 | 1349, 1784, 1801,<br>1805         |
| 2890                                | $2^{1+4} : 2^3$          | 256   | 467775 | 4512 (2), 4706 (2),<br>4671 (2), 4556 (2),<br>4759, 4720, 4712,<br>4698, 4558, 4576,<br>4555  | 1350, 1784, 1803,<br>1806         |
| 2891                                | $2^{1+4} : D_8$          | 256   | 467775 | 4758, 4685, 4652,<br>4725, 4555, 4569,<br>4562  | 1351, 1785, 1805,<br>1806         |
| 2892                                | $2^{1+4} : 2^3$          | 256   | 467775 | 4560 (2), 4728 (2),<br>4682, 4565 (2), 4559,<br>4730, 4695 (2), 4566,<br>4687, 4569, 4801   | 1352, 1786, 1798,<br>1805         |
| 2893                                | $2^{1+4} : 2^3$          | 256   | 467775 | 4561 (2), 4727, 4679,<br>4564, 4558, 4729 (2),<br>4696 (2), 4565 (2),<br>4778, 4688, 4569   | 1353, 1786, 1797,<br>1806         |
| 2894                                | $2^{1+4} : D_8$          | 256   | 467775 | 4486, 4737, 4577,<br>4451, 4564, 4733,<br>4779  | 1354, 1787, 1797,<br>1802         |
| 2895                                | $2^{1+4} : D_8$          | 256   | 467775 | 4555, 4738, 4577,<br>4655, 4566, 4734,<br>4831  | 1355, 1787, 1803,<br>1805         |
| 2896                                | $2^{1+4} : D_8$          | 256   | 155925 | 4486, 4739 (3), 4578,<br>4480 (3), 4566, 4735<br>(3), 4832 (3)  | 1356, 1787 (3), 1798<br>(3), 1804 |
| 2897                                | $2^{1+4} : D_8$          | 256   | 467775 | 4555, 4786 (2), 4736,<br>4578, 4863 (2), 4654,<br>4564, 4864 (2), 4732,<br>4829, 4865 (2)   | 1357, 1787, 1801,<br>1806         |
| 2898                                | $2^{1+4} : (2 \times 4)$ | 256   | 467775 | 4558, 4742, 4678,<br>4563, 4781, 4746,<br>4577  | 1358, 1788, 1797,<br>1803         |
| 2899                                | $2^{1+4} : (2 \times 4)$ | 256   | 467775 | 4559, 4743, 4690,<br>4562, 4837, 4745,<br>4577  | 1359, 1788, 1802,<br>1805         |

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|-------------------------------------|----------------------------------|-------|--------|--|--------------------------------|
| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups             |
| 2900                                | $2^{1+4} : (2 \times 4)$         | 256   | 467775 | 4559, 4866 (2), 4867 (2), 4747, 4683, 4578, 4834, 4868 (2), 4504 (2), 4741, 4563     | 1360, 1788, 1798, 1801         |
| 2901                                | $2^{1+4} : (2 \times 4)$         | 256   | 155925 | 4558, 4740 (3), 4693 (3), 4562, 4835 (3), 4744 (3), 4578                             | 1361, 1788 (3), 1804, 1806 (3) |
| 2902                                | $2^{1+4} : D_8$                  | 256   | 467775 | 4575, 4869 (2), 4677, 4870 (2), 4564, 4754, 4563, 4871 (2), 4780, 4503 (2), 4749     | 1362, 1789, 1797, 1801         |
| 2903                                | $2^{1+4} : D_8$                  | 256   | 467775 | 4576, 4691, 4564, 4755, 4562, 4841, 4750   | 1363, 1789, 1802, 1806         |
| 2904                                | $2^{1+4} : D_8$                  | 256   | 155925 | 4575, 4694 (3), 4756 (3), 4566, 4562, 4842 (3), 4751 (3)                             | 1364, 1789 (3), 1804, 1805 (3) |
| 2905                                | $2^{1+4} : D_8$                  | 256   | 467775 | 4576, 4681, 4566, 4753, 4563, 4839, 4748   | 1365, 1789, 1798, 1803         |
| 2906                                | $2^{1+4} : D_8$                  | 256   | 467775 | 4702, 4799, 4688, 4451, 4742, 4749, 4487   | 1366, 1790, 1797, 1807         |
| 2907                                | $D_8 \times (D_8 \times 2) : 2$  | 256   | 155925 | 4481 (3), 4849 (6), 4853 (6), 4796 (3), 4801 (3), 4832 (3), 4834 (3), 4839 (3), 4487 | 1367, 1796, 1798 (3), 1807 (3) |
| 2908                                | $2^{1+4} : D_8$                  | 256   | 467775 | 4777, 4812 (2), 4808, 4824 (2), 4680, 4793 (2), 4799, 4502 (2), 4575, 4577, 4569     | 1368, 1797, 1799, 1805         |
| 2909                                | $2^{1+4} : D_8$                  | 256   | 467775 | 4796, 4505 (2), 4822 (2), 4818 (2), 4792 (2), 4782, 4810, 4684, 4578, 4569, 4576     | 1369, 1798, 1799, 1806         |
| 2910                                | $D_8 \times 2^3 \cdot 2 : 2$     | 256   | 467775 | 4587, 4666, 4652, 4580, 4657, 4722, 4570   | 1370, 1785, 1808, 1809         |
| 2911                                | $D_8 \times 2^2 \cdot 2 : 2 : 2$ | 256   | 467775 | 4586, 4665, 4445, 4580, 4459, 4725, 4571   | 1371, 1785, 1810, 1811         |

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|-------------------------------------|---|-------|--------|---|-----------------------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups   | Minimal Overgroups                |
| 2912                                | $2^2 \times 4 : 2 : 2 \cdot 2 \times 2$ | 256   | 155925 | 4664 (3), 4668 (3),<br>4679 (3), 4730 (3),<br>4607, 4580, 4573                            | 1372, 1786, 1809 (3),<br>1810 (3) |
| 2913                                | $2 \times 4^2 : 2 \cdot 2 \times 2$     | 256   | 155925 | 4661 (3), 4727 (3),<br>4682 (3), 4669 (3),<br>4606, 4572, 4580                            | 1373, 1786, 1808 (3),<br>1811 (3) |
| 2914                                | $D_8 \times 2^2 : 2 \cdot 2 : 2$        | 256   | 467775 | 4463, 4750, 4451,<br>4743, 4586, 4599,<br>4573  | 1374, 1790, 1802,<br>1810         |
| 2915                                | $2 \times 4^2 : 2 \cdot 2 : 2$          | 256   | 467775 | 4698, 4748, 4655,<br>4742, 4587, 4599,<br>4572  | 1375, 1790, 1803,<br>1808         |
| 2916                                | $2 \times 4 : 2 : 2 \times 2 : 2 : 2$   | 256   | 467775 | 4702, 4872 (2), 4496<br>(2), 4751, 4480,<br>4740, 4614 (2), 4643<br>(2), 4586, 4601, 4572 | 1376, 1790, 1804,<br>1811         |
| 2917                                | $D_8 \times 2^2 : 2 : 2 : 2$            | 256   | 467775 | 4700, 4495 (2), 4749,<br>4873 (2), 4654, 4741,<br>4587, 4645 (2), 4601,<br>4644 (2), 4573 | 1377, 1790, 1801,<br>1809         |
| 2918                                | $D_8 \times (8 : 2 : 2)$                | 256   | 467775 | 4717, 4788 (2), 4736,<br>4874 (2), 4677, 4747,<br>4592, 4647 (2), 4571,<br>4646 (2), 4573 | 1378, 1791, 1801,<br>1810         |
| 2919                                | $2^5 : 2 \cdot 2 : 2$                   | 256   | 467775 | 4720, 4738, 4681,<br>4746, 4594, 4571,<br>4572  | 1379, 1791, 1803,<br>1811         |
| 2920                                | $D_8 \times (D_8 \times 2 \cdot 2)$     | 256   | 467775 | 4719, 4875 (2), 4763<br>(2), 4739, 4694,<br>4744, 4637 (2), 4643<br>(2), 4592, 4570, 4572 | 1380, 1791, 1804,<br>1808         |
| 2921                                | $2^5 : 2 \cdot 2 : 2$                   | 256   | 467775 | 4721, 4737, 4691,<br>4745, 4594, 4570,<br>4573  | 1381, 1791, 1802,<br>1809         |
| 2922                                | $2^{1+4} : 2^2 : 2$                     | 256   | 467775 | 4711, 4876 (2), 4762<br>(2), 4756, 4693,<br>4735, 4642 (2), 4643<br>(2), 4607, 4601, 4570 | 1382, 1792, 1804,<br>1809         |
| 2923                                | $2 \times 4 : 2 : 2 : 2 \times 2 : 2$   | 256   | 467775 | 4713, 4755, 4690,<br>4733, 4606, 4599,<br>4570  | 1383, 1792, 1802,<br>1808         |

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|-------------------------------------|---|-------|--------|--|------------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups     |
| 2924                                | $D_8 \times 2^2 : 2 \times 2 : 2$       | 256   | 467775 | 4715, 4785 (2), 4732, 4877 (2), 4683, 4754, 4606, 4649 (2), 4571, 4648 (2), 4601   | 1384, 1792, 1801, 1811 |
| 2925                                | $D_8 \times 2^2 : 2 \cdot 2 : 2$        | 256   | 467775 | 4712, 4753, 4678, 4734, 4607, 4599, 4571   | 1385, 1792, 1803, 1810 |
| 2926                                | $2 \times 4 : 2 \times 2 : 2 : 2 : 2$   | 256   | 467775 | 4767, 4827 (2), 4808, 4815 (2), 4684, 4772, 4594, 4583 (2), 4601, 4590 (2), 4580   | 1386, 1799, 1809, 1811 |
| 2927                                | $D_8 \times (2^3 \cdot 2 : 2)$          | 256   | 935550 | 4768, 4822, 4806, 4812, 4803, 4823, 4773, 4813, 4591, 4581, 4600, 4506, 4579, 4583, 4589   | 1387, 1799             |
| 2928                                | $D_8 \times (2 \times 4 : 2 : 2)$       | 256   | 467775 | 4757, 4821 (2), 4810, 4817 (2), 4680, 4774, 4592, 4582 (2), 4599, 4589 (2), 4580   | 1388, 1799, 1808, 1810 |
| 2929                                | $D_8 \times 2 \cdot 2 \times 2 : 2 : 2$ | 256   | 935550 | 4769, 4825, 4809, 4819, 4802, 4824, 4771, 4818, 4593, 4582, 4600, 4590, 4579, 4584, 4588   | 1389, 1799             |
| 2930                                | $2^4 \cdot 2 : 2 : 2 : 2$               | 256   | 935550 | 4567, 4838, 4830, 4878, 4879, 4852, 4775, 4880, 4881, 4593, 4585, 4633, 4618, 4604, 4596, 4622, 4514, 4500, 4882, 4847, 4853, 4883, 4884, 4833, 4602, 4627, 4616, 4597, 4472, 4641, 4608 | 1390, 1796             |

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|-------------------------------------|---------------------------------------|-------|--------|--|------------------------|
| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups     |
| 2931                                | $D_8 \times (2 \times 4 \cdot 2 : 2)$ | 256   | 935550 | 4568, 4883, 4885, 4879, 4886, 4880 (2), 4887, 4888, 4638, 4636, 4615, 4471, 4625, 4628, 4619, 4515, 4851, 4845, 4849, 4776, 4840, 4836, 4828, 4603, 4605, 4595, 4598, 4608, 4591, 4585 | 1391, 1796             |
| 2932                                | $D_8 \times (D_8 \times 2 : 2)$       | 256   | 467775 | 4511 (2), 4844 (2), 4854 (2), 4501, 4885, 4829, 4780, 4887 (2), 4881 (2), 4597 (2), 4605 (2), 4635, 4623, 4587, 4592, 4617 (2), 4760, 4878, 4889, 4834, 4629, 4640, 4606               | 1392, 1796, 1801, 1808 |
| 2933                                | $2^2 \times 4 : 2 \cdot 2 : 2 : 2$    | 256   | 467775 | 4513 (2), 4855 (2), 4848 (2), 4883 (2), 4839, 4781, 4882 (2), 4888 (2), 4604 (2), 4595 (2), 4624 (2), 4594, 4607, 4613 (2), 4759, 4889 (2), 4831, 4634 (2), 4587                       | 1393, 1796, 1803, 1809 |
| 2934                                | $D_8 \times 2^2 : 2 : 2 : 2$          | 256   | 467775 | 4470 (2), 4856 (2), 4846 (2), 4887 (2), 4841, 4779, 4879 (2), 4890 (2), 4602 (2), 4598 (2), 4621 (2), 4594, 4586, 4639 (2), 4481, 4882 (2), 4837, 4630 (2), 4606                       | 1394, 1796, 1802, 1811 |
| 2935                                | $D_8 \times (D_8 \times 2 : 2)$       | 256   | 467775 | 4466, 4888 (2), 4881 (2), 4884, 4886, 4890, 4499, 4620 (2), 4626 (2), 4637, 4642, 4614, 4462, 4857 (2), 4850 (2), 4842, 4835, 4832, 4603 (2), 4596 (2), 4607, 4592, 4586               | 1395, 1796, 1804, 1810 |

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|-------------------------------------|--|-------|--------|--|--------------------|
| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 2936                                | $D_8 : (D_8 \times 2^2)$                     | 256   | 935550 | 4859, 4891 (2), 4786, 4892 (2), 4893, 4894 (2), 4869, 4895 (2), 4896, 4784, 4866, 4897, 4640, 4651 (2), 4610, 4650 (2), 4648, 4510 (2), 4632, 4433 (2), 4612, 4645, 4646 | 1396, 1801         |
| 2937                                | $D_8 : (D_8 \times 4)$                       | 256   | 935550 | 4860, 4898, 4516, 4899, 4900, 4865, 4504, 4871, 4623, 4644, 4649, 4646, 4611, 4609, 4632   | 1397, 1801         |
| 2938                                | $D_8 : (D_8 \times 2 : 2)$                   | 256   | 935550 | 4858, 4508, 4901, 4902, 4903, 4503, 4868, 4863, 4629, 4647, 4648, 4644, 4612, 4631, 4609   | 1398, 1801         |
| 2939                                | $D_8 : (2 \times 4 \cdot 2 : 2)$             | 256   | 935550 | 4783, 4904, 4905, 4906, 4789, 4864, 4867, 4870, 4635, 4645, 4649, 4647, 4611, 4610, 4631   | 1399, 1801         |
| 2940                                | $D_8 \times 2 : 2 \times 2 \times 2 \cdot 2$ | 256   | 467775 | 4760, 4655, 4690, 4694, 4682, 4652, 4680   | 1783, 1805, 1808   |
| 2941                                | $2^{1+4} : 2^3$                              | 256   | 467775 | 4759, 4907 (4), 4432 (4), 4689, 4678, 4653, 4697, 4681, 4655   | 1783, 1803, 1813   |
| 2942                                | $D_8 \cdot (D_8 \times 2) : 2$               | 256   | 467775 | 4760, 4903 (2), 4789 (2), 4896 (2), 4900 (2), 4653, 4683, 4761, 4692, 4654, 4677   | 1783, 1801, 1812   |
| 2943                                | $2^4 \cdot 2 : 2 \cdot 2 : 2$                | 256   | 467775 | 4759, 4684, 4693, 4652, 4679, 4691, 4654   | 1783, 1806, 1809   |
| 2944                                | $2^{1+4} : 2^3$                              | 256   | 935550 | 4520, 4716, 4663, 4461, 4676, 4770, 4710, 4705, 4482, 4706, 4518, 4656, 4670, 4660, 4701   | 1784               |

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|-------------------------------------|--|-------|--------|--|--------------------|
| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 2945                                | $D_8 \times 2^2 : 2 \cdot 2 \times 2$  | 256   | 467775 | 4518 (2), 4709 (2),<br>4661, 4757, 4672 (2),<br>4658 (2), 4713, 4719,<br>4760, 4698, 4657            | 1784, 1808, 1812   |
| 2946                                | $2^{1+4} : 2^3$                        | 256   | 935550 | 4519, 4659, 4662,<br>4699, 4671, 4704,<br>4714, 4656, 4483,<br>4770, 4460, 4707,<br>4675, 4718, 4658 | 1784               |
| 2947                                | $2^{1+4} : 2^3$                        | 256   | 467775 | 4520 (2), 4703 (2),<br>4661, 4459, 4674 (2),<br>4659 (2), 4715, 4702,<br>4481, 4720, 4767            | 1784, 1807, 1811   |
| 2948                                | $2^{1+4} : 2^3$                        | 256   | 467775 | 4519 (2), 4660 (2),<br>4664, 4700, 4673 (2),<br>4708 (2), 4711, 4657,<br>4759, 4767, 4721            | 1784, 1809, 1813   |
| 2949                                | $2^{1+4} : D_8$                        | 256   | 467775 | 4758, 4686, 4653,<br>4723, 4657, 4765,<br>4665   | 1785, 1812, 1813   |
| 2950                                | $2^{1+4} : 2^3$                        | 256   | 467775 | 4663 (2), 4688, 4692,<br>4765, 4661, 4729 (2),<br>4695 (2), 4667 (2),<br>4801, 4731, 4668            | 1786, 1807, 1812   |
| 2951                                | $2^{1+4} : 2^3$                        | 256   | 467775 | 4662 (2), 4669, 4696<br>(2), 4726, 4765,<br>4687, 4664, 4667 (2),<br>4697, 4728 (2), 4778            | 1786, 1800, 1813   |
| 2952                                | $2^2 \times 4 : 2 \cdot 2 : 2 : 2$     | 256   | 467775 | 4657, 4739, 4774,<br>4655, 4669, 4733,<br>4829   | 1787, 1808, 1813   |
| 2953                                | $8 : 2 \times 2 : 2 \cdot 2 : 2$       | 256   | 467775 | 4459, 4738, 4772,<br>4480, 4669, 4732,<br>4779   | 1787, 1800, 1811   |
| 2954                                | $2^3 \cdot 2 \times 2 : 2 \cdot 2 : 2$ | 256   | 467775 | 4657, 4737, 4772,<br>4654, 4668, 4735,<br>4831   | 1787, 1809, 1812   |
| 2955                                | $2^2 \times 4 : 2 \cdot 2 : 2 : 2$     | 256   | 467775 | 4459, 4736, 4774,<br>4451, 4668, 4734,<br>4832   | 1787, 1807, 1810   |
| 2956                                | $8 : 2 \times 2 \cdot 2 : 2 : 2$       | 256   | 467775 | 4664, 4774, 4835,<br>4743, 4678, 4665,<br>4747   | 1788, 1810, 1813   |

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|-------------------------------------|---|-------|--------|--|--------------------|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 2957                                | $D_8 \cdot (2 \times 4) : 2 \cdot 2$      | 256   | 467775 | 4661, 4665, 4837,<br>4746, 4683, 4772,<br>4740                     | 1788, 1811, 1812   |
| 2958                                | $2 \times 4 : 2 : 2 \times 2 : 2 \cdot 2$ | 256   | 467775 | 4664, 4772, 4781,<br>4741, 4693, 4666,<br>4745                     | 1788, 1800, 1809   |
| 2959                                | $2^3 \times 4 \cdot 2 : 2 : 2$            | 256   | 467775 | 4661, 4774, 4834,<br>4742, 4690, 4666,<br>4744                     | 1788, 1807, 1808   |
| 2960                                | $2^{1+4} : D_8$                           | 256   | 467775 | 4767, 4756, 4668,<br>4691, 4666, 4749,<br>4839                     | 1789, 1807, 1809   |
| 2961                                | $D_8 \times 2 \cdot 2 : 2 \times 2 : 2$   | 256   | 467775 | 4757, 4755, 4669,<br>4694, 4666, 4748,<br>4780                     | 1789, 1800, 1808   |
| 2962                                | $2^{1+4} : D_8$                           | 256   | 467775 | 4767, 4754, 4669,<br>4681, 4665, 4751,<br>4841                     | 1789, 1811, 1813   |
| 2963                                | $D_8 \times 2 \cdot 2 : 2 \times 2 : 2$   | 256   | 467775 | 4757, 4753, 4668,<br>4677, 4665, 4750,<br>4842                     | 1789, 1810, 1812   |
| 2964                                | $2^{1+4} : D_8$                           | 256   | 467775 | 4700, 4751, 4655,<br>4743, 4758, 4799,<br>4687                     | 1790, 1805, 1813   |
| 2965                                | $2^3 \cdot 2 \times 2 : 2 \cdot 2 : 2$    | 256   | 467775 | 4698, 4750, 4654,<br>4740, 4758, 4782,<br>4688                     | 1790, 1806, 1812   |
| 2966                                | $D_8 \times 2 \cdot 2 : 2 \times 2 : 2$   | 256   | 467775 | 4721, 4739, 4681,<br>4747, 4796, 4686,<br>4687                     | 1791, 1798, 1813   |
| 2967                                | $8 : 2 \times 2 : 2 \cdot 2 : 2$          | 256   | 467775 | 4717, 4738, 4694,<br>4745, 4777, 4685,<br>4687                     | 1791, 1800, 1805   |
| 2968                                | $8 : 2 \times 2 : 2 : 2 : 2$              | 256   | 467775 | 4720, 4736, 4691,<br>4744, 4796, 4685,<br>4688                     | 1791, 1806, 1807   |
| 2969                                | $2^2 \times 4 : 2 : 2 \cdot 2 : 2$        | 256   | 467775 | 4719, 4737, 4677,<br>4746, 4777, 4686,<br>4688                     | 1791, 1797, 1812   |
| 2970                                | $2^{1+4} : 2^3$                           | 256   | 467775 | 4715, 4908 (4), 4685,<br>4909 (4), 4690, 4799,<br>4801, 4734, 4756 | 1792, 1805, 1807   |

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|-------------------------------------|-------------------------------------|-------|--------|---|--------------------|
| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 2971                                | $D_8 \times (D_8 \times 2) \cdot 2$ | 256   | 467775 | 4712, 4755, 4693,<br>4732, 4778, 4782,<br>4685  | 1792, 1800, 1806   |
| 2972                                | $D_8 \times (D_8 \times 2) \cdot 2$ | 256   | 467775 | 4713, 4782, 4683,<br>4686, 4801, 4753,<br>4735  | 1792, 1798, 1812   |
| 2973                                | $2^{1+4} : 2^3$                     | 256   | 467775 | 4711, 4910 (4), 4911<br>(4), 4754, 4678,<br>4733, 4778, 4799,<br>4686                     | 1792, 1797, 1813   |
| 2974                                | $2^{1+4} : (2 \times 4)$            | 256   | 467775 | 4715, 4738, 4682,<br>4808, 4837, 4725,<br>4751  | 1793, 1805, 1811   |
| 2975                                | $2^{1+4} : (2 \times 4)$            | 256   | 467775 | 4712, 4748, 4697,<br>4724, 4781, 4807,<br>4738  | 1793, 1800, 1803   |
| 2976                                | $2^{1+4} : (2 \times 4)$            | 256   | 467775 | 4713, 4807, 4692,<br>4737, 4837, 4750,<br>4723  | 1793, 1802, 1812   |
| 2977                                | $2^{1+4} : (2 \times 4)$            | 256   | 467775 | 4711, 4749, 4679,<br>4722, 4781, 4808,<br>4737  | 1793, 1797, 1809   |
| 2978                                | $Q_8 : 2^3 : 2 : 2$                 | 256   | 467775 | 4715, 4893 (2), 4724,<br>4516 (2), 4692, 4749,<br>4834, 4901 (2), 4736,<br>4905 (2), 4811 | 1793, 1801, 1807   |
| 2979                                | $8 : 2 \times 2 : 2 \cdot 2 : 2$    | 256   | 467775 | 4712, 4750, 4679,<br>4725, 4835, 4810,<br>4736  | 1793, 1806, 1810   |
| 2980                                | $2^{1+4} : 2^2 : 2$                 | 256   | 467775 | 4711, 4872 (2), 4762<br>(2), 4751, 4697,<br>4723, 4835, 4875 (2),<br>4886 (2), 4811, 4739 | 1793, 1804, 1813   |
| 2981                                | $2^2 \times 4 : 2 : 2 \cdot 2 : 2$  | 256   | 467775 | 4713, 4748, 4682,<br>4722, 4834, 4810,<br>4739  | 1793, 1798, 1808   |
| 2982                                | $2^{1+4} : D_8$                     | 256   | 467775 | 4698, 4753, 4731,<br>4653, 4746, 4807,<br>4831  | 1794, 1803, 1812   |
| 2983                                | $2^{1+4} : D_8$                     | 256   | 467775 | 4700, 4756, 4730,<br>4652, 4745, 4808,<br>4831  | 1794, 1805, 1809   |

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|-------------------------------------|---|-------|--------|-----------------------------|---|-------------|--------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups           |   |             | Minimal Overgroups |
| 2984                                | $2^{1+4} : D_8$                         | 256   | 467775 | 4702, 4445, 4779            | 4754, 4746, 4808,                               | 4727, 4808, | 1794, 1797, 1811   |
| 2985                                | $2^{1+4} : D_8$                         | 256   | 467775 | 4463, 4479, 4779            | 4755, 4745,                                     | 4726, 4807, | 1794, 1800, 1802   |
| 2986                                | $D_8 \times 2 \cdot 2 : 2 \times 2 : 2$ | 256   | 467775 | 4698, 4652, 4829            | 4755, 4744,                                     | 4727, 4810, | 1794, 1806, 1808   |
| 2987                                | $D_8 : (2 \times 4) : 2 : 2$            | 256   | 467775 | 4700, 4726, 4747, 4829,     | 4898 (2), 4754, 4653, 4902 (2), 4811,           |             | 1794, 1801, 1813   |
| 2988                                | $2^{1+4} : 2^2 : 2$                     | 256   | 467775 | 4702, 4731, 4744, 4890 (2), | 4876 (2), 4756, 4496 (2), 4479, 4875 (2), 4811, |             | 1794, 1804, 1807   |
| 2989                                | $D_8 \times 2 \cdot 2 : 2 \times 2 : 2$ | 256   | 467775 | 4463, 4445, 4832            | 4753, 4747,                                     | 4730, 4810, | 1794, 1798, 1810   |
| 2990                                | $2^{1+4} : D_8$                         | 256   | 467775 | 4720, 4689, 4839            | 4734, 4742,                                     | 4731, 4724, | 1795, 1803, 1807   |
| 2991                                | $2^4 \cdot 2 : 2 : 2 : 2$               | 256   | 467775 | 4721, 4684, 4839            | 4735, 4741,                                     | 4730, 4722, | 1795, 1798, 1809   |
| 2992                                | $D_8 \times 2 \cdot 2 : 2 \times 2 : 2$ | 256   | 467775 | 4719, 4680, 4780            | 4733, 4742,                                     | 4727, 4722, | 1795, 1797, 1808   |
| 2993                                | $8 : 2 : 2 \times 2 : 2 : 2$            | 256   | 467775 | 4717, 4726, 4741, 4780,     | 4899 (2), 4732, 4508 (2), 4761, 4897 (2), 4724, |             | 1795, 1800, 1801   |
| 2994                                | $8 : 2 \times 2 \cdot 2 : 2 : 2$        | 256   | 467775 | 4720, 4684, 4841            | 4732, 4740,                                     | 4727, 4725, | 1795, 1806, 1811   |
| 2995                                | $2^{1+4} : D_8$                         | 256   | 467775 | 4721, 4689, 4841            | 4733, 4743,                                     | 4726, 4723, | 1795, 1802, 1813   |
| 2996                                | $2^4 \cdot 2 : 2 : 2 : 2$               | 256   | 467775 | 4719, 4731, 4740, 4884 (2), | 4876 (2), 4735, 4763 (2), 4761, 4872 (2), 4723, |             | 1795, 1804, 1812   |

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|-------------------------------------|---|-------|--------|--|--------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 2997                                | $D_8 \times 2 \cdot 2 : 2 \times 2 : 2$ | 256   | 467775 | 4717, 4734, 4730, 4680, 4743, 4725, 4842   | 1795, 1805, 1810   |
| 2998                                | $D_8 \times 2^2 : 2 : 2 : 2$            | 256   | 467775 | 4515 (2), 4841, 4852 (2), 4829, 4845 (2), 4830 (2), 4848 (2), 4846 (2), 4833 (2), 4759, 4835, 4840 (2), 4857 (2), 4854 (2), 4800 (2), 4758, 4797 (2), 4796, 4778 | 1796, 1806, 1813   |
| 2999                                | $D_8 \times 2^2 : 2 : 2 : 2$            | 256   | 467775 | 4514 (2), 4847 (2), 4851 (2), 4844 (2), 4855 (2), 4838 (2), 4836 (2), 4831, 4760, 4837, 4842, 4856 (2), 4850 (2), 4828 (2), 4800 (2), 4795 (2), 4777, 4801, 4758 | 1796, 1805, 1812   |
| 3000                                | $2^5 \cdot 2 : 2 : 2$                   | 256   | 467775 | 4767, 4517 (2), 4811, 4774, 4791 (2), 4689, 4765, 4823 (2), 4799, 4796, 4819 (2)   | 1799, 1807, 1813   |
| 3001                                | $2 \times 4 : 2 : 2 \times 2 : 2 : 2$   | 256   | 467775 | 4757, 4507 (2), 4807, 4772, 4794 (2), 4761, 4765, 4825 (2), 4782, 4777, 4813 (2)   | 1799, 1800, 1812   |
| 3002                                | $2^3 \cdot 2 : 2 \times 2 : 2 : 2$      | 256   | 935550 | 4769, 4502, 4806, 4507, 4773, 4792, 4802, 4791, 4764, 4820, 4798, 4821, 4795, 4814, 4815   | 1799               |
| 3003                                | $D_8 : (D_8 \times 2) : 2$              | 256   | 935550 | 4768, 4505, 4809, 4517, 4771, 4793, 4803, 4794, 4764, 4826, 4798, 4827, 4797, 4816, 4817   | 1799               |
| 3004                                | $D_8 : (2 \times 4 : 2 : 2)$            | 256   | 935550 | 4858, 4790, 4893, 4804, 4903, 4788, 4866, 4873, 4878, 4870, 4877, 4865, 4805, 4906, 4898   | 1801               |

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|-------------------------------------|----------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 3005                                | $Q_8 : (2 \times 4 : 2 : 2)$     | 256   | 935550  | 4859, 4494, 4901, 4843, 4896, 4495, 4868, 4874, 4889, 4864, 4877, 4871, 4805, 4904, 4899 | 1801   |
| 3006                                | $Q_8 : (2 \times 4 \cdot 2 : 2)$ | 256   | 935550  | 4860, 4902, 4905, 4897, 4900, 4863, 4867, 4869, 4885, 4873, 4785, 4874, 4787, 4804, 4843 | 1801   |
| 3007                                | $7 : 3 : 2 \times S_3$           | 252   | 950400  | 4916, 4912, 4913, 5784, 5777 (3), 7927 (7)   | 95, 546, 1815  |
| 3008                                | $7 : 3 : 2 \times S_3$           | 252   | 950400  | 4917, 4912, 4914, 5792, 5778 (3), 7958 (7)   | 96, 667 (2), 1114 (2), 1815                              |
| 3009                                | $7 : 3 \times 2 : S_3$           | 252   | 950400  | 4918, 4912, 4915, 5793, 5779 (3), 7959 (7)   | 97, 1815   |
| 3010                                | $7 : 3 : 2 \times S_3$           | 252   | 950400  | 4917, 4913, 4915, 5783, 5779 (3), 7960 (7)   | 98, 218 (2), 1815  |
| 3011                                | $7 : 3 \times 3 \times 2 : 2$    | 252   | 950400  | 4914, 4913, 4918, 5794 (2), 5778, 5795, 7961 (7)   | 99, 1815   |
| 3012                                | $7 : 3 : 2 \times S_3$           | 252   | 950400  | 4916, 4914, 4915, 5785, 5780 (3), 7928 (7)   | 100, 547, 1815   |
| 3013                                | $7 : 3 \times 2 \times S_3$      | 252   | 950400  | 4918, 4917, 4916, 5786, 5788 (3), 7929 (7)   | 548, 668 (2), 1815                                       |
| 3014                                | $2 \times 14 : 3 : 3$            | 252   | 475200  | 5790 (2), 5791, 5787, 7108 (4), 7962 (7)   | 669 (2), 670, 671 (2), 957, 1814, 1816, 1820             |
| 3015                                | $3^{1+2} : 3^2$                  | 243   | 246400  | 5800, 5799 (2), 5801, 5798 (4), 5802 (2), 5796 (2), 5797                                 | 1130, 1131 (2), 1822, 1823, 1824, 1825, 1826, 1827, 1828 |
| 3016                                | $A_5 : 2 \times 2$               | 240   | 1995840 | 4926, 4923, 4924, 7404 (5), 7832 (6), 9138 (10)  | 52, 166, 405, 787  |
| 3017                                | $S_5 \times 2$                   | 240   | 997920  | 4921, 4925, 4922, 7405 (5), 7832 (6), 9139 (10)  | 165, 402, 787 (2), 1829                                  |

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|-------------------------------------|-------------------------|-------|---------|---|--|
| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 3018                                | $S_5 \times 2$          | 240   | 997920  | 4925, 4929, 4930, 7406 (5), 7833 (6), 9140 (10) | 176, 403, 1829   |
| 3019                                | $S_5 \times 2$          | 240   | 997920  | 4925, 4928, 4927, 7407 (5), 7834 (6), 9141 (10) | 177, 404, 1829   |
| 3020                                | $A_5 \times 2 \times 2$ | 240   | 997920  | 4922, 4930, 4927, 7408 (5), 7835 (6), 9142 (10) | 178, 407, 1829   |
| 3021                                | $S_5 \times 2$          | 240   | 997920  | 4929, 4921, 4927, 7409 (5), 7838 (6), 9142 (10) | 178, 410, 1829   |
| 3022                                | $S_5 \times 2$          | 240   | 997920  | 4921, 4928, 4930, 7410 (5), 7836 (6), 9143 (10) | 179, 411, 1829   |
| 3023                                | $S_5 \times 2$          | 240   | 997920  | 4929, 4928, 4922, 7411 (5), 7837 (6), 9143 (10) | 179, 409, 1829   |
| 3024                                | $S_5 \times 2$          | 240   | 83160   | 4931 (2), 4967, 7275 (5), 7846 (6), 9144 (10)   | 319 (2), 802 (3), 1407 (6), 1416, 1830 (3), 1831, 1832 (3), 1846 (3), 1854 (3), 1876, 1883 |
| 3025                                | $S_5 \times 2$          | 240   | 16632   | 4931, 4953, 4965, 7276 (5), 7847 (6), 9145 (10) | 320, 803 (5), 960 (6), 1408 (5), 1419 (10), 1831 (10), 1835 (15)                           |
| 3026                                | $S_5 \times 2$          | 240   | 166320  | 4970, 4931, 4965, 7279 (5), 7848 (6), 9146 (10) | 321, 804 (3), 1409 (3), 1418 (3), 1421, 1831, 1832 (3), 1834 (3)                           |
| 3027                                | $S_5 \times 2$          | 240   | 249480  | 4951, 4931, 4967, 7281 (5), 7849 (6), 9147 (10) | 322, 805, 958 (2), 1410, 1417 (2), 1830, 1833, 1834, 1835, 1836, 1837, 1838                |
| 3028                                | $S_5 \times 2$          | 240   | 249480  | 4931, 4970, 4952, 7282 (5), 7850 (6), 9148 (10) | 323, 806, 959 (2), 1411, 1420 (2), 1832 (2), 1835, 1838 (2)                                |
| 3029                                | $A_5 \times 2 \cdot 2$  | 240   | 1995840 | 4932, 7412 (5), 7837 (6), 9149 (10)             | 408  |
| 3030                                | $D_{20} \times 2 : S_3$ | 240   | 498960  | 4972, 5011, 4934, 5824 (3), 7115 (4), 7280 (5)  | 412, 739 (2), 813, 814, 1840, 1841, 1844   |

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|-------------------------------------|--------------------------------------|-------|---------|--|---|
| Nr.                                 | Structure                            | Order | Length  | Maximal Subgroups  | Minimal Overgroups                          |
| 3031                                | $D_{20} \times 2 : S_3$              | 240   | 498960  | 4933, 5001, 4971, 5824 (3), 7116 (4), 7281 (5)   | 412, 812, 815, 958, 1412, 1839, 1842, 1843  |
| 3032                                | $D_{20} \times 2 : S_3$              | 240   | 498960  | 5012, 4998, 4934, 5839 (3), 7118 (4), 7283 (5)   | 413, 1841                                   |
| 3033                                | $D_{20} \times 2 : S_3$              | 240   | 498960  | 4933, 5002, 4997, 5839 (3), 7117 (4), 7282 (5)   | 413, 959, 1413, 1842                        |
| 3034                                | $2^2 \times 10 : S_3$                | 240   | 498960  | 5000, 4933, 5003, 5840 (3), 7120 (4), 7276   | 414, 960, 1414, 1842                        |
| 3035                                | $2^2 \times 10 : S_3$                | 240   | 498960  | 5013, 4999, 4934, 5840 (3), 7119 (4), 7277   | 414, 1841                                   |
| 3036                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 498960  | 4959, 4940 (2), 4935, 4938 (2), 4956, 5809 (3), 7297 (5)   | 550 (2), 790, 1845, 1859, 1862              |
| 3037                                | $D_{20} \times 2 \times S_3$         | 240   | 498960  | 4984, 4945 (2), 5014, 4936, 4942 (2), 4937, 4988, 4948 (2), 4947 (2), 4935, 5015, 5832 (3), 7296 (5) | 551 (2), 816, 1845, 1894, 1916              |
| 3038                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 498960  | 4946 (2), 4935, 4985, 4943 (2), 4989, 5827 (3), 7298 (5)   | 552 (2), 817, 1845, 1895, 1917              |
| 3039                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 997920  | 4961, 4962, 4945, 4943, 4986, 4938, 4983, 5814 (3), 7352 (5)   | 553, 809, 1845                              |
| 3040                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 997920  | 4963, 4946, 4942, 4960, 4938, 4987, 4983, 5813 (3), 7302 (5)   | 554, 810, 1845                              |
| 3041                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 997920  | 4961, 4960, 4942, 4943, 4954, 4940, 4955, 5810 (3), 7327 (5)   | 555, 791, 820 (2), 1139 (2), 1447 (2), 1845 |
| 3042                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 1995840 | 4973, 4939, 4944, 4974, 4941, 4975, 4949, 5825 (3), 7328 (5)   | 556, 819, 821, 1140, 1455                   |

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|-------------------------------------|--------------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 3043                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 997920 | 4940, 4957, 4945, 4963, 4962, 4955, 4946, 5811 (3), 7354 (5) | 557, 792, 1845  |
| 3044                                | $A_5 \times 2 \cdot 2$               | 240   | 249480 | 4967, 7370 (5), 7839 (6), 9150 (10)                          | 636 (2), 822, 961 (2), 1487, 1836, 1846, 1847, 1848, 1897, 1922, 1927   |
| 3045                                | $A_5 \times 2 \cdot 2$               | 240   | 249480 | 4968, 7371 (5), 7839 (6), 9151 (10)                          | 638 (2), 822, 1849, 1850, 1851, 1871, 1896, 1923, 1926                  |
| 3046                                | $A_5 \times 2 \cdot 2$               | 240   | 249480 | 4968, 7376 (5), 7842 (6), 9152 (10)                          | 652 (2), 823, 1851, 1853, 1855, 1872, 1906, 1910, 1925                  |
| 3047                                | $A_5 \times 2 \cdot 2$               | 240   | 249480 | 4967, 7377 (5), 7842 (6), 9153 (10)                          | 653 (2), 823, 969 (2), 1490, 1837, 1848, 1852, 1854, 1907, 1911, 1924   |
| 3048                                | $D_{20} \times 2 : S_3$              | 240   | 997920 | 4950, 5005, 4979, 5824 (3), 7115 (4), 7397 (5)               | 739, 824, 1412, 1856  |
| 3049                                | $S_5 \times 2$                       | 240   | 83160  | 4951, 4953, 4952, 7403 (5), 7845 (6), 9154 (10)              | 740 (8), 862, 971 (6), 1439 (4), 1459 (4), 1483 (3), 1835 (3), 1899 (6) |
| 3050                                | $D_{20} \times 2 \cdot S_3$          | 240   | 166320 | 4971, 5818 (3), 7128 (4), 7413 (5)                           | 789, 831 (3), 963 (3), 1444, 1839 (3), 1857, 1858 (3)                   |
| 3051                                | $D_{20} \times 2 \cdot S_3$          | 240   | 166320 | 4956 (3), 4982 (3), 4978, 5812 (3), 7414 (5)                 | 793, 1448, 1859 (3), 1860 (3), 1861                                     |
| 3052                                | $D_{20} \times 2 \cdot S_3$          | 240   | 498960 | 4955 (2), 4983 (2), 4984, 4956, 4985, 5813 (3), 7415 (5)     | 794, 1845, 1860, 1864   |
| 3053                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 498960 | 4954, 4986, 4988, 4956, 4957, 4989, 4987, 5814 (3), 7416 (5) | 795, 1845, 1861, 1863   |
| 3054                                | $D_{10} \cdot 2 \times 2 \cdot S_3$  | 240   | 498960 | 4956, 4990, 4991, 5815 (3), 7417 (5)                         | 796, 1859, 1863, 1864   |
| 3055                                | $D_{20} \cdot 2 \cdot S_3$           | 240   | 498960 | 4956, 4992, 4993, 5816 (3), 7418 (5)                         | 797, 1860, 1862, 1863   |

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|-------------------------------------|--------------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 3056                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 498960 | 4957 (2), 4994, 4996, 4956, 4995 (2), 5817 (3), 7419 (5) | 798, 1861, 1862, 1864   |
| 3057                                | $A_5 : 2 \times 2$                   | 240   | 249480 | 4958 (2), 4968, 7420 (5), 7846 (6), 9155 (10)            | 802, 1427 (4), 1849, 1855, 1865, 1866, 1867, 1877, 1882   |
| 3058                                | $A_5 : 2 \times 2$                   | 240   | 83160  | 4964, 4958, 4966, 7421 (5), 7847 (6), 9156 (10)          | 803, 1445 (4), 1450 (4), 1866 (6), 1870 (3)   |
| 3059                                | $A_5 : 2 \times 2$                   | 240   | 498960 | 4958, 4969, 4966, 7422 (5), 7848 (6), 9157 (10)          | 804, 1446 (2), 1449 (2), 1866, 1867, 1869   |
| 3060                                | $A_5 : 2 \times 2$                   | 240   | 249480 | 4958, 4976, 4968, 7423 (5), 7849 (6), 9158 (10)          | 805, 1865, 1868, 1869, 1870, 1871, 1872, 1873   |
| 3061                                | $A_5 : 2 \times 2$                   | 240   | 249480 | 4969, 4958, 4977, 7424 (5), 7850 (6), 9159 (10)          | 806, 1867 (2), 1870, 1873 (2)   |
| 3062                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 498960 | 4959, 4962 (2), 4988, 4960 (2), 4985, 5811 (3), 7425 (5) | 807, 1845, 1892, 1914   |
| 3063                                | $15 : 2 \times 2 \cdot 2 \times 2$   | 240   | 498960 | 4961 (2), 4989, 4984, 4963 (2), 4959, 5810, 7426 (5)     | 808, 1845, 1893, 1915   |
| 3064                                | $2 \times 10 : 3 : 2 \cdot 2$        | 240   | 498960 | 4971, 5812, 7129 (4), 7370 (5)                           | 811, 836, 961, 1448, 1839, 1874, 1875   |
| 3065                                | $A_5 \times 2 \times 2$              | 240   | 83160  | 4968 (3), 7427 (5), 7851 (6), 9160 (10)                  | 825, 1451, 1868, 1877 (3), 1879 (3), 1880, 1896 (3), 1906 (3), 1909                             |
| 3066                                | $A_5 \times 2 \times 2$              | 240   | 27720  | 4967 (3), 7428 (5), 7851 (6), 9161 (10)                  | 825 (3), 1452, 1471, 1472 (2), 1833 (3), 1876 (3), 1878 (3), 1881, 1897 (9), 1907 (9), 1908 (3) |
| 3067                                | $A_5 \times 2 \times 2$              | 240   | 249480 | 4966 (2), 4968, 7429 (5), 7852 (6), 9162 (10)            | 826, 1432 (4), 1850, 1853, 1866, 1869, 1879, 1887, 1912   |
| 3068                                | $A_5 \times 2 \times 2$              | 240   | 83160  | 4965 (2), 4967, 7430 (5), 7852 (6), 9163 (10)            | 826 (3), 1430 (6), 1481, 1831, 1834 (3), 1847 (3), 1852 (3), 1878, 1886, 1913 (3)               |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups                               | Minimal Overgroups  |
| 3069                                | $A_5 : 2 \times 2$            | 240   | 249480 | 4969, 4964, 4968, 7431 (5), 7853 (6), 9164 (10) | 827, 964 (4), 1429 (4), 1436 (4), 1851, 1866, 1870, 1880, 1885, 1898, 1902                            |
| 3070                                | $S_5 \times 2$                | 240   | 83160  | 4970, 4953, 4967, 7432 (5), 7853 (6), 9165 (10) | 827 (3), 965 (6), 1431 (6), 1433 (12), 1486, 1831, 1835 (3), 1848 (3), 1881, 1884, 1899 (3), 1903 (3) |
| 3071                                | $A_5 \times 2 \cdot 2$        | 240   | 249480 | 4968, 7433 (5), 7854 (6), 9166 (10)             | 828, 962 (4), 1871, 1877, 1885, 1887, 1901, 1925, 1929  |
| 3072                                | $A_5 \times 2 \cdot 2$        | 240   | 83160  | 4967, 7413 (5), 7854 (6), 9167 (10)             | 828 (3), 963 (6), 1488, 1836 (3), 1876, 1884, 1886, 1900 (3), 1924 (3), 1928 (3)                      |
| 3073                                | $A_5 \times 2 \cdot 2$        | 240   | 83160  | 4967, 7434 (5), 7855 (6), 9168 (10)             | 829 (3), 966 (6), 1489, 1837 (3), 1878, 1883, 1884, 1904 (3), 1918 (3), 1922 (3)                      |
| 3074                                | $A_5 \times 2 \cdot 2$        | 240   | 249480 | 4968, 7435 (5), 7855 (6), 9169 (10)             | 829, 967 (4), 1872, 1879, 1882, 1885, 1905, 1919, 1923  |
| 3075                                | $A_5 : 2 \times 2$            | 240   | 249480 | 4969 (2), 4968, 7436 (5), 7856 (6), 9140 (10)   | 830, 1873, 1880, 1882, 1887, 1910, 1921, 1926   |
| 3076                                | $S_5 \times 2$                | 240   | 83160  | 4970 (2), 4967, 7437 (5), 7856 (6), 9170 (10)   | 830 (3), 1491, 1838 (3), 1881, 1883, 1886, 1911 (3), 1920 (3), 1927 (3)                               |
| 3077                                | $D_{20} \times 2 : S_3$       | 240   | 166320 | 5000, 4997, 4971, 5819 (3), 7131 (4), 7432 (5)  | 837, 838 (3), 965 (3), 1468, 1842 (3), 1857, 1874 (3)   |
| 3078                                | $2 \times 10 : 3 : 2 \cdot 2$ | 240   | 166320 | 4971, 5820, 7132 (4), 7434 (5)                  | 839, 840 (3), 966 (3), 1467, 1843 (3), 1857, 1875 (3)   |
| 3079                                | $D_{20} \times 2 \cdot S_3$   | 240   | 498960 | 4972, 5826 (3), 7135 (4), 7433 (5)              | 841, 842, 962 (2), 1840, 1888, 1891   |
| 3080                                | $2 \times 10 : 3 : 2 \cdot 2$ | 240   | 498960 | 4972, 5827, 7126 (4), 7435 (5)                  | 843, 844, 967 (2), 1844, 1888, 1889   |
| 3081                                | $D_{20} \times 2 : S_3$       | 240   | 498960 | 4972, 4998, 4999, 5828 (3), 7136 (4), 7431 (5)  | 845, 846, 964 (2), 1841, 1888, 1890   |

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|-------------------------------------|--------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 3082                                | $D_{20} \times 2 \cdot S_3$    | 240   | 498960 | 4971, 5829 (3), 7133 (4), 7377 (5)                           | 847, 848, 969, 1465, 1843, 1858, 1874   |
| 3083                                | $2 \times 10 : 3 : 2 \times 2$ | 240   | 498960 | 5003, 5002, 4971, 5830, 7134 (4), 7438 (5)                   | 849, 850, 968, 1466, 1842, 1858, 1875   |
| 3084                                | $2 \times 10 : 3 : 2 \cdot 2$  | 240   | 498960 | 4972, 5809, 7124 (4), 7439 (5)                               | 851, 852, 1840, 1889, 1890  |
| 3085                                | $D_{20} \times 2 \cdot S_3$    | 240   | 498960 | 4972, 5831 (3), 7137 (4), 7440 (5)                           | 853, 854, 1844, 1890, 1891  |
| 3086                                | $2 \times 10 : 3 \times 2 : 2$ | 240   | 498960 | 4972, 5012, 5013, 5832, 7125 (4), 7441 (5)                   | 855, 856, 1841, 1889, 1891  |
| 3087                                | $15 : 2 \times 2 \cdot 2 : 2$  | 240   | 498960 | 4959, 4978, 4991, 5818, 7442 (5)                             | 857, 1444, 1859, 1892, 1893   |
| 3088                                | $D_{20} \times 2 : S_3$        | 240   | 498960 | 5016, 5006, 5004, 5017, 4978, 4990, 4935, 5824 (3), 7443 (5) | 858, 1412, 1859, 1894, 1895   |
| 3089                                | $A_5 : 2 \times 2$             | 240   | 249480 | 4976 (2), 4968, 7444 (5), 7857 (6), 9139 (10)                | 859, 1434 (4), 1849, 1853, 1868, 1898, 1901, 1919, 1921                       |
| 3090                                | $S_5 \times 2$                 | 240   | 249480 | 4951 (2), 4967, 7445 (5), 7857 (6), 9171 (10)                | 859, 1426 (4), 1479, 1833, 1846, 1852, 1899, 1900, 1918, 1920                 |
| 3091                                | $A_5 \times 2 \times 2$        | 240   | 249480 | 4967, 4952 (2), 7446 (5), 7858 (6), 9172 (10)                | 860, 1428 (4), 1493, 1838, 1847, 1854, 1899, 1904, 1908, 1928                 |
| 3092                                | $A_5 \times 2 \times 2$        | 240   | 249480 | 4968, 4977 (2), 7447 (5), 7858 (6), 9173 (10)                | 860, 1435 (4), 1850, 1855, 1873, 1898, 1905, 1909, 1929                       |
| 3093                                | $A_5 \times 2 \times 2$        | 240   | 83160  | 4967 (3), 7448 (5), 7859 (6), 9174 (10)                      | 861, 1422 (3), 1457, 1830, 1897 (3), 1900 (3), 1903, 1904 (3), 1911 (3), 1913 |
| 3094                                | $A_5 \times 2 \times 2$        | 240   | 83160  | 4968 (3), 7449 (5), 7859 (6), 9175 (10)                      | 861, 1456, 1865, 1896 (3), 1901 (3), 1902, 1905 (3), 1910 (3), 1912           |

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|-------------------------------------|--------------------------------------|-------|---------|--|---|
| Nr.                                 | Structure                            | Order | Length  | Maximal Subgroups  | Minimal Overgroups                              |
| 3095                                | $A_5 : 2 \times 2$                   | 240   | 83160   | 4964, 4976, 4977, 7450 (5), 7845 (6), 9176 (10)                              | 862, 1458 (4), 1460 (4), 1870 (3), 1898 (6)     |
| 3096                                | $A_5 : 2 \times 2$                   | 240   | 498960  | 4976, 4969, 4977, 7451 (5), 7860 (6), 9177 (10)                              | 863, 1462 (2), 1464 (2), 1873, 1898, 1921       |
| 3097                                | $S_5 \times 2$                       | 240   | 498960  | 4951, 4970, 4952, 7452 (5), 7860 (6), 9178 (10)                              | 863, 1461 (2), 1463 (2), 1492, 1838, 1899, 1920 |
| 3098                                | $D_{20} \times 2 \cdot S_3$          | 240   | 498960  | 4993, 4978, 4985, 5829 (3), 7453 (5)   | 864, 1465, 1860, 1892, 1895                     |
| 3099                                | $D_{20} \times 2 \cdot S_3$          | 240   | 997920  | 4979, 5829 (3), 7137 (4), 7454 (5)   | 865, 1465, 1856                                 |
| 3100                                | $D_{20} \times 2 \times S_3$         | 240   | 166320  | 4978, 5018 (3), 5007, 5019 (3), 5010, 4996 (3), 4988 (3), 5830 (3), 7455 (5) | 866, 1466, 1861, 1892 (3), 1894 (3)             |
| 3101                                | $15 : 2 \times 2 \cdot 2 \times 2$   | 240   | 166320  | 4989 (3), 4994 (3), 4978, 5820, 7456 (5)                                     | 867, 1467, 1861, 1893 (3), 1895 (3)             |
| 3102                                | $2 \times 10 : 3 : 2 \cdot 2$        | 240   | 332640  | 4979, 5820, 7126 (4), 7457 (5)   | 868, 1467, 1856 (3)                             |
| 3103                                | $D_8 \times (15 : 2)$                | 240   | 498960  | 4984, 5008, 5009, 4992, 4978, 5020, 5021, 5819, 7458 (5)                     | 869, 1468, 1860, 1893, 1894                     |
| 3104                                | $A_5 : 2 \times 2$                   | 240   | 1995840 | 4980, 4920, 4981, 7459 (5), 7838 (6), 9179 (10)                              | 871   |
| 3105                                | $D_{10} \cdot 2 \times 2 : S_3$      | 240   | 498960  | 4991, 4935, 4982, 5826 (3), 7460 (5)   | 874, 1859, 1916, 1917                           |
| 3106                                | $D_{10} \cdot 2 \times 2 \cdot S_3$  | 240   | 498960  | 4959, 4990, 4982, 5804 (3), 7461 (5)   | 875, 1859, 1914, 1915                           |
| 3107                                | $D_{20} \times 2 \cdot S_3$          | 240   | 498960  | 4982, 4984, 4993, 5807 (3), 7462 (5)   | 876, 1860, 1915, 1916                           |
| 3108                                | $D_{20} \cdot 2 \cdot S_3$           | 240   | 498960  | 4985, 4992, 4982, 5833 (3), 7463 (5)   | 877, 1860, 1914, 1917                           |
| 3109                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 498960  | 4987 (2), 4994, 4988, 4995 (2), 4982, 5834 (3), 7464 (5)                     | 878, 1861, 1914, 1916                           |
| 3110                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 498960  | 4986 (2), 4995 (2), 4996, 4989, 4982, 5825 (3), 7465 (5)                     | 879, 1861, 1915, 1917                           |

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|-------------------------------------|--------------------------------------|-------|--------|--|--|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 3111                                | $D_{10} \cdot 2 \times 2 : S_3$      | 240   | 498960 | 4959, 4996, 4993, 5808 (3), 7466 (5)                         | 880, 1862, 1892, 1915  |
| 3112                                | $D_{10} \cdot 2 \times 2 : S_3$      | 240   | 498960 | 4993, 4935, 4994, 5831 (3), 7467 (5)                         | 881, 1862, 1895, 1916  |
| 3113                                | $D_{20} \cdot 2 : S_3$               | 240   | 498960 | 4935, 5022, 5023, 4992, 4996, 5024, 5025, 5828 (3), 7468 (5) | 882, 1862, 1894, 1917  |
| 3114                                | $15 : 2 \times 2 \cdot 2 \cdot 2$    | 240   | 498960 | 4959, 4992, 4994, 5821, 7469 (5)                             | 883, 1862, 1893, 1914  |
| 3115                                | $D_{10} \cdot 2 \times 2 \cdot S_3$  | 240   | 498960 | 4989, 4990, 4993, 5806 (3), 7418 (5)                         | 884, 1863, 1895, 1915  |
| 3116                                | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 498960 | 5026 (2), 4993, 4988, 5027 (2), 4991, 5836 (3), 7470 (5)     | 885, 1863, 1892, 1916  |
| 3117                                | $D_{20} \cdot 2 \times S_3$          | 240   | 498960 | 4988, 5028, 5029, 4992, 4990, 5030, 5031, 5835 (3), 7416 (5) | 886, 1863, 1894, 1914  |
| 3118                                | $15 : 2 \times 2 \cdot 2 \cdot 2$    | 240   | 498960 | 4989, 4992, 4991, 5822, 7471 (5)                             | 887, 1863, 1893, 1917  |
| 3119                                | $D_{10} \cdot 2 \times 2 : S_3$      | 240   | 498960 | 4985, 4996, 4991, 5838 (3), 7472 (5)                         | 888, 1864, 1892, 1917  |
| 3120                                | $15 : 2 \times 2 \cdot 2 : 2$        | 240   | 498960 | 4991, 4984, 4994, 5823, 7473 (5)                             | 889, 1864, 1893, 1916  |
| 3121                                | $D_{20} \times 2 : S_3$              | 240   | 498960 | 4984, 5032, 5033, 4990, 4996, 5034, 5035, 5805 (3), 7474 (5) | 890, 1864, 1894, 1915  |
| 3122                                | $D_{10} \cdot 2 \times 2 \cdot S_3$  | 240   | 498960 | 4985, 4990, 4994, 5837 (3), 7475 (5)                         | 891, 1864, 1895, 1914  |
| 3123                                | $A_5 \times 2 \times 2$              | 240   | 249480 | 4977, 4966, 4968, 7476 (5), 7861 (6), 9141 (10)              | 892, 1867, 1870, 1909, 1912, 1921, 1923, 1925                          |
| 3124                                | $A_5 \times 2 \times 2$              | 240   | 249480 | 4952, 4967, 4965, 7438 (5), 7861 (6), 9180 (10)              | 892, 968 (2), 1437 (2), 1485, 1832, 1835, 1908, 1913, 1920, 1922, 1924 |
| 3125                                | $S_5 \times 2$                       | 240   | 249480 | 4970 (2), 4967, 7477 (5), 7862 (6), 9181 (10)                | 893, 1438 (2), 1482, 1832, 1834, 1903, 1907, 1918, 1927, 1928          |

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|-------------------------------------|---------------------------|-------|--------|--|--|
| Nr.                                 | Structure                 | Order | Length | Maximal Subgroups  | Minimal Overgroups                                     |
| 3126                                | $A_5 : 2 \times 2$        | 240   | 249480 | 4969 (2), 4968, 7478 (5), 7862 (6), 9182 (10)                | 893, 1867, 1869, 1902, 1906, 1919, 1926, 1929          |
| 3127                                | $S_5 \times 2$            | 240   | 249480 | 4970, 4951, 4965, 7479 (5), 7863 (6), 9183 (10)              | 894, 970 (2), 1480 (2), 1484, 1834 (2), 1835, 1920 (2) |
| 3128                                | $A_5 : 2 \times 2$        | 240   | 249480 | 4969, 4976, 4966, 7480 (5), 7863 (6), 9184 (10)              | 894, 1869 (2), 1870, 1921 (2)                          |
| 3129                                | $2^2 \times 10 : S_3$     | 240   | 498960 | 5003, 5001, 4997, 5841 (3), 7144 (4), 7479 (5)               | 970, 1494, 1842  |
| 3130                                | $D_{20} \times 2 : S_3$   | 240   | 498960 | 5000, 5001, 5002, 5842 (3), 7145 (4), 7403 (5)               | 971, 1495, 1842  |
| 3131                                | $D_{20} : 2 : S_3$        | 240   | 498960 | 4936, 5007, 5004, 5034, 5008, 5028, 5025, 5839 (3), 7481 (5) | 1413, 1894   |
| 3132                                | $D_8 \times 5 \times S_3$ | 240   | 498960 | 5010, 5033, 4937, 5004, 5009, 5023, 5029, 5840 (3), 7482     | 1414, 1894   |
| 3133                                | $D_{20} : 2 \times S_3$   | 240   | 498960 | 5015, 5006, 5010, 5032, 5008, 5022, 5031, 5841 (3), 7483 (5) | 1494, 1894   |
| 3134                                | $D_8 \times 5 : S_3$      | 240   | 498960 | 5014, 5006, 5009, 5030, 5007, 5024, 5035, 5842 (3), 7484 (5) | 1495, 1894   |
| 3135                                | $D_{20} \times 2 : S_3$   | 240   | 498960 | 5012, 5011, 4999, 5843 (3), 7146 (4), 7485 (5)               | 1841   |
| 3136                                | $2^2 \times 10 : S_3$     | 240   | 498960 | 5013, 4998, 5011, 5844 (3), 7147 (4), 7486 (5)               | 1841   |
| 3137                                | $Q_{20} : 2 \times S_3$   | 240   | 498960 | 5021, 5016, 4937, 5031, 5025, 5019, 5035, 5844 (3), 7363 (5) | 1894   |
| 3138                                | $D_{40} : S_3$            | 240   | 498960 | 5016, 5030, 5023, 5018, 5020, 5032, 4936, 5843 (3), 7487 (5) | 1894   |

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|-------------------------------------|-------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 3139                                | $Q_{20} : 2 : S_3$            | 240   | 498960 | 5021, 5017, 5033, 5022, 5028, 5018, 5014, 5845 (3), 7488 (5) | 1894  |
| 3140                                | $D_{40} \times S_3$           | 240   | 498960 | 5019, 5024, 5029, 5017, 5020, 5034, 5015, 5846 (3), 7489 (5) | 1894  |
| 3141                                | $2^3 : 7 \times 2 \times 2$   | 224   | 118800 | 5038 (3), 8229, 9090 (8)                                     | 1506, 1511 (2), 1512, 1930 (3)  |
| 3142                                | $2^3 : 7 \times 2 \times 2$   | 224   | 356400 | 5036 (2), 5038, 8230, 9091 (8)                               | 1508, 1930  |
| 3143                                | $2^3 : 7 \times 2 \cdot 2$    | 224   | 356400 | 5038, 8231, 9092 (8)   | 1510, 1930  |
| 3144                                | $M_9 : 3$                     | 216   | 184800 | 5915, 7190 (4), 9185 (9)                                     | 37, 1515, 1931 (3), 1932, 1933 (3)  |
| 3145                                | $A_4 \times 3 : S_3$          | 216   | 277200 | 5065, 5852, 6008 (6), 5911 (3), 6061 (3), 7191 (4)           | 252, 1097 (2), 1174 (2), 1216 (2), 1936, 1937, 1938, 1939, 1940, 1941, 1942 |
| 3146                                | $S_3 \times S_3 : S_3$        | 216   | 554400 | 5045, 5071, 5043, 5863 (3), 9186 (9)                         | 419 (2), 1175, 1517 (2), 1535, 1536, 1943, 1963, 2016                       |
| 3147                                | $S_3 \times S_3 \times S_3$   | 216   | 554400 | 5046 (2), 5072, 5043, 5044 (2), 5047, 5946 (6), 5865 (3)     | 420 (2), 1176, 1552, 1943, 1968, 1981                                       |
| 3148                                | $S_3 \times 3 \times S_3 : 2$ | 216   | 554400 | 5048, 5073, 5043, 5864, 9187 (9)                             | 421 (2), 1177, 1554, 1943, 1969, 1977                                       |
| 3149                                | $3 : S_3 \cdot 2 : S_3$       | 216   | 554400 | 5048, 5071, 5047, 5876 (3), 9188 (9)                         | 424 (2), 1178, 1518 (2), 1537, 1538, 1943, 1965, 1979                       |
| 3150                                | $3 : S_3 \cdot 2 \times S_3$  | 216   | 554400 | 5048, 5072, 5045, 5877 (3), 9189 (9)                         | 425 (2), 1179, 1558, 1943, 1971, 2015                                       |
| 3151                                | $S_3 \times S_3 : S_3$        | 216   | 554400 | 5045, 5073, 5047, 5869 (3), 9190 (9)                         | 426 (2), 1180, 1560, 1943, 1970, 2014                                       |
| 3152                                | $A_4 \times 3 \times S_3$     | 216   | 277200 | 5065, 5879, 5878 (2), 6051, 6052 (3), 7186 (4)               | 428 (2), 1944, 1945, 1947, 1960, 2042, 2051, 2053                           |
| 3153                                | $A_4 \times 3 : S_3$          | 216   | 277200 | 5065, 6053, 5880 (6), 6077 (3), 5881 (3), 7187 (4)           | 431 (2), 1945, 1947, 1948, 1962, 2046, 2050, 2052                           |
| 3154                                | $6^2 : S_3$                   | 216   | 138600 | 5066, 5912 (2), 5914 (2), 6099 (3), 7189 (4)                 | 437, 1950 (2), 1952, 1953, 1956 (2), 1958, 1959 (2), 1961 (2)               |

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|-------------------------------------|-------------------------------|-------|---------|--|---|
| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 3155                                | $6^2 : S_3$                   | 216   | 138600  | 5065, 5911 (2), 5913 (2), 6099 (3), 7188 (4)                           | 437, 1937 (2), 1951, 1954, 1955 (2), 1957, 1960 (2), 1962 (2) |
| 3156                                | $3 : S_3 \cdot 2 : S_3$       | 216   | 184800  | 5082, 5071, 5050, 5924 (3), 9191 (9)                                   | 630, 1200 (3), 1516, 1520, 1963 (3), 1964, 1965 (3)           |
| 3157                                | $S_3 \times S_3 \times S_3$   | 216   | 184800  | 5049 (3), 5071, 5053 (3), 5919 (9)                                     | 631 (3), 1167 (3), 1533, 1534, 1963 (3), 1966, 1979 (3)       |
| 3158                                | $S_3 \times S_3 \times S_3$   | 216   | 554400  | 5072, 5056 (2), 5049, 5074, 5055 (2), 5927 (6), 5921 (3)               | 632 (2), 1170 (2), 1202, 1539, 1966, 1968, 2015               |
| 3159                                | $S_3 \times 6 \times S_3$     | 216   | 554400  | 5049, 5073, 5058 (2), 5075, 5056 (2), 5920, 5928 (6)                   | 633 (2), 1171 (2), 1203, 1541, 1966, 1969, 2014               |
| 3160                                | $S_3 \times 3 \times S_3 : 2$ | 216   | 554400  | 5043, 5050, 5049, 5924, 9192 (9)                                       | 634, 1204, 1520, 1963, 1968, 1969                             |
| 3161                                | $3 : S_3 \cdot 2 \times S_3$  | 216   | 554400  | 5053, 5050, 5045, 5942 (3), 9150 (9)                                   | 635, 636, 1184, 1521, 1963, 1970, 1971                        |
| 3162                                | $3 : S_3 \cdot 2 \times S_3$  | 216   | 554400  | 5052, 5064, 5101, 5942 (3), 9151 (9)                                   | 637, 638, 1185, 1521, 1972, 1973, 1974                        |
| 3163                                | $3 : S_3 \cdot 2 \times S_3$  | 216   | 184800  | 5072, 5050, 5084, 5941 (3), 9193 (9)                                   | 639, 1206 (3), 1523, 1964, 1968 (3), 1971 (3)                 |
| 3164                                | $S_3 \times 3 \times S_3 : 2$ | 216   | 184800  | 5050, 5073, 5085, 5940, 9194 (9)                                       | 640, 1207 (3), 1524, 1964, 1969 (3), 1970 (3)                 |
| 3165                                | $3 : S_3 \cdot 2 : S_3$       | 216   | 554400  | 5047, 5050, 5074, 5943 (3), 9195 (9)                                   | 641, 1211, 1522, 1965, 1968, 1970                             |
| 3166                                | $3^2 : S_3 \cdot 2 \times 2$  | 216   | 554400  | 5075, 5050, 5048, 5941, 9196 (9)                                       | 642, 1212, 1523, 1965, 1969, 1971                             |
| 3167                                | $S_3 \times S_3 \times S_3$   | 216   | 554400  | 5051 (2), 5076, 5052, 5094 (2), 5093, 5931 (6), 6100 (3)               | 643, 1181, 1550, 1972, 1976, 1980                             |
| 3168                                | $S_3 \times S_3 \times S_3$   | 216   | 1108800 | 5097, 5057, 5051, 5077, 5095, 5054, 5096, 5945 (3), 5946 (3), 6101 (3) | 644, 1182, 1552, 1976   |
| 3169                                | $6 \times S_3 \times S_3$     | 216   | 1108800 | 5059, 5078, 5057, 5098, 5051, 5099, 5100, 5944, 6102 (3), 5947 (3)     | 645, 1183, 1553, 1976   |

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| Nr.                                 | Structure                    | Order | Length  | Maximal Subgroups   | Minimal Overgroups                                |
| 3170                                | $S_3 \times S_3 \times S_3$  | 216   | 554400  | 5052, 5079, 5057 (2),<br>5102, 5103 (2), 6025<br>(3), 5934 (6)                  | 646, 1187, 1557,<br>1973, 1976, 1978              |
| 3171                                | $S_3 \times S_3 \times S_3$  | 216   | 554400  | 5074, 5073, 5056 (2),<br>5053, 5091 (2), 6025<br>(3), 5933 (6)                  | 647, 1172 (2), 1186,<br>1557, 1966, 1970,<br>1977 |
| 3172                                | $6 \times S_3 : S_3$         | 216   | 554400  | 5080, 5059, 5106,<br>5054, 5104, 5052,<br>5105, 6103 (3), 5936<br>(6), 5932 (6) | 648, 1188, 1559,<br>1974, 1976, 1982              |
| 3173                                | $S_3 \times 6 : S_3$         | 216   | 554400  | 5072, 5058, 5053,<br>5075, 5091, 5092,<br>5055, 5933 (6), 6047<br>(3), 5934 (6) | 649, 1173 (2), 1189,<br>1557, 1966, 1971,<br>1981 |
| 3174                                | $S_3 \times S_3 \times S_3$  | 216   | 554400  | 5107 (2), 5081, 5052,<br>5061 (2), 5108, 5884<br>(3), 5935 (6)                  | 650, 1190, 1563,<br>1972, 1978, 1982              |
| 3175                                | $S_3 \times S_3 \times S_3$  | 216   | 554400  | 5060 (2), 5082, 5053,<br>5109 (2), 5043, 5931<br>(6), 6104 (3)                  | 651, 1191, 1550,<br>1963, 1977, 1981              |
| 3176                                | $3 : S_3 \cdot 2 \times S_3$ | 216   | 554400  | 5083, 5052, 5110,<br>5886 (3), 9152 (9)   | 652, 1192, 1564,<br>1974, 1978, 1980              |
| 3177                                | $3 : S_3 \cdot 2 \times S_3$ | 216   | 554400  | 5084, 5053, 5048,<br>6105 (3), 9153 (9)   | 653, 1193, 1556,<br>1971, 1977, 1979              |
| 3178                                | $S_3 \times S_3 \times S_3$  | 216   | 554400  | 5063 (2), 5053, 5085,<br>5113 (2), 5047, 6029<br>(3), 5932 (6)                  | 654, 1195, 1559,<br>1970, 1979, 1981              |
| 3179                                | $S_3 \times S_3 \times S_3$  | 216   | 554400  | 5111 (2), 5052, 5086,<br>5062 (2), 5112, 6029<br>(3), 5936 (6)                  | 655, 1194, 1559,<br>1973, 1980, 1982              |
| 3180                                | $S_3 \times S_3 \times S_3$  | 216   | 1108800 | 5054, 5087, 5062,<br>5114, 5061, 5115,<br>5116, 6106 (3), 5958<br>(3), 5956 (3) | 656, 1196, 1566, 1982                             |
| 3181                                | $S_3 \times S_3 \times S_3$  | 216   | 1108800 | 5044, 5088, 5118,<br>5055, 5060, 5063,<br>5117, 6107 (3), 5957<br>(3), 5955 (3) | 657, 1197, 1567, 1981                             |
| 3182                                | $S_3 \times 6 \times S_3$    | 216   | 1108800 | 5046, 5058, 5120,<br>5089, 5060, 5119,<br>5063, 5953, 6108 (3),<br>5939 (3)     | 658, 1198, 1571, 1981                             |

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|-------------------------------------|-------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 3183                                | $6 \times S_3 \times S_3$     | 216   | 1108800 | 5123, 5090, 5062, 5061, 5122, 5121, 5059, 5952, 5954 (3), 6109 (3) | 659, 1199, 1572, 1982  |
| 3184                                | $3 : S_3 \cdot 2 : S_3$       | 216   | 184800  | 5081, 5076, 5064, 5959 (3), 9197 (9)                               | 660, 1208 (3), 1525, 1972 (3), 1984, 1987 (3)  |
| 3185                                | $S_3 \times 3 \times S_3 : 2$ | 216   | 184800  | 5064, 5079, 5086, 5940, 9198 (9)                                   | 661, 1209 (3), 1524, 1973 (3), 1984, 1985 (3)  |
| 3186                                | $3 : S_3 \cdot 2 \times S_3$  | 216   | 184800  | 5083, 5080, 5064, 5960 (3), 9199 (9)                               | 662, 1210 (3), 1526, 1974 (3), 1984, 1986 (3)  |
| 3187                                | $S_3 \times 3 \times S_3 : 2$ | 216   | 554400  | 5108, 5064, 5093, 5959, 9200 (9)                                   | 663, 1213, 1525, 1972, 1985, 1986  |
| 3188                                | $3 : S_3 \cdot 2 : S_3$       | 216   | 554400  | 5112, 5064, 5102, 5943 (3), 9201 (9)                               | 664, 1214, 1522, 1973, 1986, 1987  |
| 3189                                | $3 \times 6 : S_3 \cdot 2$    | 216   | 554400  | 5064, 5105, 5110, 5960, 9202 (9)                                   | 665, 1215, 1526, 1974, 1985, 1987  |
| 3190                                | $A_4 \times 3 \times S_3$     | 216   | 277200  | 5065, 5961, 5962 (2), 5949, 6041 (3), 7188 (4)                     | 666, 1937, 1938, 1967, 1988, 1989, 1990, 1991  |
| 3191                                | $M_9 : 3$                     | 216   | 1108800 | 5916, 7192 (4), 9203 (9)   | 674, 1935  |
| 3192                                | $A_4 \times 3 : S_3$          | 216   | 277200  | 5066, 6012, 5854 (6), 6016 (3), 6110 (3), 7193 (4)                 | 1099 (2), 1950, 1992, 1993, 1994, 2027, 2029, 2033   |
| 3193                                | $A_4 \times 3 : S_3$          | 216   | 138600  | 5066, 6111, 5951 (6), 5950 (6), 7194 (4)                           | 1100 (2), 1952, 1983, 1992, 1995, 1997, 1999, 2001, 2004, 2026, 2034, 2035, 2038, 2041, 2043, 2045           |
| 3194                                | $A_4 \times 3 : S_3$          | 216   | 138600  | 5065, 6046, 5948 (6), 5949 (6), 7191 (4)                           | 1101 (2), 1174 (4), 1936, 1944, 1946, 1948, 1949, 1951, 1967, 1975, 1996, 1998, 2000, 2002, 2003, 2021, 2022 |

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|-------------------------------------|-----------------------------|-------|---------|--|--|
| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 3195                                | $A_4 \times 3 : S_3$        | 216   | 138600  | 5066, 6112 (3), 6021 (6), 6113 (12), 5857 (12), 6039 (6), 7195 (4) | 1102 (2), 1953, 1993 (2), 1997, 2005 (2), 2028 (2), 2039, 2047 (2)           |
| 3196                                | $A_4 \times 3 : S_3$        | 216   | 138600  | 5065, 6062 (3), 6022 (6), 6080 (12), 6063 (12), 6038 (6), 7196 (4) | 1103 (2), 1224 (4), 1939 (2), 1945 (2), 1954, 1988 (2), 1998, 2006 (2), 2025 |
| 3197                                | $A_4 \times 3 \times S_3$   | 216   | 277200  | 5065, 6064, 6065 (2), 6018, 6023 (3), 7197 (4)                     | 1104 (2), 1225 (2), 1226 (2), 1939, 1940, 1955, 1989, 1990, 1996, 2023       |
| 3198                                | $A_4 \times 3 \times S_3$   | 216   | 277200  | 5066, 6114, 5858 (2), 6017, 6024 (3), 7198 (4)                     | 1105 (2), 1956, 1993, 1994, 1995, 2030, 2032, 2036                           |
| 3199                                | $6^2 : S_3$                 | 216   | 138600  | 5065, 6011 (2), 6020 (2), 6066 (3), 7197 (4)                       | 1106 (2), 1226 (4), 1940 (2), 1947 (2), 1957, 1991 (2), 1998, 2007 (2), 2024 |
| 3200                                | $6^2 : S_3$                 | 216   | 138600  | 5066, 6034 (2), 6019 (2), 6115 (3), 7199 (4)                       | 1107 (2), 1958, 1994 (2), 1997, 2008 (2), 2031 (2), 2037, 2055 (2)           |
| 3201                                | $A_4 \times 3 : S_3$        | 216   | 277200  | 5065, 6033, 6116 (6), 6117 (3), 6006 (3), 7200 (4)                 | 1108 (2), 1960, 2000, 2006, 2007, 2042, 2050, 2052                           |
| 3202                                | $A_4 \times 3 : S_3$        | 216   | 277200  | 5066, 6032, 6118 (6), 6119 (3), 6037 (3), 7201 (4)                 | 1109 (2), 1959, 1999, 2005, 2008, 2040, 2049, 2056                           |
| 3203                                | $A_4 \times 3 \times S_3$   | 216   | 277200  | 5066, 6120, 6121 (2), 6035, 6040 (3), 7202 (4)                     | 1110 (2), 1961, 2004, 2005, 2008, 2044, 2048, 2054                           |
| 3204                                | $A_4 \times 3 \times S_3$   | 216   | 277200  | 5065, 6122, 6123 (2), 6036, 6007 (3), 7203 (4)                     | 1111 (2), 1962, 2003, 2006, 2007, 2046, 2051, 2053                           |
| 3205                                | $6 : S_3 : S_3$             | 216   | 2217600 | 5068, 5130, 5133, 5067, 5069, 5134, 5132, 6088 (3), 6124 (3)       | 1166, 1527, 1528   |
| 3206                                | $S_3 \times S_3 \times S_3$ | 216   | 61600   | 5071, 5072 (3), 5073 (3), 5920 (9)                                 | 1168 (9), 1519 (2), 1541, 1542, 1943 (9), 1964 (3), 1966 (3)                 |

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|-------------------------------------|-----------------------------|-------|---------|--|--|
| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 3207                                | $6 : S_3 : S_3$             | 216   | 184800  | 5075 (3), 5071, 5074 (3), 5921 (9)   | 1169 (3), 1539, 1540, 1965 (3), 1966, 2016 (3) |
| 3208                                | $S_3 \times S_3 \times S_3$ | 216   | 184800  | 5078 (2), 5079, 5077 (2), 5080, 5076, 6125 (3), 5953 (6)                         | 1217 (3), 1571, 1976 (3), 1984, 2012 (3)       |
| 3209                                | $S_3 \times S_3 : S_3$      | 216   | 184800  | 5082, 5073, 5084, 5864 (3), 9204 (9)   | 1218 (3), 1554, 1964, 1977 (3), 2014 (3)       |
| 3210                                | $S_3 \times S_3 : S_3$      | 216   | 184800  | 5081, 5079, 5083, 5872 (3), 9205 (9)   | 1219 (3), 1573, 1978 (3), 1984, 2010 (3)       |
| 3211                                | $S_3 \times S_3 : S_3$      | 216   | 184800  | 5085, 5071, 5084, 6126 (3), 9206 (9)   | 1220 (3), 1543, 1544, 1964, 1979 (3), 2016 (3) |
| 3212                                | $S_3 \times S_3 : S_3$      | 216   | 184800  | 5083, 5086, 5076, 6127 (3), 9207 (9)   | 1221 (3), 1570, 1980 (3), 1984, 2011 (3)       |
| 3213                                | $S_3 \times S_3 \times S_3$ | 216   | 184800  | 5088 (2), 5089 (2), 5072, 5082, 5085, 6128 (3), 5944 (6)                         | 1222 (3), 1553, 1964, 1981 (3), 2015 (3)       |
| 3214                                | $S_3 \times S_3 \times S_3$ | 216   | 184800  | 5090 (2), 5081, 5086, 5087 (2), 5080, 5952 (6), 6129 (3)                         | 1223 (3), 1572, 1982 (3), 1984, 2013 (3)       |
| 3215                                | $S_3 \times S_3 \times S_3$ | 216   | 554400  | 5080, 5102, 5098 (2), 5093, 5095 (2), 5955 (6), 6130 (3)                         | 1230, 1567, 1976, 1986, 2013                   |
| 3216                                | $6 : S_3 : S_3$             | 216   | 554400  | 5076, 5102, 5100 (2), 5105, 5096 (2), 5957 (6), 6130 (3)                         | 1231, 1567, 1976, 1987, 2011                   |
| 3217                                | $S_3 \times 6 \times S_3$   | 216   | 554400  | 5097 (2), 5079, 5099 (2), 5093, 5105, 6125, 5939 (6)                             | 1232, 1571, 1976, 1985, 2010                   |
| 3218                                | $S_3 \times S_3 \times S_3$ | 216   | 1108800 | 5078, 5103, 5098, 5097, 5104, 5096, 5094, 6050 (3), 6083 (3), 6131 (3)           | 1233, 1529, 1976                               |
| 3219                                | $S_3 \times 6 : S_3$        | 216   | 1108800 | 5099, 5100, 5094, 5095, 5106, 5103, 5077, 6075 (3), 6131 (3), 5853 (3), 6049 (6) | 1234, 1529, 1976                               |

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|-------------------------------------|-------------------------------|-------|---------|--|------------------------------|
| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups           |
| 3220                                | $S_3 \times S_3 : S_3$        | 216   | 554400  | 5045, 5049, 5082, 5863 (3), 9208 (9)                                   | 1235, 1536, 1963, 2014, 2015 |
| 3221                                | $S_3 \times S_3 : S_3$        | 216   | 554400  | 5081, 5093, 5101, 6132 (3), 9209 (9)                                   | 1236, 1562, 1972, 2010, 2013 |
| 3222                                | $S_3 \times S_3 : S_3$        | 216   | 554400  | 5108, 5076, 5101, 6132 (3), 9210 (9)                                   | 1237, 1562, 1972, 2011, 2012 |
| 3223                                | $3 : S_3 \cdot 2 \times S_3$  | 216   | 554400  | 5101, 5080, 5110, 6133 (3), 9211 (9)                                   | 1238, 1565, 1974, 2012, 2013 |
| 3224                                | $6 : S_3 \cdot S_3$           | 216   | 554400  | 5101, 5105, 5083, 6133 (3), 9212 (9)                                   | 1239, 1565, 1974, 2010, 2011 |
| 3225                                | $6 : S_3 \cdot S_3$           | 216   | 554400  | 5084, 5075, 5045, 5877 (3), 9213 (9)                                   | 1240, 1558, 1971, 2014, 2016 |
| 3226                                | $S_3 \times S_3 : S_3$        | 216   | 554400  | 5045, 5085, 5074, 6045 (3), 9214 (9)                                   | 1241, 1561, 1970, 2015, 2016 |
| 3227                                | $S_3 \times S_3 : S_3$        | 216   | 554400  | 5102, 5086, 5101, 6045 (3), 9215 (9)                                   | 1242, 1561, 1973, 2011, 2013 |
| 3228                                | $S_3 \times S_3 : S_3$        | 216   | 554400  | 5101, 5079, 5112, 5869 (3), 9216 (9)                                   | 1243, 1560, 1973, 2010, 2012 |
| 3229                                | $S_3 \times S_3 : S_3$        | 216   | 554400  | 5074, 5084, 5043, 6134 (3), 9217 (9)                                   | 1244, 1551, 1968, 1977, 2016 |
| 3230                                | $3 : S_3 \cdot 2 : S_3$       | 216   | 554400  | 5074, 5082, 5048, 6134 (3), 9218 (9)                                   | 1245, 1551, 1965, 1977, 2015 |
| 3231                                | $3^2 : S_3 \cdot 2 : 2$       | 216   | 554400  | 5108, 5079, 5110, 5872, 9219 (9)                                       | 1246, 1573, 1978, 1985, 2012 |
| 3232                                | $S_3 \times S_3 : S_3$        | 216   | 554400  | 5108, 5102, 5083, 5901 (3), 9220 (9)                                   | 1247, 1569, 1978, 1986, 2011 |
| 3233                                | $3 : S_3 \cdot 2 : S_3$       | 216   | 554400  | 5110, 5102, 5081, 5901 (3), 9221 (9)                                   | 1248, 1569, 1978, 1987, 2013 |
| 3234                                | $S_3 \times S_3 : S_3$        | 216   | 554400  | 5047, 5084, 5049, 5876 (3), 9222 (9)                                   | 1249, 1537, 1968, 1979, 2014 |
| 3235                                | $S_3 \times 3 \times S_3 : 2$ | 216   | 554400  | 5048, 5085, 5049, 6126, 9223 (9)                                       | 1250, 1544, 1969, 1979, 2015 |
| 3236                                | $3 : S_3 \cdot 2 : S_3$       | 216   | 554400  | 5110, 5112, 5076, 6135 (3), 9224 (9)                                   | 1251, 1568, 1980, 1987, 2012 |
| 3237                                | $3^2 : S_3 \cdot 2 : 2$       | 216   | 554400  | 5093, 5086, 5110, 6127, 9225 (9)                                       | 1252, 1570, 1980, 1985, 2013 |
| 3238                                | $S_3 \times S_3 : S_3$        | 216   | 554400  | 5093, 5112, 5083, 6135 (3), 9226 (9)                                   | 1253, 1568, 1980, 1986, 2010 |
| 3239                                | $S_3 \times S_3 \times S_3$   | 216   | 1108800 | 5109, 5089, 5118, 5117, 5046, 5113, 5091, 5853 (3), 6050 (3), 6136 (3) | 1254, 1529, 1981             |

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|-------------------------------------|-----------------------------|-------|---------|--|--------------------------------|
| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups             |
| 3240                                | $S_3 \times 6 \times S_3$   | 216   | 554400  | 5118 (2), 5075, 5085, 5120 (2), 5043, 6128, 5947 (6)                             | 1255, 1553, 1969, 1981, 2016   |
| 3241                                | $S_3 \times 6 : S_3$        | 216   | 1108800 | 5119, 5120, 5044, 5113, 5092, 5088, 5109, 6088 (6), 6075 (3), 6136 (3), 6083 (3) | 1256, 1528 (2), 1529, 1981     |
| 3242                                | $6 : S_3 : S_3$             | 216   | 554400  | 5119 (2), 5082, 5075, 5117 (2), 5047, 5945 (6), 5865 (3)                         | 1257, 1552, 1965, 1981, 2014   |
| 3243                                | $S_3 \times S_3 \times S_3$ | 216   | 1108800 | 5107, 5115, 5111, 5122, 5104, 5090, 5116, 6084 (3), 6137 (3), 6085 (3)           | 1258, 1576, 1982               |
| 3244                                | $6 \times S_3 : S_3$        | 216   | 1108800 | 5114, 5111, 5106, 5087, 5123, 5121, 5107, 6086 (3), 6137 (3), 6089 (6), 6084 (3) | 1259, 1576, 1982               |
| 3245                                | $6 \times S_3 \times S_3$   | 216   | 554400  | 5121 (2), 5108, 5086, 5115 (2), 5105, 6129, 5954 (6)                             | 1260, 1572, 1982, 1985, 2011   |
| 3246                                | $S_3 \times S_3 \times S_3$ | 216   | 554400  | 5114 (2), 5108, 5112, 5122 (2), 5080, 5956 (6), 6138 (3)                         | 1261, 1566, 1982, 1986, 2012   |
| 3247                                | $6 : S_3 : S_3$             | 216   | 554400  | 5116 (2), 5105, 5112, 5123 (2), 5081, 5958 (6), 6138 (3)                         | 1262, 1566, 1982, 1987, 2010   |
| 3248                                | $3^2 : S_3 \cdot 2 \cdot 2$ | 216   | 184800  | 5149 (3), 5915, 9227 (9)   | 1515, 2017 (3), 2018, 2019 (3) |
| 3249                                | $M_9 : 3$                   | 216   | 369600  | 5915, 7204 (4), 9228 (9)   | 1515, 1934 (3)                 |
| 3250                                | $S_3 \times S_3 \times S_3$ | 216   | 1108800 | 5136 (2), 5128, 5127, 5138 (2), 5126, 6124 (3), 6049 (6)                         | 1527 (2), 2057                 |
| 3251                                | $S_3 \times S_3 \times S_3$ | 216   | 2217600 | 5135, 5139, 5129, 5124, 5140, 5137, 5125, 6050 (3), 6049 (3), 6088 (3)           | 1527, 1529                     |

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|-------------------------------------|----------------------------------|-------|---------|---|--|
| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 3252                                | $S_3 \times S_3 \times S_3$      | 216   | 369600  | 5142 (3), 5143 (3),<br>5141, 5882 (9)                                       | 1531, 1532, 2020 (3)   |
| 3253                                | $3 : S_3 \cdot 2 : S_3$          | 216   | 1108800 | 5141, 5144, 5146,<br>5907 (3), 9111 (9)                                     | 1545 (2), 1546, 1547,<br>2020                                  |
| 3254                                | $S_3 \times S_3 : S_3$           | 216   | 1108800 | 5142, 5144, 5145,<br>5907 (3), 9229 (9)                                     | 1547, 2020   |
| 3255                                | $S_3 \times S_3 : S_3$           | 216   | 369600  | 5141, 5147, 5145,<br>5871 (3), 9230 (9)                                     | 1548, 1549, 2020 (3)   |
| 3256                                | $3^2 : S_3 \cdot 2 : 2$          | 216   | 1108800 | 5142, 5147, 5146,<br>5871, 9231 (9)   | 1549, 2020   |
| 3257                                | $S_3 \times S_3 \times S_3$      | 216   | 1108800 | 5144, 5147, 5131 (2),<br>5143, 5148 (2), 6089<br>(6), 6085 (3)              | 1576, 2020   |
| 3258                                | $3 : S_3 \cdot 2 \times S_3$     | 216   | 1108800 | 5145, 5143, 5146,<br>5888 (3), 9149 (9)                                     | 1577, 2020   |
| 3259                                | $A_4 \times 3 : S_3$             | 216   | 138600  | 5065, 6139 (3), 6140<br>(12), 6141 (12), 6091<br>(6), 6042 (6), 7205<br>(4) | 1938 (2), 1951, 2023<br>(2), 2024, 2025, 2042<br>(2), 2046 (2) |
| 3260                                | $A_4 \times 3 : S_3$             | 216   | 138600  | 5065, 6142, 6043 (6),<br>6095 (6), 7206 (4)                                 | 1941 (2), 1954, 1989<br>(2), 2021, 2024, 2050<br>(2), 2051 (2) |
| 3261                                | $A_4 \times 3 : S_3$             | 216   | 277200  | 5065, 6022, 6044 (3),<br>6143 (6), 6144 (3),<br>7206 (4)                    | 1941, 1942, 1955,<br>1988, 1991, 2022,<br>2023                 |
| 3262                                | $A_4 \times 3 \times 3 \times 2$ | 216   | 138600  | 5065, 6023 (2), 6145<br>(4), 6146 (4), 6054<br>(2), 6147, 7207 (4)          | 1942 (2), 1957, 1990<br>(2), 2021, 2025, 2052<br>(2), 2053 (2) |
| 3263                                | $A_4 \times 3 \times S_3$        | 216   | 277200  | 5066, 5925, 5855 (2),<br>6055, 6087 (3), 7208<br>(4)                        | 1950, 2026, 2027,<br>2028, 2030, 2031,<br>2032                 |
| 3264                                | $A_4 \times 3 : S_3$             | 216   | 138600  | 5066, 6090 (6), 6148<br>(12), 5856 (12), 6092<br>(6), 6149 (3), 7209<br>(4) | 1952, 2027 (2), 2036<br>(2), 2037, 2039, 2040<br>(2), 2044 (2) |
| 3265                                | $A_4 \times 3 : S_3$             | 216   | 138600  | 5066, 6150, 6098 (6),<br>6093 (6), 7210 (4)                                 | 1953, 2029 (2), 2030<br>(2), 2037, 2038, 2048<br>(2), 2049 (2) |
| 3266                                | $6^2 : S_3$                      | 216   | 277200  | 5066, 6057, 6151 (3),<br>5860 (6), 6094 (3),<br>7211 (4)                    | 1956, 2028, 2029,<br>2031, 2033, 2035,<br>2036                 |

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|-------------------------------------|----------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 3267                                | $A_4 \times 3 \times 3 \times 2$ | 216   | 138600  | 5066, 6060 (2), 6152 (4), 5859 (4), 6153, 6059 (2), 7212 (4) | 1958, 2032 (2), 2033 (2), 2038, 2039, 2054 (2), 2056 (2)   |
| 3268                                | $A_4 \times 3 \times S_3$        | 216   | 277200  | 5066, 6056, 6154 (2), 6155, 6096 (3), 7213 (4)               | 1959, 2040, 2041, 2047, 2048, 2054, 2055                   |
| 3269                                | $A_4 \times 3 : S_3$             | 216   | 277200  | 5066, 6058, 6156 (6), 6097 (3), 6157 (3), 7214 (4)           | 1961, 2044, 2045, 2047, 2049, 2055, 2056                   |
| 3270                                | $3 : S_3 \cdot 2 : S_3$          | 216   | 554400  | 5149, 5126 (2), 5964 (3), 9232 (9)                           | 2017, 2057, 2059   |
| 3271                                | $3 : S_3 \cdot 2 \cdot S_3$      | 216   | 554400  | 5149, 5963 (3), 9233 (9)                                     | 2017, 2058, 2060   |
| 3272                                | $3 : S_3 \cdot 2 \times S_3$     | 216   | 554400  | 5127, 5149, 5150, 5968 (3), 9234 (9)                         | 2018, 2057, 2058   |
| 3273                                | $3 : S_3 \cdot 2 \cdot S_3$      | 216   | 554400  | 5150 (2), 5149, 5967 (3), 9235 (9)                           | 2018, 2059, 2060   |
| 3274                                | $S_3 \times 3 \times S_3 : 2$    | 216   | 554400  | 5149, 5128 (2), 5966, 9236 (9)                               | 2019, 2057, 2060   |
| 3275                                | $3^2 : S_3 \cdot 2 \cdot 2$      | 216   | 554400  | 5149, 5965, 9237 (9)   | 2019, 2058, 2059   |
| 3276                                | $S_3 \times S_3 : S_3$           | 216   | 1108800 | 5126, 5128, 5150, 6158 (3), 9238 (9)                         | 2057   |
| 3277                                | $35 : 3 : 2$                     | 210   | 570240  | 5151, 6236, 7819 (5), 9073 (7)                               | 120, 2062  |
| 3278                                | $35 : 3 : 2$                     | 210   | 570240  | 5151, 6237, 7818, 9074 (7)                                   | 121, 2062  |
| 3279                                | $35 : 3 : 2$                     | 210   | 570240  | 5151, 6235, 7824 (5), 9075 (7)                               | 739 (2), 957, 2061, 2062, 2063                             |
| 3280                                | $5^2 : 2 : 2 : 2$                | 200   | 598752  | 5159, 5160, 5153, 10423 (25)                                 | 253, 254 (2), 2066, 2069, 2070                             |
| 3281                                | $5^2 : 2 : 2 : 2$                | 200   | 598752  | 5161, 5162, 5153, 10424 (25)                                 | 268, 2068, 2069, 2070                                      |
| 3282                                | $5^2 : 2 \cdot 2 : 2$            | 200   | 598752  | 5153, 5152, 5156, 7839 (5), 7849 (5)                         | 958, 961, 2071, 2072, 2073                                 |
| 3283                                | $5^2 : 2 \cdot 2 : 2$            | 200   | 598752  | 5157, 5152, 5154, 7864 (5), 7850 (5)                         | 959, 2072  |
| 3284                                | $5^2 : 2 \times 2 \cdot 2$       | 200   | 598752  | 5155, 5158, 5152, 7847, 7865 (5)                             | 960, 2072  |
| 3285                                | $5^2 : 2 \cdot 2 : 2$            | 200   | 299376  | 5163, 5153, 5164, 7854 (10)                                  | 962 (4), 963 (2), 2065, 2066, 2067, 2068, 2071, 2074, 2075 |

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| Nr.                                 | Structure                  | Order | Length | Maximal Subgroups                               | Minimal Overgroups                           |
| 3286                                | $5^2 : 2 \cdot 2 : 2$      | 200   | 598752 | 5153, 5155, 5154, 7853 (5), 7855 (5)            | 964 (2), 965, 966, 967 (2), 2072, 2073, 2074 |
| 3287                                | $5^2 : 2 \times 2 : 2$     | 200   | 299376 | 5157 (2), 5165, 5158 (2), 5166, 5153, 7861 (10) | 968 (2), 2069 (2), 2072 (2), 2075            |
| 3288                                | $5^2 : 2 \cdot 2 : 2$      | 200   | 299376 | 5167, 5153, 5168, 7842 (10)                     | 969 (2), 2070 (2), 2073 (2), 2075            |
| 3289                                | $5^2 : 2 \cdot 2 \times 2$ | 200   | 598752 | 5156, 5158, 5154, 7866 (5), 7863 (5)            | 970, 2072                                    |
| 3290                                | $5^2 : 2 \cdot 2 : 2$      | 200   | 598752 | 5157, 5155, 5156, 7867 (5), 7845 (5)            | 971, 2072                                    |
| 3291                                | $5^2 : 2 \cdot 2 \cdot 2$  | 200   | 598752 | 5163, 10425 (25)                                | 2065, 2076, 2077                             |
| 3292                                | $5^2 : 2 : 2 \cdot 2$      | 200   | 598752 | 5159, 5163, 5160, 7832 (10)                     | 2066, 2078, 2080                             |
| 3293                                | $5^2 : 2 : 2 : 2$          | 200   | 299376 | 5160 (2), 5164, 10426 (25)                      | 2066, 2081, 2082                             |
| 3294                                | $5^2 : 2 \cdot 2 \cdot 2$  | 200   | 299376 | 5159 (2), 5164, 10427 (25)                      | 2066, 2079, 2083                             |
| 3295                                | $5^2 : 2 \cdot 2 \cdot 2$  | 200   | 598752 | 5163, 10428 (25)                                | 2067, 2076, 2077                             |
| 3296                                | $5^2 : 2 : 2 \cdot 2$      | 200   | 598752 | 5161, 5163, 5162, 7833 (10)                     | 2068, 2078, 2080                             |
| 3297                                | $5^2 : 2 : 2 : 2$          | 200   | 299376 | 5162 (2), 5164, 10429 (25)                      | 2068, 2079, 2082                             |
| 3298                                | $5^2 : 2 \cdot 2 \cdot 2$  | 200   | 299376 | 5161 (2), 5164, 10430 (25)                      | 2068, 2081, 2083                             |
| 3299                                | $5^2 : 2 \cdot 2 : 2$      | 200   | 598752 | 5162, 5159, 5166, 10431 (25)                    | 2069, 2079, 2080                             |
| 3300                                | $5^2 : 2 \cdot 2 : 2$      | 200   | 598752 | 5160, 5161, 5166, 10432 (25)                    | 2069, 2080, 2081                             |
| 3301                                | $5^2 : 2 \times 2 : 2$     | 200   | 598752 | 5160, 5169 (2), 5162, 5170 (2), 5165, 7835 (10) | 2069, 2078, 2082                             |
| 3302                                | $5^2 : 2 \cdot 2 \times 2$ | 200   | 598752 | 5159, 5161, 5165, 7838 (10)                     | 2069, 2078, 2083                             |
| 3303                                | $5^2 : 2 : 2 \cdot 2$      | 200   | 598752 | 5161, 5168, 5160, 7837 (10)                     | 2070, 2078, 2081                             |
| 3304                                | $5^2 : 2 : 2 : 2$          | 200   | 598752 | 5160, 5162, 5167, 10433 (25)                    | 2070, 2080, 2082                             |
| 3305                                | $5^2 : 2 : 2 \cdot 2$      | 200   | 598752 | 5162, 5168, 5159, 7836 (10)                     | 2070, 2078, 2079                             |
| 3306                                | $5^2 : 2 \cdot 2 \cdot 2$  | 200   | 598752 | 5159, 5161, 5167, 10434 (25)                    | 2070, 2080, 2083                             |
| 3307                                | $5^2 : 2 : 2 \cdot 2$      | 200   | 299376 | 5167, 5163, 5166, 7868 (10)                     | 2075, 2076 (2), 2080 (2)                     |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 3308                                | $5^2 : 2 : 2 \cdot 2$      | 200   | 299376  | 5168, 5164, 5166, 7868 (10)  | 2075, 2079, 2081  |
| 3309                                | $5^2 : 2 \cdot 2 \times 2$ | 200   | 299376  | 5168, 5165, 5163, 7869 (10), 7834 (20)   | 2075, 2077 (2), 2078 (2)  |
| 3310                                | $5^2 : 2 \cdot 2 \times 2$ | 200   | 299376  | 5167, 5164, 5165, 7869 (10)  | 2075, 2082, 2083  |
| 3311                                | $D_8 \times 2 : 2 : S_3$   | 192   | 1247400 | 5649, 5650, 5651, 6299 (3), 7404 (4)   | 52 (2), 2144  |
| 3312                                | $2^{1+4} : S_3$            | 192   | 2494800 | 5457, 6299 (3), 7271 (4), 7250 (4), 7251 (4)   | 52, 1323  |
| 3313                                | $2^{1+4} : S_3$            | 192   | 1247400 | 5171, 6238 (3), 7258 (4), 7251 (8)   | 154, 1323, 2087   |
| 3314                                | $2^{1+4} : 6$              | 192   | 1247400 | 5171, 6240, 7262 (4)   | 155, 1327, 2087   |
| 3315                                | $2^{1+4} : S_3$            | 192   | 1247400 | 5171, 6241 (3), 7264 (4), 7263 (8)   | 156, 1340, 2087   |
| 3316                                | $D_8 \times 2^2 : S_3$     | 192   | 623700  | 5599, 5652, 5653, 6247 (3), 7267 (4)   | 387 (2), 2088, 2323, 2363                                       |
| 3317                                | $D_8 : (A_4 \times 2)$     | 192   | 623700  | 5599, 5654, 5655, 6248, 7268 (4)   | 388 (2), 2088, 2325, 2363                                       |
| 3318                                | $2^5 : S_3$                | 192   | 51975   | 5207 (4), 5632, 5178 (4), 5184 (6), 6300 (3), 7291 (4)   | 455 (4), 1641 (4), 2090, 2091 (6), 2098 (6), 2299 (3), 2327 (3) |
| 3319                                | $2^5 : S_3$                | 192   | 207900  | 5313, 5183 (3), 5208, 5388 (3), 5489 (3), 5383, 5177 (3), 6300 (3), 7310 (4)                         | 455, 1275 (3), 1640, 2089, 2092 (3), 2097 (3)                   |
| 3320                                | $2^5 : S_3$                | 192   | 207900  | 5195 (3), 5181 (3), 5179 (3), 5358, 5194 (3), 5178, 5348, 6301 (3), 7292 (4)                         | 456 (3), 1132 (2), 1599 (6), 1674, 2090, 2103 (3), 2105 (3)     |
| 3321                                | $2^5 : S_3$                | 192   | 623700  | 5411 (2), 5410 (2), 5180 (2), 5182 (2), 5193, 5389, 5177, 5598, 5314, 5390, 5196, 6301 (3), 7311 (4) | 456, 1276 (2), 1618 (4), 2089, 2104, 2106                       |

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|-------------------------------------|-------------|-------|--------|--|---|
| Nr.                                 | Structure   | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 3322                                | $2^5 : S_3$ | 192   | 207900 | 5644, 5217 (3), 5606, 5181 (3), 5178, 5186 (3), 5215 (3), 6302 (3), 7293 (4)                                 | 457 (3), 1742, 2090, 2107 (3), 2118 (3)                                 |
| 3323                                | $2^5 : S_3$ | 192   | 623700 | 5391, 5214, 5392, 5185 (2), 5490 (2), 5656, 5177, 5216, 5492 (2), 5182 (2), 5315, 6302 (3), 7312 (4)         | 457, 1277 (2), 2089, 2108, 2117   |
| 3324                                | $2^5 : S_3$ | 192   | 207900 | 5183 (3), 5507 (3), 5657 (3), 5191, 5204 (3), 5452, 5316, 6303 (3), 7313 (4)                                 | 458, 1290, 1620, 2092 (3), 2094 (3), 2096                               |
| 3325                                | $2^5 : S_3$ | 192   | 103950 | 5184 (3), 5203 (6), 5658 (3), 5192 (2), 5635, 6303 (3), 7294 (4)   | 458 (2), 1619, 2091 (3), 2093 (3), 2095, 2204, 2242 (3), 2256 (3), 2266 |
| 3326                                | $2^5 : S_3$ | 192   | 623700 | 5183, 5193, 5182 (2), 5659, 5512 (2), 5216, 5660 (2), 5515, 5218 (2), 5514, 5317, 6304 (3), 7314 (4)         | 459, 1293, 2089, 2094, 2102   |
| 3327                                | $2^5 : S_3$ | 192   | 311850 | 5194 (2), 5219 (4), 5661 (2), 5181 (2), 5217 (2), 5184, 5662, 5663, 6304 (3), 7295 (4)                       | 459 (2), 2090, 2093, 2101, 2216, 2280, 2309, 2339                       |
| 3328                                | $2^5 : S_3$ | 192   | 623700 | 5493, 5185, 5497, 5664, 5218, 5496, 5180, 5196, 5318, 5183, 5214, 5665, 5495, 5210, 5666, 6305 (3), 7315 (4) | 460, 1278, 2089, 2096, 2099   |
| 3329                                | $2^5 : S_3$ | 192   | 311850 | 5663, 5667, 5668, 5219 (2), 5209 (2), 5186, 5179, 5195 (2), 5215 (2), 5669, 5184, 6305 (3), 7296 (4)         | 460 (2), 2090, 2095, 2100, 2222, 2281, 2316, 2333                       |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups                                |
| 3330                                | $2^3 \times 4 : S_3$   | 192   | 311850 | 5198 (2), 5184, 5670, 5187 (2), 5671, 6306 (3), 7297 (4)   | 461 (2), 2091, 2100, 2101, 2223, 2298, 2328, 2331 |
| 3331                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5498, 5672, 5183, 5188, 5319, 5197, 5499, 6306 (3), 7316 (4)   | 461, 1279, 2092, 2099, 2102                       |
| 3332                                | $2^3 \times 4 : S_3$   | 192   | 311850 | 5189 (2), 5673, 5184, 5674, 5200 (2), 6307 (3), 7298 (4)   | 462 (2), 2093, 2098, 2100, 2227, 2311, 2332, 2334 |
| 3333                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5199, 5675, 5183, 5517, 5320, 5516, 5190, 6307 (3), 7317 (4)   | 462, 1294, 2094, 2097, 2099                       |
| 3334                                | $2^5 : S_3$            | 192   | 623700 | 5185 (2), 5212 (2), 5183, 5676, 5503 (2), 5202, 5321, 5206, 5504, 5677 (2), 5502, 6308 (3), 7318 (4) | 463, 1280, 2096, 2097, 2102                       |
| 3335                                | $2^5 : S_3$            | 192   | 311850 | 5184, 5211 (4), 5186 (2), 5678 (2), 5679, 5205 (2), 5201 (2), 5680, 6308 (3), 7299 (4)               | 463 (2), 2095, 2098, 2101, 2230, 2315, 2329, 2343 |
| 3336                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5257, 5274, 5178, 5187, 5258, 5203, 5252, 6258 (3), 7300 (4)   | 477, 702 (2), 1740, 2091, 2103, 2118              |
| 3337                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5266, 5276, 5177, 5188, 5261, 5204, 5275, 6258 (3), 7303 (4)   | 477, 703 (2), 2092, 2104, 2117                    |
| 3338                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5265, 5189, 5195, 5259, 5187, 5255, 5279, 6267 (3), 7302 (4)   | 478, 705 (2), 2100, 2103, 2111                    |
| 3339                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5268, 5190, 5196, 5263, 5188, 5277, 5278, 6267 (3), 7305 (4)   | 478, 704 (2), 2099, 2104, 2112                    |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 3340                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5194, 5264, 5260,<br>5205, 5187, 5280,<br>5256, 6268 (3), 7301<br>(4)                 | 479, 706 (2), 2101,<br>2103, 2110                           |
| 3341                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5193, 5188, 5262,<br>5281, 5267, 5206,<br>5282, 6268 (3), 7304<br>(4)                 | 479, 707 (2), 2102,<br>2104, 2109                           |
| 3342                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5194, 5189, 5269,<br>5284, 5283, 5203,<br>5253, 6272 (3), 7306<br>(4)                 | 480, 708 (2), 2093,<br>2103, 2116                           |
| 3343                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5270, 5190, 5285,<br>5204, 5287, 5286,<br>5193, 6272 (3), 7307<br>(4)                 | 480, 709 (2), 2094,<br>2104, 2115                           |
| 3344                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5205, 5189, 5271,<br>5254, 5288, 5178,<br>5289, 6273 (3), 7308<br>(4)                 | 481, 710 (2), 1743,<br>2098, 2103, 2107                     |
| 3345                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5272, 5292, 5291,<br>5290, 5177, 5190,<br>5206, 6273 (3), 7309<br>(4)                 | 481, 711 (2), 2097,<br>2104, 2108                           |
| 3346                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5608, 5191, 5177,<br>5681, 5197, 5324,<br>5250, 6309 (3), 7320<br>(4)                 | 483, 684, 1616, 2092,<br>2106, 2108                         |
| 3347                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5323, 5342, 5178,<br>5198, 5345, 5192,<br>5257, 6309 (3), 7319<br>(4)                 | 483, 1133 (2), 1601<br>(2), 1616, 1617,<br>2091, 2105, 2107 |
| 3348                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5192, 5325, 5194,<br>5363, 5269, 5352,<br>5200, 6310 (3), 7321<br>(4)                 | 484, 1134 (2), 1602<br>(2), 1626, 2093,<br>2105, 2110       |
| 3349                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5199, 5682, 5193,<br>5683, 5326, 5611,<br>5191, 6310 (3), 7322<br>(4)                 | 484, 902 (4), 1627,<br>2094, 2106, 2109                     |
| 3350                                | $2^5 : S_3$            | 192   | 207900 | 5196 (3), 5202 (3),<br>5684 (3), 5685 (3),<br>5327, 5615, 5191,<br>6311 (3), 7323 (4) | 485, 1628, 2096, 2106<br>(3), 2112 (3)                      |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 3351                                | $2^5 : S_3$            | 192   | 207900 | 5195 (3), 5344 (3),<br>5201 (3), 5365 (3),<br>5192, 5353, 5328,<br>6311 (3), 7324 (4)                            | 485, 1135 (2), 1603<br>(2), 1629, 2095, 2105<br>(3), 2111 (3) |
| 3352                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5200, 5356, 5178,<br>5330, 5349, 5271,<br>5201, 6312 (3), 7326<br>(4)  | 486, 1136 (2), 1604<br>(2), 1676, 2098,<br>2105, 2118         |
| 3353                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5202, 5686, 5177,<br>5687, 5329, 5688,<br>5199, 6312 (3), 7325<br>(4)  | 486, 2097, 2106, 2117   |
| 3354                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5336, 5197, 5196,<br>5335, 5199, 5331,<br>5334, 6289 (3), 7328<br>(4)  | 487, 1140 (4), 2099,<br>2106, 2114                            |
| 3355                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5305, 5306, 5195,<br>5200, 5322, 5198,<br>5259, 6289 (3), 7327<br>(4)  | 487, 1137 (2), 1139<br>(4), 1605 (2), 2100,<br>2105, 2113     |
| 3356                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5197, 5689, 5193,<br>5690, 5691, 5333,<br>5202, 6313 (3), 7330<br>(4)  | 488, 2102, 2106, 2115   |
| 3357                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5201, 5260, 5194,<br>5370, 5332, 5371,<br>5198, 6313 (3), 7329<br>(4)  | 488, 1138 (2), 1606<br>(2), 2101, 2105, 2116                  |
| 3358                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5191, 5208, 5341,<br>5692, 5641, 5188,<br>5639, 6314 (3), 7331<br>(4)  | 505, 1622, 1623,<br>2092, 2109, 2112                          |
| 3359                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5192, 5274, 5342,<br>5187, 5207, 5693,<br>5637, 6314 (3), 7332<br>(4)  | 505, 1621, 1622,<br>2091, 2110, 2111                          |
| 3360                                | $2^5 : S_3$            | 192   | 623700 | 5210 (2), 5343, 5212<br>(2), 5595, 5629 (2),<br>5196, 5206, 5630 (2),<br>5596, 5597, 5204,<br>6315 (3), 7333 (4) | 506, 1625 (4), 2096,<br>2104, 2114                            |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups   | Minimal Overgroups                     |
| 3361                                | $2^5 : S_3$            | 192   | 623700 | 5209 (2), 5585 (2),<br>5205, 5594, 5593,<br>5195, 5211 (2), 5618<br>(2), 5592, 5203,<br>5344, 6315 (3), 7334<br>(4) | 506, 1624 (4), 2095,<br>2103, 2113     |
| 3362                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5197, 5346, 5208,<br>5694, 5609, 5695,<br>5204, 6316 (3), 7336<br>(4)   | 507, 1630, 2092,<br>2114, 2115         |
| 3363                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5198, 5345, 5207,<br>5693, 5258, 5696,<br>5203, 6316 (3), 7335<br>(4)   | 507, 1631, 2091,<br>2113, 2116         |
| 3364                                | $2^5 : S_3$            | 192   | 207900 | 5196 (3), 5208, 5697<br>(3), 5698 (3), 5216<br>(3), 5617, 5347, 6317<br>(3), 7337 (4)                               | 508, 1633, 2089, 2112<br>(3), 2114 (3) |
| 3365                                | $2^5 : S_3$            | 192   | 207900 | 5195 (3), 5661 (3),<br>5217 (3), 5667 (3),<br>5348, 5207, 5606,<br>6317 (3), 7338 (4)                               | 508, 1632, 2090, 2111<br>(3), 2113 (3) |
| 3366                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5288, 5699, 5349,<br>5700, 5200, 5205,<br>5207, 6318 (3), 7339<br>(4)   | 509, 1634, 2098,<br>2110, 2113         |
| 3367                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5613, 5701, 5350,<br>5702, 5199, 5206,<br>5208, 6318 (3), 7340<br>(4)   | 509, 1635, 2097,<br>2109, 2114         |
| 3368                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5643, 5189, 5192,<br>5703, 5217, 5284,<br>5352, 6319 (3), 7342<br>(4)   | 510, 1636, 2093,<br>2107, 2111         |
| 3369                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5351, 5190, 5191,<br>5704, 5216, 5705,<br>5645, 6319 (3), 7341<br>(4)   | 510, 1637, 2094,<br>2108, 2112         |
| 3370                                | $2^5 : S_3$            | 192   | 207900 | 5646, 5206 (3), 5354,<br>5214 (3), 5706 (3),<br>5707 (3), 5191, 6320<br>(3), 7344 (4)                               | 511, 1638, 2096, 2108<br>(3), 2109 (3) |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups                  |
| 3371                                | $2^5 : S_3$            | 192   | 207900 | 5353, 5592 (3), 5642, 5215 (3), 5205 (3), 5192, 5708 (3), 6320 (3), 7343 (4)                         | 511, 1639, 2095, 2107 (3), 2110 (3) |
| 3372                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5189, 5700, 5201, 5709, 5289, 5356, 5207, 6321 (3), 7346 (4)   | 512, 1643, 2098, 2111, 2116         |
| 3373                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5208, 5710, 5202, 5648, 5355, 5711, 5190, 6321 (3), 7345 (4)   | 512, 1642, 2097, 2112, 2115         |
| 3374                                | $2^5 : S_3$            | 192   | 207900 | 5668 (3), 5215 (3), 5194 (3), 5644, 5358, 5661 (3), 5207, 6322 (3), 7348 (4)                         | 513, 1644, 2090, 2110 (3), 2116 (3) |
| 3375                                | $2^5 : S_3$            | 192   | 207900 | 5712 (3), 5713 (3), 5193 (3), 5214 (3), 5208, 5357, 5647, 6322 (3), 7347 (4)                         | 513, 1645, 2089, 2109 (3), 2115 (3) |
| 3376                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5199, 5714, 5216, 5715, 5716, 5364, 5204, 6323 (3), 7350 (4)   | 518, 2094, 2114, 2117               |
| 3377                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5203, 5717, 5217, 5363, 5703, 5283, 5200, 6323 (3), 7349 (4)   | 518, 2093, 2113, 2118               |
| 3378                                | $2^5 : S_3$            | 192   | 623700 | 5219 (2), 5718, 5203, 5618 (2), 5719 (2), 5215, 5211 (2), 5594, 5708, 5201, 5365, 6324 (3), 7351 (4) | 519, 2095, 2116, 2118               |
| 3379                                | $2^5 : S_3$            | 192   | 623700 | 5214, 5720, 5218 (2), 5202, 5721 (2), 5722, 5212 (2), 5723, 5724 (2), 5366, 5204, 6324 (3), 7290 (4) | 519, 2096, 2115, 2117               |
| 3380                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5322, 5725, 5215, 5187, 5726, 5200, 5279, 6325 (3), 7352 (4)   | 520, 2100, 2110, 2118               |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                  |
| 3381                                | $2^3 \times 4 : S_3$        | 192   | 623700  | 5727, 5188, 5214,<br>5728, 5199, 5729,<br>5367, 6325 (3), 7353<br>(4)  | 520, 2099, 2109, 2117                               |
| 3382                                | $2^3 \times 4 : S_3$        | 192   | 623700  | 5730, 5190, 5214,<br>5731, 5197, 5732,<br>5368, 6326 (3), 7355<br>(4)  | 521, 2099, 2108, 2115                               |
| 3383                                | $2^3 \times 4 : S_3$        | 192   | 623700  | 5306, 5733, 5215,<br>5189, 5726, 5198,<br>5265, 6326 (3), 7354<br>(4)  | 521, 2100, 2107, 2116                               |
| 3384                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5187, 5370, 5217,<br>5734, 5280, 5735,<br>5201, 6327 (3), 7357<br>(4)  | 522, 2101, 2111, 2118                               |
| 3385                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5202, 5736, 5216,<br>5369, 5737, 5738,<br>5188, 6327 (3), 7356<br>(4)  | 522, 2102, 2112, 2117                               |
| 3386                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5206, 5739, 5216,<br>5372, 5740, 5741,<br>5197, 6328 (3), 7359<br>(4)  | 523, 2102, 2108, 2114                               |
| 3387                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5198, 5371, 5217,<br>5735, 5264, 5742,<br>5205, 6328 (3), 7358<br>(4)  | 523, 2101, 2107, 2113                               |
| 3388                                | $D_8 \times 2^2 \times S_3$ | 192   | 1247400 | 5225, 5244 (2), 5249<br>(2), 5505, 5221, 5238<br>(2), 5242 (2), 5223,<br>5339, 5236 (2), 5240<br>(2), 5406, 5226, 5247<br>(2), 5227 (2), 5220,<br>5405, 5441, 5224,<br>5412, 5506, 5222,<br>5409, 6301 (3) | 685 (2), 1283, 1599,<br>1618 (2), 1646 (2),<br>2161 |
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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                   |
| 3389                                | $D_8 \times 2^2 \times S_3$ | 192   | 2494800 | 5234, 5403, 5233,<br>5248, 5398, 5449,<br>5243, 5232, 5172,<br>5401, 5231, 5241,<br>5402, 5451, 5228,<br>5229, 5407, 5400,<br>5230, 5239, 5377,<br>5378, 5245, 5246,<br>5379, 5375, 5235,<br>5382, 5397, 5237,<br>5450, 6315 (3) | 686, 1282, 1624,<br>1625, 1717       |
| 3390                                | $2^5 : S_3$                 | 192   | 623700  | 5250, 5499, 5383,<br>5641, 5507, 5346,<br>5275, 6290 (3), 7490<br>(4)  | 687, 1285, 1750,<br>2092, 2121, 2123 |
| 3391                                | $2^5 : S_3$                 | 192   | 623700  | 5602, 5640, 5386,<br>6290 (3), 7491 (8),<br>7272 (4)   | 688, 1284, 1750,<br>2119, 2120, 2122 |
| 3392                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5266, 5319, 5388,<br>5695, 5657, 5692,<br>5250, 6329 (3), 7492<br>(4)  | 689, 2092, 2124, 2125                |
| 3393                                | $2^5 : S_3$                 | 192   | 623700  | 5685, 5687, 5389,<br>5682, 5250, 5333,<br>5336, 6292 (3), 7493<br>(4)  | 690, 2106, 2121, 2125                |
| 3394                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5331, 5250, 5688,<br>5684, 5390, 5689,<br>5683, 6330 (3), 7494<br>(4)  | 691, 2106, 2123, 2124                |
| 3395                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5391, 5732, 5250,<br>5704, 5372, 5706,<br>5291, 6331 (3), 7495<br>(4)  | 692, 2108, 2123, 2125                |
| 3396                                | $2^5 : S_3$                 | 192   | 623700  | 5392, 5368, 5250,<br>5705, 5739, 5707,<br>5292, 6295 (3), 7496<br>(4)  | 693, 2108, 2121, 2124                |
| 3397                                | $D_8 \times 2^2 : S_3$      | 192   | 311850  | 5253, 5593, 5179,<br>5254, 5255, 5252,<br>5256, 6256 (3), 7363<br>(4)  | 700 (4), 2103 (2),<br>2222, 2316 (2) |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                            |
| 3398                                | $D_8 \times 2^2 : S_3$         | 192   | 623700 | 5344, 5260, 5179, 5257, 5269, 5271, 5259, 6265 (3), 7366 (4) | 714 (2), 1141 (2), 1685 (2), 2103, 2105, 2281 |
| 3399                                | $2^3 \times 4 : S_3$           | 192   | 623700 | 5181, 5265, 5257, 5284, 5264, 5592, 5254, 6266 (3), 7367 (4) | 715 (2), 2103, 2107, 2280                     |
| 3400                                | $D_8 \times 2^2 : S_3$         | 192   | 623700 | 5258, 5593, 5348, 5264, 5259, 5283, 5288, 6259 (3), 7368 (4) | 716 (2), 1671, 2103, 2113, 2183               |
| 3401                                | $D_8 \times (A_4 \times 2)$    | 192   | 623700 | 5260, 5265, 5358, 5289, 5594, 5258, 5253, 6260, 7369 (4)     | 717 (2), 1747, 2103, 2116, 2184               |
| 3402                                | $D_8 \times 2^2 : S_3$         | 192   | 623700 | 5314, 5272, 5262, 5263, 5343, 5261, 5270, 6269 (3), 7372 (4) | 718 (2), 1142 (2), 2104, 2135, 2173           |
| 3403                                | $D_8 \times (A_4 \times 2)$    | 192   | 623700 | 5595, 5262, 5389, 5266, 5285, 5291, 5268, 6257, 7373 (4)     | 719 (2), 2104, 2125, 2172                     |
| 3404                                | $D_8 \times 2^2 : S_3$         | 192   | 623700 | 5266, 5263, 5390, 5286, 5596, 5267, 5292, 6261 (3), 7374 (4) | 720 (2), 2104, 2124, 2165                     |
| 3405                                | $2^3 \times 4 : S_3$           | 192   | 623700 | 5597, 5290, 5598, 5287, 5261, 5267, 5268, 6270 (3), 7375 (4) | 721 (2), 2104, 2174, 2185                     |
| 3406                                | $2 \times 4 : 2 : 2 \cdot S_3$ | 192   | 623700 | 5509, 5508, 5430, 6253 (3)                                   | 725, 1288, 2126, 2129, 2130                   |
| 3407                                | $24 : 2 : 2 : 2$               | 192   | 623700 | 5511, 5510, 5430, 6274                                       | 728, 1289, 2127, 2128, 2129                   |
| 3408                                | $2^5 : S_3$                    | 192   | 623700 | 5282, 5597, 5389, 5275, 5278, 5292, 5270, 6252 (3), 7378 (4) | 732 (2), 2104, 2121, 2232                     |
| 3409                                | $2^5 : S_3$                    | 192   | 623700 | 5278, 5286, 5595, 5281, 5276, 5272, 5598, 6275 (3), 7379 (4) | 733 (2), 2104, 2170, 2233                     |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 3410                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5282, 5290, 5285,<br>5276, 5277, 5596,<br>5314, 6276 (3), 7380<br>(4)   | 734 (2), 2104, 2164,<br>2234   |
| 3411                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5275, 5287, 5291,<br>5281, 5277, 5343,<br>5390, 6277 (3), 7381<br>(4)   | 735 (2), 2104, 2123,<br>2231   |
| 3412                                | $2^5 : S_3$                 | 192   | 623700  | 5256, 5592, 5358,<br>5274, 5279, 5288,<br>5269, 6278 (3), 7382<br>(4)   | 736 (2), 1758, 2103,<br>2110, 2191                                       |
| 3413                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5348, 5284, 5289,<br>5344, 5255, 5280,<br>5274, 6279 (3), 7383<br>(4)   | 737 (2), 1752, 2103,<br>2111, 2188                                       |
| 3414                                | $2^5 : S_3$                 | 192   | 623700  | 5181, 5283, 5594,<br>5271, 5252, 5280,<br>5279, 6280 (3), 7384<br>(4)   | 738 (2), 2103, 2118,<br>2216   |
| 3415                                | $2^{1+4} : S_3$             | 192   | 51975   | 5631, 6332 (3), 7274<br>(4), 7497 (8)   | 901 (2), 1663 (4),<br>2084 (6), 2085, 2086<br>(3), 2131 (6), 2133<br>(3) |
| 3416                                | $D_8 \times 2 : 2 : S_3$    | 192   | 103950  | 5620, 5600, 5621,<br>6332 (3), 7497 (4)   | 901, 1600, 1662 (4),<br>2132 (6), 2134 (3)                               |
| 3417                                | $D_8 \times 2^2 : S_3$      | 192   | 2494800 | 5293, 5432, 5294,<br>5470, 5473, 5422,<br>5295, 6310 (3), 7322<br>(4)   | 902, 1315, 1602, 1664  |
| 3418                                | $D_8 \times 2^2 : S_3$      | 192   | 1247400 | 5300, 5433, 5298,<br>5421, 5466, 5468,<br>5296, 6333 (3), 7498<br>(4)   | 903 (2), 1312, 1665,<br>2156   |
| 3419                                | $D_8 \times (A_4 \times 2)$ | 192   | 1247400 | 5297, 5467, 5299,<br>5419, 5433, 5469,<br>5301, 6287, 7499 (4)  | 904 (2), 1313, 1344,<br>1666, 2156                                       |
| 3420                                | $2^5 : S_3$                 | 192   | 14850   | 5628 (7), 5624 (7),<br>5303, 6287 (3), 7399<br>(4)  | 905 (8), 1666 (28),<br>2186 (21)   |
| 3421                                | $D_8 \times 4 \times S_3$   | 192   | 1247400 | 5309, 5359, 5307,<br>5311, 5338, 5361,<br>5308, 5225, 5362,<br>5337, 5310, 5339,<br>5360, 5312, 5340,<br>6289 (3) | 1143 (2), 1338, 1605,<br>2161  |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups   | Minimal Overgroups                                 |
| 3422                                | $2^5 : S_3$            | 192   | 207900 | 5318 (3), 5314 (3),<br>5315 (3), 5357, 5347,<br>5317 (3), 5313, 6334<br>(3), 7500 (4) | 1144 (2), 1675, 2089,<br>2135 (3), 2234 (3)        |
| 3423                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5341, 5316, 5313,<br>5261, 5319, 5324,<br>5346, 6316 (3), 7501<br>(4)                 | 1145 (2), 1630, 1631,<br>2092, 2135, 2185          |
| 3424                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5316, 5326, 5317,<br>5364, 5270, 5351,<br>5320, 6259 (3), 7498<br>(4)                 | 1146 (2), 1671, 2094,<br>2135, 2232                |
| 3425                                | $2^5 : S_3$            | 192   | 207900 | 5318 (3), 5343 (3),<br>5321 (3), 5366 (3),<br>5316, 5354, 5327,<br>6335 (3), 7502 (4) | 1147 (2), 1672, 2096,<br>2135 (3), 2231 (3)        |
| 3426                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5320, 5272, 5313,<br>5350, 5329, 5355,<br>5321, 6336 (3), 7503<br>(4)                 | 1148 (2), 1677, 2097,<br>2135, 2233                |
| 3427                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5368, 5263, 5318,<br>5319, 5331, 5320,<br>5367, 6337 (3), 7504<br>(4)                 | 1149 (2), 2099, 2124,<br>2135                      |
| 3428                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5319, 5262, 5317,<br>5372, 5333, 5369,<br>5321, 6338 (3), 7505<br>(4)                 | 1150 (2), 2102, 2125,<br>2135                      |
| 3429                                | $D_8 \times 2^2 : S_3$ | 192   | 103950 | 5328, 5332, 5179,<br>5323, 5325, 5330,<br>5305, 6339 (3), 7482<br>(4)                 | 1151 (4), 1667, 1681<br>(4), 2105 (6), 2222<br>(3) |
| 3430                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5327, 5333, 5314,<br>5324, 5326, 5329,<br>5331, 6340 (3), 7506<br>(4)                 | 1152 (2), 1669, 2106,<br>2135, 2164                |
| 3431                                | $2^5 : S_3$            | 192   | 623700 | 5181, 5353, 5323,<br>5371, 5352, 5306,<br>5271, 6341 (3), 7507<br>(4)                 | 1153 (2), 1668, 1680<br>(2), 2105, 2107, 2216      |
| 3432                                | $2^5 : S_3$            | 192   | 623700 | 5354, 5368, 5324,<br>5272, 5372, 5315,<br>5351, 6342 (3), 7508<br>(4)                 | 1154 (2), 1670, 2108,<br>2135, 2170                |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 3433                                | $D_8 \times (A_4 \times 2)$ | 192   | 623700 | 5358, 5353, 5325,<br>5349, 5342, 5322,<br>5260, 6311, 7509 (4)        | 1155 (2), 1628, 1629,<br>1682 (2), 2105, 2110,<br>2184           |
| 3434                                | $D_8 \times (A_4 \times 2)$ | 192   | 623700 | 5357, 5354, 5326,<br>5350, 5341, 5367,<br>5262, 6317, 7510 (4)        | 1156 (2), 1632, 1633,<br>2109, 2135, 2172                        |
| 3435                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5259, 5342, 5328,<br>5356, 5352, 5370,<br>5348, 6310 (3), 7511<br>(4) | 1157 (2), 1626, 1627,<br>1664 (4), 1683 (2),<br>2105, 2111, 2183 |
| 3436                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5347, 5341, 5327,<br>5369, 5351, 5355,<br>5263, 6318 (3), 7512<br>(4) | 1158 (2), 1634, 1635,<br>2112, 2135, 2165                        |
| 3437                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5305, 5349, 5348,<br>5371, 5345, 5363,<br>5344, 6340 (3), 7513<br>(4) | 1159 (2), 1669, 1687<br>(2), 2105, 2113, 2188                    |
| 3438                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5343, 5350, 5347,<br>5364, 5346, 5372,<br>5331, 6343 (3), 7514<br>(4) | 1160 (2), 1673, 2114,<br>2123, 2135                              |
| 3439                                | $2^5 : S_3$                 | 192   | 623700 | 5270, 5355, 5357,<br>5366, 5346, 5368,<br>5333, 6344 (3), 7515<br>(4) | 1161 (2), 1678, 2115,<br>2121, 2135                              |
| 3440                                | $2^5 : S_3$                 | 192   | 623700 | 5332, 5356, 5358,<br>5306, 5345, 5365,<br>5269, 6345 (3), 7516<br>(4) | 1162 (2), 1679, 1686<br>(2), 2105, 2116, 2191                    |
| 3441                                | $2^3 \times 4 : S_3$        | 192   | 623700 | 5366, 5261, 5315,<br>5369, 5329, 5364,<br>5367, 6346 (3), 7517<br>(4) | 1163 (2), 2117, 2135,<br>2174                                    |
| 3442                                | $2^3 \times 4 : S_3$        | 192   | 623700 | 5322, 5370, 5181,<br>5330, 5363, 5257,<br>5365, 6347 (3), 7518<br>(4) | 1164 (2), 1684 (2),<br>2105, 2118, 2280                          |
| 3443                                | $2^{1+4} : 6$               | 192   | 311850 | 5631, 6348, 7519 (4)  | 1165, 1704 (2), 2084,<br>2136, 2138, 2139,<br>2140, 2141, 2142   |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 3444                                | $2^2 \times 4 \cdot 2 : 3 : 2$ | 192   | 1247400 | 5384, 6349, 7520 (4)   | 1281, 2150                               |
| 3445                                | $2^4 : 3 \times 2 \times 2$    | 192   | 207900  | 5387 (3), 6350, 7520 (12), 7521 (8)  | 1281 (3), 1723, 2143, 2147 (3), 2148 (3) |
| 3446                                | $2^4 : 3 : 2 \times 2$         | 192   | 623700  | 5589 (2), 5386, 6351, 7520 (4)   | 1281, 1777, 2119, 2146, 2149             |
| 3447                                | $4^2 : 3 : 2 \times 2$         | 192   | 623700  | 5385, 5650 (2), 6352, 7520 (4)   | 1281, 2144, 2145, 2151                   |
| 3448                                | $2^5 : S_3$                    | 192   | 623700  | 5743, 5619, 5387, 6353 (3), 7270 (8), 7272 (4)   | 1284, 2143, 2152, 2155                   |
| 3449                                | $2 \times 4^2 : S_3$           | 192   | 623700  | 5744, 5385, 5651, 6354 (3), 7272 (4)   | 1284, 2144, 2153, 2154                   |
| 3450                                | $D_8 \times 2^2 : S_3$         | 192   | 2494800 | 5396, 5176, 5373, 5393, 5376, 5404, 5395, 6355 (3), 7388 (4)   | 1286, 1303, 1304                         |
| 3451                                | $2^5 : S_3$                    | 192   | 415800  | 5381 (3), 5437 (3), 5175 (3), 5296, 5428, 5436 (3), 5297, 6356 (3), 7313 (4)                         | 1290, 1291, 1688, 2156 (3)               |
| 3452                                | $2^5 : S_3$                    | 192   | 1247400 | 5304 (2), 5439 (2), 5440, 5444, 5380 (2), 5299, 5443, 5298, 5381, 5438 (2), 5442, 6357 (3), 7314 (4) | 1292, 1293, 2156                         |
| 3453                                | $2^3 \times 4 : S_3$           | 192   | 1247400 | 5445, 5447, 5381, 5300, 5301, 5446, 5435, 6358 (3), 7317 (4)   | 1294, 1295, 2156                         |
| 3454                                | $2^5 : S_3$                    | 192   | 207900  | 5588 (2), 5386, 6351 (3), 7522 (12)  | 1296 (3), 1777, 2119 (3), 2158, 2176 (3) |
| 3455                                | $2 \times 4^2 : S_3$           | 192   | 623700  | 5649 (2), 5385, 6359 (3), 7522 (4)   | 1296, 2144, 2159, 2175                   |
| 3456                                | $2^5 : S_3$                    | 192   | 623700  | 5743 (2), 5387, 6360 (3), 7522 (4), 7404 (8)   | 1296, 2143, 2157, 2177                   |
| 3457                                | $4^2 : 3 : 2 \times 2$         | 192   | 623700  | 5385, 5745 (2), 6361, 7523 (4)   | 1297, 2151, 2153, 2159                   |
| 3458                                | $2^2 \times 4 \cdot 2 : 3 : 2$ | 192   | 1247400 | 5384, 6362, 7523 (4)   | 1297, 2150                               |
| 3459                                | $2^4 : 3 : 2 \times 2$         | 192   | 623700  | 5387, 5626 (2), 6363, 7523 (4)   | 1297, 2148, 2152, 2157                   |
| 3460                                | $2^4 : 3 \times 2 \times 2$    | 192   | 207900  | 5386, 5616 (2), 6297, 7524 (8), 7523 (12)  | 1297 (3), 1760, 2120 (3), 2149 (3), 2158 |

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| Nr.                                 | Structure                                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups                          |
| 3461                                | $A_4 \times 2 \times 2 \times 2 \times 2$ | 192   | 207900  | 5493 (3), 5392 (3),<br>5389 (3), 5514 (3),<br>5383, 5357, 5617,<br>6297, 7525 (4)                                   | 1298 (3), 1760, 2089,<br>2121 (3), 2172 (3) |
| 3462                                | $2^5 \cdot S_3$                           | 192   | 207900  | 5386, 6364 (3), 7526<br>(12)  | 1299 (3), 1778, 2122<br>(3), 2146 (3), 2158 |
| 3463                                | $2 \times 4^2 \cdot S_3$                  | 192   | 623700  | 5385, 6365 (3), 7526<br>(4)   | 1299, 2145, 2154,<br>2159                   |
| 3464                                | $2^5 \cdot S_3$                           | 192   | 623700  | 5387, 6366 (3), 7526<br>(4), 7412 (8)   | 1299, 2147, 2155,<br>2157                   |
| 3465                                | $2^5 : S_3$                               | 192   | 207900  | 5495 (3), 5515 (3),<br>5390 (3), 5383, 5391<br>(3), 5647, 5347, 6367<br>(3), 7527 (4)                               | 1300 (3), 1759, 2089,<br>2123 (3), 2165 (3) |
| 3466                                | $2^5 : S_3$                               | 192   | 623700  | 5410 (2), 5512 (2),<br>5496 (2), 5392, 5390,<br>5659, 5318, 5490 (2),<br>5388, 5713, 5697,<br>6368 (3), 7528 (4)    | 1301 (2), 2089, 2124,<br>2231               |
| 3467                                | $2^5 : S_3$                               | 192   | 623700  | 5411 (2), 5492 (2),<br>5497 (2), 5512 (2),<br>5388, 5389, 5317,<br>5698, 5391, 5712,<br>5665, 6257 (3), 7252<br>(4) | 1302 (2), 2089, 2125,<br>2232               |
| 3468                                | $2^{1+4} : 6$                             | 192   | 623700  | 5415 (2), 5519 (2),<br>5430, 5459, 5520,<br>6332  | 1305, 1662 (2), 1663,<br>2126, 2127, 2160   |
| 3469                                | $D_8 \times 2 : 2 : S_3$                  | 192   | 2494800 | 5413, 5426, 5417,<br>6369 (3), 7529 (4)   | 1306, 1689                                  |
| 3470                                | $2 \times 4 : 2 : 2 : S_3$                | 192   | 2494800 | 5414, 5425, 5418,<br>6370 (3), 7529 (4)   | 1306, 1690, 1693                            |
| 3471                                | $2^5 : S_3$                               | 192   | 2494800 | 5416, 5302, 5424,<br>6371 (3), 7529 (4),<br>7263 (4), 7530 (4)  | 1306, 1340, 1694                            |
| 3472                                | $D_8 \times 2^2 : S_3$                    | 192   | 1247400 | 5423, 5446, 5443,<br>5419, 5296, 5461,<br>5463, 6372 (3), 7531<br>(4)   | 1307, 1692, 2156                            |
| 3473                                | $2 \times 4 : 2 : 2 : S_3$                | 192   | 1247400 | 5415, 5420, 5521,<br>5427, 5522, 5523,<br>5524, 6370 (3)  | 1308, 1691, 1693,<br>2160                   |

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| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups  | Minimal Overgroups                         |
| 3474                                | $2^5 : S_3$                     | 192   | 1247400 | 5423, 5447, 5444, 5421, 5297, 5460, 5462, 6371 (3), 7532 (4)   | 1309, 1342, 1694, 2156                     |
| 3475                                | $2 \times 4 : 2 : 2 : S_3$      | 192   | 623700  | 5221 (2), 5525 (2), 5526, 5465 (2), 5464 (2), 5307 (2), 5429 (2), 5430, 5527, 6309 (3)   | 1310, 1601 (2), 2126, 2128, 2161           |
| 3476                                | $2 \times 4 : 2 : 2 \times S_3$ | 192   | 415800  | 5420, 5530 (3), 5528 (3), 5415, 5408 (3), 5529 (3), 5431, 6373 (3)   | 1311, 1695, 1696, 2160 (3)                 |
| 3477                                | $2 \times 4 : 2 : 2 \times S_3$ | 192   | 623700  | 5430, 5534, 5477 (2), 5479 (2), 5531, 5532, 5337 (2), 5405 (2), 5427, 5431, 5533, 6341 (3)   | 1314, 1680 (2), 1697 (2), 2129, 2160, 2161 |
| 3478                                | $D_8 \times 2^2 : S_3$          | 192   | 1247400 | 5428, 5474, 5440, 5423, 5433, 5471, 5445, 6374 (3), 7322 (4)   | 1315, 1698, 2156                           |
| 3479                                | $D_8 \times 2^2 : S_3$          | 192   | 1247400 | 5222, 5538, 5535, 5536, 5472, 5340, 5475, 5441, 5476, 5478, 5308, 5429, 5427, 5434, 5537, 6310 (3)                                 | 1316, 1602, 1683, 2161                     |
| 3480                                | $D_8 \times 2^2 : S_3$          | 192   | 1247400 | 5428, 5481, 5442, 5419, 5421, 5480, 5435, 6375 (3), 7341 (4)   | 1317, 1699, 2156                           |
| 3481                                | $2 \times 4 : 2 : 2 : S_3$      | 192   | 623700  | 5539, 5541, 5420 (2), 5430, 5540 (2), 6376 (3)   | 1318, 1700 (2), 2128, 2130, 2160           |
| 3482                                | $D_8 \times 2^2 \times S_3$     | 192   | 415800  | 5339 (3), 5545 (3), 5542 (3), 5543 (3), 5483 (3), 5482 (3), 5448 (3), 5544 (3), 5223, 5484, 5309, 5486, 5431, 5434, 5429, 6311 (3) | 1319, 1603, 1682, 2161 (3)                 |

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| Nr.                                 | Structure                                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups                      |
| 3483                                | $D_8 \times (D_8 \times 3)$               | 192   | 623700  | 5406 (2), 5548 (2),<br>5546, 5547, 5485 (2),<br>5338 (2), 5487 (2),<br>5434 (2), 5430, 6339 | 1320, 1681 (2), 2127,<br>2130, 2161     |
| 3484                                | $D_8 \times 2^2 : S_3$                    | 192   | 1247400 | 5467, 5175, 5440,<br>5463, 5435, 5462,<br>5466, 6377 (3), 7307<br>(4)                       | 1321, 2156                              |
| 3485                                | $Q_8 \times 2^2 : S_3$                    | 192   | 1247400 | 5453, 5488, 5500,<br>6378 (3), 7533 (4)   | 1322, 1701, 2163                        |
| 3486                                | $2^5 : S_3$                               | 192   | 623700  | 5489, 5639, 5324,<br>5499, 5452, 5695,<br>5276, 6379 (3), 7533<br>(4)                       | 1322, 1702, 2092,<br>2164, 2170         |
| 3487                                | $Q_8 \times 2^2 : S_3$                    | 192   | 2494800 | 5458, 6378 (3), 7534<br>(4), 7251 (4), 7250<br>(4)  | 1323, 1701                              |
| 3488                                | $2^5 : S_3$                               | 192   | 1247400 | 5638, 5454, 5601,<br>6379 (3), 7534 (4),<br>7258 (4), 7271 (4)                              | 1323, 1702, 2168                        |
| 3489                                | $2^{1+4} : S_3$                           | 192   | 1247400 | 5455, 6380 (3), 7258<br>(4), 7250 (8)   | 1323, 1703, 2167                        |
| 3490                                | $2^{1+4} : S_3$                           | 192   | 623700  | 5549 (2), 5509, 5527,<br>5550 (2), 5459, 6380<br>(3)  | 1324, 1703, 2126,<br>2162, 2169         |
| 3491                                | $2^{1+4} : S_3$                           | 192   | 207900  | 5526 (3), 5508 (3),<br>5459, 6348 (3)   | 1325, 1704, 2126 (3),<br>2166 (3), 2171 |
| 3492                                | $D_8 \times (A_4 \times 2)$               | 192   | 623700  | 5383, 5341, 5608,<br>5498, 5452, 5609,<br>5266, 6300, 7535 (4)                              | 1326, 1640, 1641,<br>2092, 2165, 2172   |
| 3493                                | $2^{1+4} : 6$                             | 192   | 415800  | 5455, 6381, 7262 (4)  | 1327, 1706, 2167 (3)                    |
| 3494                                | $2^4 : 3 \times 2 \times 2$               | 192   | 415800  | 5454, 5605, 5614,<br>6382, 7536 (4), 7262<br>(4), 7537 (12)                                 | 1327, 1705, 2168 (3)                    |
| 3495                                | $2^{1+4} : 6$                             | 192   | 207900  | 5547 (3), 5510 (3),<br>5459, 6381   | 1328, 1706, 2127 (3),<br>2169 (3), 2171 |
| 3496                                | $A_4 \times 2 \times 2 \times 2 \times 2$ | 192   | 207900  | 5493 (3), 5504 (3),<br>5723 (3), 5595 (3),<br>5615, 5354, 5452,<br>6382, 7538 (4)           | 1329, 1705, 2096,<br>2170 (3), 2172 (3) |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups   | Minimal Overgroups                      |
| 3497                                | $Q_8 \times 2^2 : S_3$     | 192   | 415800  | 5494 (3), 5501 (3),<br>5453, 6383 (3), 7539<br>(4)  | 1330, 1709, 2163 (3)                    |
| 3498                                | $2^5 : S_3$                | 192   | 207900  | 5495 (3), 5502 (3),<br>5722 (3), 5596 (3),<br>5646, 5327, 5452,<br>6384 (3), 7539 (4)                             | 1330, 1707, 2096,<br>2164 (3), 2165 (3) |
| 3499                                | $2^{1+4} : 6$              | 192   | 623700  | 5551 (2), 5511, 5546,<br>5552 (2), 5459, 6385   | 1331, 1708, 2127,<br>2162, 2166         |
| 3500                                | $D_8 \times 2^2 : S_3$     | 192   | 1247400 | 5445, 5468, 5442,<br>5461, 5460, 5469,<br>5175, 6386 (3), 7350<br>(4)   | 1332, 2156                              |
| 3501                                | $D_8 \times 2^2 : S_3$     | 192   | 1247400 | 5446, 5467, 5298,<br>5460, 5474, 5481,<br>5437, 6387 (3), 7540<br>(4)   | 1333, 2156                              |
| 3502                                | $2^5 : S_3$                | 192   | 1247400 | 5447, 5466, 5299,<br>5461, 5474, 5480,<br>5436, 6388 (3), 7541<br>(4)   | 1334, 1368, 2156                        |
| 3503                                | $2^3 \times 4 : S_3$       | 192   | 1247400 | 5301, 5463, 5444,<br>5468, 5471, 5481,<br>5436, 6389 (3), 7542<br>(4)   | 1335, 1369, 2156                        |
| 3504                                | $D_8 \times 2^2 : S_3$     | 192   | 1247400 | 5300, 5462, 5443,<br>5469, 5471, 5480,<br>5437, 6390 (3), 7543<br>(4)   | 1336, 2156                              |
| 3505                                | $2 \times 4 : 2 : 2 : S_3$ | 192   | 1247400 | 5448, 5558, 5486,<br>5340, 5553, 5554,<br>5479, 5221, 5555,<br>5556, 5478, 5224,<br>5557, 5487, 5310,<br>6312 (3) | 1337, 1604, 2161                        |
| 3506                                | $2 \times 4 : 2 : 2 : S_3$ | 192   | 1247400 | 5307, 5563, 5476,<br>5448, 5312, 5559,<br>5484, 5441, 5560,<br>5555, 5477, 5226,<br>5561, 5485, 5562,<br>6313 (3) | 1339, 1606, 2161                        |

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|-------------------------------------|---------------------------------|-------|---------|--|--------------------------------------|
| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups  | Minimal Overgroups                   |
| 3507                                | $2^{1+4} : S_3$                 | 192   | 2494800 | 5456, 6391 (3), 7544 (4), 7263 (4), 7529 (4)   | 1340                                 |
| 3508                                | $2^{1+4} : S_3$                 | 192   | 1247400 | 5455, 6392 (3), 7264 (4), 7529 (8)   | 1340, 1711, 2167                     |
| 3509                                | $2^5 : S_3$                     | 192   | 1247400 | 5603, 5454, 5610, 6393 (3), 7530 (4), 7264 (4), 7544 (4)   | 1340, 1710, 2168                     |
| 3510                                | $2^{1+4} : S_3$                 | 192   | 623700  | 5459, 5539, 5528 (2), 5534, 5521 (2), 6392 (3)   | 1341, 1711, 2160, 2166, 2169         |
| 3511                                | $2^5 : S_3$                     | 192   | 623700  | 5611, 5516, 5515, 5351, 5452, 5715, 5286, 6393 (3), 7532 (4)                                       | 1342, 1710, 2094, 2165, 2170         |
| 3512                                | $2^{1+4} \times S_3$            | 192   | 207900  | 5532 (3), 5564 (6), 5541 (3), 5408 (6), 5565 (6), 5524 (6), 5459, 6394 (3)                         | 1343, 1712, 2160 (3), 2162 (3), 2171 |
| 3513                                | $D_8 \times (A_4 \times 2)$     | 192   | 623700  | 5326, 5517, 5514, 5645, 5452, 5714, 5285, 6395, 7499 (4)   | 1344, 1713, 2094, 2164, 2172         |
| 3514                                | $Q_8 : (D_8 \times 3)$          | 192   | 1247400 | 5453, 5513, 5518, 6396, 7499 (4)   | 1344, 1714, 2163                     |
| 3515                                | $D_8 \times 4 : S_3$            | 192   | 1247400 | 5505, 5569, 5558, 5559, 5472, 5338, 5464, 5222, 5566, 5567, 5362, 5483, 5477, 5486, 5568, 6340 (3) | 1345, 1687, 2161                     |
| 3516                                | $2 \times 4 : 2 : 2 \times S_3$ | 192   | 1247400 | 5482, 5359, 5472, 5309, 5553, 5570, 5465, 5405, 5560, 5571, 5476, 5409, 5572, 5487, 5566, 6347 (3) | 1346, 1684, 2161                     |
| 3517                                | $D_8 \times 2 : 2 \times S_3$   | 192   | 1247400 | 5506, 5571, 5563, 5361, 5485, 5337, 5478, 5223, 5567, 5573, 5556, 5482, 5475, 5464, 5574, 6345 (3) | 1347, 1686, 2161                     |

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|-------------------------------------|------------------------|-------|---------|---|---------------------------------|
| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups   | Minimal Overgroups              |
| 3518                                | $D_8 \times 2^2 : S_3$ | 192   | 1247400 | 5483, 5561, 5484,<br>5308, 5572, 5575,<br>5479, 5406, 5569,<br>5574, 5475, 5412,<br>5557, 5465, 5360,<br>6265 (3)   | 1348, 1685, 2161                |
| 3519                                | $Q_8 \times 2^2 : S_3$ | 192   | 1247400 | 5494, 5491 (2), 5251<br>(2), 5488, 5513, 6397<br>(3), 7545 (4)  | 1349, 2163                      |
| 3520                                | $2^5 : S_3$            | 192   | 623700  | 5314, 5660 (2), 5666<br>(2), 5492 (2), 5410<br>(2), 5656, 5697,<br>5712, 5495, 5489,<br>5514, 6398 (3), 7545<br>(4) | 1349, 2089, 2164,<br>2173       |
| 3521                                | $2^5 : S_3$            | 192   | 623700  | 5598, 5660 (2), 5664<br>(2), 5490 (2), 5411<br>(2), 5713, 5698,<br>5315, 5493, 5515,<br>5489, 6399 (3), 7546<br>(4) | 1350, 2089, 2170,<br>2174       |
| 3522                                | $2^3 \times 4 : S_3$   | 192   | 623700  | 5489, 5694, 5681,<br>5507, 5498, 5692,<br>5261, 6400 (3), 7547<br>(4)   | 1351, 2092, 2173,<br>2174       |
| 3523                                | $2^5 : S_3$            | 192   | 623700  | 5496 (2), 5503 (2),<br>5495, 5720, 5629 (2),<br>5504, 5706, 5507,<br>5684, 5724 (2), 5343,<br>6401 (3), 7548 (4)    | 1352, 2096, 2123,<br>2173       |
| 3524                                | $2^5 : S_3$            | 192   | 623700  | 5497 (2), 5502, 5493,<br>5721 (2), 5630 (2),<br>5503 (2), 5685, 5707,<br>5507, 5366, 5597,<br>6402 (3), 7549 (4)    | 1353, 2096, 2121,<br>2174       |
| 3525                                | $2^5 : S_3$            | 192   | 623700  | 5502, 5292, 5383,<br>5355, 5687, 5613,<br>5516, 6296 (3), 7550<br>(4)   | 1354, 1762, 2097,<br>2121, 2165 |
| 3526                                | $2^5 : S_3$            | 192   | 623700  | 5504, 5272, 5489,<br>5711, 5686, 5702,<br>5516, 6403 (3), 7551<br>(4)   | 1355, 2097, 2170,<br>2173       |

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|-------------------------------------|--|-------|---------|--|------------------------------|
| Nr.                                 | Structure                                | Order | Length  | Maximal Subgroups  | Minimal Overgroups           |
| 3527                                | $D_8 \times (A_4 \times 2)$              | 192   | 623700  | 5504, 5291, 5383, 5648, 5688, 5350, 5517, 6367, 7552 (4)     | 1356, 1759, 2097, 2123, 2172 |
| 3528                                | $Q_8 \times 4 : S_3$                     | 192   | 1247400 | 5501, 5488, 5518, 6404 (3), 7553 (4)                         | 1357, 2163                   |
| 3529                                | $2^3 \times 4 : S_3$                     | 192   | 623700  | 5502, 5290, 5489, 5710, 5329, 5701, 5517, 6405 (3), 7553 (4) | 1357, 2097, 2164, 2174       |
| 3530                                | $2^5 \cdot S_3$                          | 192   | 623700  | 5336, 5499, 5493, 5727, 5516, 5368, 5278, 6406 (3), 7554 (4) | 1358, 2099, 2121, 2170       |
| 3531                                | $2^3 \times 4 : S_3$                     | 192   | 623700  | 5335, 5498, 5495, 5728, 5516, 5731, 5263, 6407 (3), 7555 (4) | 1359, 2099, 2165, 2173       |
| 3532                                | $Q_8 \times 4 : S_3$                     | 192   | 1247400 | 5500, 5494, 5518, 6408 (3), 7556 (4)                         | 1360, 2163                   |
| 3533                                | $2^3 \times 4 : S_3$                     | 192   | 623700  | 5331, 5517, 5495, 5732, 5499, 5729, 5277, 6409 (3), 7556 (4) | 1360, 2099, 2123, 2164       |
| 3534                                | $A_4 \times 2 \cdot 2 \times 2 \times 2$ | 192   | 623700  | 5334, 5498, 5493, 5367, 5517, 5730, 5268, 6410, 7557 (4)     | 1361, 2099, 2172, 2174       |
| 3535                                | $Q_8 \times 2^2 : S_3$                   | 192   | 1247400 | 5500, 5513, 5501, 6411 (3), 7558 (4)                         | 1362, 2163                   |
| 3536                                | $2^5 : S_3$                              | 192   | 623700  | 5499, 5282, 5514, 5739, 5333, 5737, 5502, 6412 (3), 7558 (4) | 1362, 2102, 2121, 2164       |
| 3537                                | $2^3 \times 4 : S_3$                     | 192   | 623700  | 5498, 5267, 5515, 5741, 5691, 5369, 5502, 6413 (3), 7559 (4) | 1363, 2102, 2165, 2174       |
| 3538                                | $D_8 \times (A_4 \times 2)$              | 192   | 623700  | 5498, 5262, 5514, 5740, 5690, 5736, 5504, 6414, 7560 (4)     | 1364, 2102, 2172, 2173       |
| 3539                                | $2^5 : S_3$                              | 192   | 623700  | 5499, 5738, 5515, 5689, 5372, 5281, 5504, 6415 (3), 7561 (4) | 1365, 2102, 2123, 2170       |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups           |
| 3540                                | $2^5 : S_3$                    | 192   | 623700  | 5612 (2), 5386, 6296 (3), 7562 (4), 7563 (8)                 | 1366, 1762, 2120, 2146, 2176 |
| 3541                                | $2^5 : S_3$                    | 192   | 623700  | 5622 (2), 5387, 6416 (3), 7564 (8), 7562 (4)                 | 1366, 2147, 2152, 2177       |
| 3542                                | $2 \times 4^2 : S_3$           | 192   | 623700  | 5746 (2), 5385, 6417 (3), 7562 (4)                           | 1366, 2145, 2153, 2175       |
| 3543                                | $4^2 : 3 \times 2 \cdot 2$     | 192   | 623700  | 5385, 6418, 7565 (4)   | 1367, 2151, 2154, 2175       |
| 3544                                | $2^4 : 3 \times 2 \cdot 2$     | 192   | 623700  | 5386, 6364, 7565 (4)   | 1367, 1778, 2122, 2149, 2176 |
| 3545                                | $2^4 : 3 \times 2 \cdot 2$     | 192   | 623700  | 5387, 6419, 7565 (4)   | 1367, 2148, 2155, 2177       |
| 3546                                | $2^2 \times 4 \cdot 2 : 3 : 2$ | 192   | 1247400 | 5384, 6420, 7565 (4)   | 1367, 2150                   |
| 3547                                | $2^5 : S_3$                    | 192   | 623700  | 5514, 5705, 5682, 5516, 5507, 5716, 5270, 6421 (3), 7541 (4) | 1368, 2094, 2121, 2173       |
| 3548                                | $2^3 \times 4 : S_3$           | 192   | 623700  | 5517, 5287, 5683, 5507, 5515, 5704, 5364, 6422 (3), 7542 (4) | 1369, 2094, 2123, 2174       |
| 3549                                | $2 \times 4 : 2 : 2 : S_3$     | 192   | 623700  | 5520, 5508, 5527, 6423 (3)                                   | 1370, 2126, 2178, 2179       |
| 3550                                | $2 \times 4 : 2 : 2 : S_3$     | 192   | 623700  | 5520, 5509, 5526, 6288 (3)                                   | 1371, 2126, 2180, 2181       |
| 3551                                | $2 \times 12 : 2 : 2 : 2$      | 192   | 623700  | 5520, 5511, 5547, 6424                                       | 1372, 2127, 2179, 2180       |
| 3552                                | $2 \times 12 : 2 : 2 : 2$      | 192   | 623700  | 5510, 5520, 5546, 6425                                       | 1373, 2127, 2178, 2181       |
| 3553                                | $8 : 2 : 2 : S_3$              | 192   | 623700  | 5539, 5511, 5526, 6293 (3)                                   | 1374, 2128, 2166, 2180       |
| 3554                                | $D_8 \times 2 \cdot 2 : S_3$   | 192   | 623700  | 5539, 5510, 5527, 6426 (3)                                   | 1375, 2128, 2169, 2178       |
| 3555                                | $D_8 \times 2 \cdot 2 : S_3$   | 192   | 623700  | 5526, 5554 (2), 5576 (2), 5541, 5510, 6427 (3)               | 1376, 2128, 2171, 2181       |
| 3556                                | $8 : 2 : 2 : S_3$              | 192   | 623700  | 5511, 5541, 5577 (2), 5527, 5578 (2), 6428 (3)               | 1377, 2128, 2162, 2179       |
| 3557                                | $8 : 2 : 2 \times S_3$         | 192   | 623700  | 5511, 5509, 5579 (2), 5532, 5580 (2), 6429 (3)               | 1378, 2129, 2162, 2180       |

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| Nr.                                 | Structure                           | Order | Length  | Maximal Subgroups  | Minimal Overgroups     |
| 3558                                | $D_8 \times 2 \cdot 2 : S_3$        | 192   | 623700  | 5509, 5510, 5534, 6430 (3)   | 1379, 2129, 2169, 2181 |
| 3559                                | $D_8 \times 2 \cdot 2 \times S_3$   | 192   | 623700  | 5532, 5570 (2), 5576 (2), 5508, 5510, 6431 (3)   | 1380, 2129, 2171, 2178 |
| 3560                                | $8 : 2 : 2 : S_3$                   | 192   | 623700  | 5508, 5511, 5534, 6432 (3)   | 1381, 2129, 2166, 2179 |
| 3561                                | $D_8 \times 2 : 2 : S_3$            | 192   | 623700  | 5547, 5575 (2), 5576 (2), 5541, 5508, 6433 (3)   | 1382, 2130, 2171, 2179 |
| 3562                                | $D_8 \times 2 : 2 \cdot S_3$        | 192   | 623700  | 5539, 5508, 5546, 6434 (3)   | 1383, 2130, 2166, 2178 |
| 3563                                | $D_8 \times 2 : 2 : S_3$            | 192   | 623700  | 5541, 5509, 5581 (2), 5546, 5582 (2), 6435 (3)   | 1384, 2130, 2162, 2181 |
| 3564                                | $2 \times 4 : 2 : 2 \cdot S_3$      | 192   | 623700  | 5539, 5509, 5547, 6436 (3)   | 1385, 2130, 2169, 2180 |
| 3565                                | $2 \times 4 : 2 : 2 : S_3$          | 192   | 623700  | 5520, 5541, 5530 (2), 5534, 5523 (2), 6437 (3)   | 1386, 2160, 2179, 2181 |
| 3566                                | $2^3 \cdot 2 : 2 \times S_3$        | 192   | 1247400 | 5519, 5540, 5408, 5531, 5523, 5529, 5521, 6438 (3)   | 1387, 2160             |
| 3567                                | $2 \times 4 : 2 : 2 \times S_3$     | 192   | 623700  | 5520, 5539, 5529 (2), 5532, 5522 (2), 6439 (3)   | 1388, 2160, 2178, 2180 |
| 3568                                | $D_8 \times 2 \cdot 2 : S_3$        | 192   | 1247400 | 5519, 5540, 5530, 5533, 5524, 5528, 5522, 6440 (3)   | 1389, 2160             |
| 3569                                | $2 \times 4 \cdot 2 : 2 : S_3$      | 192   | 1247400 | 5542, 5525, 5566, 5310, 5544, 5536, 5360, 5505, 5560, 5556, 5537, 5226, 5574, 5548, 5533, 6441 (3) | 1390, 2161             |
| 3570                                | $2 \times 4 \cdot 2 : 2 \times S_3$ | 192   | 1247400 | 5543, 5569, 5555, 5225, 5359, 5561, 5558, 5506, 5545, 5535, 5538, 5548, 5531, 5525, 5571, 6442 (3) | 1391, 2161             |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups               |
| 3571                                | $D_8 \times 2 : 2 \times S_3$ | 192   | 623700  | 5545 (2), 5568, 5311, 5527, 5532, 5557 (2), 5409 (2), 5562, 5573, 5537 (2), 5546, 6443 (3) | 1392, 2161, 2162, 2178           |
| 3572                                | $D_8 \times 2 : 2 : S_3$      | 192   | 623700  | 5544 (2), 5535 (2), 5312 (2), 5534, 5547, 5553 (2), 5412 (2), 5567 (2), 5527, 6444 (3)     | 1393, 2161, 2169, 2179           |
| 3573                                | $D_8 \times 2 : 2 : S_3$      | 192   | 623700  | 5542 (2), 5538 (2), 5362 (2), 5534, 5526, 5572 (2), 5224 (2), 5563 (2), 5546, 6330 (3)     | 1394, 2161, 2166, 2181           |
| 3574                                | $D_8 \times 2 : 2 \times S_3$ | 192   | 623700  | 5543 (2), 5559 (2), 5361 (2), 5570, 5575, 5554, 5220, 5536 (2), 5547, 5532, 5526, 6292 (3) | 1395, 2161, 2171, 2180           |
| 3575                                | $Q_8 : 2^2 \times S_3$        | 192   | 1247400 | 5552, 5550, 5583 (2), 5581, 5273 (2), 5565, 5174 (2), 5573, 5578, 5584 (2), 5579, 6445 (3) | 1396, 2162                       |
| 3576                                | $Q_8 : 4 \times S_3$          | 192   | 1247400 | 5551, 5582, 5579, 5311, 5549, 5565, 5577, 6446 (3)   | 1397, 2162                       |
| 3577                                | $D_8 : 2^2 : S_3$             | 192   | 1247400 | 5552, 5581, 5577, 5562, 5564, 5549, 5580, 6447 (3)   | 1398, 2162                       |
| 3578                                | $Q_8 : 4 : S_3$               | 192   | 1247400 | 5551, 5582, 5580, 5568, 5550, 5564, 5578, 6448 (3)   | 1399, 2162                       |
| 3579                                | $2 \times 4 : 2 : 2 : S_3$    | 192   | 311850  | 5586, 5600, 5587, 6449 (3), 7405 (4)   | 1608, 2134, 2182 (2), 2209 (2)   |
| 3580                                | $2 \times 4 : 2 : 2 : S_3$    | 192   | 1247400 | 5589, 5602, 5588, 6450 (3), 7404 (4)   | 1609, 2119                       |
| 3581                                | $D_8 \times 2 : 2 : S_3$      | 192   | 623700  | 5590, 5600, 5591, 6376 (3), 7406 (4)   | 1612, 1700 (2), 2132, 2182, 2217 |
| 3582                                | $2^5 : S_3$                   | 192   | 207900  | 5586, 5607, 5590, 6451 (3), 7409 (12)  | 1613, 2182 (3), 2213 (3), 2218   |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 3583                                | $2^4 : 3 : 2 \times 2$      | 192   | 623700  | 5607, 5591, 5587, 6451, 7408 (4)                             | 1613, 2182, 2214, 2219                                   |
| 3584                                | $2 \times 4 : 2 : 2 : S_3$  | 192   | 623700  | 5587, 5604, 5590, 6452 (3), 7411 (4)                         | 1614, 2182, 2214, 2221                                   |
| 3585                                | $2 \times 4 : 2 : 2 : S_3$  | 192   | 623700  | 5586, 5604, 5591, 6452 (3), 7410 (4)                         | 1614, 2182, 2213, 2220                                   |
| 3586                                | $D_8 \times (A_4 \times 2)$ | 192   | 311850  | 5342 (2), 5670, 5632, 5635, 5258 (2), 6303, 7566 (4)         | 1619, 1620 (2), 2091, 2183, 2184, 2205, 2243, 2257, 2267 |
| 3587                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5642, 5644, 5342, 5264, 5288, 5726, 5352, 6319 (3), 7567 (4) | 1636, 1637, 2107, 2110, 2183                             |
| 3588                                | $D_8 \times (A_4 \times 2)$ | 192   | 623700  | 5643, 5289, 5342, 5735, 5606, 5265, 5353, 6320, 7568 (4)     | 1638, 1639, 2107, 2111, 2184                             |
| 3589                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5611, 5613, 5341, 5267, 5647, 5728, 5646, 6321 (3), 7569 (4) | 1642, 1643, 2109, 2165, 2185                             |
| 3590                                | $D_8 \times (A_4 \times 2)$ | 192   | 623700  | 5617, 5341, 5615, 5736, 5645, 5648, 5268, 6322, 7570 (4)     | 1644, 1645, 2112, 2172, 2185                             |
| 3591                                | $D_8 \times 2^2 : S_3$      | 192   | 311850  | 5628 (2), 5747, 5599, 5623 (2), 5748, 6333 (3), 7571 (4)     | 1665 (4), 2088 (2), 2186 (2), 2345                       |
| 3592                                | $2^5 : S_3$                 | 192   | 623700  | 5604, 5607, 5600, 6341 (3), 7396 (8), 7407 (4)               | 1668, 1697 (2), 2132, 2182, 2215                         |
| 3593                                | $2^5 : S_3$                 | 192   | 1247400 | 5603, 5605, 5601, 6342 (3), 7289 (4), 7572 (4), 7260 (4)     | 1670, 2168   |
| 3594                                | $2^5 : S_3$                 | 192   | 623700  | 5306, 5288, 5345, 5592, 5606, 5703, 5742, 6342 (3), 7573 (4) | 1670, 2107, 2113, 2191                                   |
| 3595                                | $D_8 \times (A_4 \times 2)$ | 192   | 623700  | 5606, 5735, 5322, 5349, 5258, 5717, 5594, 6335, 7574 (4)     | 1672, 2113, 2118, 2184                                   |
| 3596                                | $D_8 \times (A_4 \times 2)$ | 192   | 623700  | 5615, 5688, 5389, 5326, 5608, 5690, 5334, 6301, 7395 (4)     | 1674, 2106, 2172, 2232                                   |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                 |
| 3597                                | $D_8 \times (A_4 \times 2)$ | 192   | 623700  | 5617, 5740, 5334, 5350, 5609, 5714, 5595, 6334, 7575 (4)     | 1675, 2114, 2172, 2233                             |
| 3598                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5608, 5335, 5390, 5611, 5327, 5691, 5687, 6312 (3), 7576 (4) | 1676, 2106, 2165, 2231                             |
| 3599                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5347, 5741, 5335, 5613, 5609, 5715, 5596, 6336 (3), 7577 (4) | 1677, 2114, 2165, 2234                             |
| 3600                                | $2^5 : S_3$                 | 192   | 1247400 | 5602, 5612, 5616, 6344 (3), 7578 (4), 7579 (4), 7580 (4)     | 1678, 2120   |
| 3601                                | $2^5 : S_3$                 | 192   | 623700  | 5617, 5716, 5336, 5346, 5613, 5739, 5597, 6344 (3), 7581 (4) | 1678, 2114, 2121, 2185                             |
| 3602                                | $2^5 : S_3$                 | 192   | 1247400 | 5610, 5601, 5614, 6345 (3), 7582 (4), 7259 (4), 7288 (4)     | 1679, 2168   |
| 3603                                | $2^5 : S_3$                 | 192   | 623700  | 5615, 5686, 5598, 5611, 5324, 5689, 5336, 6345 (3), 7583 (4) | 1679, 2106, 2170, 2185                             |
| 3604                                | $D_8 \times (A_4 \times 2)$ | 192   | 311850  | 5627 (2), 5749, 5303, 5599 (2), 5750, 6356, 7584 (4)         | 1688 (4), 2186, 2194, 2237, 2292, 2294, 2297, 2301 |
| 3605                                | $2 \times 4 : 2 : 2 : S_3$  | 192   | 1247400 | 5619, 5626, 5622, 6369 (3), 7585 (4)                         | 1689 (2), 2152                                     |
| 3606                                | $D_8 \times 2 : 2 : S_3$    | 192   | 623700  | 5620, 5604, 5591, 6370 (3), 7586 (4)                         | 1690 (4), 1691 (2), 1718, 2132, 2214, 2220         |
| 3607                                | $D_8 \times 2^2 : S_3$      | 192   | 623700  | 5625, 5751, 5752, 5624, 5599, 5623, 5753, 6372 (3), 7587 (4) | 1692 (2), 2186, 2297, 2344                         |
| 3608                                | $D_8 \times 2 : 2 : S_3$    | 192   | 623700  | 5621, 5604, 5590, 6370 (3), 7588 (4)                         | 1693 (2), 1718, 2132, 2213, 2221                   |
| 3609                                | $2^5 : S_3$                 | 192   | 311850  | 5625 (2), 5623 (2), 5303, 5754, 5753, 6371 (3), 7589 (4)     | 1694 (4), 2186, 2297 (2), 2301 (2)                 |

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| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups                                     |
| 3610                                | $2^5 : S_3$                               | 192   | 207900 | 5620, 5590, 5607, 6373 (3), 7400 (12)                        | 1695 (2), 1719, 2132 (3), 2214 (3), 2218               |
| 3611                                | $2^4 : 3 : 2 \times 2$                    | 192   | 623700 | 5591, 5607, 5621, 6373, 7398 (4)                             | 1696 (2), 1719, 2132, 2213, 2219                       |
| 3612                                | $D_8 \times 2^2 : S_3$                    | 192   | 623700 | 5627, 5748, 5669, 5625, 5628, 5752, 5755, 6374 (3), 7590 (4) | 1698 (2), 2186, 2305, 2345                             |
| 3613                                | $D_8 \times 2^2 : S_3$                    | 192   | 623700 | 5627, 5751, 5755, 5624, 5623, 5747, 5756, 6375 (3), 7591 (4) | 1699 (2), 2186, 2314, 2344                             |
| 3614                                | $Q_8 \times 2^2 : S_3$                    | 192   | 623700 | 5633, 5652, 5653, 6378 (3), 7385 (4)                         | 1701 (2), 2187, 2323, 2364                             |
| 3615                                | $2^5 : S_3$                               | 192   | 311850 | 5671, 5274 (2), 5345 (2), 5658, 5632, 6379 (3), 7592 (4)     | 1702 (2), 2091, 2188, 2191, 2243, 2300, 2326, 2330     |
| 3616                                | $2^{1+4} : S_3$                           | 192   | 311850 | 5631, 6380 (3), 7593 (4), 7360 (8)                           | 1703 (2), 2084, 2138, 2189, 2190, 2268, 2269, 2270     |
| 3617                                | $A_4 \times 2 \times 2 \times 2 \times 2$ | 192   | 51975  | 5663 (6), 5606 (4), 5358 (4), 5632, 6382, 7594 (4)           | 1705 (4), 2090, 2184 (6), 2191 (6), 2320 (3), 2355 (3) |
| 3618                                | $2^{1+4} : 6$                             | 192   | 51975  | 5631, 6381, 7595 (4)   | 1706 (4), 2085, 2139 (6), 2190 (6), 2271 (3), 2274 (3) |
| 3619                                | $D_8 \times (A_4 \times 2)$               | 192   | 311850 | 5674, 5289 (2), 5349 (2), 5679, 5632, 6384, 7596 (4)         | 1707 (2), 2098, 2184, 2188, 2267, 2319, 2330, 2352     |
| 3620                                | $2^{1+4} : S_3$                           | 192   | 51975  | 5631, 6385 (3), 7597 (4), 7361 (8)                           | 1708 (4), 2085, 2140 (6), 2189 (6), 2272 (3), 2273 (3) |
| 3621                                | $Q_8 : (A_4 \times 2)$                    | 192   | 623700 | 5633, 5654, 5655, 6383, 7387 (4)                             | 1709 (2), 2187, 2325, 2364                             |
| 3622                                | $2^5 : S_3$                               | 192   | 311850 | 5632, 5356 (2), 5673, 5680, 5288 (2), 6393 (3), 7598 (4)     | 1710 (2), 2098, 2183, 2191, 2257, 2307, 2326, 2352     |
| 3623                                | $2^{1+4} : S_3$                           | 192   | 311850 | 5631, 6392 (3), 7599 (4), 7588 (8)                           | 1711 (2), 2131, 2140, 2141, 2190, 2269, 2287, 2289     |
| 3624                                | $2^{1+4} : 6$                             | 192   | 311850 | 5631, 6394, 7398 (8), 7600 (4), 7362 (8)                     | 1712 (2), 2131, 2139, 2142, 2189, 2270, 2287, 2288     |

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| Nr.                                 | Structure                                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 3625                                | $2^5 : S_3$                               | 192   | 51975   | 5632, 5644 (4), 5348 (4), 5662 (3), 5669 (3), 6395 (3), 7601 (4) | 1713 (4), 2090, 2183 (6), 2188 (6), 2305 (3), 2350 (3)                                 |
| 3626                                | $Q_8 \times 2^2 : S_3$                    | 192   | 103950  | 5748 (3), 5757 (3), 5633, 6396 (3), 7386 (4)                     | 1714 (4), 2187 (6), 2345 (3)   |
| 3627                                | $2^6 : 3$                                 | 192   | 23100   | 6350, 7602 (36), 7603 (12), 7604 (36)                            | 1721 (6), 1722, 1723 (3), 1724 (3), 2192 (9), 2196 (9), 2201 (9)                       |
| 3628                                | $2^4 : 3 \times 2 \times 2$               | 192   | 34650   | 5634 (3), 6350, 7605 (8), 7606 (12)                              | 1722 (2), 1724, 1725, 2193, 2195 (3), 2197 (9), 2199 (3), 2200 (9), 2203 (3), 2207 (3) |
| 3629                                | $A_4 \times 2 \times 2 \times 2 \times 2$ | 192   | 17325   | 5635 (6), 5750 (9), 6350, 7607 (4)                               | 1724 (2), 1725 (2), 2194 (6), 2198 (6), 2202 (9), 2204 (6), 2205 (9), 2206, 2208 (6)   |
| 3630                                | $2 \times 4 : 2 : 2 : S_3$                | 192   | 1247400 | 5589, 5640, 5588, 6453 (3), 7270 (4)                             | 1732, 2119   |
| 3631                                | $D_8 \times 2 : 2 : S_3$                  | 192   | 623700  | 5587, 5636, 5586, 6454 (3), 7269 (4)                             | 1734, 2209, 2211, 2212   |
| 3632                                | $D_8 \times 2 : 2 : S_3$                  | 192   | 311850  | 5621, 5636, 5586, 6455 (3), 7608 (4)                             | 1736, 2134, 2211 (2), 2213 (2)   |
| 3633                                | $2 \times 4 : 2 : 2 : S_3$                | 192   | 311850  | 5620, 5636, 5587, 6455 (3), 7609 (4)                             | 1736, 2134, 2212 (2), 2214 (2)   |
| 3634                                | $2^5 : S_3$                               | 192   | 103950  | 5586, 5620, 5634, 6456 (3), 7401 (12)                            | 1737, 2134 (3), 2193, 2212 (3), 2218, 2220 (3), 2224, 2228 (3)                         |
| 3635                                | $2^4 : 3 : 2 \times 2$                    | 192   | 311850  | 5621, 5634, 5587, 6456, 7402 (4)                                 | 1737, 2134, 2195, 2211, 2219, 2221, 2225, 2229   |
| 3636                                | $2^5 : S_3$                               | 192   | 311850  | 5636, 5600, 5634, 6457 (3), 7397 (8), 7273 (4)                   | 1738, 2134, 2203, 2209, 2210, 2215, 2217, 2226   |
| 3637                                | $2^5 : S_3$                               | 192   | 311850  | 5184, 5637, 5635, 5252, 5323, 5696, 5671, 6457 (3), 7443 (4)     | 1738, 2091, 2204, 2216, 2222, 2223, 2227, 2230   |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 3638                                | $D_8 \times 2^2 : S_3$      | 192   | 311850 | 5186, 5642, 5323,<br>5742, 5643, 5733,<br>5254, 6458 (3), 7481<br>(4)                 | 1739, 2107 (2), 2222,<br>2230 (2)                                    |
| 3639                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5316, 5388, 5608,<br>5694, 5275, 5672,<br>5639, 6258 (3), 7253<br>(4)                 | 1740, 2092, 2231,<br>2232  |
| 3640                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5646, 5290, 5324,<br>5732, 5656, 5739,<br>5645, 6459 (3), 7610<br>(4)                 | 1741, 2108, 2164,<br>2185  |
| 3641                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5371, 5644, 5345,<br>5708, 5289, 5284,<br>5733, 6459 (3), 7611<br>(4)                 | 1741, 2107, 2116,<br>2188  |
| 3642                                | $D_8 \times (A_4 \times 2)$ | 192   | 623700 | 5291, 5354, 5608,<br>5730, 5645, 5740,<br>5392, 6302, 7612 (4)                        | 1742, 2108, 2172,<br>2231  |
| 3643                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5391, 5351, 5608,<br>5731, 5646, 5741,<br>5292, 6273 (3), 7613<br>(4)                 | 1743, 2108, 2165,<br>2232  |
| 3644                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5258, 5283, 5370,<br>5356, 5644, 5718,<br>5726, 6460 (3), 7614<br>(4)                 | 1744, 2116, 2118,<br>2183  |
| 3645                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5316, 5716, 5659,<br>5611, 5645, 5287,<br>5675, 6460 (3), 7531<br>(4)                 | 1744, 2094, 2185,<br>2231  |
| 3646                                | $2^5 : S_3$                 | 192   | 311850 | 5604 (2), 5634, 6461<br>(3), 7615 (8), 7616<br>(4)                                    | 1745, 2200, 2215,<br>2220, 2221, 2240,<br>2241, 2248                 |
| 3647                                | $2^5 : S_3$                 | 192   | 311850 | 5635, 5283 (2), 5662,<br>5352 (2), 5673, 6461<br>(3), 7617 (4)                        | 1745, 2093, 2183,<br>2202, 2216, 2249,<br>2254, 2255                 |
| 3648                                | $2^5 : S_3$                 | 192   | 103950 | 5669 (3), 5593 (3),<br>5718 (3), 5680 (3),<br>5635, 5642, 5328,<br>6462 (3), 7455 (4) | 1746, 2095, 2183 (3),<br>2206, 2222 (3), 2252<br>(3), 2260 (3), 2262 |

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| Nr.                                 | Structure                                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 3649                                | $D_8 \times (A_4 \times 2)$               | 192   | 311850  | 5635, 5253, 5663, 5643, 5325, 5717, 5674, 6462, 7458 (4)                     | 1746, 2093, 2184, 2208, 2222, 2253, 2261, 2263                 |
| 3650                                | $2^5 : S_3$                               | 192   | 207900  | 5665 (3), 5720 (3), 5676 (3), 5597 (3), 5615, 5316, 5646, 6260 (3), 7254 (4) | 1747, 2096, 2185 (3), 2232 (3)                                 |
| 3651                                | $2^4 : 3 \times 2 \times 2$               | 192   | 103950  | 5607 (2), 5634, 6463, 7618 (8), 7619 (12)                                    | 1748, 2207, 2215 (3), 2218, 2219 (3), 2244, 2245 (3), 2250 (3) |
| 3652                                | $A_4 \times 2 \times 2 \times 2 \times 2$ | 192   | 103950  | 5663 (3), 5594 (6), 5679 (3), 5353 (2), 5635, 6463, 7620 (4)                 | 1748, 2095, 2184 (3), 2208, 2216 (3), 2251 (3), 2264, 2265 (3) |
| 3653                                | $D_8 \times 2^2 : S_3$                    | 192   | 623700  | 5313, 5672, 5681, 5641, 5609, 5657, 5276, 6464 (3), 7621 (4)                 | 1749, 2092, 2233, 2234   |
| 3654                                | $2^5 : S_3$                               | 192   | 1247400 | 5638, 5610, 5605, 6465 (3), 7265 (4), 7622 (4), 7459 (4)                     | 1751, 2168   |
| 3655                                | $2^5 : S_3$                               | 192   | 623700  | 5611, 5713, 5354, 5702, 5727, 5281, 5639, 6465 (3), 7623 (4)                 | 1751, 2109, 2170, 2231   |
| 3656                                | $2^5 : S_3$                               | 192   | 623700  | 5606, 5734, 5365, 5274, 5356, 5703, 5279, 6465 (3), 7624 (4)                 | 1751, 2111, 2118, 2191   |
| 3657                                | $D_8 \times 2^2 : S_3$                    | 192   | 623700  | 5282, 5646, 5326, 5729, 5639, 5701, 5712, 6279 (3), 7625 (4)                 | 1752, 2109, 2164, 2232   |
| 3658                                | $2^5 : S_3$                               | 192   | 623700  | 5636, 5604, 5607, 6466 (3), 7626 (8), 7627 (4)                               | 1753, 2213, 2214, 2215   |
| 3659                                | $2^5 : S_3$                               | 192   | 623700  | 5661, 5637, 5353, 5280, 5352, 5700, 5279, 6466 (3), 7628 (4)                 | 1753, 2110, 2111, 2216   |
| 3660                                | $D_8 \times 2^2 : S_3$                    | 192   | 311850  | 5667, 5637, 5328, 5734, 5643, 5709, 5255, 6467 (3), 7483 (4)                 | 1754, 2111 (2), 2222, 2260 (2)                                 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups   | Minimal Overgroups                |
| 3661                                | $D_8 \times 2^2 : S_3$ | 192   | 311850  | 5668, 5637, 5325,<br>5725, 5642, 5699,<br>5256, 6467 (3), 7484<br>(4)                 | 1754, 2110 (2), 2222,<br>2261 (2) |
| 3662                                | $D_8 \times 2^2 : S_3$ | 192   | 623700  | 5347, 5738, 5684,<br>5641, 5648, 5704,<br>5277, 6468 (3), 7629<br>(4)                 | 1755, 2112, 2123,<br>2234         |
| 3663                                | $D_8 \times 2^2 : S_3$ | 192   | 623700  | 5683, 5641, 5350,<br>5281, 5647, 5706,<br>5729, 6468 (3), 7630<br>(4)                 | 1755, 2109, 2123,<br>2233         |
| 3664                                | $2^5 : S_3$            | 192   | 1247400 | 5612, 5640, 5616,<br>6469 (3), 7631 (4),<br>7261 (4), 7585 (4)                        | 1756, 2120                        |
| 3665                                | $2^5 : S_3$            | 192   | 623700  | 5682, 5613, 5357,<br>5707, 5641, 5727,<br>5282, 6469 (3), 7632<br>(4)                 | 1756, 2109, 2121,<br>2234         |
| 3666                                | $2^5 : S_3$            | 192   | 623700  | 5617, 5705, 5685,<br>5355, 5641, 5737,<br>5278, 6469 (3), 7633<br>(4)                 | 1756, 2112, 2121,<br>2233         |
| 3667                                | $D_8 \times 2^2 : S_3$ | 192   | 623700  | 5327, 5737, 5697,<br>5639, 5645, 5710,<br>5277, 6470 (3), 7634<br>(4)                 | 1757, 2112, 2164,<br>2231         |
| 3668                                | $D_8 \times 2^2 : S_3$ | 192   | 623700  | 5725, 5274, 5349,<br>5708, 5644, 5280,<br>5363, 6470 (3), 7635<br>(4)                 | 1757, 2110, 2118,<br>2188         |
| 3669                                | $2^5 : S_3$            | 192   | 1247400 | 5603, 5638, 5614,<br>6278 (3), 7636 (4),<br>7266 (4), 7637 (4)                        | 1758, 2168                        |
| 3670                                | $2^5 : S_3$            | 192   | 623700  | 5615, 5711, 5698,<br>5351, 5639, 5738,<br>5278, 6278 (3), 7638<br>(4)                 | 1758, 2112, 2170,<br>2232         |
| 3671                                | $2^5 : S_3$            | 192   | 207900  | 5665 (3), 5656 (3),<br>5598 (3), 5647, 5617,<br>5659 (3), 5313, 6471<br>(3), 7639 (4) | 1761, 2089, 2185 (3),<br>2233 (3) |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 3672                                | $D_8 \times (A_4 \times 2)$ | 192   | 623700 | 5357, 5730, 5690, 5648, 5609, 5723, 5285, 6471, 7640 (4)     | 1761, 2115, 2172, 2234   |
| 3673                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5647, 5731, 5691, 5355, 5609, 5722, 5286, 6472 (3), 7641 (4) | 1763, 2115, 2165, 2233   |
| 3674                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5313, 5290, 5648, 5676, 5675, 5686, 5613, 6472 (3), 7642 (4) | 1763, 2097, 2185, 2234   |
| 3675                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5647, 5720, 5689, 5346, 5648, 5732, 5287, 6473 (3), 7643 (4) | 1764, 2115, 2123, 2185   |
| 3676                                | $2^5 : S_3$                 | 192   | 103950 | 5586 (2), 5634, 6474 (3), 7644 (12)                          | 1769, 2193, 2209 (3), 2211 (3), 2239 (3), 2241 (3), 2244, 2246 |
| 3677                                | $2^4 : 3 : 2 \times 2$      | 192   | 311850 | 5634, 5587 (2), 6474, 7645 (4)                               | 1769, 2195, 2209, 2212, 2238, 2240, 2245, 2247                 |
| 3678                                | $2^5 : S_3$                 | 192   | 103950 | 5590 (2), 5634, 6475 (3), 7646 (12)                          | 1770, 2199, 2217 (3), 2218, 2221 (3), 2238 (3), 2246, 2259 (3) |
| 3679                                | $2^4 : 3 : 2 \times 2$      | 192   | 311850 | 5634, 5591 (2), 6475, 7647 (4)                               | 1770, 2197, 2217, 2219, 2220, 2239, 2247, 2258                 |
| 3680                                | $2^5 \cdot S_3$             | 192   | 103950 | 5634, 6476 (3), 7648 (12)                                    | 1771, 2199, 2210 (3), 2224, 2229 (3), 2240 (3), 2244, 2258 (3) |
| 3681                                | $2^4 : 3 \times 2 \cdot 2$  | 192   | 311850 | 5634, 6476, 7649 (4)   | 1771, 2197, 2210, 2225, 2228, 2241, 2245, 2259                 |
| 3682                                | $2^5 \cdot S_3$             | 192   | 311850 | 5634, 6477 (3), 7454 (8), 7650 (4)                           | 1772, 2200, 2226, 2228, 2229, 2238, 2239, 2250                 |
| 3683                                | $2^5 \cdot S_3$             | 192   | 311850 | 5673, 5635, 5758, 6477 (3), 7453 (4)                         | 1772, 2202, 2227, 2251, 2252, 2253, 2256, 2257                 |
| 3684                                | $2^5 : S_3$                 | 192   | 311850 | 5636 (2), 5634, 6478 (3), 7651 (8), 7652 (4)                 | 1773, 2203, 2211, 2212, 2248, 2250, 2258, 2259                 |

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| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 3685                                | $2^5 : S_3$                              | 192   | 311850 | 5635, 5759 (2), 5637 (2), 5760, 5658, 6478 (3), 7653 (4)         | 1773, 2204, 2242, 2243, 2249, 2251, 2260, 2261                 |
| 3686                                | $2^5 \cdot S_3$                          | 192   | 103950 | 5671 (3), 5760 (3), 5635, 6479 (3), 7414 (4)                     | 1774, 2204, 2223 (3), 2243 (3), 2253 (3), 2254 (3), 2262, 2264 |
| 3687                                | $A_4 \times 2 \times 2 \times 2 \cdot 2$ | 192   | 311850 | 5635, 5670, 5761, 6479, 7442 (4)                                 | 1774, 2205, 2223, 2242, 2252, 2255, 2263, 2265                 |
| 3688                                | $2^5 : S_3$                              | 192   | 103950 | 5680 (3), 5762 (6), 5756 (3), 5635, 5642 (2), 6480 (3), 7654 (4) | 1775, 2206, 2230 (3), 2255 (3), 2257 (3), 2261 (3), 2264, 2266 |
| 3689                                | $D_8 \times (A_4 \times 2)$              | 192   | 311850 | 5635, 5763 (2), 5679, 5643 (2), 5764, 6480, 7655 (4)             | 1775, 2208, 2230, 2254, 2256, 2260, 2265, 2267                 |
| 3690                                | $A_4 \times 2 \cdot 2 \times 2 \times 2$ | 192   | 103950 | 5674 (3), 5764 (3), 5635, 6481, 7456 (4)                         | 1776, 2208, 2227 (3), 2249 (3), 2262, 2263 (3), 2266, 2267 (3) |
| 3691                                | $2^4 : 3 \times 2 \cdot 2$               | 192   | 103950 | 5634, 6481, 7457 (8), 7656 (12)                                  | 1776, 2207, 2224, 2225 (3), 2226 (3), 2246, 2247 (3), 2248 (3) |
| 3692                                | $2 \times 4 : 2 : 2 : S_3$               | 192   | 623700 | 5590, 5636, 5591, 6482 (3), 7657 (4)                             | 1779, 2213, 2214, 2217   |
| 3693                                | $D_8 \times 2^2 : S_3$                   | 192   | 623700 | 5643, 5765, 5642, 5678, 5766, 5767, 5637, 6483 (3), 7658 (4)     | 1780, 2230, 2260, 2261   |
| 3694                                | $2^{1+4} : 6$                            | 192   | 155925 | 5631, 6484, 7659 (4)   | 2086, 2142 (2), 2269 (2), 2271, 2273, 2278 (2), 2279 (2)       |
| 3695                                | $2^{1+4} : S_3$                          | 192   | 155925 | 5631, 6485 (3), 7660 (4), 7661 (8)                               | 2086, 2141 (2), 2270 (2), 2272, 2274, 2277 (2), 2278 (2)       |
| 3696                                | $D_8 \times 2^2 : S_3$                   | 192   | 623700 | 5653, 5654, 5747, 6486 (3), 7662 (4)                             | 2088, 2361, 2364   |
| 3697                                | $D_8 \times 2^2 : S_3$                   | 192   | 623700 | 5654, 5585 (2), 5652, 5748, 5768 (2), 6487 (3), 7391 (4)         | 2088, 2187, 2353   |
| 3698                                | $2^2 \times 8 : S_3$                     | 192   | 623700 | 5653, 5748, 5655, 6488 (3), 7392 (4)                             | 2088, 2187, 2359   |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 3699                                | $2^2 \times 8 : S_3$   | 192   | 623700 | 5747, 5652, 5655, 6489 (3), 7663 (4)   | 2088, 2358, 2364                         |
| 3700                                | $2^3 \times 4 : S_3$   | 192   | 311850 | 5257 (2), 5693 (2), 5184, 5670, 5658, 6490 (3), 7664 (4)   | 2091, 2242, 2280, 2281, 2298, 2329, 2332 |
| 3701                                | $2^5 : S_3$            | 192   | 311850 | 5673, 5269 (2), 5663, 5703 (2), 5658, 6491 (3), 7665 (4)   | 2093, 2191, 2251, 2281, 2308, 2347, 2349 |
| 3702                                | $2^3 \times 4 : S_3$   | 192   | 311850 | 5674, 5284 (2), 5662, 5363 (2), 5658, 6492 (3), 7666 (4)   | 2093, 2188, 2249, 2280, 2310, 2346, 2348 |
| 3703                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5675, 5285, 5317, 5715, 5682, 5704, 5657, 6493 (3), 7540 (4)   | 2094, 2125, 2234                         |
| 3704                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5320, 5714, 5659, 5286, 5705, 5683, 5657, 6494 (3), 7543 (4)   | 2094, 2124, 2233                         |
| 3705                                | $2^5 : S_3$            | 192   | 311850 | 5668 (2), 5592 (2), 5663, 5680, 5365 (2), 5618 (4), 5658, 5678 (2), 6495 (3), 7667 (4)               | 2095, 2191, 2261, 2280, 2317, 2347, 2354 |
| 3706                                | $2^5 : S_3$            | 192   | 311850 | 5667 (2), 5708 (2), 5669, 5679, 5344 (2), 5719 (2), 5658, 5585 (2), 5678 (2), 6496 (3), 7668 (4)     | 2095, 2188, 2260, 2281, 2318, 2351, 2353 |
| 3707                                | $2^5 : S_3$            | 192   | 623700 | 5666 (2), 5596, 5677 (2), 5707, 5629 (2), 5318, 5676, 5721 (2), 5684, 5723, 5657, 6497 (3), 7669 (4) | 2096, 2124, 2234                         |
| 3708                                | $2^5 : S_3$            | 192   | 623700 | 5665, 5677 (2), 5664 (2), 5724 (2), 5630 (2), 5706, 5685, 5321, 5595, 5722, 5657, 6498 (3), 7670 (4) | 2096, 2125, 2233                         |

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| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 3709                                | $D_8 \times 2^2 : S_3$                   | 192   | 623700 | 5676, 5711, 5388, 5292, 5701, 5688, 5320, 6261 (3), 7255 (4) | 2097, 2124, 2232                         |
| 3710                                | $D_8 \times 2^2 : S_3$                   | 192   | 623700 | 5321, 5710, 5388, 5291, 5702, 5687, 5675, 6499 (3), 7671 (4) | 2097, 2125, 2231                         |
| 3711                                | $2^3 \times 4 : S_3$                     | 192   | 311850 | 5674, 5709, 5184, 5330, 5699, 5254, 5680, 6500 (3), 7468 (4) | 2098, 2222, 2266, 2280, 2315, 2331, 2334 |
| 3712                                | $2^5 : S_3$                              | 192   | 311850 | 5673, 5700 (2), 5184, 5271 (2), 5679, 6501 (3), 7672 (4)     | 2098, 2216, 2256, 2281, 2311, 2328, 2343 |
| 3713                                | $2^3 \times 4 : S_3$                     | 192   | 623700 | 5336, 5732, 5665, 5675, 5728, 5319, 5268, 6502 (3), 7673 (4) | 2099, 2125, 2185                         |
| 3714                                | $2^3 \times 4 : S_3$                     | 192   | 623700 | 5727, 5335, 5318, 5672, 5277, 5675, 5730, 6503 (3), 7674 (4) | 2099, 2231, 2234                         |
| 3715                                | $2^3 \times 4 : S_3$                     | 192   | 623700 | 5278, 5731, 5665, 5672, 5729, 5320, 5334, 6262 (3), 7256 (4) | 2099, 2232, 2233                         |
| 3716                                | $2^3 \times 4 : S_3$                     | 192   | 311850 | 5305, 5725, 5669, 5671, 5733, 5674, 5255, 6504 (3), 7416 (4) | 2100, 2188, 2222, 2262, 2318, 2336, 2338 |
| 3717                                | $2^5 \cdot S_3$                          | 192   | 311850 | 5306 (2), 5663, 5673, 5279 (2), 5671, 6505 (3), 7415 (4)     | 2100, 2191, 2216, 2253, 2308, 2337, 2341 |
| 3718                                | $2^3 \times 4 : S_3$                     | 192   | 311850 | 5259 (2), 5726 (2), 5669, 5673, 5670, 6506 (3), 7425 (4)     | 2100, 2183, 2252, 2281, 2304, 2338, 2351 |
| 3719                                | $A_4 \times 2 \cdot 2 \times 2 \times 2$ | 192   | 311850 | 5322 (2), 5265 (2), 5663, 5674, 5670, 6507, 7426 (4)         | 2100, 2184, 2263, 2280, 2321, 2335, 2349 |
| 3720                                | $D_8 \times (A_4 \times 2)$              | 192   | 311850 | 5670, 5260 (2), 5663, 5735 (2), 5679, 6508, 7675 (4)         | 2101, 2184, 2265, 2281, 2321, 2341, 2354 |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 3721                                | $2^5 : S_3$            | 192   | 311850 | 5671, 5371 (2), 5662, 5280 (2), 5679, 6509 (3), 7676 (4)     | 2101, 2188, 2216, 2254, 2310, 2340, 2342 |
| 3722                                | $2^5 : S_3$            | 192   | 311850 | 5671, 5332, 5663, 5734, 5256, 5742, 5680, 6510 (3), 7474 (4) | 2101, 2191, 2222, 2264, 2317, 2335, 2337 |
| 3723                                | $2^3 \times 4 : S_3$   | 192   | 311850 | 5670, 5370 (2), 5662, 5264 (2), 5680, 6511 (3), 7677 (4)     | 2101, 2183, 2255, 2280, 2306, 2340, 2346 |
| 3724                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5676, 5736, 5659, 5267, 5739, 5689, 5319, 6512 (3), 7678 (4) | 2102, 2124, 2185                         |
| 3725                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5676, 5690, 5317, 5741, 5282, 5738, 5672, 6263 (3), 7257 (4) | 2102, 2232, 2234                         |
| 3726                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5321, 5740, 5659, 5691, 5737, 5281, 5672, 6513 (3), 7679 (4) | 2102, 2231, 2233                         |
| 3727                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5335, 5682, 5314, 5681, 5690, 5686, 5684, 6441 (3), 7680 (4) | 2106, 2173, 2234                         |
| 3728                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5334, 5681, 5598, 5683, 5329, 5691, 5685, 6442 (3), 7681 (4) | 2106, 2174, 2233                         |
| 3729                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5186, 5735, 5257, 5708, 5726, 5703, 5271, 6514 (3), 7682 (4) | 2107, 2118, 2281                         |
| 3730                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5741, 5707, 5681, 5315, 5704, 5290, 5730, 6515 (3), 7683 (4) | 2108, 2174, 2234                         |
| 3731                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5731, 5705, 5681, 5656, 5706, 5272, 5740, 6516 (3), 7684 (4) | 2108, 2173, 2233                         |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups   | Minimal Overgroups          |
| 3732                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5701, 5707, 5367,<br>5692, 5713, 5267,<br>5683, 6517 (3), 7685<br>(4) | 2109, 2124, 2174            |
| 3733                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5712, 5728, 5262,<br>5702, 5692, 5706,<br>5682, 6518 (3), 7686<br>(4) | 2109, 2125, 2173            |
| 3734                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5363, 5661, 5322,<br>5693, 5592, 5264,<br>5699, 6519 (3), 7687<br>(4) | 2110, 2113, 2280            |
| 3735                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5269, 5726, 5260,<br>5708, 5693, 5700,<br>5668, 6520 (3), 7688<br>(4) | 2110, 2116, 2281            |
| 3736                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5667, 5735, 5344,<br>5693, 5700, 5703,<br>5259, 6521 (3), 7689<br>(4) | 2111, 2113, 2281            |
| 3737                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5661, 5284, 5365,<br>5709, 5693, 5370,<br>5265, 6522 (3), 7690<br>(4) | 2111, 2116, 2280            |
| 3738                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5697, 5736, 5684,<br>5692, 5711, 5705,<br>5263, 6523 (3), 7691<br>(4) | 2112, 2124, 2173            |
| 3739                                | $2^3 \times 4 : S_3$   | 192   | 623700 | 5698, 5710, 5685,<br>5704, 5369, 5692,<br>5268, 6524 (3), 7692<br>(4) | 2112, 2125, 2174            |
| 3740                                | $2^5 : S_3$            | 192   | 623700 | 5594, 5700, 5661,<br>5283, 5696, 5371,<br>5306, 6525 (3), 7693<br>(4) | 2113, 2116, 2216            |
| 3741                                | $D_8 \times 2^2 : S_3$ | 192   | 311850 | 5593, 5742, 5667,<br>5696, 5717, 5699,<br>5305, 6526 (3), 7489<br>(4) | 2113 (2), 2222, 2318<br>(2) |
| 3742                                | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 5335, 5716, 5697,<br>5694, 5740, 5702,<br>5343, 6527 (3), 7694<br>(4) | 2114, 2173, 2231            |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups   | Minimal Overgroups          |
| 3743                                | $2^3 \times 4 : S_3$        | 192   | 623700 | 5334, 5741, 5698,<br>5701, 5364, 5694,<br>5597, 6283 (3), 7695<br>(4) | 2114, 2174, 2232            |
| 3744                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5331, 5739, 5697,<br>5701, 5714, 5695,<br>5596, 6528 (3), 7696<br>(4) | 2114, 2124, 2164            |
| 3745                                | $2^5 : S_3$                 | 192   | 623700 | 5336, 5715, 5698,<br>5695, 5372, 5702,<br>5595, 6529 (3), 7697<br>(4) | 2114, 2125, 2170            |
| 3746                                | $2^3 \times 4 : S_3$        | 192   | 623700 | 5713, 5691, 5730,<br>5710, 5694, 5287,<br>5366, 6530 (3), 7698<br>(4) | 2115, 2174, 2231            |
| 3747                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5712, 5695, 5285,<br>5732, 5722, 5710,<br>5333, 6531 (3), 7699<br>(4) | 2115, 2125, 2164            |
| 3748                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5712, 5694, 5690,<br>5720, 5731, 5711,<br>5270, 6284 (3), 7700<br>(4) | 2115, 2173, 2232            |
| 3749                                | $2^5 : S_3$                 | 192   | 623700 | 5713, 5689, 5723,<br>5695, 5711, 5286,<br>5368, 6532 (3), 7701<br>(4) | 2115, 2124, 2170            |
| 3750                                | $D_8 \times 2^2 : S_3$      | 192   | 311850 | 5332, 5718, 5253,<br>5733, 5696, 5709,<br>5668, 6533 (3), 7488<br>(4) | 2116 (2), 2222, 2317<br>(2) |
| 3751                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5729, 5714, 5656,<br>5276, 5737, 5329,<br>5722, 6534 (3), 7702<br>(4) | 2117, 2164, 2233            |
| 3752                                | $D_8 \times (A_4 \times 2)$ | 192   | 623700 | 5367, 5736, 5392,<br>5688, 5714, 5266,<br>5723, 6368, 7703 (4)        | 2117, 2124, 2172            |
| 3753                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5728, 5266, 5391,<br>5715, 5687, 5369,<br>5722, 6499 (3), 7704<br>(4) | 2117, 2125, 2165            |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 3754                                | $2^5 : S_3$                | 192   | 623700  | 5727, 5738, 5315, 5686, 5715, 5276, 5723, 6535 (3), 7705 (4)                 | 2117, 2170, 2234   |
| 3755                                | $2^5 : S_3$                | 192   | 623700  | 5727, 5737, 5392, 5687, 5716, 5275, 5366, 6298 (3), 7706 (4)                 | 2117, 2121, 2231   |
| 3756                                | $D_8 \times 2^2 : S_3$     | 192   | 623700  | 5728, 5736, 5656, 5686, 5716, 5261, 5720, 6536 (3), 7707 (4)                 | 2117, 2173, 2185   |
| 3757                                | $D_8 \times 2^2 : S_3$     | 192   | 623700  | 5729, 5688, 5391, 5738, 5275, 5364, 5720, 6277 (3), 7708 (4)                 | 2117, 2123, 2232   |
| 3758                                | $D_8 \times 2^2 : S_3$     | 192   | 311850  | 5718, 5717, 5186, 5330, 5734, 5252, 5725, 6537 (3), 7487 (4)                 | 2118 (2), 2222, 2315 (2)   |
| 3759                                | $2^{1+4} : S_3$            | 192   | 155925  | 5631, 6538 (3), 7709 (4), 7608 (8)   | 2133, 2138 (2), 2273, 2274, 2278 (2), 2282 (2), 2287 (2)                                 |
| 3760                                | $2^{1+4} : 6$              | 192   | 155925  | 5631, 6539, 7402 (8), 7710 (4), 7711 (8)                                     | 2133, 2136, 2235, 2268, 2271, 2272, 2275, 2276, 2277, 2279, 2282, 2288, 2289, 2290, 2291 |
| 3761                                | $D_8 \times 2 : 2 : S_3$   | 192   | 1247400 | 5744, 5650, 5649, 6540 (3), 7270 (4)   | 2144   |
| 3762                                | $2 \times 4 : 2 : 2 : S_3$ | 192   | 1247400 | 5743, 5626, 5622, 6541 (3), 7580 (4)   | 2152   |
| 3763                                | $D_8 \times 2 : 2 : S_3$   | 192   | 1247400 | 5651, 5745, 5746, 6542 (3), 7580 (4)   | 2153   |
| 3764                                | $D_8 \times 2 : 2 : S_3$   | 192   | 1247400 | 5744, 5745, 5746, 6543 (3), 7585 (4)   | 2153   |
| 3765                                | $2^3 \times 4 : S_3$       | 192   | 311850  | 5628, 5751 (2), 5748 (2), 5754, 5749, 6544 (3), 7712 (4)                     | 2186, 2302 (2), 2345 (2)   |
| 3766                                | $2^5 : S_3$                | 192   | 155925  | 5669, 5593 (4), 5762 (4), 5753 (2), 5756, 5628 (2), 5750, 6545 (3), 7713 (4) | 2186 (2), 2206, 2302 (2), 2304, 2305, 2316 (2), 2318 (2)                                 |

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| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 3767                                | $2^3 \times 4 : S_3$                     | 192   | 311850 | 5753, 5747 (2), 5752 (2), 5624, 5749, 6546 (3), 7714 (4)         | 2186, 2303 (2), 2344 (2)   |
| 3768                                | $2^5 : S_3$                              | 192   | 311850 | 5750, 5623 (2), 5755 (2), 5754, 5624, 6547 (3), 7715 (4)         | 2186, 2198, 2296, 2297, 2303, 2313, 2314   |
| 3769                                | $2^2 \times 8 : S_3$                     | 192   | 623700 | 5655, 5652, 5757, 6548 (3), 7393 (4)                             | 2187, 2358, 2363   |
| 3770                                | $D_8 \times 2^2 \cdot S_3$               | 192   | 623700 | 5757, 5654, 5653, 6549 (3), 7394 (4)                             | 2187, 2361, 2363   |
| 3771                                | $A_4 \times 2 \cdot 2 \times 2 : 2$      | 192   | 311850 | 5749 (2), 5750, 6550, 7716 (4)                                   | 2194, 2292, 2293, 2295, 2296, 2302, 2303   |
| 3772                                | $2^5 \cdot S_3$                          | 192   | 311850 | 5754 (2), 5750, 6551 (3), 7717 (4)                               | 2198, 2294, 2295, 2301, 2302, 2312, 2313   |
| 3773                                | $2^5 : S_3$                              | 192   | 155925 | 5750, 5625 (4), 5662, 5758, 6552 (3), 7718 (4)                   | 2202, 2295 (2), 2297 (2), 2305, 2306, 2309 (2), 2310 (2)                                 |
| 3774                                | $2^5 \cdot S_3$                          | 192   | 155925 | 5750, 5673 (2), 6553 (3), 7719 (4)                               | 2202, 2294 (2), 2296 (2), 2304, 2307, 2308 (2), 2311 (2)                                 |
| 3775                                | $2^5 : S_3$                              | 192   | 311850 | 5184, 5759 (2), 5252 (2), 5760, 5750, 6554 (3), 7720 (4)         | 2204, 2298, 2299, 2309, 2311, 2315, 2316   |
| 3776                                | $2^5 : S_3$                              | 192   | 311850 | 5671, 5759 (2), 5696 (2), 5658, 5750, 6555 (3), 7721 (4)         | 2204, 2298, 2300, 2308, 2310, 2317, 2318   |
| 3777                                | $D_8 \times (A_4 \times 2)$              | 192   | 155925 | 5750, 5627 (4), 5632, 5761, 6556, 7722 (4)                       | 2205, 2237, 2283, 2284, 2285, 2286, 2293, 2299, 2300, 2305, 2307, 2312, 2314, 2319, 2320 |
| 3778                                | $A_4 \times 2 \times 2 \times 2 \cdot 2$ | 192   | 155925 | 5750, 5670 (2), 6557, 7723 (4)                                   | 2205, 2292 (2), 2298 (2), 2304, 2306, 2313 (2), 2321 (2)                                 |
| 3779                                | $2^5 : S_3$                              | 192   | 155925 | 5680 (2), 5753 (4), 5718 (4), 5762 (4), 5750, 6558 (3), 7724 (4) | 2206, 2301 (2), 2303 (2), 2306, 2307, 2315 (2), 2317 (2)                                 |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 3780                                | $D_8 \times (A_4 \times 2)$ | 192   | 311850 | 5750, 5763 (2), 5679, 5717 (2), 5674, 6559, 7725 (4)         | 2208, 2310, 2311, 2315, 2318, 2319, 2321                 |
| 3781                                | $D_8 \times (A_4 \times 2)$ | 192   | 311850 | 5750, 5253 (2), 5663, 5763 (2), 5764, 6560, 7726 (4)         | 2208, 2308, 2309, 2316, 2317, 2320, 2321                 |
| 3782                                | $2^3 \times 4 \cdot S_3$    | 192   | 311850 | 5671, 5670, 5760, 6561 (3), 7461 (4)                         | 2223, 2243, 2298, 2335, 2338, 2340, 2341                 |
| 3783                                | $2^3 \times 4 \cdot S_3$    | 192   | 155925 | 5671 (2), 5761, 6562 (3), 7417 (4)                           | 2223 (2), 2300, 2322 (2), 2336, 2337 (2), 2342, 2357 (2) |
| 3784                                | $2^3 \times 4 : S_3$        | 192   | 311850 | 5761, 5184, 5760, 6563 (3), 7460 (4)                         | 2223, 2242, 2299, 2333, 2334, 2339, 2343                 |
| 3785                                | $2^3 \times 4 \cdot S_3$    | 192   | 311850 | 5674, 5671, 5758, 6564 (3), 7418 (4)                         | 2227, 2253, 2310, 2330, 2331, 2335, 2336                 |
| 3786                                | $2^3 \times 4 \cdot S_3$    | 192   | 311850 | 5673, 5671, 5764, 6565 (3), 7475 (4)                         | 2227, 2254, 2308, 2326, 2328, 2337, 2338                 |
| 3787                                | $2^3 \times 4 : S_3$        | 192   | 311850 | 5764, 5184, 5758, 6566 (3), 7467 (4)                         | 2227, 2256, 2309, 2327, 2329, 2331, 2333                 |
| 3788                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5733, 5763, 5742, 5762, 5678, 5765, 5696, 6567 (3), 7727 (4) | 2230, 2317, 2318   |
| 3789                                | $D_8 \times 2^2 : S_3$      | 192   | 623700 | 5186, 5766, 5254, 5767, 5762, 5763, 5252, 6568 (3), 7728 (4) | 2230, 2315, 2316   |
| 3790                                | $2^3 \times 4 : S_3$        | 192   | 311850 | 5733 (2), 5767 (2), 5680, 5764, 5671, 6569 (3), 7419 (4)     | 2230, 2262, 2317, 2326, 2331, 2337, 2340                 |
| 3791                                | $2^5 : S_3$                 | 192   | 311850 | 5671, 5766 (2), 5742 (2), 5756, 5679, 6570 (3), 7729 (4)     | 2230, 2264, 2318, 2328, 2330, 2341, 2342                 |
| 3792                                | $2^3 \times 4 : S_3$        | 192   | 311850 | 5184, 5765 (2), 5254 (2), 5764, 5756, 6571 (3), 7730 (4)     | 2230, 2266, 2316, 2327, 2328, 2332, 2339                 |

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| Nr.                                 | Structure                | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 3793                                | $D_8 : (A_4 \times 2)$   | 192   | 311850 | 5627 (2), 5633, 5761, 5749 (2), 5599, 6572, 7731 (4)     | 2237, 2322, 2323, 2324, 2325, 2344, 2345                 |
| 3794                                | $2^3 \times 4 : S_3$     | 192   | 155925 | 5652 (4), 5761, 5658 (2), 6573 (3), 7732 (4)             | 2242 (2), 2300, 2323 (2), 2347 (2), 2348, 2353, 2358 (2) |
| 3795                                | $2^3 \times 4 : S_3$     | 192   | 311850 | 5658, 5670, 5760, 6574 (3), 7733 (4)                     | 2242, 2243, 2298, 2346, 2349, 2351, 2354                 |
| 3796                                | $2^5 \cdot S_3$          | 192   | 155925 | 5760 (2), 5632, 6575 (3), 7734 (4)                       | 2243 (2), 2283 (2), 2299, 2350, 2352 (2), 2355, 2356 (2) |
| 3797                                | $2^3 \times 4 : S_3$     | 192   | 311850 | 5658, 5673, 5764, 6576 (3), 7735 (4)                     | 2249, 2256, 2308, 2326, 2332, 2347, 2351                 |
| 3798                                | $2^3 \times 4 \cdot S_3$ | 192   | 311850 | 5674, 5673, 5760, 6577 (3), 7463 (4)                     | 2249, 2253, 2311, 2334, 2338, 2349, 2352                 |
| 3799                                | $2^3 \times 4 : S_3$     | 192   | 311850 | 5760, 5662, 5764, 6578 (3), 7736 (4)                     | 2249, 2254, 2309, 2339, 2340, 2346, 2350                 |
| 3800                                | $2^5 : S_3$              | 192   | 311850 | 5768 (4), 5758, 5679, 5658, 6579 (3), 7737 (4)           | 2251, 2256, 2310, 2329, 2330, 2353, 2354                 |
| 3801                                | $2^5 \cdot S_3$          | 192   | 311850 | 5673, 5679, 5760, 6580 (3), 7738 (4)                     | 2251, 2254, 2311, 2341, 2343, 2351, 2352                 |
| 3802                                | $2^5 \cdot S_3$          | 192   | 311850 | 5760, 5663, 5758, 6581 (3), 7462 (4)                     | 2251, 2253, 2309, 2333, 2335, 2354, 2355                 |
| 3803                                | $2^3 \times 4 : S_3$     | 192   | 155925 | 5761, 5748 (2), 5669, 5769 (2), 5758, 6582 (3), 7470 (4) | 2252 (2), 2305, 2333 (2), 2336, 2345 (2), 2353, 2359 (2) |
| 3804                                | $2^3 \times 4 : S_3$     | 192   | 311850 | 5761, 5673, 5680, 6583 (3), 7472 (4)                     | 2252, 2255, 2307, 2334, 2337, 2343, 2347                 |
| 3805                                | $2^3 \times 4 : S_3$     | 192   | 311850 | 5680, 5670, 5758, 6584 (3), 7466 (4)                     | 2252, 2257, 2306, 2329, 2331, 2335, 2354                 |
| 3806                                | $2^3 \times 4 : S_3$     | 192   | 155925 | 5761, 5752 (4), 5662, 5756, 6585 (3), 7739 (4)           | 2255 (2), 2305, 2339 (2), 2342, 2344 (2), 2348, 2360 (2) |

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| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 3807                                | $2^3 \times 4 : S_3$                    | 192   | 311850 | 5673, 5670, 5756, 6586 (3), 7740 (4)                         | 2255, 2257, 2304, 2328, 2332, 2341, 2349                 |
| 3808                                | $2^5 : S_3$                             | 192   | 155925 | 5755 (4), 5758, 5632, 5756, 6587 (3), 7741 (4)               | 2257 (2), 2305, 2314 (2), 2327, 2330 (2), 2355, 2356 (2) |
| 3809                                | $D_8 \times 2^2 : S_3$                  | 192   | 623700 | 5734, 5767, 5718, 5763, 5678, 5759, 5709, 6588 (3), 7742 (4) | 2260, 2315, 2317   |
| 3810                                | $D_8 \times 2^2 : S_3$                  | 192   | 623700 | 5667, 5759, 5593, 5766, 5763, 5765, 5255, 6589 (3), 7743 (4) | 2260, 2316, 2318   |
| 3811                                | $2^3 \times 4 : S_3$                    | 192   | 311850 | 5680, 5765 (2), 5709 (2), 5764, 5658, 6590 (3), 7744 (4)     | 2260, 2266, 2317, 2326, 2329, 2346, 2347                 |
| 3812                                | $2^3 \times 4 : S_3$                    | 192   | 311850 | 5669, 5767 (2), 5255 (2), 5760, 5764, 6591 (3), 7464 (4)     | 2260, 2262, 2316, 2333, 2338, 2350, 2351                 |
| 3813                                | $2^5 : S_3$                             | 192   | 311850 | 5680, 5766 (2), 5734 (2), 5760, 5679, 6592 (3), 7745 (4)     | 2260, 2264, 2315, 2340, 2343, 2352, 2354                 |
| 3814                                | $D_8 \times 2^2 : S_3$                  | 192   | 623700 | 5725, 5766, 5717, 5762, 5678, 5759, 5699, 6593 (3), 7746 (4) | 2261, 2315, 2318   |
| 3815                                | $D_8 \times 2^2 : S_3$                  | 192   | 623700 | 5668, 5759, 5253, 5767, 5762, 5765, 5256, 6594 (3), 7747 (4) | 2261, 2316, 2317   |
| 3816                                | $2^3 \times 4 : S_3$                    | 192   | 311850 | 5674, 5765 (2), 5699 (2), 5756, 5658, 6595 (3), 7748 (4)     | 2261, 2266, 2318, 2330, 2332, 2348, 2349                 |
| 3817                                | $2^5 : S_3$                             | 192   | 311850 | 5663, 5766 (2), 5256 (2), 5760, 5756, 6596 (3), 7749 (4)     | 2261, 2264, 2316, 2339, 2341, 2349, 2355                 |
| 3818                                | $2^3 \times 4 : S_3$                    | 192   | 311850 | 5674, 5767 (2), 5725 (2), 5760, 5680, 6597 (3), 7465 (4)     | 2261, 2262, 2315, 2334, 2335, 2346, 2352                 |
| 3819                                | $A_4 \times 2 \cdot 2 \times 2 \cdot 2$ | 192   | 155925 | 5674 (2), 5761, 6598, 7471 (4)                               | 2263 (2), 2319, 2324 (2), 2334 (2), 2336, 2348, 2362 (2) |

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| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 3820                                | $A_4 \times 2 \cdot 2 \times 2 \cdot 2$  | 192   | 311850 | 5674, 5670, 5764,<br>6599, 7469 (4)                                   | 2263, 2267, 2321,<br>2331, 2332, 2338,<br>2346                 |
| 3821                                | $A_4 \times 2 \cdot 2 \times 2 : 2$      | 192   | 311850 | 5764, 5663, 5761,<br>6600, 7473 (4)                                   | 2263, 2265, 2320,<br>2333, 2337, 2339,<br>2347                 |
| 3822                                | $A_4 \times 2 \times 2 \times 2 \cdot 2$ | 192   | 311850 | 5679, 5670, 5764,<br>6601, 7750 (4)                                   | 2265, 2267, 2321,<br>2328, 2329, 2340,<br>2351                 |
| 3823                                | $D_8 \times (A_4 \times 2)$              | 192   | 155925 | 5679 (2), 5654 (4),<br>5761, 6602, 7751 (4)                           | 2265 (2), 2319, 2325<br>(2), 2342, 2343 (2),<br>2353, 2361 (2) |
| 3824                                | $A_4 \times 2 \cdot 2 \times 2 : 2$      | 192   | 155925 | 5764 (2), 5632, 6603,<br>7752 (4)                                     | 2267 (2), 2285 (2),<br>2320, 2326 (2), 2327,<br>2350, 2356 (2) |
| 3825                                | $2^3 \times 4 \cdot S_3$                 | 192   | 311850 | 5653 (2), 5761, 6604<br>(3), 7753 (4)                                 | 2284, 2322, 2323,<br>2359, 2360, 2361,<br>2362                 |
| 3826                                | $A_4 \times 2 \cdot 2 \cdot 2 : 2$       | 192   | 311850 | 5655 (2), 5761, 6605,<br>7754 (4)                                     | 2286, 2324, 2325,<br>2357, 2358, 2359,<br>2360                 |
| 3827                                | $D_8 \times 2^2 : S_3$                   | 192   | 623700 | 5627, 5769, 5662,<br>5625, 5753, 5752,<br>5755, 6606 (3), 7755<br>(4) | 2297, 2305, 2344   |
| 3828                                | $2^3 \times 4 : S_3$                     | 192   | 623700 | 5769, 5623, 5625,<br>5751, 5749, 5757,<br>5752, 6607 (3), 7756<br>(4) | 2297, 2344, 2345   |
| 3829                                | $D_8 \times 2^2 : S_3$                   | 192   | 623700 | 5627, 5754, 5758,<br>5757, 5751, 5623,<br>5755, 6608 (3), 7757<br>(4) | 2297, 2314, 2345   |
| 3830                                | $D_8 \times 2^2 : S_3$                   | 192   | 311850 | 5625 (2), 5754 (2),<br>5599, 5757, 5769,<br>6609 (3), 7758 (4)        | 2297 (2), 2345, 2363<br>(2)                                    |
| 3831                                | $2^3 \times 4 : S_3$                     | 192   | 623700 | 5754, 5753, 5749,<br>6610 (3), 7759 (4)                               | 2301, 2302, 2303   |
| 3832                                | $2^3 \times 4 : S_3$                     | 192   | 311850 | 5755 (2), 5757, 5761,<br>5751 (2), 5747, 6611<br>(3), 7760 (4)        | 2314, 2344, 2345,<br>2357, 2358, 2361,<br>2362                 |

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| Nr.                                 | Structure                 | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 3833                                | $Q_8 \times 2^2 : S_3$    | 192   | 311850 | 5752 (2), 5747, 5769, 5751 (2), 5633, 6612 (3), 7761 (4) | 2344 (2), 2345, 2364 (2)   |
| 3834                                | $D_8 \times 2^2 : S_3$    | 192   | 623700 | 5768 (2), 5769, 5719 (2), 5654, 5652, 6613 (3), 7762 (4) | 2353, 2363, 2364   |
| 3835                                | $2^2 \times 8 : S_3$      | 192   | 623700 | 5655, 5769, 5653, 6614 (3), 7763 (4)                     | 2359, 2363, 2364   |
| 3836                                | $15 : S_3 \cdot 2$        | 180   | 332640 | 5771, 7930, 9536 (9)                                     | 694, 2370, 2371, 2372  |
| 3837                                | $A_5 \times 3$            | 180   | 110880 | 7127, 7962 (5), 9075 (6), 9573 (10)                      | 957 (6), 1112, 1457 (3), 1472 (2), 1781, 2375 (3), 2377 (3), 2378 (3), 2379, 2402, 2405, 2407 (3)                              |
| 3838                                | $15 : 2 \cdot S_3$        | 180   | 665280 | 5770, 7128, 7129 (3), 7963 (5)                           | 1097, 1099, 1444, 1448, 2382, 2383, 2384   |
| 3839                                | $A_5 \times 3$            | 180   | 110880 | 7130, 7964 (5), 9076 (6), 9574 (10)                      | 1098, 1451 (3), 1782, 2374 (3), 2381, 2385 (3), 2386, 2388, 2390 (3), 2393 (3)   |
| 3840                                | $A_5 \times 3$            | 180   | 27720  | 7127, 7965 (5), 9076 (6), 9575 (10)                      | 1098 (4), 1452 (4), 1781 (4), 2367, 2369 (6), 2373 (6), 2387, 2389, 2391 (6), 2392 (6), 2412 (3), 2413 (3), 2414 (3), 2415 (3) |
| 3841                                | $15 : 2 : S_3$            | 180   | 332640 | 5772, 5770, 5771, 7115 (6), 7116 (6), 7966 (5)           | 1100, 1101, 1412 (2), 2370, 2382, 2394, 2395, 2396, 2397, 2398   |
| 3842                                | $15 : 2 \cdot S_3$        | 180   | 332640 | 5770, 7137 (6), 7133 (6), 7967 (5)                       | 1102, 1103, 1465 (2), 2383 (2), 2395, 2399 (2)   |
| 3843                                | $15 : 2 \times S_3$       | 180   | 665280 | 5774, 5770, 5773, 7131, 7134 (3), 7968 (5)               | 1104, 1105, 1466, 1468, 2383, 2384, 2394   |
| 3844                                | $3 \times 15 : 2 \cdot 2$ | 180   | 332640 | 5770, 7126 (2), 7132 (2), 7969 (5)                       | 1106, 1107, 1467 (2), 2384 (2), 2395, 2400 (2)   |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 3845                                | $15 : 2 \cdot S_3$            | 180   | 665280  | 5770, 7135, 7124 (3),<br>7970 (5)                          | 1108, 1109, 2396,<br>2399, 2400   |
| 3846                                | $15 : 2 \times S_3$           | 180   | 665280  | 5770, 5775, 5776,<br>7136, 7125 (3), 7971<br>(5)           | 1110, 1111, 2398,<br>2399, 2400   |
| 3847                                | $A_5 \times 3$                | 180   | 110880  | 7130, 7972 (5), 9075<br>(6), 9576 (10)                     | 1112, 1456 (3), 1782,<br>2376 (3), 2401, 2403,<br>2404, 2406 (3), 2408<br>(3), 2409 (3) |
| 3848                                | $D_{30} : S_3$                | 180   | 332640  | 5771, 5773 (2), 7117<br>(6), 7973 (5)                      | 1413 (2), 2371, 2394,<br>2422   |
| 3849                                | $S_3 \times 5 \times S_3$     | 180   | 332640  | 5771, 5774 (2), 7120<br>(6), 7974                          | 1414 (2), 2372, 2394,<br>2421   |
| 3850                                | $S_3 \times 5 : S_3$          | 180   | 665280  | 5774, 5772, 5773,<br>7144 (3), 7145 (3),<br>7975 (5)       | 1494, 1495, 2394  |
| 3851                                | $2 \times 10 : 3 \times 3$    | 180   | 166320  | 7143, 7148, 7149 (2),<br>7816 (4), 7965                    | 2368, 2410, 2416,<br>2417, 2418, 2419,<br>2420  |
| 3852                                | $15 : S_3 \cdot 2$            | 180   | 332640  | 5771, 7896 (5), 9537<br>(9)                                | 2370, 2421, 2422  |
| 3853                                | $D_{30} : S_3$                | 180   | 332640  | 5771, 5776 (2), 7118<br>(6), 7901 (5)                      | 2371, 2398, 2421  |
| 3854                                | $S_3 \times 5 \times S_3$     | 180   | 332640  | 5775 (2), 5771, 7119<br>(6), 7976                          | 2372, 2398, 2422  |
| 3855                                | $15 : S_3 \cdot 2$            | 180   | 665280  | 5772, 7977 (5), 9538<br>(9)                                | 2397  |
| 3856                                | $S_3 \times 5 : S_3$          | 180   | 665280  | 5772, 5776, 5775,<br>7146 (3), 7147 (3),<br>7978 (5)       | 2398  |
| 3857                                | $7 : 3 : 2 \times 2 \times 2$ | 168   | 1425600 | 5779 (2), 5788, 5777,<br>5778 (2), 5780, 7173,<br>9239 (7) | 129, 895, 1815 (2),<br>2425   |
| 3858                                | $7 : 3 \times 2 \cdot 2 : 2$  | 168   | 1425600 | 5777, 5787, 5781,<br>7174, 9240 (7)                        | 132, 896, 1814, 2425  |
| 3859                                | $7 : 3 : 2 \times 2 \times 2$ | 168   | 475200  | 5780 (3), 5782 (3),<br>5787, 7175, 9241 (7)                | 134, 897, 1816, 2425<br>(3)   |
| 3860                                | $7 : 3 : 2 \times 2 : 2$      | 168   | 1425600 | 5777, 5789, 5782,<br>7176, 9242 (7)                        | 135, 898, 2425  |
| 3861                                | $7 : 3 \times 2 \cdot 2 : 2$  | 168   | 1425600 | 5780, 5789, 5781,<br>7172, 9243 (7)                        | 136, 899, 1263 (2),<br>2425   |
| 3862                                | $7 : 3 : 2 \times 2 : 2$      | 168   | 1425600 | 5781, 5788, 5782,<br>7177, 9244 (7)                        | 137, 900, 2425  |

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| Nr.                                 | Structure             | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 3863                                | $L_2(7)$              | 168   | 23760   | 9245 (7), 9136 (7), 9522 (8)                                 | 549, 901 (5), 1264 (6), 1817 (10), 2427 (10), 2428 (15)         |
| 3864                                | $D_{28} \times S_3$   | 168   | 950400  | 5795, 5783, 5786, 5785, 5792, 5784, 5793, 7173 (3), 9154 (7) | 740, 1815   |
| 3865                                | $2^3 : 7 : 3$         | 168   | 118800  | 7170, 9246 (7), 9522 (8)                                     | 781 (4), 901, 1818 (4), 2429 (6), 2433 (3)                      |
| 3866                                | $2^3 : 7 \times 3$    | 168   | 475200  | 7170, 9247, 9523 (8)   | 782, 1512, 1818, 2430   |
| 3867                                | $2^3 : 7 : 3$         | 168   | 950400  | 7170, 9248 (7), 9524 (8)                                     | 783, 1511, 1818   |
| 3868                                | $L_2(7)$              | 168   | 59400   | 9249 (14), 9522 (8)  | 901 (2), 1819 (4), 2423 (6), 2424, 2426 (3), 2431 (6), 2432 (3) |
| 3869                                | $D_8 \times (7 : 3)$  | 168   | 1425600 | 5787, 5788, 5789, 7171, 9250 (7)                             | 902 (2), 903, 904 (2), 1820, 2425                               |
| 3870                                | $2 \times 14 : S_3$   | 168   | 475200  | 5791, 7171 (3), 7825 (4), 9251                               | 905 (2), 1267, 1820, 2434                                       |
| 3871                                | $2 \times 14 : S_3$   | 168   | 475200  | 5791, 7174 (3), 7826 (4), 9252 (7)                           | 1265, 1814, 2434  |
| 3872                                | $2 \times 14 : 3 : 2$ | 168   | 475200  | 5791, 7175, 7827 (4), 9253 (7)                               | 1266, 1816, 2434  |
| 3873                                | $2 \times 14 : 3 : 2$ | 168   | 950400  | 5790, 7175, 7828 (4), 9254 (7)                               | 1816  |
| 3874                                | $3^3 : S_3$           | 162   | 1478400 | 5796, 7179, 7186 (3)   | 203, 1517, 1824, 2435   |
| 3875                                | $3^{1+2} : S_3$       | 162   | 1478400 | 5796, 7187 (3), 7180 (6), 7181 (3)                           | 204, 1518, 1825, 2435   |
| 3876                                | $3^{1+2} : S_3$       | 162   | 492800  | 5796, 7196, 7182 (3)   | 205 (3), 1519, 1827, 2435 (3)                                   |
| 3877                                | $3^{1+2} : 6$         | 162   | 1478400 | 5802, 7185 (2), 7184, 7183, 7215 (3)                         | 349, 1822, 2437   |
| 3878                                | $3^{1+2} : 6$         | 162   | 739200  | 5801, 7190, 7216, 7204 (2), 7215 (3)                         | 1515, 1822, 2439, 2440, 2441                                    |
| 3879                                | $3^{1+2} : S_3$       | 162   | 246400  | 5797, 7200 (3), 7183 (6), 7190 (3)                           | 1516, 1822, 2442 (3), 2443, 2444 (3)                            |
| 3880                                | $3^{1+2} : S_3$       | 162   | 1478400 | 5799, 7217, 7218 (3)   | 1532, 1823, 2446  |
| 3881                                | $3^{1+2} : S_3$       | 162   | 739200  | 5797, 7205, 7218 (3)   | 1534, 1823, 2442, 2445, 2447                                    |
| 3882                                | $3^3 : S_3$           | 162   | 739200  | 5797, 7219, 7186 (3)   | 1535, 1824, 2442, 2448, 2449                                    |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 3883                                | $3^{1+2} : S_3$      | 162   | 739200  | 5797, 7187 (3), 7220 (3), 7221 (6)                             | 1538, 1825, 2444, 2447, 2449  |
| 3884                                | $3^{1+2} : 6$        | 162   | 739200  | 5797, 7207, 7222 (2), 7223                                     | 1540, 1826, 2444, 2445, 2448  |
| 3885                                | $3^{1+2} : S_3$      | 162   | 246400  | 5797, 7196, 7224 (3)   | 1542, 1827, 2443, 2445 (3), 2449 (3)                                    |
| 3886                                | $3^3 : S_3$          | 162   | 246400  | 5797, 7225, 7203 (3)   | 1543, 1828, 2443, 2447 (3), 2448 (3)                                    |
| 3887                                | $3^{1+2} : S_3$      | 162   | 2956800 | 5798, 7226 (3), 7181 (3), 7180 (3), 7221 (3)                   | 1545, 1825  |
| 3888                                | $3^{1+2} : S_3$      | 162   | 1478400 | 5799, 7226 (3), 7180 (6), 7220 (3)                             | 1546, 1825, 2446  |
| 3889                                | $3^3 : S_3$          | 162   | 492800  | 5799, 7225, 7227 (3)   | 1548, 1828, 2446 (3)  |
| 3890                                | $3^3 : S_3$          | 162   | 369600  | 5800, 7200, 7193, 7228 (2), 7215 (6), 7186 (3), 7208 (3)       | 1822 (2), 1824 (2), 2450, 2451, 2452, 2458, 2459, 2466, 2475            |
| 3891                                | $3^3 : S_3$          | 162   | 15400   | 5800, 7209 (36), 7205 (12), 7229 (48), 7217 (24)               | 1823 (16), 2450 (12), 2453 (4), 2455 (12), 2468 (3), 2479 (6), 2480 (6) |
| 3892                                | $3^{1+2} : S_3$      | 162   | 739200  | 5801, 7229, 7192 (6), 7218 (3), 7230 (3)                       | 1823, 2439, 2454, 2456  |
| 3893                                | $3^{1+2} : S_3$      | 162   | 246400  | 5801, 7219 (3), 7228 (3), 7231 (18), 7230 (9), 7179 (6)        | 1824, 2439 (3), 2457, 2460 (3)  |
| 3894                                | $3^{1+2} : S_3$      | 162   | 1478400 | 5802, 7232, 7233 (3), 7221 (3), 7180 (6)                       | 1825, 2437  |
| 3895                                | $3^3 : S_3$          | 162   | 184800  | 5800, 7195, 7233 (12), 7187 (6), 7226 (12), 7214 (6), 7210 (3) | 1825 (4), 2451 (2), 2455, 2459 (2), 2470, 2478, 2481 (2), 2484 (2)      |
| 3896                                | $3^{1+2} : S_3$      | 162   | 739200  | 5801, 7234, 7233 (3), 7220 (3), 7181 (6)                       | 1825, 2440, 2456, 2460  |
| 3897                                | $3^{1+2} \times S_3$ | 162   | 492800  | 5802, 7235 (3), 7236, 7222 (3)                                 | 1826, 2437 (3)  |
| 3898                                | $3^3 \times S_3$     | 162   | 61600   | 5800, 7236 (4), 7197 (3), 7198 (6), 7207 (3)                   | 1826 (4), 2451 (6), 2453, 2458 (6), 2472 (3), 2474 (3)                  |
| 3899                                | $3^{1+2} \times S_3$ | 162   | 246400  | 5801, 7237 (3), 7236, 7223 (3)                                 | 1826, 2440 (3), 2454 (3), 2457  |

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| Nr.                                 | Structure                                   | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 3900                                | $3^3 : S_3$                                 | 162   | 61600   | 5800, 7196, 7206 (9),<br>7238 (12), 7211 (18)                               | 1827 (4), 2452 (6),<br>2453, 2459 (6), 2469<br>(3), 2472 (3)  |
| 3901                                | $3^3 : S_3$                                 | 162   | 739200  | 5801, 7238, 7224,<br>7182 (2), 7239 (3)                                     | 1827, 2441, 2454,<br>2460   |
| 3902                                | $3^3 : S_3$                                 | 162   | 246400  | 5801, 7225, 7239 (9),<br>7240 (3)   | 1828, 2441 (3), 2456<br>(3), 2457   |
| 3903                                | $3^3 \times S_3$                            | 162   | 184800  | 5800, 7227 (4), 7203<br>(2), 7240 (4), 7202<br>(2), 7199, 7212 (3)          | 1828 (4), 2452 (2),<br>2455, 2458 (2), 2473,<br>2478, 2483 (2), 2484<br>(2)   |
| 3904                                | $3^3 : S_3$                                 | 162   | 92400   | 5800, 7194 (2), 7191<br>(2), 7188 (6), 7189<br>(6)                          | 2438, 2462 (2), 2466<br>(2), 2467, 2468,<br>2469, 2470, 2471 (2),<br>2472 (2), 2473, 2474,<br>2475 (2), 2476 (2),<br>2477 (2), 2478 (2) |
| 3905                                | $3^3 : S_3$                                 | 162   | 184800  | 5800, 7241 (2), 7201<br>(2), 7242 (6), 7213<br>(6)                          | 2464 (2), 2476 (2),<br>2480, 2481, 2482 (2),<br>2483, 2484 (2)  |
| 3906                                | $D_8 \times (D_{10} \cdot 2)$               | 160   | 1496880 | 5810, 5807, 5808,<br>5805, 5806, 5825,<br>5804, 8145 (5)                    | 818 (2), 1141, 1142,<br>1915, 2486  |
| 3907                                | $D_{20} \times 2 \times 2 \cdot 2$          | 160   | 498960  | 5813 (3), 5814 (3),<br>5810 (3), 5811 (3),<br>5832, 5809, 5827,<br>8232 (5) | 1132, 1144, 1845 (3),<br>1889, 2486 (3)   |
| 3908                                | $D_8 \times (D_{10} \cdot 2)$               | 160   | 1496880 | 5826, 5824, 5818,<br>5809, 5812, 5804,<br>5815, 8233 (5)                    | 1133, 1145, 1839,<br>1840, 1859, 2486   |
| 3909                                | $D_8 \times (D_{10} \cdot 2)$               | 160   | 1496880 | 5812, 5816, 5807,<br>5813, 5829, 5819,<br>5833, 8142 (5)                    | 1134, 1146, 1860,<br>1874, 2486   |
| 3910                                | $D_{10} \cdot 2 \times 2 \times 2 \times 2$ | 160   | 498960  | 5814 (3), 5834 (3),<br>5825 (3), 5817 (3),<br>5812, 5820, 5830,<br>8234 (5) | 1135, 1147, 1861,<br>1875, 2486 (3)   |
| 3911                                | $D_8 \times (D_{10} \cdot 2)$               | 160   | 1496880 | 5817, 5816, 5831,<br>5809, 5808, 5828,<br>5821, 8235 (5)                    | 1136, 1148, 1862,<br>1890, 2486   |
| 3912                                | $D_{10} \cdot 2 \times 2 \times 2 \cdot 2$  | 160   | 1496880 | 5836, 5835, 5815,<br>5814, 5806, 5816,<br>5822, 8236 (5)                    | 1137, 1149, 1274 (2),<br>1863, 2486   |

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| Nr.                                 | Structure                              | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                |
| 3913                                | $D_8 \times (D_{10} \cdot 2)$          | 160   | 1496880 | 5817, 5815, 5823, 5813, 5838, 5805, 5837, 8237 (5)   | 1138, 1150, 1864, 2486                            |
| 3914                                | $D_8 \times (D_{10} \cdot 2)$          | 160   | 498960  | 5820, 5822, 5819, 5810, 5821, 5823, 5818, 8238 (5)   | 1151, 1152 (3), 1857, 1893, 2486 (3)              |
| 3915                                | $D_{10} \cdot 2 \times 2 : 2 \times 2$ | 160   | 1496880 | 5829, 5830, 5808, 5818, 5838, 5811, 5836, 8239 (5)   | 1153, 1154, 1858, 1892, 2486                      |
| 3916                                | $D_8 \times (D_{20})$                  | 160   | 1496880 | 5842, 5845, 5830, 5819, 5828, 5832, 5839, 5840, 5835, 5805, 5841, 5844, 5843, 5824, 5846, 8240 (5) | 1155, 1156, 1841, 1842, 1894, 2486                |
| 3917                                | $D_8 \times (D_{10} \cdot 2)$          | 160   | 1496880 | 5827, 5806, 5837, 5820, 5824, 5831, 5829, 8241 (5)   | 1157, 1158, 1843, 1844, 1856 (2), 1895, 2486      |
| 3918                                | $D_8 \times (D_{10} \cdot 2)$          | 160   | 1496880 | 5822, 5825, 5828, 5827, 5838, 5826, 5833, 8242 (5)   | 1159, 1160, 1888, 1917, 2486                      |
| 3919                                | $D_{20} \times 2 \times 2 \cdot 2$     | 160   | 1496880 | 5807, 5823, 5826, 5832, 5836, 5831, 5834, 8243 (5)   | 1161, 1162, 1891, 1916, 2486                      |
| 3920                                | $20 : 2 \times 2 \cdot 2$              | 160   | 1496880 | 5834, 5835, 5837, 5811, 5804, 5833, 5821, 8244 (5)   | 1163, 1164, 1914, 2486                            |
| 3921                                | $2^4 : 5 : 2$                          | 160   | 374220  | 5847, 8245 (5), 10398 (16)   | 1165, 2485, 2487, 2488, 2489, 2490, 2491, 2492    |
| 3922                                | $2^4 : 5 : 2$                          | 160   | 374220  | 5847, 8108 (5), 10399 (16)   | 2487, 2493, 2496                                  |
| 3923                                | $2^4 : 5 \times 2$                     | 160   | 374220  | 5847, 8246, 10400 (16)   | 2487, 2494, 2495                                  |
| 3924                                | $2^4 : 5 \times 2$                     | 160   | 374220  | 5847, 8247, 10401 (16)   | 2489, 2493, 2495                                  |
| 3925                                | $2^4 : 5 : 2$                          | 160   | 374220  | 5847, 8248 (5), 10402 (16)   | 2489, 2494, 2496                                  |
| 3926                                | $2^4 : 5 : 2$                          | 160   | 374220  | 5847, 8114 (5), 10403 (16)   | 2492, 2493, 2494                                  |
| 3927                                | $2^4 : 5 \times 2$                     | 160   | 374220  | 5847, 8249, 10404 (16)   | 2492, 2495, 2496                                  |
| 3928                                | $Q_{12} : S_3 : 2$                     | 144   | 415800  | 6159, 6027, 5919, 9662 (9)   | 164 (2), 2499, 2500, 2501, 2587, 2779, 2802, 2803 |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 3929                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 415800  | 5849 (4), 5884, 5919, 5885, 9663 (9)                     | 165 (2), 559 (2), 941 (2), 2499, 2503, 2504, 2521, 2531, 2581, 2633           |
| 3930                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 1663200 | 5935, 5850 (2), 5883 (2), 5882, 5875, 9664 (9)           | 166, 558, 787 (2), 952, 2502  |
| 3931                                | $Q_{12} : S_3 : 2$             | 144   | 1663200 | 5888, 5889, 5935, 9665 (9)                               | 167, 561, 954, 2502   |
| 3932                                | $Q_{12} : S_3 : 2$             | 144   | 415800  | 5886, 5887, 5919, 9666 (9)                               | 168 (2), 560 (2), 947 (2), 2501, 2503, 2505, 2524, 2527, 2585, 2631           |
| 3933                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 415800  | 5851 (4), 6160, 5919, 6028, 9667 (9)                     | 176 (2), 2500, 2504, 2505, 2590, 2728, 2789, 2818                             |
| 3934                                | $D_{12} \times S_3 : 2$        | 144   | 1663200 | 5849, 5937, 6161, 5851, 6162, 6163, 6164, 9650 (9)       | 178, 2504   |
| 3935                                | $D_{12} \times S_3 : 2$        | 144   | 1663200 | 5849, 5938, 6161, 5851, 6162, 6165, 6166, 9668 (9)       | 179, 2504   |
| 3936                                | $M_9 : 2$                      | 144   | 1663200 | 5963, 5915, 5964, 9641 (9)                               | 246 (2), 784, 1931, 1934 (2), 2017, 2562                                      |
| 3937                                | $M_9 : 2$                      | 144   | 3326400 | 5917, 5916, 5918, 9642 (9)                               | 247, 788, 925, 1935   |
| 3938                                | $S_3 \times 2^2 : S_3$         | 144   | 277200  | 5911, 5852, 5949, 7275 (3), 7319 (3), 7922 (4)           | 319, 630, 789, 1407 (3), 1617 (3), 1936 (3), 1937, 2506 (3), 2507, 2508 (3)   |
| 3939                                | $S_3 \times 2^2 : S_3$         | 144   | 27720   | 6020, 5852, 6018, 7276 (3), 7482 (3), 7974 (4)           | 320, 1408 (5), 1414 (6), 1667 (5), 1940 (10), 2507 (10), 2511 (15)            |
| 3940                                | $A_4 \times 2 : S_3$           | 144   | 277200  | 6023, 6022, 5852, 7396 (6), 7279 (3), 7507 (3), 7979 (4) | 321, 1409 (3), 1668 (3), 1939 (3), 1942, 2507, 2508 (3), 2510 (3)             |
| 3941                                | $2^2 \times 6 : S_3$           | 144   | 415800  | 5852, 6042, 6041, 7397 (6), 7281 (3), 7443 (3), 7966 (4) | 322, 1410, 1412 (2), 1738, 1938 (2), 2506, 2509, 2510, 2511, 2512, 2513, 2514 |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 3942                                | $2^2 : S_3 \times S_3$         | 144   | 415800  | 5852, 6043, 6044,<br>7282 (3), 7481 (3),<br>7973 (4)           | 323, 1411, 1413 (2),<br>1739, 1941 (2), 2508<br>(2), 2511, 2514 (2) |
| 3943                                | $2^2 : S_3 \times S_3$         | 144   | 831600  | 6091, 6051, 6006,<br>7253 (3), 7764 (3),<br>7890 (4)           | 387 (2), 1740, 2042,<br>2515, 2545, 2708                            |
| 3944                                | $A_4 \times 2 \times S_3$      | 144   | 831600  | 6095, 6051, 6007,<br>7254, 7765 (3), 7891<br>(4)               | 388 (2), 1747, 2051,<br>2515, 2560, 2596                            |
| 3945                                | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 5855, 5854, 5856,<br>7300 (3), 7258 (3),<br>7980 (4)           | 393, 2027, 2516   |
| 3946                                | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 5854, 5857, 5858,<br>7260 (3), 7368 (3),<br>7981 (4)           | 394, 1993, 2516   |
| 3947                                | $2^2 \times 6 : S_3$           | 144   | 1663200 | 5859, 5854, 5860,<br>7259, 7369 (3), 7982<br>(4)               | 395, 2033, 2516   |
| 3948                                | $A_4 \times 2 \times S_3$      | 144   | 554400  | 5858, 5855, 5859,<br>7292, 7262 (3), 7983<br>(4)               | 397 (3), 2032, 2516<br>(3)  |
| 3949                                | $S_3 \times 2^2 : S_3$         | 144   | 3326400 | 5862, 5861, 5848,<br>7263 (3), 7388 (3),<br>7904 (4)           | 398, 580  |
| 3950                                | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 5860, 5857, 5855,<br>7308 (3), 7264 (3),<br>7984 (4)           | 399, 2028, 2516   |
| 3951                                | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 5860, 5856, 5858,<br>7265 (3), 7383 (3),<br>7985 (4)           | 400, 2036, 2516   |
| 3952                                | $2^2 \times 6 : S_3$           | 144   | 1663200 | 5857, 5856, 5859,<br>7261 (6), 7382 (3),<br>7266 (3), 7986 (4) | 401, 2039, 2516   |
| 3953                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 415800  | 5868 (2), 5863 (2),<br>5866, 5919, 5890,<br>9669 (9)           | 563 (2), 2520, 2521,<br>2524, 2570, 2778,<br>2779, 2789             |
| 3954                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 831600  | 5869, 5864, 5865,<br>5920, 5863, 5877,<br>5876, 9670 (9)       | 564 (2), 1943 (2),<br>2014 (2), 2520, 2571,<br>2777                 |
| 3955                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 831600  | 5921, 5874, 5865,<br>5863, 5891, 5867,<br>5870, 9671 (9)       | 565 (2), 2520, 2572,<br>2776  |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 3956                                | $S_3 \times 2^2 \times S_3$    | 144   | 138600  | 5884 (3), 5892 (6),<br>5866 (3), 5879 (2),<br>6046, 7313 (6)                          | 566 (2), 1944, 2521<br>(3), 2522 (3), 2523,<br>2573, 2720 (3), 2742<br>(3), 2752 |
| 3957                                | $S_3 \times 2^2 \times S_3$    | 144   | 415800  | 5873 (2), 5896 (2),<br>6047, 5893 (4), 5865<br>(2), 5894, 5895 (2),<br>5866, 7314 (6) | 567 (2), 2520, 2522,<br>2526, 2574, 2759,<br>2782, 2797                          |
| 3958                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 415800  | 6025, 5872, 5866,<br>5864, 5897, 5867,<br>5898, 9672 (9)                              | 568 (2), 2520, 2523,<br>2525, 2575, 2744,<br>2784, 2792                          |
| 3959                                | $Q_{12} : S_3 : 2$             | 144   | 415800  | 5866, 5885, 6013,<br>9673 (9)   | 569 (2), 2521, 2525,<br>2526, 2576, 2735,<br>2790, 2799                          |
| 3960                                | $S_3 \times 4 \times S_3$      | 144   | 415800  | 6026, 5900 (2), 5866,<br>5899 (2), 5887, 7317<br>(6)                                  | 570 (2), 2522, 2524,<br>2525, 2577, 2760,<br>2783, 2793                          |
| 3961                                | $D_{12} \times S_3 : 2$        | 144   | 415800  | 5867 (2), 5866, 6048,<br>5886, 5901 (2), 9674<br>(9)                                  | 571 (2), 2523, 2524,<br>2526, 2578, 2745,<br>2785, 2796                          |
| 3962                                | $S_3 \times S_3 : 2 \times 2$  | 144   | 415800  | 5920, 5872, 5870,<br>5869, 5874, 5868,<br>5873, 9675 (9)                              | 572 (4), 2520 (2),<br>2575, 2765 (2)   |
| 3963                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 1663200 | 5888, 5875, 6086,<br>9676 (9)   | 576, 955, 2502   |
| 3964                                | $Q_{12} : S_3 : 2$             | 144   | 1663200 | 5875, 5889, 6085,<br>9676 (9)   | 577, 955, 2502   |
| 3965                                | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 6080, 5880, 5878,<br>7531 (3), 7530 (3),<br>7905 (4)                                  | 581 (2), 1945, 2753  |
| 3966                                | $2^2 : S_3 \times S_3$         | 144   | 831600  | 6062, 5900, 5896,<br>5881, 5879, 5902,<br>5903, 7532 (3), 7531<br>(3)                 | 584 (2), 1945, 2522,<br>2723, 2754   |
| 3967                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800  | 5885, 5890, 6046,<br>9677 (9)   | 586 (2), 1946, 2521,<br>2528, 2529, 2609,<br>2734, 2738, 2739                    |
| 3968                                | $D_8 \times 3 \times S_3$      | 144   | 831600  | 6066, 5905, 5895,<br>5879, 5881, 5899,<br>5904, 7498, 7499 (3)                        | 589 (2), 1947, 2522,<br>2724, 2751   |
| 3969                                | $2^2 : S_3 : S_3$              | 144   | 415800  | 6046, 5906 (2), 5894,<br>5881 (2), 5887, 7341<br>(6)                                  | 594 (2), 1948, 2522,<br>2527, 2529, 2614,<br>2722, 2747, 2755                    |

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| Nr.                                 | Structure                           | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 3970                                | $3 : S_3 \cdot 2 \times 2 \times 2$ | 144   | 138600  | 5898 (3), 5886 (3),<br>6046, 9678 (9)                    | 595 (2), 1949, 2523,<br>2527 (3), 2528 (3),<br>2615, 2721 (3), 2743<br>(3), 2748 |
| 3971                                | $3 : S_3 \cdot 2 : 2 \times 2$      | 144   | 1663200 | 5871 (2), 5882, 6085,<br>5907 (2), 5888, 9679<br>(9)     | 598, 2020 (2), 2502  |
| 3972                                | $2^2 : S_3 : S_3$                   | 144   | 1663200 | 5909 (2), 5882, 6086,<br>5908 (2), 5889, 7388<br>(6)     | 599, 928, 2502   |
| 3973                                | $Q_{12} : S_3 : 2$                  | 144   | 415800  | 5885, 5887, 6025,<br>9680 (9)                            | 600 (2), 943 (2),<br>2503, 2525, 2529,<br>2582, 2634, 2741,<br>2762              |
| 3974                                | $2^2 : S_3 : S_3$                   | 144   | 415800  | 5904 (2), 5884, 6047,<br>5903 (2), 5887, 7307<br>(6)     | 601 (2), 944 (2),<br>2503, 2522, 2532,<br>2584, 2632, 2761,<br>2763              |
| 3975                                | $3 : S_3 \cdot 2 \times 2 : 2$      | 144   | 415800  | 5886, 5885, 6047,<br>9680 (9)                            | 602 (2), 943 (2),<br>2503, 2526, 2528,<br>2583, 2635, 2737,<br>2764              |
| 3976                                | $3 : S_3 \cdot 2 : 2 \times 2$      | 144   | 415800  | 5872 (2), 5884, 6025,<br>5901 (2), 5886, 9681<br>(9)     | 603 (2), 1978 (4),<br>2503, 2523, 2530,<br>2610, 2630, 2727,<br>2765             |
| 3977                                | $3 : S_3 \cdot 2 : 2 \times 2$      | 144   | 415800  | 5919, 5874 (2), 5894,<br>5876 (2), 5898, 9682<br>(9)     | 608 (2), 2520, 2527,<br>2531, 2572, 2750,<br>2803, 2818                          |
| 3978                                | $D_{12} \times S_3 : 2$             | 144   | 831600  | 5921, 5873, 5891,<br>5877, 5876, 5868,<br>5897, 9683 (9) | 609 (2), 2520, 2574,<br>2778   |
| 3979                                | $S_3 \times S_3 : 2 \times 2$       | 144   | 415800  | 6025, 5869 (2), 5890,<br>5891 (2), 5894, 9684<br>(9)     | 610 (2), 2520, 2529,<br>2530, 2612, 2777,<br>2808, 2810                          |
| 3980                                | $2 \times 6 : S_3 \cdot 2$          | 144   | 415800  | 6047, 5870 (2), 5890,<br>5877 (2), 5898, 9685<br>(9)     | 611 (2), 2520, 2528,<br>2532, 2617, 2776,<br>2806, 2813                          |
| 3981                                | $Q_{12} : S_3 : 2$                  | 144   | 415800  | 5884, 5890, 6013,<br>9686 (9)                            | 612 (2), 2521, 2530,<br>2532, 2611, 2780,<br>2811, 2815                          |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 3982                                | $D_{24} : S_3$                     | 144   | 415800 | 6026, 5905 (2), 5894, 5902 (2), 5884, 7350 (6)               | 613 (2), 2522, 2530, 2531, 2622, 2731, 2781, 2819                       |
| 3983                                | $2^2 : S_3 \times S_3$             | 144   | 831600 | 5900, 5904, 5895, 5902, 6068, 5906, 5892, 7540 (3), 7541 (3) | 614 (2), 2522, 2758, 2821   |
| 3984                                | $S_3 \times 4 : S_3$               | 144   | 831600 | 5899, 5903, 5896, 5905, 6069, 5906, 5892, 7542 (3), 7543 (3) | 615 (2), 2522, 2756, 2822   |
| 3985                                | $3 : S_3 \cdot 2 \times 2 : 2$     | 144   | 415800 | 5897 (2), 5898, 5901 (2), 6048, 5884, 9687 (9)               | 616 (2), 2523, 2531, 2532, 2623, 2746, 2786, 2820                       |
| 3986                                | $D_{12} \times S_3 \cdot 2$        | 144   | 415800 | 5887, 6048, 5890, 9688 (9)                                   | 617 (2), 2524, 2529, 2532, 2616, 2787, 2809, 2814                       |
| 3987                                | $3 : S_3 \cdot 2 \times 2 \cdot 2$ | 144   | 415800 | 6026, 5886, 5890, 9689 (9)                                   | 619 (2), 2524, 2528, 2530, 2613, 2788, 2807, 2812                       |
| 3988                                | $Q_{12} : S_3 \cdot 2$             | 144   | 415800 | 6013, 5887, 5898, 9690 (9)                                   | 620 (2), 2525, 2527, 2532, 2625, 2749, 2794, 2804                       |
| 3989                                | $3 : S_3 \cdot 2 \times 2 \cdot 2$ | 144   | 415800 | 6026, 5885, 5898, 9691 (9)                                   | 621 (2), 2525, 2528, 2531, 2624, 2736, 2791, 2817                       |
| 3990                                | $Q_{12} : S_3 : 2$                 | 144   | 415800 | 5886, 6013, 5894, 9692 (9)                                   | 623 (2), 2526, 2527, 2530, 2627, 2729, 2798, 2805                       |
| 3991                                | $3 : S_3 \cdot 2 \times 2 : 2$     | 144   | 415800 | 5885, 6048, 5910 (4), 5894, 9693 (9)                         | 625 (2), 2526, 2529, 2531, 2626, 2740, 2795, 2816                       |
| 3992                                | $2^2 : S_3 \times S_3$             | 144   | 277200 | 6055, 6012, 5912, 7319 (3), 7274 (3), 7931 (4)               | 630, 1616 (3), 1950, 2533 (3), 2534, 2535 (3)                           |
| 3993                                | $2^2 \times 6 : S_3$               | 144   | 415800 | 5911 (2), 6041, 7275, 7566 (3), 7923 (4)                     | 634 (2), 1416, 1619, 1937 (2), 2506, 2537, 2539, 2661, 2670, 2675, 2678 |
| 3994                                | $2^2 \times 6 : S_3$               | 144   | 831600 | 5912, 6016, 6087, 7274, 7566 (3), 7932 (4)                   | 634, 1620, 1663, 1950, 2533, 2536, 2538                                 |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups                                    | Minimal Overgroups   |
| 3995                                | $S_3 \times 2^2 : S_3$ | 144   | 831600 | 5912, 6090, 5951,<br>7280 (3), 7332 (3),<br>7925 (4) | 635, 813, 1117 (2),<br>1622, 1952, 2533,<br>2540, 2542                     |
| 3996                                | $S_3 \times 2^2 : S_3$ | 144   | 831600 | 5911, 6042, 5949,<br>7281 (3), 7332 (3),<br>7924 (4) | 635, 812, 1417, 1621,<br>1938, 1951, 2506,<br>2541, 2543                   |
| 3997                                | $S_3 \times 2^2 : S_3$ | 144   | 831600 | 5914, 6092, 5950,<br>7280 (3), 7331 (3),<br>7926 (4) | 637, 814, 1623, 1952,<br>2544, 2546, 2548                                  |
| 3998                                | $S_3 \times 2^2 : S_3$ | 144   | 831600 | 5913, 6091, 5948,<br>7331 (3), 7281 (3),<br>7925 (4) | 637, 815, 1622, 1951,<br>2545, 2547, 2549                                  |
| 3999                                | $S_3 \times 2^2 : S_3$ | 144   | 277200 | 5912, 6057, 6017,<br>7511 (3), 7278 (3),<br>7933 (4) | 639, 1118 (6), 1627<br>(3), 1956, 2534, 2536<br>(3), 2542 (3)              |
| 4000                                | $S_3 \times 2^2 : S_3$ | 144   | 277200 | 5911, 6022, 6018,<br>7279 (3), 7511 (3),<br>7934 (4) | 639, 1418 (3), 1626<br>(3), 1939 (3), 1955,<br>2507, 2537 (3), 2543<br>(3) |
| 4001                                | $2^2 \times 6 : S_3$   | 144   | 277200 | 6020, 5911, 6023,<br>7276, 7509 (3), 7936<br>(4)     | 640, 1419 (3), 1629<br>(3), 1940 (3), 1957,<br>2507, 2539 (3), 2541<br>(3) |
| 4002                                | $2^2 \times 6 : S_3$   | 144   | 277200 | 6059, 5912, 6019,<br>7277, 7509 (3), 7935<br>(4)     | 640, 1628 (3), 1958,<br>2534, 2538 (3), 2540<br>(3)                        |
| 4003                                | $S_3 \times 2^2 : S_3$ | 144   | 831600 | 5911, 6022, 6043,<br>7567 (3), 7282 (3),<br>7938 (4) | 641, 1420, 1636,<br>1941, 1954, 2508,<br>2537, 2541                        |
| 4004                                | $2^2 : S_3 \times S_3$ | 144   | 831600 | 5912, 6093, 6021,<br>7283 (3), 7567 (3),<br>7937 (4) | 641, 1637, 1953,<br>2535, 2536, 2540                                       |
| 4005                                | $2^2 \times 6 : S_3$   | 144   | 831600 | 5911, 6044, 6023,<br>7279, 7568 (3), 7939<br>(4)     | 642, 1421, 1639,<br>1942, 1955, 2508,<br>2539, 2543                        |
| 4006                                | $2^2 \times 6 : S_3$   | 144   | 831600 | 5912, 6094, 6024,<br>7278, 7568 (3), 7940<br>(4)     | 642, 1119 (2), 1638,<br>1956, 2535, 2538,<br>2542                          |
| 4007                                | $2^2 : S_3 \times S_3$ | 144   | 277200 | 6033, 6051, 5913,<br>7501 (3), 7284 (3),<br>7942 (4) | 660, 1631 (3), 1960,<br>2545 (3), 2555, 2560<br>(3)                        |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups                                      | Minimal Overgroups  |
| 4008                                | $S_3 \times 2^2 : S_3$             | 144   | 277200 | 6056, 5914, 6032, 7501 (3), 7285 (3), 7941 (4)         | 660, 1630 (3), 1959, 2544 (3), 2554, 2561 (3)                           |
| 4009                                | $2^2 \times 6 : S_3$               | 144   | 277200 | 6011, 6054, 5913, 7276, 7510 (3), 7929 (4)             | 661, 1632 (3), 1957, 2547 (3), 2555, 2557 (3)                           |
| 4010                                | $2^2 \times 6 : S_3$               | 144   | 277200 | 6060, 6034, 5914, 7277, 7510 (3), 7943 (4)             | 661, 1633 (3), 1958, 2546 (3), 2554, 2556 (3)                           |
| 4011                                | $2^2 : S_3 \times S_3$             | 144   | 277200 | 6035, 6058, 5914, 7512 (3), 7286 (3), 7944 (4)         | 662, 1635 (3), 1961, 2548 (3), 2554, 2559 (3)                           |
| 4012                                | $S_3 \times 2^2 : S_3$             | 144   | 277200 | 6036, 5913, 6053, 7512 (3), 7287 (3), 7945 (4)         | 662, 1634 (3), 1962, 2549 (3), 2555, 2558 (3)                           |
| 4013                                | $2^2 \times 6 : S_3$               | 144   | 831600 | 5913, 6052, 6006, 7284, 7535 (3), 7927 (4)             | 663, 1641, 1960, 2545, 2557, 2558                                       |
| 4014                                | $2^2 \times 6 : S_3$               | 144   | 831600 | 5914, 6037, 6096, 7285, 7535 (3), 7946 (4)             | 663, 1640, 1959, 2544, 2556, 2559                                       |
| 4015                                | $S_3 \times 2^2 : S_3$             | 144   | 831600 | 5914, 6039, 6098, 7283 (3), 7569 (3), 7948 (4)         | 664, 1642, 1953, 2546, 2559, 2561                                       |
| 4016                                | $S_3 \times 2^2 : S_3$             | 144   | 831600 | 5913, 6038, 6095, 7569 (3), 7282 (3), 7947 (4)         | 664, 1643, 1954, 2547, 2558, 2560                                       |
| 4017                                | $2^2 \times 6 : S_3$               | 144   | 831600 | 6007, 5913, 6077, 7287, 7570 (3), 7928 (4)             | 665, 1644, 1962, 2549, 2557, 2560                                       |
| 4018                                | $2^2 \times 6 : S_3$               | 144   | 831600 | 6040, 6097, 5914, 7286, 7570 (3), 7949 (4)             | 665, 1645, 1961, 2548, 2556, 2561                                       |
| 4019                                | $3 : S_3 \cdot 2 \cdot 2 : 2$      | 144   | 554400 | 5915, 5965, 5966, 9694 (9)                             | 785 (3), 1932, 2019, 2562 (3)   |
| 4020                                | $3 : S_3 \cdot 2 \times 2 \cdot 2$ | 144   | 554400 | 5967 (3), 5968 (3), 5915, 9695 (9)                     | 786 (3), 1933, 2018, 2562 (3)   |
| 4021                                | $S_3 \times 2^2 \times S_3$        | 144   | 138600 | 5925 (2), 5926 (6), 5919 (3), 6111, 5922 (3), 7291 (6) | 790 (6), 2026, 2499 (3), 2505 (3), 2563, 2564 (3), 2567 (3), 2570, 2750 |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 4022                                | $S_3 \times 2^2 \times S_3$   | 144   | 415800 | 5928 (2), 5933 (4), 6047, 5927 (2), 5921 (2), 5920 (2), 6025, 5919, 7292 (6)               | 791 (4), 1599 (4), 1966 (4), 2500, 2503, 2520, 2563, 2571, 2629, 2683   |
| 4023                                | $S_3 \times 2^2 \times S_3$   | 144   | 415800 | 5930 (2), 5938 (2), 5929 (2), 6167, 5921 (2), 5923 (2), 5919, 5937 (2), 6168, 7293 (6)     | 792 (4), 2501, 2504, 2563, 2572, 2717, 2775, 2778                       |
| 4024                                | $S_3 \times 2^2 \times S_3$   | 144   | 138600 | 5922 (3), 6100 (3), 5969 (6), 5961 (2), 6046, 7294 (6)                                     | 793 (2), 1967, 2564 (3), 2565 (3), 2566, 2573, 2734 (3), 2747 (3), 2748 |
| 4025                                | $S_3 \times 2^2 \times S_3$   | 144   | 415800 | 5922, 6169 (2), 5921 (2), 5971 (2), 5970 (4), 6168, 6047, 5972 (2), 7295 (6)               | 794 (2), 2563, 2565, 2569, 2574, 2763, 2764, 2776                       |
| 4026                                | $S_3 \times 2^2 \times S_3$   | 144   | 415800 | 5973 (2), 5974 (2), 5976 (2), 5975 (2), 5922, 5920, 6169, 6025, 5923, 6167, 6125, 7296 (6) | 795 (2), 2563, 2566, 2568, 2575, 2762, 2765, 2777                       |
| 4027                                | $S_3 \times 4 \times S_3$     | 144   | 415800 | 5978 (2), 5986, 5922, 5977 (2), 6013, 7297 (6)   | 796 (2), 2564, 2568, 2569, 2576, 2780, 2794, 2798                       |
| 4028                                | $S_3 \times 4 \times S_3$     | 144   | 415800 | 5980 (2), 5997, 5922, 6026, 5979 (2), 7298 (6)   | 797 (2), 2565, 2567, 2568, 2577, 2781, 2788, 2791                       |
| 4029                                | $S_3 \times 2^2 \times S_3$   | 144   | 415800 | 5923 (2), 6130 (2), 5982 (4), 6103, 5922, 5983 (2), 5981 (2), 6048, 7299 (6)               | 798 (2), 2566, 2567, 2569, 2578, 2786, 2787, 2795                       |
| 4030                                | $D_{12} \times S_3 : 2$       | 144   | 415800 | 5863 (2), 5919, 5924 (2), 6104, 5942, 9696 (9)   | 802, 1963 (4), 2570, 2571, 2572, 2581, 2585, 2587, 2590                 |
| 4031                                | $S_3 \times S_3 : 2 \times 2$ | 144   | 138600 | 5940, 5864, 5941, 5920, 6126, 6128, 5924, 9697 (9)   | 803, 1964 (4), 1969 (4), 2571 (6), 2575 (3)                             |
| 4032                                | $S_3 \times S_3 : 2 \times 2$ | 144   | 831600 | 5921, 5876, 6134, 5924, 5941, 5865, 5943, 9698 (9)   | 804, 1965 (2), 1968 (2), 2571, 2572, 2574                               |

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|-------------------------------------|-------------------------------|-------|---------|--|---|
| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 4033                                | $D_{12} \times S_3 : 2$       | 144   | 415800  | 5866, 5942, 5924, 5922, 5959, 5868, 6170, 9699 (9)   | 805, 2570, 2573, 2574, 2575, 2576, 2577, 2578                           |
| 4034                                | $S_3 \times S_3 : 2 \times 2$ | 144   | 415800  | 5923, 5874, 5960, 5924, 5867, 5943, 6171, 9700 (9)   | 806, 2572 (2), 2575, 2578 (2)   |
| 4035                                | $S_3 \times 2^2 \times S_3$   | 144   | 277200  | 6114, 5975 (3), 6150, 5929 (3), 5927 (3), 5925, 5972 (3), 7601 (3), 7293 (3)                                 | 807 (3), 2030, 2563, 2605 (3), 2618 (3)                                 |
| 4036                                | $2^2 \times 6 \times S_3$     | 144   | 277200  | 6153, 5976 (3), 5971 (3), 5928 (3), 5930 (3), 6114, 5925, 7292, 7594 (3)                                     | 808 (3), 2032, 2563, 2606 (3), 2619 (3)                                 |
| 4037                                | $S_3 \times 2^2 \times S_3$   | 144   | 831600  | 6172, 5929, 5971, 5933 (2), 5973 (2), 5975, 5928, 5937 (2), 5970 (2), 5926, 6173, 7296 (3), 7348 (3)         | 809 (2), 816, 2563, 2607, 2620  |
| 4038                                | $S_3 \times 2^2 \times S_3$   | 144   | 831600  | 5976, 6174, 6173, 5970 (2), 5974 (2), 5930, 5927, 5938 (2), 5933 (2), 5972, 5926, 7295 (3), 7338 (3)         | 810 (2), 817, 2563, 2608, 2621  |
| 4039                                | $A_4 \times 2 \times S_3$     | 144   | 415800  | 5949 (2), 6041, 7294, 7448 (3), 7923 (4)   | 811 (2), 1422, 1619, 1967 (2), 2506, 2579, 2580, 2662, 2669, 2676, 2677 |
| 4040                                | $S_3 \times 2^2 \times S_3$   | 144   | 3326400 | 5945, 5939, 5934, 5955, 5932, 6083, 5947, 5957, 5931, 6075, 5944, 6050, 5953, 5853, 5946, 7311 (3), 7334 (3) | 819, 820, 1618, 1624, 1976, 1981  |
| 4041                                | $S_3 \times 2^2 \times S_3$   | 144   | 1663200 | 5952 (2), 6085, 5954 (2), 5935, 5936 (2), 6086, 5956 (2), 6084 (2), 5958 (2), 7333 (6)                       | 821 (2), 1625 (2), 1982 (2), 2502                                       |

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|-------------------------------------|-------------------------------------|-------|---------|--|---|
| Nr.                                 | Structure                           | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups  |
| 4042                                | $12 : S_3 \cdot 2$                  | 144   | 415800  | 5942, 5885, 5986, 9701 (9)                         | 822, 917 (2), 2576, 2581, 2582, 2583, 2609, 2624, 2626                      |
| 4043                                | $Q_{12} : S_3 \cdot 2$              | 144   | 415800  | 5997, 5887, 5942, 9702 (9)                         | 823, 921 (2), 2577, 2582, 2584, 2585, 2614, 2616, 2625                      |
| 4044                                | $S_3 \times 2^2 : S_3$              | 144   | 1663200 | 6008, 6141, 5962, 7332 (3), 7397 (3), 7925 (4)     | 824, 1117, 1938, 2586   |
| 4045                                | $3 : S_3 \cdot 2 \times 2 \times 2$ | 144   | 138600  | 5942 (3), 6159 (3), 6046, 9703 (9)                 | 825, 1975, 2573, 2587 (3), 2588 (3), 2589, 2609 (3), 2614 (3), 2615         |
| 4046                                | $3 : S_3 \cdot 2 \times 2 \times 2$ | 144   | 415800  | 5877 (2), 6047, 5941 (2), 6105, 5942, 9704 (9)     | 826, 1971 (4), 2571, 2574, 2583, 2584, 2588, 2592, 2617                     |
| 4047                                | $3 : S_3 \cdot 2 : 2 \times 2$      | 144   | 415800  | 6025, 5869, 6029, 5940, 5943, 6045, 5942, 9705 (9) | 827, 1424 (4), 1970 (4), 1973 (4), 2571, 2575, 2582, 2589, 2591, 2610, 2612 |
| 4048                                | $Q_{12} : S_3 \cdot 2$              | 144   | 415800  | 5942, 6027, 6013, 9706 (9)                         | 828, 1423 (4), 2576, 2587, 2591, 2592, 2611, 2625, 2627                     |
| 4049                                | $3 : S_3 \cdot 2 \times 2 \cdot 2$  | 144   | 415800  | 6026, 6028, 5942, 9707 (9)                         | 829, 1425 (4), 2577, 2588, 2590, 2591, 2613, 2622, 2624                     |
| 4050                                | $S_3 \times S_3 : 2 \times 2$       | 144   | 415800  | 5942, 5943 (2), 6175 (2), 6048, 6160, 9708 (9)     | 830, 2578, 2589, 2590, 2592, 2616, 2623, 2626                               |
| 4051                                | $S_3 \times 2^2 : S_3$              | 144   | 831600  | 5948, 6006, 6033, 7320 (3), 7445 (3), 7931 (4)     | 831, 1426 (2), 1616, 2000, 2545, 2593, 2594                                 |
| 4052                                | $A_4 \times 2 \times S_3$           | 144   | 831600  | 6052, 6051, 5948, 7313, 7766 (3), 7932 (4)         | 836, 1620, 1688 (2), 1944, 2545, 2595, 2596                                 |
| 4053                                | $2^2 : S_3 \times S_3$              | 144   | 277200  | 5949, 6022, 6020, 7321 (3), 7432 (3), 7934 (4)     | 837, 1431 (3), 1626 (3), 1991, 1998 (3), 2507, 2541 (3), 2579 (3)           |
| 4054                                | $2^2 : S_3 \times S_3$              | 144   | 831600  | 5948, 6038, 6011, 7432 (3), 7322 (3), 7933 (4)     | 838, 1433 (2), 1627, 1664 (4), 1698 (2), 1998, 2547, 2593, 2595             |

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|-------------------------------------|---------------------------|-------|--------|--|---|
| Nr.                                 | Structure                 | Order | Length | Maximal Subgroups                              | Minimal Overgroups  |
| 4055                                | $A_4 \times 2 \times S_3$ | 144   | 277200 | 6018, 5949, 6023, 7324, 7430 (3), 7936 (4)     | 839, 1430 (3), 1629 (3), 1990, 1996 (3), 2507, 2543 (3), 2580 (3) |
| 4056                                | $A_4 \times 2 \times S_3$ | 144   | 831600 | 6007, 6036, 5948, 7323, 7446 (3), 7935 (4)     | 840, 1428 (2), 1628, 2003, 2549, 2593, 2596                       |
| 4057                                | $2^2 : S_3 \times S_3$    | 144   | 831600 | 6016, 5951, 6012, 7335 (3), 7420 (3), 7942 (4) | 841, 1427 (2), 1631, 1992, 2533, 2598, 2604                       |
| 4058                                | $S_3 \times 2^2 : S_3$    | 144   | 831600 | 5950, 6037, 6032, 7444 (3), 7336 (3), 7941 (4) | 842, 1434 (2), 1630, 1999, 2544, 2597, 2603                       |
| 4059                                | $A_4 \times 2 \times S_3$ | 144   | 831600 | 6040, 6035, 5950, 7337, 7447 (3), 7943 (4)     | 843, 1435 (2), 1633, 2004, 2548, 2597, 2600                       |
| 4060                                | $A_4 \times 2 \times S_3$ | 144   | 831600 | 6017, 5951, 6024, 7338, 7429 (3), 7929 (4)     | 844, 1432 (2), 1632, 1995, 2542, 2598, 2599                       |
| 4061                                | $S_3 \times 2^2 : S_3$    | 144   | 831600 | 6019, 6021, 5951, 7431 (3), 7339 (3), 7945 (4) | 845, 1429 (2), 1634, 1997, 2540, 2598, 2601                       |
| 4062                                | $2^2 : S_3 \times S_3$    | 144   | 831600 | 6034, 5950, 6039, 7431 (3), 7340 (3), 7944 (4) | 846, 1436 (2), 1635, 1997, 2546, 2597, 2602                       |
| 4063                                | $S_3 \times 2^2 : S_3$    | 144   | 831600 | 5948, 6077, 6053, 7767 (3), 7341 (3), 7937 (4) | 847, 1637, 1699 (2), 1948, 2549, 2594, 2595                       |
| 4064                                | $S_3 \times 2^2 : S_3$    | 144   | 831600 | 5949, 6044, 6022, 7477 (3), 7342 (3), 7938 (4) | 848, 1438, 1636, 1988, 2022, 2508, 2543, 2579                     |
| 4065                                | $A_4 \times 2 \times S_3$ | 144   | 831600 | 6054, 6095, 5948, 7344, 7438 (3), 7940 (4)     | 849, 1638, 2021, 2547, 2594, 2596                                 |
| 4066                                | $A_4 \times 2 \times S_3$ | 144   | 831600 | 6043, 6023, 5949, 7343, 7438 (3), 7939 (4)     | 850, 1437, 1639, 1989, 2021, 2508, 2541, 2580                     |
| 4067                                | $A_4 \times 2 \times S_3$ | 144   | 831600 | 5951, 6055, 6087, 7291, 7519 (3), 7927 (4)     | 851, 1641, 1704, 2026, 2533, 2599, 2601                           |
| 4068                                | $A_4 \times 2 \times S_3$ | 144   | 831600 | 6056, 6096, 5950, 7310, 7768 (3), 7946 (4)     | 852, 1640, 2041, 2544, 2600, 2602                                 |

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|-------------------------------------|-------------------------------------|-------|---------|--|---|
| Nr.                                 | Structure                           | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 4069                                | $S_3 \times 2^2 : S_3$              | 144   | 831600  | 5951, 6094, 6057, 7769 (3), 7346 (3), 7947 (4)               | 853, 1643, 2035, 2542, 2601, 2604                                   |
| 4070                                | $S_3 \times 2^2 : S_3$              | 144   | 831600  | 5950, 6058, 6097, 7770 (3), 7345 (3), 7948 (4)               | 854, 1642, 2045, 2548, 2602, 2603                                   |
| 4071                                | $A_4 \times 2 \times S_3$           | 144   | 831600  | 5951, 6093, 6059, 7348, 7441 (3), 7928 (4)                   | 855, 1644, 2038, 2540, 2599, 2604                                   |
| 4072                                | $A_4 \times 2 \times S_3$           | 144   | 831600  | 6098, 5950, 6060, 7347, 7441 (3), 7949 (4)                   | 856, 1645, 2038, 2546, 2600, 2603                                   |
| 4073                                | $D_8 \times 3 \times S_3$           | 144   | 831600  | 5961, 5985, 5925, 6099, 6061, 6110, 5978, 7319, 7566 (3)     | 857, 1937, 1950, 2564, 2605, 2606                                   |
| 4074                                | $S_3 \times 2^2 : S_3$              | 144   | 831600  | 5926, 6139, 6061, 5977, 5961, 6176, 5992, 7443 (3), 7332 (3) | 858, 1938, 2564, 2607, 2608   |
| 4075                                | $D_{12} \times S_3 : 2$             | 144   | 415800  | 5884, 5942, 6132 (2), 6100, 5959 (2), 9709 (9)               | 859, 1972 (4), 2573, 2581, 2584, 2610, 2611, 2622, 2623             |
| 4076                                | $3 : S_3 \cdot 2 \times 2 \times 2$ | 144   | 415800  | 5886, 5942, 6133 (2), 6103, 5960 (2), 9710 (9)               | 860, 1974 (4), 2578, 2583, 2585, 2610, 2613, 2615, 2627             |
| 4077                                | $3 : S_3 \cdot 2 \times 2 \times 2$ | 144   | 138600  | 5942 (3), 5890 (3), 6111, 9711 (9)                           | 861, 1983, 2570, 2609 (3), 2611 (3), 2612, 2613 (3), 2616 (3), 2617 |
| 4078                                | $3 : S_3 \cdot 2 : 2 \times 2$      | 144   | 138600  | 6125, 5872, 6129, 5940, 5959, 6127, 5960, 9712 (9)           | 862, 1984 (4), 1985 (4), 2575 (3), 2610 (6)                         |
| 4079                                | $D_{12} \times S_3 : 2$             | 144   | 831600  | 6138, 5960, 6135, 6130, 5901, 5959, 5943, 9713 (9)           | 863, 1986 (2), 1987 (2), 2578, 2610, 2623                           |
| 4080                                | $2^2 : S_3 \times S_3$              | 144   | 831600  | 5980, 6144, 5961, 6177, 6062, 5995, 5972, 7617 (3), 7342 (3) | 864, 1988, 2565, 2605, 2608   |
| 4081                                | $S_3 \times 2^2 : S_3$              | 144   | 1663200 | 5962, 6063, 6143, 7615 (3), 7342 (3), 7947 (4)               | 865, 1988, 2586   |

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| Nr.                                 | Structure                          | Order | Length  | Maximal Subgroups  | Minimal Overgroups                  |
| 4082                                | $S_3 \times 2^2 \times S_3$        | 144   | 277200  | 5975 (3), 6178 (3), 5983 (3), 6142, 5961, 6101 (3), 6064, 7343 (3), 7455 (3)                         | 866, 1989, 2566, 2605 (3), 2607 (3) |
| 4083                                | $2^2 \times 6 \times S_3$          | 144   | 277200  | 5976 (3), 5981 (3), 6102 (3), 6179 (3), 6147, 6064, 5961, 7324, 7620 (3)                             | 867, 1990, 2566, 2606 (3), 2608 (3) |
| 4084                                | $A_4 \times 2 \times S_3$          | 144   | 554400  | 5962, 6065, 6146, 7324, 7618 (3), 7929 (4)   | 868, 1990, 2586 (3)                 |
| 4085                                | $D_8 \times 3 \times S_3$          | 144   | 831600  | 5961, 5996, 5971, 6144, 6066, 6180, 5979, 7321, 7458 (3)   | 869, 1991, 2565, 2606, 2607         |
| 4086                                | $3 : S_3 \cdot 2 \cdot 2 \times 2$ | 144   | 1663200 | 5968, 5963, 5965, 9714 (9)   | 870, 2058, 2562                     |
| 4087                                | $D_{12} \times S_3 : 2$            | 144   | 1663200 | 6158 (2), 6124 (2), 5966, 5964, 5968, 9715 (9)   | 871, 2057, 2562                     |
| 4088                                | $3 : S_3 \cdot 2 \cdot 2 : 2$      | 144   | 1663200 | 5967, 5965, 5964, 9716 (9)   | 872, 2059, 2562                     |
| 4089                                | $3 : S_3 \cdot 2 \cdot 2 : 2$      | 144   | 1663200 | 5967, 5963, 5966, 9717 (9)   | 873, 2060, 2562                     |
| 4090                                | $S_3 \times 4 : S_3$               | 144   | 831600  | 5985, 6176, 5926, 5978, 6181, 5969, 6067, 7335 (3), 7664 (3)   | 874, 2564, 2620, 2621               |
| 4091                                | $S_3 \times 2^2 : S_3$             | 144   | 831600  | 6110, 5992, 5925, 5977, 6067, 5969, 6149, 7300 (3), 7592 (3)   | 875, 2027, 2564, 2618, 2619         |
| 4092                                | $2^2 : S_3 \times S_3$             | 144   | 831600  | 5969, 5996, 5971, 6182, 6068, 6177, 5980, 7665 (3), 7306 (3)   | 876, 2565, 2619, 2620               |
| 4093                                | $S_3 \times 4 : S_3$               | 144   | 831600  | 5969, 6069, 5972, 6180, 5995, 6182, 5979, 7666 (3), 7349 (3)   | 877, 2565, 2618, 2621               |
| 4094                                | $S_3 \times 2^2 \times S_3$        | 144   | 831600  | 5974 (2), 5969, 5975, 6178, 6070, 5982 (2), 6183, 6102, 6131 (2), 6184 (2), 5981, 7668 (3), 7351 (3) | 878, 2566, 2618, 2620               |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups  | Minimal Overgroups             |
| 4095                                | $S_3 \times 2^2 \times S_3$ | 144   | 831600 | 5973 (2), 5982 (2),<br>5976, 6131 (2), 6185,<br>5969, 6179, 5983,<br>6186 (2), 6070, 6101,<br>7334 (3), 7667 (3) | 879, 2566, 2619, 2621          |
| 4096                                | $2^2 : S_3 \times S_3$      | 144   | 831600 | 5980, 6151, 5925,<br>6071, 6112, 5993,<br>5983, 7308 (3), 7598<br>(3)  | 880, 2028, 2567,<br>2605, 2619 |
| 4097                                | $S_3 \times 2^2 : S_3$      | 144   | 831600 | 5980, 5994, 5926,<br>6187, 6071, 6188,<br>5981, 7346 (3), 7672<br>(3)  | 881, 2567, 2608, 2620          |
| 4098                                | $S_3 \times 4 : S_3$        | 144   | 831600 | 5979, 6072, 5926,<br>6188, 5993, 6189,<br>5983, 7468 (3), 7339<br>(3)  | 882, 2567, 2607, 2621          |
| 4099                                | $D_8 \times 3 \times S_3$   | 144   | 831600 | 5981, 6072, 5925,<br>6115, 5994, 6151,<br>5979, 7326, 7596 (3)   | 883, 2031, 2567,<br>2606, 2618 |
| 4100                                | $S_3 \times 2^2 \cdot S_3$  | 144   | 831600 | 6190, 5977, 5976,<br>6014, 5980, 5998,<br>6191, 7415 (3), 7302<br>(3)  | 884, 2568, 2608, 2619          |
| 4101                                | $S_3 \times 4 \times S_3$   | 144   | 831600 | 6014, 5980, 5975,<br>6192, 5978, 6193,<br>5988, 7425 (3), 7354<br>(3)  | 885, 2568, 2605, 2620          |
| 4102                                | $S_3 \times 4 \times S_3$   | 144   | 831600 | 5998, 5979, 5975,<br>6194, 5977, 6192,<br>6015, 7416 (3), 7352<br>(3)  | 886, 2568, 2607, 2618          |
| 4103                                | $2 \times 12 \times S_3$    | 144   | 831600 | 6195, 5988, 5976,<br>5979, 6015, 5978,<br>6191, 7327, 7426 (3)   | 887, 2568, 2606, 2621          |
| 4104                                | $S_3 \times 4 : S_3$        | 144   | 831600 | 5983, 6196, 5972,<br>6073, 6197, 5987,<br>5978, 7358 (3), 7677<br>(3)  | 888, 2569, 2605, 2621          |
| 4105                                | $D_8 \times 3 \times S_3$   | 144   | 831600 | 5981, 5989, 5971,<br>6197, 6074, 6198,<br>5978, 7329, 7675 (3)   | 889, 2569, 2606, 2620          |

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|-------------------------------------|-------------------------------------|-------|---------|--|---|
| Nr.                                 | Structure                           | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                |
| 4106                                | $2^2 : S_3 \times S_3$              | 144   | 831600  | 5983, 6074, 5971, 6196, 5999, 6199, 5977, 7301 (3), 7474 (3) | 890, 2569, 2607, 2619                             |
| 4107                                | $2^2 : S_3 \times S_3$              | 144   | 831600  | 5981, 6199, 5972, 6000, 6198, 6073, 5977, 7676 (3), 7357 (3) | 891, 2569, 2608, 2618                             |
| 4108                                | $3 : S_3 \cdot 2 \times 2 \times 2$ | 144   | 415800  | 5898, 6167, 5941, 5942, 5870, 5960, 6200, 9718 (9)           | 892, 2572, 2575, 2615, 2617, 2623, 2624, 2625     |
| 4109                                | $D_{12} \times S_3 : 2$             | 144   | 415800  | 6168, 5894, 5891 (2), 5942, 5943 (2), 9719 (9)               | 893, 2572, 2574, 2612, 2614, 2622, 2626, 2627     |
| 4110                                | $3 : S_3 \cdot 2 : 2 \times 2$      | 144   | 415800  | 6169, 5897, 5873, 5943, 5959, 6201, 5941, 9720 (9)           | 894, 2574 (2), 2575, 2623 (2)                     |
| 4111                                | $Q_8 : 3 : S_3$                     | 144   | 1663200 | 5984, 7250 (6), 7360 (3), 7385 (3), 7987 (4)                 | 907, 1701, 1703, 2628                             |
| 4112                                | $Q_8 : 3 \times S_3$                | 144   | 1663200 | 5984, 7386, 7362 (3), 7960 (4)                               | 908, 1712, 1714, 2628                             |
| 4113                                | $Q_8 \times 3 : S_3$                | 144   | 1663200 | 5984, 7361, 7387 (3), 7988 (4)                               | 909, 1708, 1709, 2628                             |
| 4114                                | $D_{24} : S_3$                      | 144   | 415800  | 6100, 5992 (2), 5919, 5985 (2), 5986, 7300 (6)               | 914 (2), 2564, 2581, 2629, 2631, 2775, 2779, 2818 |
| 4115                                | $S_3 \times 4 : S_3$                | 144   | 831600  | 5927, 6101, 5985, 5987, 5995, 5988, 5993, 7367 (3), 7368 (3) | 915 (2), 2605, 2621, 2629                         |
| 4116                                | $D_8 \times 3 \times S_3$           | 144   | 831600  | 6102, 5989, 5928, 5985, 5996, 5994, 5988, 7366, 7369 (3)     | 916 (2), 2606, 2620, 2629                         |
| 4117                                | $S_3 \times 4 \times S_3$           | 144   | 415800  | 6025, 5988 (2), 5997, 5986, 5998 (2), 7302 (6)               | 918 (2), 2568, 2582, 2629, 2630, 2718, 2792, 2808 |
| 4118                                | $D_8 \times 3 : S_3$                | 144   | 415800  | 5986, 5989, 6103, 5987, 5999, 6000, 6047, 7304 (6), 7301 (6) | 919 (2), 2569, 2583, 2629, 2632, 2719, 2797, 2806 |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups                                |
| 4119                                | $D_{24} : S_3$                     | 144   | 415800 | 6104, 5990 (2), 5986, 6001 (2), 5884, 7303 (6)               | 920 (2), 2581, 2630, 2632, 2720, 2780, 2819, 2820 |
| 4120                                | $3 : S_3 \cdot 2 \times 2 \cdot 2$ | 144   | 415800 | 5886, 6105, 5986, 9702 (9)                                   | 921 (2), 2583, 2630, 2631, 2721, 2796, 2798, 2807 |
| 4121                                | $S_3 \times 4 \times S_3$          | 144   | 415800 | 5887, 6002 (2), 6029, 5991 (2), 5986, 7305 (6)               | 922 (2), 2582, 2631, 2632, 2722, 2793, 2794, 2809 |
| 4122                                | $S_3 \times 4 : S_3$               | 144   | 831600 | 6106, 5990, 6107, 5987, 6003, 5903, 5991, 7374 (3), 7375 (3) | 923 (2), 2632, 2723, 2822                         |
| 4123                                | $D_8 \times 3 \times S_3$          | 144   | 831600 | 5989, 5991, 6108, 6004, 6109, 5990, 5904, 7372, 7373 (3)     | 924 (2), 2632, 2724, 2821                         |
| 4124                                | $2^2 : S_3 : S_3$                  | 144   | 415800 | 5919, 5994 (2), 5997, 6103, 5993 (2), 7308 (6)               | 931 (2), 2567, 2585, 2629, 2633, 2717, 2789, 2803 |
| 4125                                | $S_3 \times 2^2 : S_3$             | 144   | 831600 | 5927, 6000, 5994, 5998, 6102, 5995, 5992, 7383 (3), 7384 (3) | 933 (2), 2608, 2618, 2629                         |
| 4126                                | $S_3 \times 2^2 : S_3$             | 144   | 831600 | 5996, 5992, 5928, 5998, 5993, 6101, 5999, 7382 (3), 7363 (3) | 934 (2), 2607, 2619, 2629                         |
| 4127                                | $2^2 : S_3 : S_3$                  | 144   | 415800 | 6047, 5995 (2), 5996 (2), 6100, 5997, 7306 (6)               | 939 (2), 2565, 2584, 2629, 2635, 2733, 2782, 2813 |
| 4128                                | $D_{12} \times S_3 : 2$            | 144   | 415800 | 6104, 5885, 6005 (4), 6100, 9721 (9)                         | 940 (2), 2581, 2634, 2635, 2734, 2735, 2816, 2817 |
| 4129                                | $Q_{12} : S_3 : 2$                 | 144   | 415800 | 5885, 5997, 6029, 9722 (9)                                   | 942 (2), 2582, 2633, 2635, 2739, 2740, 2790, 2791 |
| 4130                                | $3 : S_3 \cdot 2 \times 2 : 2$     | 144   | 415800 | 5885, 6105, 6103, 9722 (9)                                   | 942 (2), 2583, 2633, 2634, 2736, 2738, 2795, 2799 |
| 4131                                | $Q_{12} : S_3 : 2$                 | 144   | 415800 | 6105, 5887, 6100, 9723 (9)                                   | 945 (2), 2584, 2631, 2634, 2747, 2749, 2783, 2814 |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 4132                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800  | 5997, 5886, 6104, 9723 (9)                                   | 945 (2), 2585, 2630, 2635, 2743, 2745, 2788, 2805              |
| 4133                                | $D_{12} \times S_3 \cdot 2$    | 144   | 415800  | 6105, 5884, 5997, 9724 (9)                                   | 946 (2), 2584, 2630, 2633, 2742, 2746, 2781, 2815              |
| 4134                                | $2^2 : S_3 : S_3$              | 144   | 415800  | 6004 (2), 6104, 6103, 6003 (2), 5887, 7309 (6)               | 948 (2), 2585, 2632, 2634, 2755, 2760, 2787, 2804              |
| 4135                                | $S_3 \times 2^2 : S_3$         | 144   | 831600  | 5904, 6003, 6108, 6106, 6001, 6002, 5999, 7380 (3), 7378 (3) | 950 (2), 2632, 2751, 2758                                      |
| 4136                                | $2^2 : S_3 \times S_3$         | 144   | 831600  | 5903, 6004, 6107, 6109, 6001, 6002, 6000, 7379 (3), 7381 (3) | 951 (2), 2632, 2754, 2756                                      |
| 4137                                | $2^2 \times 6 : S_3$           | 144   | 831600  | 6011, 6006, 6007, 7403, 7395 (3), 7958 (4)                   | 1114 (4), 1439 (2), 1674, 2007, 2515, 2557, 2593               |
| 4138                                | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 6008, 6063, 6065, 7511 (3), 7396 (3), 7933 (4)               | 1118, 1664 (2), 1697 (2), 1939, 2586                           |
| 4139                                | $2^2 \times 6 : S_3$           | 144   | 1663200 | 6008, 6146, 6143, 7396, 7568 (3), 7940 (4)                   | 1119, 1942, 2586   |
| 4140                                | $A_4 \times 2 \times S_3$      | 144   | 1663200 | 6078, 6082, 6009, 7399, 7398 (3), 7960 (4)                   | 1120 (2), 1666, 1696, 1712, 2684                               |
| 4141                                | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 6010, 6076, 6082, 7400 (3), 7571 (3), 7989 (4)               | 1121 (2), 1665, 1695, 2684                                     |
| 4142                                | $2^2 \times 6 \cdot S_3$       | 144   | 415800  | 6041, 7413, 7442 (3), 7963 (4)                               | 1444 (2), 1488, 1774, 2512, 2641, 2642, 2661, 2669, 2679, 2680 |
| 4143                                | $S_3 \times 2^2 : S_3$         | 144   | 277200  | 6017, 6019, 6012, 7421 (3), 7513 (3), 7990 (4)               | 1445 (2), 1669 (3), 1994, 2534, 2598 (3), 2686 (3)             |
| 4144                                | $A_4 \times 2 : S_3$           | 144   | 831600  | 6024, 6021, 6012, 7260 (6), 7422 (3), 7573 (3), 7991 (4)     | 1446 (2), 1670, 1993, 2535, 2598, 2687                         |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups                              | Minimal Overgroups   |
| 4145                                | $S_3 \times 4 \times S_3$      | 144   | 415800 | 6014 (2), 6015 (2), 6025, 6026, 6013, 7327 (6) | 1447 (4), 1605 (4), 2525, 2530, 2568, 2591, 2683, 2725, 2801   |
| 4146                                | $A_4 \times 2 \cdot S_3$       | 144   | 415800 | 6041, 7414, 7370 (3), 7963 (4)                 | 1448 (2), 1487, 1774, 2512, 2643, 2644, 2662, 2670, 2681, 2682   |
| 4147                                | $S_3 \times 2^2 : S_3$         | 144   | 831600 | 6016, 6021, 6017, 7368 (3), 7422 (3), 7989 (4) | 1449 (2), 1671, 1993, 2536, 2598, 2709   |
| 4148                                | $2^2 \times 6 : S_3$           | 144   | 831600 | 6024, 6016, 6019, 7421, 7574 (3), 7992 (4)     | 1450 (2), 1672, 1994, 2538, 2598, 2707   |
| 4149                                | $2^4 : 3 : 3$                  | 144   | 207900 | 7427, 7448, 7771 (2), 7964 (4), 7962 (4)       | 1451 (2), 1457 (2), 2550, 2553, 2640, 2645, 2647, 2648, 2651, 2653, 2655, 2657, 2659, 2715, 2768, 2771, 2772                   |
| 4150                                | $2^4 : 3 : 3$                  | 144   | 17325  | 7428 (2), 7772 (2), 7965 (8)                   | 1452 (8), 2009 (4), 2517 (6), 2519 (12), 2551 (12), 2639, 2646 (2), 2652 (6), 2654 (6), 2732 (2), 2766 (3), 2767 (3), 2770 (6) |
| 4151                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800 | 6027, 6028, 6025, 9725 (9)                     | 1453 (4), 2500, 2591, 2726, 2727, 2762, 2792, 2810   |
| 4152                                | $Q_{12} : S_3 : 2$             | 144   | 415800 | 6028, 6013, 6029, 9726 (9)                     | 1454 (4), 2591, 2728, 2729, 2790, 2794, 2800, 2811   |
| 4153                                | $S_3 \times 4 \times S_3$      | 144   | 415800 | 6026, 6030 (2), 6029, 6031 (2), 6027, 7328 (6) | 1455 (4), 2591, 2730, 2731, 2791, 2793, 2802, 2812   |
| 4154                                | $A_4 \times 2 \times 2 : 3$    | 144   | 103950 | 7773 (2), 7449 (2), 7972 (8)                   | 1456 (4), 2518 (4), 2552 (2), 2649, 2650 (2), 2656 (2), 2658 (2), 2660 (2), 2769, 2773, 2774 (2)                               |

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| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 4155                                | $2^2 : S_3 \times S_3$           | 144   | 277200 | 6034, 6035, 6032, 7450 (3), 7514 (3), 7993 (4)           | 1458 (2), 1673 (3), 2008, 2554, 2597 (3), 2712 (3)                         |
| 4156                                | $S_3 \times 2^2 : S_3$           | 144   | 277200 | 6011, 6033, 6036, 7403 (3), 7506 (3), 7990 (4)           | 1459 (2), 1669 (3), 2007, 2555, 2593 (3), 2685 (3)                         |
| 4157                                | $2^2 \times 6 : S_3$             | 144   | 831600 | 6040, 6034, 6037, 7450, 7575 (3), 7994 (4)               | 1460 (2), 1675, 2008, 2556, 2597, 2710                                     |
| 4158                                | $S_3 \times 2^2 : S_3$           | 144   | 831600 | 6038, 6006, 6036, 7576 (3), 7452 (3), 7995 (4)           | 1461 (2), 1676, 2006, 2558, 2593, 2708                                     |
| 4159                                | $S_3 \times 2^2 : S_3$           | 144   | 831600 | 6035, 6037, 6039, 7451 (3), 7577 (3), 7996 (4)           | 1462 (2), 1677, 2005, 2559, 2597, 2711                                     |
| 4160                                | $A_4 \times 2 : S_3$             | 144   | 831600 | 6007, 6033, 6038, 7582 (6), 7452 (3), 7583 (3), 7997 (4) | 1463 (2), 1679, 2006, 2560, 2593, 2688                                     |
| 4161                                | $2^2 \times 6 : S_3$             | 144   | 831600 | 6039, 6032, 6040, 7578 (6), 7451 (3), 7581 (3), 7998 (4) | 1464 (2), 1678, 2005, 2561, 2597, 2713                                     |
| 4162                                | $A_4 \times 2 \cdot S_3$         | 144   | 415800 | 6041, 7453 (3), 7454 (6), 7377 (3), 7967 (4)             | 1465 (2), 1490, 1772, 2513, 2641, 2643, 2663, 2671, 2675, 2676             |
| 4163                                | $A_4 \times 2 \times S_3$        | 144   | 415800 | 6043, 6018, 6041, 7455, 7438 (3), 7968 (4)               | 1466 (2), 1485, 1746, 1989 (2), 2511, 2537, 2580, 2641, 2644, 2665, 2673   |
| 4164                                | $A_4 \times 3 \times 2 \cdot 2$  | 144   | 415800 | 6041, 7456, 7457 (2), 7434, 7969 (4)                     | 1467 (2), 1489, 1776, 2513, 2642, 2644, 2668, 2672, 2677, 2678             |
| 4165                                | $2^2 \times 6 : S_3$             | 144   | 415800 | 6020, 6044, 6041, 7432, 7458 (3), 7968 (4)               | 1468 (2), 1486, 1746, 1991 (2), 2511, 2539, 2579, 2642, 2643, 2666, 2674   |
| 4166                                | $A_4 \times 3 \times 2 \times 2$ | 144   | 138600 | 6041 (3), 7605 (2), 7428, 7607, 7999 (4)                 | 1471, 1725, 2009, 2509, 2661 (3), 2662 (3), 2663 (3), 2665, 2666, 2668 (3) |

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| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 4167                                | $2^4 : 3 : 3$                    | 144   | 277200 | 7605, 7428, 7603 (2),<br>8000 (4), 7962 (4)                           | 1472, 1724, 2009,<br>2636 (3), 2664 (3),<br>2667                                  |
| 4168                                | $A_4 \times 2 : S_3$             | 144   | 415800 | 6041, 6042 (2), 7651<br>(6), 7653 (3), 7445<br>(3), 8001 (4)          | 1479, 1773, 2509,<br>2669, 2670, 2671,<br>2672, 2673, 2674                        |
| 4169                                | $2^2 \times 6 : S_3$             | 144   | 831600 | 6042, 6022, 6023,<br>7626 (6), 7628 (3),<br>7479 (3), 8002 (4)        | 1480, 1753, 2023,<br>2025, 2510, 2541,<br>2543                                    |
| 4170                                | $A_4 \times 3 \times 2 \times 2$ | 144   | 415800 | 6023 (2), 6041, 7618<br>(2), 7620, 7430, 8003<br>(4)                  | 1481, 1748, 1990 (2),<br>2510, 2539, 2580,<br>2668, 2671, 2680,<br>2681           |
| 4171                                | $A_4 \times 2 : S_3$             | 144   | 415800 | 6022 (2), 6041, 7615<br>(6), 7617 (3), 7477<br>(3), 8004 (4)          | 1482, 1745, 1988 (2),<br>2510, 2537, 2579,<br>2663, 2672, 2679,<br>2682           |
| 4172                                | $S_3 \times 2^2 : S_3$           | 144   | 415800 | 6020, 6042, 6043,<br>7403 (3), 7484 (3),<br>7975 (4)                  | 1483, 1495 (2), 1754,<br>2024 (2), 2511, 2541<br>(2), 2674 (2)                    |
| 4173                                | $S_3 \times 2^2 : S_3$           | 144   | 415800 | 6018, 6042, 6044,<br>7479 (3), 7483 (3),<br>7975 (4)                  | 1484, 1494 (2), 1754,<br>2023 (2), 2511, 2543<br>(2), 2673 (2)                    |
| 4174                                | $2^2 \times 6 : S_3$             | 144   | 415800 | 6044 (2), 6041, 7437,<br>7655 (3), 8005 (4)                           | 1491, 1775, 2514,<br>2666, 2673, 2676,<br>2678, 2680, 2682                        |
| 4175                                | $S_3 \times 2^2 : S_3$           | 144   | 831600 | 6042, 6044, 6043,<br>7658 (3), 7452 (3),<br>8006 (4)                  | 1492, 1780, 2514,<br>2673, 2674   |
| 4176                                | $A_4 \times 2 \times S_3$        | 144   | 415800 | 6043 (2), 6041, 7654,<br>7446 (3), 8005 (4)                           | 1493, 1775, 2514,<br>2665, 2674, 2675,<br>2677, 2679, 2681                        |
| 4177                                | $2^2 : S_3 : S_3$                | 144   | 415800 | 6067 (2), 5919, 6013,<br>6061 (2), 6046, 7319<br>(6)                  | 1601 (4), 1936, 2521,<br>2527, 2564, 2587,<br>2683, 2717, 2728                    |
| 4178                                | $D_8 \times 3 : S_3$             | 144   | 415800 | 6066, 6047, 6062,<br>6068, 6026, 6069,<br>6046, 7321 (6), 7322<br>(6) | 1602 (4), 1998, 2522,<br>2528, 2565, 2588,<br>2683, 2719, 2730                    |
| 4179                                | $S_3 \times 2^2 \times S_3$      | 144   | 138600 | 6025 (3), 6048 (3),<br>6070 (6), 6064 (2),<br>6046, 7324 (6)          | 1603 (4), 1996, 2523,<br>2529 (3), 2566, 2589,<br>2683 (3), 2718 (3),<br>2726 (3) |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                 |
| 4180                                | $D_{24} : S_3$            | 144   | 415800  | 6048, 6072 (2), 5919, 6071 (2), 6026, 7326 (6)               | 1604 (4), 2524, 2531, 2567, 2590, 2683, 2775, 2802 |
| 4181                                | $2^2 : S_3 : S_3$         | 144   | 415800  | 6013, 6074 (2), 6047, 6073 (2), 6048, 7329 (6)               | 1606 (4), 2526, 2532, 2569, 2592, 2683, 2733, 2800 |
| 4182                                | $2^2 \times 6 : S_3$      | 144   | 1663200 | 6081, 6009, 6010, 7497, 7584 (3), 7932 (4)                   | 1662, 1663, 1688, 2684                             |
| 4183                                | $2^2 : S_3 \times S_3$    | 144   | 277200  | 6011, 6051, 6053, 7498 (3), 7774 (3), 7989 (4)               | 1665 (6), 1671 (3), 1947, 2515 (3), 2555, 2595 (3) |
| 4184                                | $2^2 \times 6 : S_3$      | 144   | 831600  | 6011, 6052, 6077, 7774, 7499 (3), 7960 (4)                   | 1666 (2), 1713, 1714 (2), 1947, 2557, 2595, 2685   |
| 4185                                | $2^2 \times 6 : S_3$      | 144   | 277200  | 6054, 6053, 6033, 7508 (3), 7572 (6), 7775 (3), 7991 (4)     | 1670 (3), 2052, 2555, 2594 (3), 2688 (3)           |
| 4186                                | $A_4 \times 2 \times S_3$ | 144   | 277200  | 6036, 6051, 6054, 7502, 7776 (3), 7992 (4)                   | 1672 (3), 2053, 2555, 2596 (3), 2708 (3)           |
| 4187                                | $A_4 \times 2 \times S_3$ | 144   | 277200  | 6017, 6055, 6059, 7292, 7595 (3), 7958 (4)                   | 1674 (3), 2032, 2534, 2599 (3), 2709 (3)           |
| 4188                                | $A_4 \times 2 \times S_3$ | 144   | 277200  | 6035, 6056, 6060, 7500, 7777 (3), 7994 (4)                   | 1675 (3), 2054, 2554, 2600 (3), 2711 (3)           |
| 4189                                | $2^2 : S_3 \times S_3$    | 144   | 277200  | 6055, 6057, 6019, 7597 (3), 7326 (3), 7995 (4)               | 1676 (3), 2031, 2534, 2601 (3), 2707 (3)           |
| 4190                                | $S_3 \times 2^2 : S_3$    | 144   | 277200  | 6034, 6058, 6056, 7503 (3), 7778 (3), 7996 (4)               | 1677 (3), 2055, 2554, 2602 (3), 2710 (3)           |
| 4191                                | $2^2 \times 6 : S_3$      | 144   | 277200  | 6058, 6032, 6060, 7579 (6), 7515 (3), 7779 (3), 7998 (4)     | 1678 (3), 2056, 2554, 2603 (3), 2713 (3)           |
| 4192                                | $A_4 \times 2 : S_3$      | 144   | 277200  | 6012, 6057, 6059, 7516 (3), 7259 (6), 7780 (3), 7997 (4)     | 1679 (3), 2033, 2534, 2604 (3), 2687 (3)           |
| 4193                                | $2^2 : S_3 \times S_3$    | 144   | 831600  | 6071, 6064, 6061, 6014, 6062, 6073, 5927, 7511 (3), 7507 (3) | 1680 (2), 1683 (2), 1939, 2605, 2608, 2683         |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                         |
| 4194                                | $D_8 \times 3 \times S_3$        | 144   | 831600  | 6064, 6074, 5928, 6061, 6066, 6072, 6015, 7482, 7509 (3)     | 1681 (2), 1682 (2), 1940, 2606, 2607, 2683 |
| 4195                                | $S_3 \times 4 : S_3$             | 144   | 831600  | 6015, 6072, 5927, 6073, 6067, 6069, 6070, 7513 (3), 7518 (3) | 1684 (2), 1687 (2), 2618, 2621, 2683       |
| 4196                                | $2^2 : S_3 \times S_3$           | 144   | 831600  | 6070, 6074, 5928, 6067, 6068, 6071, 6014, 7366 (3), 7516 (3) | 1685 (2), 1686 (2), 2619, 2620, 2683       |
| 4197                                | $2^2 : S_3 \times S_3$           | 144   | 1663200 | 6079, 6078, 6010, 7586 (3), 7587 (3), 8007 (4)               | 1691, 1692, 2684                           |
| 4198                                | $S_3 \times 2^2 : S_3$           | 144   | 831600  | 6038, 6077, 6051, 7531 (3), 7781 (3), 8007 (4)               | 1692 (2), 1744, 1945, 2560, 2595, 2708     |
| 4199                                | $A_4 \times 2 : S_3$             | 144   | 1663200 | 6009, 6076, 6079, 7529 (6), 7589 (3), 7588 (3), 8008 (4)     | 1693, 1694, 1711, 2684                     |
| 4200                                | $A_4 \times 2 : S_3$             | 144   | 831600  | 6052, 6053, 6038, 7530 (6), 7781 (3), 7532 (3), 8008 (4)     | 1694 (2), 1710, 1945, 2558, 2595, 2688     |
| 4201                                | $S_3 \times 2^2 : S_3$           | 144   | 1663200 | 6081, 6079, 6082, 7407 (3), 7590 (3), 7933 (4)               | 1697, 1698, 2684                           |
| 4202                                | $2^2 : S_3 \times S_3$           | 144   | 1663200 | 6081, 6078, 6076, 7591 (3), 7406 (3), 7937 (4)               | 1699, 1700, 2684                           |
| 4203                                | $A_4 \times 2 : S_3$             | 144   | 831600  | 6052, 6091, 6033, 7534 (6), 7533 (3), 7764 (3), 7987 (4)     | 1701 (2), 1702, 2042, 2545, 2685, 2688     |
| 4204                                | $A_4 \times 2 : S_3$             | 144   | 831600  | 6087, 6090, 6012, 7258 (6), 7593 (3), 7592 (3), 7987 (4)     | 1702, 1703, 2027, 2533, 2686, 2687         |
| 4205                                | $A_4 \times 3 \times 2 \times 2$ | 144   | 831600  | 6087, 6024, 6059, 7262 (2), 7594, 7595, 7961 (4)             | 1705, 1706, 2032, 2538, 2599, 2687         |
| 4206                                | $A_4 \times 3 \times 2 \times 2$ | 144   | 831600  | 6052, 6054, 6007, 7536 (2), 7776, 7538, 7961 (4)             | 1705, 2053, 2557, 2596, 2688               |
| 4207                                | $A_4 \times 2 \times S_3$        | 144   | 831600  | 6095, 6052, 6036, 7539, 7765 (3), 7988 (4)                   | 1707, 1709 (2), 2051, 2558, 2596, 2685     |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 4208                                | $2^2 \times 6 : S_3$        | 144   | 831600 | 6019, 6087, 6094, 7597, 7596 (3), 7988 (4)               | 1707, 1708, 2031, 2538, 2601, 2686                                   |
| 4209                                | $2^2 \times 6 : S_3$        | 144   | 831600 | 6087, 6021, 6057, 7598 (3), 7264 (6), 7599 (3), 8008 (4) | 1710, 1711, 2028, 2536, 2601, 2687                                   |
| 4210                                | $A_4 \times 2 \times S_3$   | 144   | 831600 | 6093, 6087, 6017, 7601, 7600 (3), 7960 (4)               | 1712, 1713, 2030, 2536, 2599, 2686                                   |
| 4211                                | $A_4 \times 2 \times 2 : 3$ | 144   | 277200 | 7603, 7605 (2), 7772, 8009 (8)                           | 1722, 2009, 2690, 2693 (3), 2701 (3)                                 |
| 4212                                | $A_4 \times 2 \times 2 : 3$ | 144   | 831600 | 7521 (2), 7604, 7782, 7894 (8)                           | 1723, 2689, 2694, 2702   |
| 4213                                | $A_4 \times 2 \times 2 : 3$ | 144   | 415800 | 7602 (2), 7606, 7783, 8010 (4), 7962 (4)                 | 1724, 2637, 2638, 2695, 2697, 2700, 2704, 2706                       |
| 4214                                | $2^3 \times 6 : 3$          | 144   | 138600 | 7603 (2), 7607, 7772, 8000 (8), 8010 (12)                | 1724, 2009, 2691, 2692 (3), 2696, 2698 (3), 2699 (3), 2703 (3), 2705 |
| 4215                                | $2^2 : S_3 \times S_3$      | 144   | 831600 | 6055, 6090, 6016, 7300 (3), 7593 (3), 7890 (4)           | 1740, 2027, 2533, 2707, 2709   |
| 4216                                | $S_3 \times 2^2 : S_3$      | 144   | 831600 | 6033, 6077, 6095, 7784 (3), 7610 (3), 8011 (4)           | 1741, 2050, 2560, 2594, 2685   |
| 4217                                | $2^2 : S_3 \times S_3$      | 144   | 831600 | 6012, 6093, 6094, 7611 (3), 7785 (3), 8011 (4)           | 1741, 2029, 2535, 2604, 2686   |
| 4218                                | $A_4 \times 2 \times S_3$   | 144   | 831600 | 6024, 6093, 6055, 7293, 7600 (3), 7959 (4)               | 1742, 2030, 2535, 2599, 2707   |
| 4219                                | $2^2 \times 6 : S_3$        | 144   | 831600 | 6006, 6077, 6054, 7775, 7612 (3), 7959 (4)               | 1742, 2052, 2557, 2594, 2708   |
| 4220                                | $2^2 : S_3 \times S_3$      | 144   | 831600 | 6055, 6021, 6094, 7308 (3), 7599 (3), 8012 (4)           | 1743, 2028, 2535, 2601, 2709   |
| 4221                                | $S_3 \times 2^2 : S_3$      | 144   | 831600 | 6006, 6053, 6095, 7613 (3), 7784 (3), 8012 (4)           | 1743, 2050, 2515, 2558, 2594   |
| 4222                                | $S_3 \times 2^2 : S_3$      | 144   | 831600 | 6016, 6057, 6093, 7614 (3), 7785 (3), 8007 (4)           | 1744, 2029, 2536, 2604, 2707   |

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|-------------------------------------|------------------------|-------|--------|--|------------------------------|
| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups           |
| 4223                                | $2^2 \times 6 : S_3$   | 144   | 831600 | 6059, 6094, 6016, 7780, 7369 (3), 7891 (4)               | 1747, 2033, 2538, 2604, 2709 |
| 4224                                | $2^2 : S_3 \times S_3$ | 144   | 831600 | 6056, 6092, 6037, 7621 (3), 7786 (3), 8013 (4)           | 1749, 2040, 2544, 2710, 2711 |
| 4225                                | $2^2 \times 6 : S_3$   | 144   | 831600 | 6096, 6032, 6092, 7490 (3), 7491 (6), 7786 (3), 8014 (4) | 1750, 2040, 2544, 2712, 2713 |
| 4226                                | $2^2 \times 6 : S_3$   | 144   | 831600 | 6057, 6090, 6024, 7265 (6), 7787 (3), 7624 (3), 8015 (4) | 1751, 2036, 2542, 2687, 2707 |
| 4227                                | $2^2 \times 6 : S_3$   | 144   | 831600 | 6038, 6091, 6054, 7622 (6), 7623 (3), 7479 (3), 8015 (4) | 1751, 2025, 2547, 2688, 2708 |
| 4228                                | $S_3 \times 2^2 : S_3$ | 144   | 831600 | 6017, 6094, 6090, 7787 (3), 7383 (3), 8016 (4)           | 1752, 2036, 2542, 2686, 2709 |
| 4229                                | $2^2 : S_3 \times S_3$ | 144   | 831600 | 6011, 6095, 6091, 7625 (3), 7403 (3), 8016 (4)           | 1752, 2024, 2515, 2547, 2685 |
| 4230                                | $2^2 : S_3 \times S_3$ | 144   | 831600 | 6035, 6092, 6097, 7629 (3), 7788 (3), 8017 (4)           | 1755, 2044, 2548, 2711, 2712 |
| 4231                                | $S_3 \times 2^2 : S_3$ | 144   | 831600 | 6034, 6092, 6098, 7630 (3), 7485 (3), 8017 (4)           | 1755, 2037, 2546, 2710, 2712 |
| 4232                                | $2^2 \times 6 : S_3$   | 144   | 831600 | 6092, 6058, 6040, 7631 (6), 7788 (3), 7633 (3), 8018 (4) | 1756, 2044, 2548, 2710, 2713 |
| 4233                                | $2^2 \times 6 : S_3$   | 144   | 831600 | 6092, 6039, 6060, 7261 (6), 7632 (3), 7486 (3), 8018 (4) | 1756, 2039, 2546, 2711, 2713 |
| 4234                                | $S_3 \times 2^2 : S_3$ | 144   | 831600 | 6036, 6091, 6077, 7634 (3), 7784 (3), 8019 (4)           | 1757, 2046, 2549, 2685, 2708 |
| 4235                                | $S_3 \times 2^2 : S_3$ | 144   | 831600 | 6019, 6090, 6093, 7485 (3), 7635 (3), 8019 (4)           | 1757, 2037, 2540, 2686, 2707 |
| 4236                                | $2^2 \times 6 : S_3$   | 144   | 831600 | 6091, 6053, 6007, 7636 (6), 7784 (3), 7638 (3), 8020 (4) | 1758, 2046, 2515, 2549, 2688 |

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| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups                                   |
| 4237                                | $2^2 \times 6 : S_3$             | 144   | 831600 | 6090, 6021, 6059, 7266 (6), 7382 (3), 7486 (3), 8020 (4)     | 1758, 2039, 2540, 2687, 2709                         |
| 4238                                | $A_4 \times 2 \times S_3$        | 144   | 831600 | 6035, 6096, 6098, 7527, 7789 (3), 8021 (4)                   | 1759, 2048, 2559, 2600, 2712                         |
| 4239                                | $2^2 \times 6 : S_3$             | 144   | 831600 | 6096, 6034, 6097, 7778, 7552 (3), 8021 (4)                   | 1759, 2055, 2556, 2602, 2712                         |
| 4240                                | $A_4 \times 3 \times 2 \times 2$ | 144   | 831600 | 6040, 6096, 6060, 7524 (2), 7777, 7525, 8022 (4)             | 1760, 2054, 2556, 2600, 2713                         |
| 4241                                | $A_4 \times 2 \times S_3$        | 144   | 831600 | 6056, 6040, 6098, 7639, 7789 (3), 8023 (4)                   | 1761, 2048, 2561, 2600, 2710                         |
| 4242                                | $2^2 \times 6 : S_3$             | 144   | 831600 | 6060, 6037, 6097, 7779, 7640 (3), 8023 (4)                   | 1761, 2056, 2556, 2603, 2711                         |
| 4243                                | $A_4 \times 2 : S_3$             | 144   | 831600 | 6096, 6058, 6039, 7563 (6), 7550 (3), 7790 (3), 8024 (4)     | 1762, 2047, 2559, 2602, 2713                         |
| 4244                                | $S_3 \times 2^2 : S_3$           | 144   | 831600 | 6098, 6037, 6058, 7641 (3), 7791 (3), 8025 (4)               | 1763, 2049, 2559, 2603, 2710                         |
| 4245                                | $2^2 : S_3 \times S_3$           | 144   | 831600 | 6039, 6056, 6097, 7790 (3), 7642 (3), 8025 (4)               | 1763, 2047, 2561, 2602, 2711                         |
| 4246                                | $2^2 : S_3 \times S_3$           | 144   | 831600 | 6098, 6032, 6097, 7791 (3), 7643 (3), 8026 (4)               | 1764, 2049, 2561, 2603, 2712                         |
| 4247                                | $2^2 : S_3 : S_3$                | 144   | 831600 | 5929, 6142, 6061, 6196, 6144, 6192, 5993, 7567 (3), 7481 (3) | 1941, 2605, 2607, 2717                               |
| 4248                                | $2^2 \times 6 : S_3$             | 144   | 831600 | 5994, 6147, 6061, 6191, 6144, 6198, 5930, 7507, 7568 (3)     | 1942, 2606, 2608, 2717                               |
| 4249                                | $D_8 \times 3 : S_3$             | 144   | 415800 | 6181, 6046, 6139, 6149, 5986, 6099, 6111, 7332 (6), 7331 (6) | 1951, 1952, 2564, 2609, 2718, 2719, 2720, 2721, 2722 |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                                 |
| 4250                                | $D_8 \times 3 : S_3$           | 144   | 415800 | 5987, 6099, 6150, 6193, 6142, 6112, 6062, 7569 (6), 7567 (6)                 | 1953, 1954, 2605 (2), 2719, 2723 (2)               |
| 4251                                | $D_8 \times 3 \times S_3$      | 144   | 831600 | 6151, 6144, 6099, 6197, 6064, 5988, 6114, 7511, 7568 (3)                     | 1955, 1956, 2605, 2606, 2718                       |
| 4252                                | $D_8 \times (3 \times 6)$      | 144   | 415800 | 6147, 6153, 6099, 6195, 5989, 6115, 6066, 7509 (2), 7510 (2)                 | 1957, 1958, 2606 (2), 2719, 2724 (2)               |
| 4253                                | $D_8 \times 3 \times S_3$      | 144   | 831600 | 6117, 6119, 6099, 5990, 6155, 6202, 5879, 7501, 7535 (3)                     | 1959, 1960, 2720, 2723, 2724                       |
| 4254                                | $D_8 \times 3 \times S_3$      | 144   | 831600 | 6120, 5881, 6122, 6157, 6099, 6203, 5991, 7512, 7570 (3)                     | 1961, 1962, 2722, 2723, 2724                       |
| 4255                                | $S_3 \times 2^2 \times S_3$    | 144   | 415800 | 6025, 6103, 6101 (2), 6130 (2), 6131 (4), 6100, 6102 (2), 6125 (2), 7334 (6) | 1976 (4), 2566, 2610, 2629, 2634, 2725, 2784, 2810 |
| 4256                                | $D_{12} \times S_3 : 2$        | 144   | 415800 | 5864 (2), 6025, 6105, 6104, 6134 (2), 9727 (9)                               | 1977 (4), 2571, 2630, 2634, 2726, 2744, 2777, 2801 |
| 4257                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 415800 | 5919, 5876 (2), 6029, 6126 (2), 6105, 9728 (9)                               | 1979 (4), 2571, 2631, 2633, 2728, 2750, 2778, 2802 |
| 4258                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 415800 | 6127 (2), 6100, 6029, 6135 (2), 5886, 9729 (9)                               | 1980 (4), 2610, 2631, 2635, 2729, 2748, 2785, 2812 |
| 4259                                | $S_3 \times 2^2 \times S_3$    | 144   | 415800 | 5865 (2), 6029, 6047, 6136 (4), 6128 (2), 6108 (2), 6107 (2), 6104, 7311 (6) | 1981 (4), 2571, 2632, 2635, 2730, 2759, 2776, 2800 |
| 4260                                | $S_3 \times 2^2 \times S_3$    | 144   | 415800 | 6129 (2), 6109 (2), 6137 (4), 6103, 6029, 6138 (2), 6106 (2), 5884, 7333 (6) | 1982 (4), 2610, 2632, 2633, 2731, 2752, 2786, 2811 |
| 4261                                | $2^2 : S_3 : S_3$              | 144   | 415800 | 6111, 6176 (2), 6013, 6110 (2), 6100, 7335 (6)                               | 1992, 2564, 2611, 2725, 2729, 2733, 2735, 2749     |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 4262                                | $S_3 \times 2^2 : S_3$         | 144   | 831600  | 6014, 6112, 6110, 6101, 6114, 6177, 6196, 7573 (3), 7368 (3) | 1993, 2605, 2619, 2725   |
| 4263                                | $D_8 \times 3 \times S_3$      | 144   | 831600  | 6114, 6198, 6015, 6115, 6110, 6180, 6102, 7513, 7574 (3)     | 1994, 2606, 2618, 2725   |
| 4264                                | $S_3 \times 2^2 \times S_3$    | 144   | 138600  | 6173 (6), 6168 (3), 6025 (3), 6114 (2), 6111, 7338 (6)       | 1995, 2563, 2612, 2718 (3), 2725 (3), 2727 (3), 2741 (3), 2744 |
| 4265                                | $D_8 \times 3 : S_3$           | 144   | 415800  | 6187, 6115, 6111, 6103, 6026, 6112, 6189, 7339 (6), 7340 (6) | 1997, 2567, 2613, 2719, 2725, 2731, 2736, 2760                 |
| 4266                                | $2^2 : S_3 : S_3$              | 144   | 415800  | 5884, 6119 (2), 6111, 6204 (2), 6027, 7336 (6)               | 1999, 2499, 2611, 2720, 2727, 2731, 2746, 2761                 |
| 4267                                | $2^2 : S_3 : S_3$              | 144   | 415800  | 6104, 6117 (2), 6046, 6205 (2), 6027, 7320 (6)               | 2000, 2587, 2720, 2726, 2730, 2734, 2743, 2755                 |
| 4268                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800  | 6028, 5886, 6111, 9730 (9)                                   | 2001, 2505, 2613, 2721, 2727, 2729, 2737, 2745                 |
| 4269                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800  | 6028, 6105, 6046, 9731 (9)                                   | 2002, 2588, 2721, 2726, 2728, 2738, 2742, 2747                 |
| 4270                                | $S_3 \times 2^2 \times S_3$    | 144   | 138600  | 6029 (3), 6206 (6), 6160 (3), 6046, 6122 (2), 7323 (6)       | 2003, 2589, 2722 (3), 2728 (3), 2730 (3), 2739 (3), 2748, 2752 |
| 4271                                | $S_3 \times 2^2 \times S_3$    | 144   | 138600  | 6029 (3), 6207 (6), 5894 (3), 6111, 6120 (2), 7337 (6)       | 2004, 2612, 2722 (3), 2729 (3), 2731 (3), 2740 (3), 2750, 2759 |
| 4272                                | $S_3 \times 2^2 : S_3$         | 144   | 831600  | 6120, 5902, 6030, 6119, 6112, 6208, 6106, 7577 (3), 7581 (3) | 2005, 2723, 2731, 2758   |
| 4273                                | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 6121, 6118, 6113, 7577 (3), 7578 (3), 8027 (4)               | 2005, 2757   |
| 4274                                | $2^2 : S_3 \times S_3$         | 144   | 831600  | 6062, 6030, 6107, 6117, 6122, 6209, 6210, 7583 (3), 7576 (3) | 2006, 2723, 2730, 2754   |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 4275                                | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 6080, 6116, 6123, 7576 (3), 7582 (3), 8028 (4)                               | 2006, 2753   |
| 4276                                | $D_8 \times 3 \times S_3$      | 144   | 831600  | 6066, 6031, 6108, 6117, 6122, 6211, 6212, 7506, 7395 (3)                     | 2007, 2724, 2730, 2751   |
| 4277                                | $D_8 \times 3 \times S_3$      | 144   | 831600  | 6120, 5905, 6031, 6119, 6115, 6213, 6109, 7514, 7575 (3)                     | 2008, 2724, 2731, 2756   |
| 4278                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 831600  | 6125, 5872, 6132, 5869, 6138, 6133, 6135, 9732 (9)                           | 2010 (2), 2012 (2), 2610, 2765, 2784                           |
| 4279                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 831600  | 6129, 6127, 6132, 6045, 6130, 6133, 5901, 9733 (9)                           | 2011 (2), 2013 (2), 2610, 2785, 2786                           |
| 4280                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 831600  | 5921, 5863, 6134, 6126, 6128, 5877, 6045, 9734 (9)                           | 2015 (2), 2016 (2), 2571, 2776, 2778                           |
| 4281                                | $2^2 \times 6 : S_3$           | 144   | 138600  | 6185 (3), 6183 (3), 6103 (3), 6142, 6167 (3), 6046, 6147, 7343 (6), 7344 (6) | 2021, 2566, 2615, 2717 (3), 2719 (3), 2738 (3), 2752, 2755 (3) |
| 4282                                | $2^2 : S_3 : S_3$              | 144   | 415800  | 6168, 6144 (2), 6046, 6182 (2), 5997, 7342 (6)                               | 2022, 2565, 2614, 2717, 2718, 2739, 2742, 2743                 |
| 4283                                | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 6065, 6141, 6143, 7483 (3), 7626 (3), 8016 (4)                               | 2023, 2586   |
| 4284                                | $S_3 \times 2^2 : S_3$         | 144   | 831600  | 6173, 6139, 6064, 6199, 6144, 6188, 5998, 7628 (3), 7483 (3)                 | 2023, 2607, 2608, 2718   |
| 4285                                | $D_8 \times 3 : S_3$           | 144   | 415800  | 6189, 6066, 6139, 6194, 5999, 6142, 6172, 7484 (6), 7625 (6)                 | 2024, 2607 (2), 2719, 2751 (2)                                 |
| 4286                                | $A_4 \times 2 : S_3$           | 144   | 1663200 | 6145, 6140, 6080, 7626 (6), 7622 (3), 7623 (3), 8029 (4)                     | 2025, 2753   |
| 4287                                | $A_4 \times 2 : S_3$           | 144   | 1663200 | 6146, 6141, 6063, 7622 (6), 7626 (3), 7628 (3), 8015 (4)                     | 2025, 2586   |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 4288                                | $2^2 \times 6 : S_3$           | 144   | 415800  | 6190, 6062, 6147, 6187, 6000, 6139, 6174, 7628 (6), 7623 (6)                 | 2025, 2608 (2), 2719, 2754 (2)                                 |
| 4289                                | $2^2 : S_3 : S_3$              | 144   | 831600  | 6073, 6151, 6110, 5995, 6150, 6178, 6192, 7611 (3), 7614 (3)                 | 2029, 2605, 2618, 2733   |
| 4290                                | $2^2 \times 6 : S_3$           | 144   | 831600  | 6153, 6191, 6074, 6151, 6110, 6179, 5996, 7516, 7369 (3)                     | 2033, 2606, 2619, 2733   |
| 4291                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800  | 5885, 6111, 6159, 9735 (9)   | 2034, 2499, 2609, 2735, 2736, 2737, 2740, 2741                 |
| 4292                                | $2^2 : S_3 : S_3$              | 144   | 415800  | 6048, 6151 (2), 5997, 6111, 6188 (2), 7346 (6)                               | 2035, 2567, 2616, 2718, 2733, 2740, 2745, 2746                 |
| 4293                                | $S_3 \times 2^2 : S_3$         | 144   | 831600  | 6070, 6149, 6151, 5998, 6114, 6182, 6199, 7624 (3), 7383 (3)                 | 2036, 2618, 2619, 2718   |
| 4294                                | $D_8 \times 3 : S_3$           | 144   | 415800  | 6183, 6115, 6149, 6000, 6194, 6150, 6069, 7635 (6), 7630 (6)                 | 2037, 2618 (2), 2719, 2756 (2)                                 |
| 4295                                | $2^2 \times 6 : S_3$           | 144   | 138600  | 6172 (3), 6174 (3), 6047 (3), 6111, 6153, 6167 (3), 6150, 7348 (6), 7347 (6) | 2038, 2563, 2617, 2719 (3), 2733 (3), 2737 (3), 2759, 2761 (3) |
| 4296                                | $A_4 \times 2 : S_3$           | 144   | 1663200 | 6148, 6113, 6152, 7266 (6), 7632 (3), 7261 (3), 8030 (4)                     | 2039, 2757   |
| 4297                                | $2^2 \times 6 : S_3$           | 144   | 415800  | 6068, 6153, 6149, 5999, 6190, 6112, 6185, 7632 (6), 7382 (6)                 | 2039, 2619 (2), 2719, 2758 (2)                                 |
| 4298                                | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 6148, 6118, 6154, 7621 (3), 7491 (3), 8031 (4)                               | 2040, 2757   |
| 4299                                | $2^2 : S_3 \times S_3$         | 144   | 831600  | 6205, 6119, 6149, 6001, 6155, 6214, 5892, 7621 (3), 7490 (3)                 | 2040, 2720, 2756, 2758   |

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| Nr.                                 | Structure                           | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 4300                                | $S_3 \times 2^2 \times S_3$         | 144   | 138600  | 6104 (3), 6215 (6),<br>5866 (3), 6155 (2),<br>6111, 7310 (6)                          | 2041, 2570, 2720 (3),<br>2735 (3), 2744, 2745<br>(3), 2759, 2760 (3) |
| 4301                                | $2^2 : S_3 \times S_3$              | 144   | 831600  | 6215, 5879, 6139,<br>6001, 6117, 6214,<br>6204, 7253 (3), 7533<br>(3)                 | 2042, 2720, 2751,<br>2754  |
| 4302                                | $2^2 : S_3 \times S_3$              | 144   | 1663200 | 6140, 5878, 6116,<br>7253 (3), 7534 (3),<br>8032 (4)                                  | 2042, 2753   |
| 4303                                | $3 : S_3 \cdot 2 \times 2 \times 2$ | 144   | 138600  | 5898 (3), 6105 (3),<br>6111, 9736 (9)   | 2043, 2617, 2721 (3),<br>2736 (3), 2744, 2746<br>(3), 2749 (3), 2750 |
| 4304                                | $S_3 \times 2^2 : S_3$              | 144   | 831600  | 6120, 5906, 6206,<br>6157, 6149, 6216,<br>6002, 7633 (3), 7629<br>(3)                 | 2044, 2722, 2756,<br>2758  |
| 4305                                | $S_3 \times 2^2 : S_3$              | 144   | 1663200 | 6121, 6156, 6148,<br>7629 (3), 7631 (3),<br>8033 (4)                                  | 2044, 2757   |
| 4306                                | $2^2 : S_3 : S_3$                   | 144   | 415800  | 6111, 6217 (2), 6160,<br>6157 (2), 5887, 7345<br>(6)                                  | 2045, 2505, 2616,<br>2722, 2741, 2749,<br>2760, 2761                 |
| 4307                                | $2^2 : S_3 \times S_3$              | 144   | 1663200 | 6123, 6140, 5880,<br>7634 (3), 7636 (3),<br>8034 (4)                                  | 2046, 2753   |
| 4308                                | $2^2 : S_3 \times S_3$              | 144   | 831600  | 6122, 6216, 6207,<br>6139, 5881, 6217,<br>6002, 7638 (3), 7634<br>(3)                 | 2046, 2722, 2751,<br>2754  |
| 4309                                | $2^2 : S_3 \times S_3$              | 144   | 1663200 | 6154, 6113, 6156,<br>7642 (3), 7563 (3),<br>8035 (4)                                  | 2047, 2757   |
| 4310                                | $S_3 \times 2^2 : S_3$              | 144   | 831600  | 6155, 6218, 6209,<br>6112, 6157, 5900,<br>6003, 7550 (3), 7642<br>(3)                 | 2047, 2723, 2758,<br>2760  |
| 4311                                | $S_3 \times 2^2 \times S_3$         | 144   | 277200  | 6107 (3), 6219 (3),<br>6220 (3), 5896 (3),<br>6120, 6155, 6150,<br>7527 (3), 7639 (3) | 2048, 2723 (3), 2756<br>(3), 2759                                    |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 4312                                | $2^2 : S_3 : S_3$              | 144   | 831600  | 6150, 6221, 6210, 6119, 6157, 6222, 5903, 7641 (3), 7643 (3)                 | 2049, 2723, 2756, 2761                   |
| 4313                                | $2^2 : S_3 : S_3$              | 144   | 831600  | 6219, 5881, 6117, 6222, 6142, 6208, 6003, 7613 (3), 7610 (3)                 | 2050, 2723, 2751, 2755                   |
| 4314                                | $S_3 \times 2^2 \times S_3$    | 144   | 277200  | 6220 (3), 6218 (3), 6106 (3), 5879, 6122, 6221 (3), 6142, 7254 (3), 7539 (3) | 2051, 2723 (3), 2751 (3), 2752           |
| 4315                                | $2^2 \times 6 : S_3$           | 144   | 831600  | 6117, 6223, 6224, 5881, 6147, 6213, 6004, 7508, 7612 (3)                     | 2052, 2724, 2754, 2755                   |
| 4316                                | $2^2 \times 6 : S_3$           | 144   | 1663200 | 6116, 6145, 5880, 7572, 7612 (3), 8036 (4)                                   | 2052, 2753                               |
| 4317                                | $2^2 \times 6 \times S_3$      | 144   | 277200  | 6225 (3), 6226 (3), 6227 (3), 6109 (3), 6122, 5879, 6147, 7502, 7538 (3)     | 2053, 2724 (3), 2752, 2754 (3)           |
| 4318                                | $A_4 \times 2 \times S_3$      | 144   | 554400  | 5878, 6145, 6123, 7502, 7536 (3), 8037 (4)                                   | 2053, 2753 (3)                           |
| 4319                                | $2^2 \times 6 \times S_3$      | 144   | 277200  | 6108 (3), 5895 (3), 6225 (3), 6224 (3), 6120, 6153, 6155, 7500, 7525 (3)     | 2054, 2724 (3), 2758 (3), 2759           |
| 4320                                | $A_4 \times 2 \times S_3$      | 144   | 554400  | 6152, 6154, 6121, 7500, 7524 (3), 8038 (4)                                   | 2054, 2757 (3)                           |
| 4321                                | $D_8 \times 3 \times S_3$      | 144   | 831600  | 6155, 5899, 6211, 6157, 6115, 6227, 6004, 7503, 7552 (3)                     | 2055, 2724, 2756, 2760                   |
| 4322                                | $2^2 \times 6 : S_3$           | 144   | 831600  | 6153, 6223, 6212, 6157, 6119, 6226, 5904, 7515, 7640 (3)                     | 2056, 2724, 2758, 2761                   |
| 4323                                | $2^2 \times 6 : S_3$           | 144   | 1663200 | 6152, 6118, 6156, 7579, 7640 (3), 8039 (4)                                   | 2056, 2757                               |
| 4324                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 415800  | 5922, 5868 (2), 6132 (2), 5884, 6159, 9737 (9)                               | 2499, 2573, 2763, 2765, 2780, 2781, 2786 |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4325                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800 | 6027, 5885, 5922, 9735 (9)   | 2499, 2576, 2734, 2762, 2764, 2791, 2795 |
| 4326                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 415800 | 6025, 5869 (2), 6175 (2), 6160, 6159, 9738 (9)   | 2500, 2589, 2741, 2765, 2784, 2801, 2808 |
| 4327                                | $2^2 : S_3 : S_3$              | 144   | 415800 | 6212 (2), 6027, 6047, 6210 (2), 6160, 7330 (6)   | 2500, 2592, 2730, 2761, 2764, 2797, 2813 |
| 4328                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800 | 6028, 6159, 6047, 9725 (9)   | 2500, 2588, 2737, 2763, 2782, 2800, 2806 |
| 4329                                | $2^2 \cdot S_3 : S_3$          | 144   | 415800 | 6167, 6222 (2), 6027, 6223 (2), 5887, 7355 (6)   | 2501, 2625, 2755, 2761, 2762, 2793, 2814 |
| 4330                                | $D_{12} \times S_3 \cdot 2$    | 144   | 415800 | 5887, 6168, 6159, 9739 (9)   | 2501, 2614, 2741, 2763, 2783, 2804, 2809 |
| 4331                                | $D_{12} \times S_3 \cdot 2$    | 144   | 415800 | 5886, 6168, 6027, 9739 (9)   | 2501, 2627, 2727, 2743, 2764, 2796, 2812 |
| 4332                                | $2 \times 6 : S_3 \cdot 2$     | 144   | 415800 | 6167, 5886, 5870 (2), 6159, 6133 (2), 9740 (9)   | 2501, 2615, 2737, 2765, 2785, 2805, 2807 |
| 4333                                | $D_{12} \times S_3 : 2$        | 144   | 415800 | 6168, 5884, 6161 (4), 6028, 9741 (9)   | 2504, 2622, 2727, 2742, 2763, 2811, 2820 |
| 4334                                | $S_3 \times 2^2 \times S_3$    | 144   | 415800 | 6167, 6164 (2), 5884, 6226 (2), 6138 (2), 6160, 6221 (2), 5873 (2), 6166 (2), 7290 (6) | 2504, 2623, 2752, 2761, 2765, 2815, 2819 |
| 4335                                | $2 \times 6 : S_3 \cdot 2$     | 144   | 415800 | 6167, 5885, 6163 (2), 6028, 6165 (2), 9742 (9)   | 2504, 2624, 2737, 2738, 2762, 2790, 2816 |
| 4336                                | $D_{12} \times S_3 : 2$        | 144   | 415800 | 6168, 5885, 6162 (4), 6160, 9743 (9)   | 2504, 2626, 2739, 2741, 2764, 2799, 2817 |
| 4337                                | $D_{12} \times S_3 \cdot 2$    | 144   | 415800 | 5887, 5922, 6028, 9730 (9)   | 2505, 2577, 2747, 2762, 2763, 2787, 2794 |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                             |
| 4338                                | $D_{12} \times S_3 : 2$        | 144   | 415800 | 5922, 5886, 6135 (2),<br>6160, 5874 (2), 9744<br>(9)   | 2505, 2578, 2748,<br>2764, 2765, 2788,<br>2798 |
| 4339                                | $D_{24} : S_3$                 | 144   | 415800 | 6026, 6180 (2), 6168,<br>6177 (2), 6100, 7349<br>(6)   | 2565, 2622, 2725,<br>2775, 2783, 2812,<br>2817 |
| 4340                                | $S_3 \times 2^2 \times S_3$    | 144   | 415800 | 6167, 6130 (2), 6169<br>(2), 6178 (2), 6179<br>(2), 6184 (2), 6186<br>(2), 6100, 6048, 7351<br>(6) | 2566, 2623, 2733,<br>2775, 2785, 2814,<br>2816 |
| 4341                                | $2^2 \cdot S_3 : S_3$          | 144   | 415800 | 6191 (2), 6192 (2),<br>6167, 6013, 5997,<br>7354 (6)   | 2568, 2625, 2717,<br>2733, 2790, 2805,<br>2815 |
| 4342                                | $2 \times 12 : S_3$            | 144   | 415800 | 6026, 6167, 6193,<br>5986, 6195, 6194,<br>6190, 7352 (6), 7353<br>(6)                              | 2568, 2624, 2719,<br>2775, 2793, 2807,<br>2819 |
| 4343                                | $D_{24} : S_3$                 | 144   | 415800 | 6048, 6199 (2), 6168,<br>6197 (2), 5986, 7357<br>(6)   | 2569, 2626, 2718,<br>2775, 2796, 2809,<br>2820 |
| 4344                                | $2^2 : S_3 : S_3$              | 144   | 415800 | 6103, 6196 (2), 6168,<br>6198 (2), 6013, 7358<br>(6)   | 2569, 2627, 2717,<br>2725, 2799, 2804,<br>2811 |
| 4345                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800 | 5890, 6104, 5863 (2),<br>5922, 6170 (2), 9745<br>(9)   | 2570, 2734, 2776,<br>2777, 2780, 2787,<br>2788 |
| 4346                                | $S_3 \times 2^2 \times S_3$    | 144   | 415800 | 6167, 5865 (2), 5894,<br>6228 (2), 6219 (2),<br>6104, 6229 (2), 6224<br>(2), 6171 (2), 7312<br>(6) | 2572, 2755, 2759,<br>2777, 2805, 2816,<br>2819 |
| 4347                                | $S_3 \times S_3 : 2 \times 2$  | 144   | 831600 | 5923, 5876, 6134,<br>5863, 6200, 6171,<br>5891, 9746 (9)   | 2572, 2777, 2778                               |
| 4348                                | $D_{12} \times S_3 : 2$        | 144   | 415800 | 6168, 5898, 6134 (2),<br>6104, 5867 (2), 9747<br>(9)   | 2572, 2743, 2744,<br>2776, 2804, 2817,<br>2820 |
| 4349                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800 | 6159, 5866, 6170 (2),<br>6100, 6132 (2), 9748<br>(9)   | 2573, 2735, 2779,<br>2782, 2783, 2784,<br>2785 |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4350                                | $S_3 \times S_3 : 2 \times 2$  | 144   | 415800 | 6168, 5897 (2), 6134 (2), 6105, 5866, 9749 (9)   | 2574, 2742, 2744, 2778, 2783, 2796, 2799 |
| 4351                                | $S_3 \times S_3 : 2 \times 2$  | 144   | 415800 | 5922, 5876 (2), 6105, 6201 (2), 5894, 9750 (9)   | 2574, 2747, 2750, 2777, 2781, 2795, 2798 |
| 4352                                | $D_{12} \times S_3 : 2$        | 144   | 831600 | 6169, 5877, 6134, 5865, 6201, 6170, 5891, 9751 (9)   | 2574, 2776, 2777                         |
| 4353                                | $D_{12} \times S_3 : 2$        | 144   | 415800 | 5868, 5923, 6045, 6126, 5897, 6129, 6200, 9752 (9)   | 2575, 2778 (2), 2786 (2)                 |
| 4354                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800 | 5870, 6169, 6170, 6128, 6127, 5867, 6045, 9753 (9)   | 2575, 2776 (2), 2785 (2)                 |
| 4355                                | $D_{12} \times S_3 : 2$        | 144   | 415800 | 5874, 5922, 6127, 6126, 6201, 6029, 5898, 9754 (9)   | 2575, 2748, 2750, 2776, 2786, 2791, 2794 |
| 4356                                | $S_3 \times 2^2 \times S_3$    | 144   | 415800 | 5873, 6129, 6167, 6220 (2), 6230 (2), 5866, 6128, 6029, 6225 (2), 6231 (2), 6171, 7315 (6) | 2575, 2752, 2759, 2778, 2785, 2790, 2793 |
| 4357                                | $D_{12} \times S_3 : 2$        | 144   | 415800 | 5869, 6125, 6170, 5864, 6201, 6171, 6200, 9755 (9)   | 2575, 2777 (2), 2784 (2)                 |
| 4358                                | $S_3 \times 4 \times S_3$      | 144   | 415800 | 6027, 6202 (2), 5986, 6214 (2), 5866, 7316 (6)   | 2576, 2720, 2779, 2792, 2793, 2796, 2797 |
| 4359                                | $Q_{12} : S_3 : 2$             | 144   | 415800 | 6028, 5997, 5866, 9756 (9)   | 2577, 2742, 2745, 2782, 2789, 2790, 2792 |
| 4360                                | $D_{12} \times S_3 : 2$        | 144   | 831600 | 5874, 5923, 5901, 5868, 6175, 6138, 6133, 9757 (9)   | 2578, 2765, 2786                         |
| 4361                                | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 831600 | 6171, 5867, 6130, 6170, 6175, 6135, 6133, 9758 (9)   | 2578, 2784, 2785                         |
| 4362                                | $S_3 \times 2^2 \times S_3$    | 144   | 415800 | 5866, 6218 (2), 6171 (2), 6138 (2), 6227 (2), 6232 (4), 6103, 6160, 7318 (6)               | 2578, 2752, 2760, 2784, 2789, 2797, 2799 |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4363                                | $Q_{12} : S_3 : 2$                 | 144   | 415800 | 6104, 6159, 6013, 9759 (9)                                   | 2587, 2735, 2780, 2800, 2801, 2804, 2805 |
| 4364                                | $3 : S_3 \cdot 2 \times 2 \cdot 2$ | 144   | 415800 | 6159, 6026, 6105, 9760 (9)                                   | 2588, 2736, 2781, 2783, 2801, 2802, 2807 |
| 4365                                | $D_{12} \times S_3 : 2$            | 144   | 415800 | 6045 (2), 6029, 6175 (2), 6048, 6159, 9761 (9)               | 2589, 2740, 2785, 2786, 2800, 2802, 2809 |
| 4366                                | $D_{24} : S_3$                     | 144   | 415800 | 6160, 6209 (2), 6104, 6211 (2), 6026, 7325 (6)               | 2590, 2730, 2760, 2788, 2801, 2817, 2819 |
| 4367                                | $D_{12} \times S_3 : 2$            | 144   | 415800 | 6048, 6028, 6233 (4), 6104, 9762 (9)                         | 2590, 2726, 2745, 2787, 2800, 2816, 2820 |
| 4368                                | $D_{12} \times S_3 \cdot 2$        | 144   | 415800 | 6027, 6048, 6105, 9763 (9)                                   | 2592, 2726, 2746, 2795, 2796, 2802, 2814 |
| 4369                                | $D_{12} \times S_3 \cdot 2$        | 144   | 415800 | 6013, 6160, 6105, 9764 (9)                                   | 2592, 2728, 2749, 2798, 2799, 2801, 2815 |
| 4370                                | $D_{24} : S_3$                     | 144   | 831600 | 6071, 6197, 5985, 6177, 6193, 6178, 5929, 7614 (3), 7682 (3) | 2605, 2620, 2775                         |
| 4371                                | $2 \times 12 : S_3$                | 144   | 831600 | 6179, 5985, 5930, 6197, 6072, 6180, 6195, 7518, 7574 (3)     | 2606, 2621, 2775                         |
| 4372                                | $D_{24} : S_3$                     | 144   | 831600 | 5929, 6194, 6072, 6199, 6180, 6178, 5992, 7635 (3), 7487 (3) | 2607, 2618, 2775                         |
| 4373                                | $S_3 \times 4 : S_3$               | 144   | 831600 | 6173, 6189, 6015, 6196, 6180, 6176, 6101, 7489 (3), 7687 (3) | 2607, 2621, 2725                         |
| 4374                                | $2^2 : S_3 : S_3$                  | 144   | 831600 | 6172, 6192, 6074, 6188, 6176, 6178, 5996, 7488 (3), 7688 (3) | 2607, 2620, 2733                         |
| 4375                                | $2^2 : S_3 \times S_3$             | 144   | 831600 | 6173, 6176, 6198, 6102, 6014, 6187, 6177, 7693 (3), 7689 (3) | 2608, 2620, 2725                         |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups                             |
| 4376                                | $S_3 \times 2^2 : S_3$              | 144   | 831600 | 6071, 6199, 5930,<br>6190, 6177, 6179,<br>5992, 7624 (3), 7384<br>(3) | 2608, 2619, 2775                               |
| 4377                                | $2^2 \cdot S_3 : S_3$               | 144   | 831600 | 6174, 6176, 6191,<br>5995, 6073, 6188,<br>6179, 7693 (3), 7690<br>(3) | 2608, 2621, 2733                               |
| 4378                                | $3 : S_3 \cdot 2 \times 2 \cdot 2$  | 144   | 415800 | 5890, 6159, 5986,<br>9765 (9)   | 2609, 2779, 2780,<br>2806, 2807, 2808,<br>2809 |
| 4379                                | $Q_{12} : S_3 : 2$                  | 144   | 415800 | 5890, 6027, 6100,<br>9766 (9)   | 2611, 2734, 2779,<br>2810, 2812, 2813,<br>2814 |
| 4380                                | $D_{12} \times S_3 : 2$             | 144   | 415800 | 6045 (2), 6029, 5891<br>(2), 6168, 5890, 9767<br>(9)                  | 2612, 2739, 2776,<br>2778, 2809, 2811,<br>2812 |
| 4381                                | $3 : S_3 \cdot 2 \times 2 : 2$      | 144   | 415800 | 5890, 6028, 6103,<br>9768 (9)   | 2613, 2738, 2787,<br>2789, 2806, 2810,<br>2811 |
| 4382                                | $D_{12} \times S_3 \cdot 2$         | 144   | 415800 | 5997, 5894, 6159,<br>9769 (9)   | 2614, 2740, 2781,<br>2782, 2803, 2805,<br>2808 |
| 4383                                | $3 : S_3 \cdot 2 \times 2 \times 2$ | 144   | 415800 | 5898, 6103, 6133 (2),<br>6159, 6200 (2), 9770<br>(9)                  | 2615, 2736, 2784,<br>2786, 2803, 2804,<br>2806 |
| 4384                                | $Q_{12} : S_3 : 2$                  | 144   | 415800 | 5890, 5997, 6160,<br>9771 (9)   | 2616, 2739, 2788,<br>2789, 2808, 2813,<br>2815 |
| 4385                                | $3 : S_3 \cdot 2 \times 2 \times 2$ | 144   | 415800 | 5877 (2), 6105, 6167,<br>6200 (2), 5890, 9772<br>(9)                  | 2617, 2738, 2777,<br>2778, 2807, 2814,<br>2815 |
| 4386                                | $2^2 : S_3 : S_3$                   | 144   | 831600 | 6192, 6182, 5929,<br>6067, 6198, 5994,<br>6183, 7611 (3), 7682<br>(3) | 2618, 2620, 2717                               |
| 4387                                | $S_3 \times 2^2 : S_3$              | 144   | 831600 | 6185, 6067, 5930,<br>6196, 5993, 6182,<br>6191, 7573 (3), 7367<br>(3) | 2619, 2621, 2717                               |
| 4388                                | $S_3 \times 4 : S_3$                | 144   | 831600 | 6070, 6188, 6173,<br>6182, 6181, 6197,<br>5988, 7690 (3), 7689<br>(3) | 2620, 2621, 2718                               |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4389                                | $D_8 \times 3 : S_3$               | 144   | 415800 | 6181, 6172, 6068, 6187, 6193, 5989, 6183, 7688 (6), 7686 (6) | 2620 (2), 2719, 2821 (2)                 |
| 4390                                | $2 \times 12 : S_3$                | 144   | 415800 | 6189, 6174, 6069, 6181, 6185, 5987, 6195, 7685 (6), 7687 (6) | 2621 (2), 2719, 2822 (2)                 |
| 4391                                | $D_{12} \times S_3 : 2$            | 144   | 415800 | 6100, 6028, 6234 (4), 5894, 9773 (9)                         | 2622, 2729, 2747, 2782, 2810, 2816, 2818 |
| 4392                                | $D_{12} \times S_3 : 2$            | 144   | 831600 | 5873, 6169, 6175, 5870, 5901, 6132, 6135, 9774 (9)           | 2623, 2765, 2785                         |
| 4393                                | $S_3 \times S_3 : 2 \times 2$      | 144   | 415800 | 6201 (2), 6100, 5898, 6135 (2), 6160, 9775 (9)               | 2623, 2748, 2749, 2784, 2813, 2817, 2818 |
| 4394                                | $S_3 \times S_3 : 2 \times 2$      | 144   | 831600 | 6200, 6201, 6132, 5897, 6130, 6138, 6175, 9776 (9)           | 2623, 2784, 2786                         |
| 4395                                | $3 : S_3 \cdot 2 \times 2 \cdot 2$ | 144   | 415800 | 5986, 6028, 5898, 9777 (9)                                   | 2624, 2721, 2792, 2794, 2806, 2818, 2820 |
| 4396                                | $Q_{12} : S_3 \cdot 2$             | 144   | 415800 | 6027, 5997, 5898, 9778 (9)                                   | 2625, 2743, 2746, 2791, 2792, 2803, 2813 |
| 4397                                | $D_{24} : S_3$                     | 144   | 415800 | 5986, 6216 (2), 5894, 6203 (2), 6160, 7356 (6)               | 2626, 2722, 2797, 2798, 2808, 2818, 2819 |
| 4398                                | $2^2 : S_3 : S_3$                  | 144   | 415800 | 6027, 6208 (2), 5894, 6213 (2), 6103, 7359 (6)               | 2627, 2731, 2755, 2795, 2797, 2803, 2810 |
| 4399                                | $D_{24} \times S_3$                | 144   | 831600 | 6205, 6204, 6181, 5990, 6215, 6202, 5892, 7547 (3), 7492 (3) | 2720, 2821, 2822                         |
| 4400                                | $S_3 \times 4 : S_3$               | 144   | 831600 | 6207, 5906, 6206, 6217, 6181, 6203, 5991, 7691 (3), 7692 (3) | 2722, 2821, 2822                         |
| 4401                                | $D_{24} : S_3$                     | 144   | 831600 | 6219, 6221, 6209, 5902, 6203, 6193, 5990, 7707 (3), 7704 (3) | 2723, 2819, 2821                         |

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| Nr.                                 | Structure                 | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 4402                                | $S_3 \times 4 : S_3$      | 144   | 831600 | 5896, 6218, 6210,<br>6208, 6203, 6202,<br>5987, 7559 (3), 7678<br>(3) | 2723, 2797, 2822   |
| 4403                                | $S_3 \times 4 \times S_3$ | 144   | 831600 | 6220, 6202, 6030,<br>6193, 6222, 5900,<br>5991, 7673 (3), 7555<br>(3) | 2723, 2793, 2821   |
| 4404                                | $2 \times 12 \times S_3$  | 144   | 831600 | 6031, 6223, 6225,<br>5899, 6195, 6202,<br>5991, 7504, 7557 (3)        | 2724, 2793, 2822   |
| 4405                                | $2 \times 12 : S_3$       | 144   | 831600 | 6211, 6226, 6224,<br>5905, 6195, 6203,<br>5990, 7517, 7703 (3)        | 2724, 2819, 2822   |
| 4406                                | $D_8 \times 3 \times S_3$ | 144   | 831600 | 6212, 6213, 5895,<br>6227, 6203, 6202,<br>5989, 7505, 7560 (3)        | 2724, 2797, 2821   |
| 4407                                | $D_{24} \times S_3$       | 144   | 831600 | 6069, 6205, 6107,<br>6031, 6211, 6206,<br>6210, 7681 (3), 7494<br>(3) | 2730, 2756, 2822   |
| 4408                                | $S_3 \times 2^2 : S_3$    | 144   | 831600 | 6068, 6209, 6108,<br>6206, 6205, 6030,<br>6212, 7493 (3), 7680<br>(3) | 2730, 2758, 2821   |
| 4409                                | $S_3 \times 4 : S_3$      | 144   | 831600 | 6207, 6208, 6031,<br>6189, 6204, 5905,<br>6106, 7695 (3), 7696<br>(3) | 2731, 2751, 2822   |
| 4410                                | $S_3 \times 2^2 : S_3$    | 144   | 831600 | 6207, 6213, 6030,<br>6187, 6204, 5902,<br>6109, 7697 (3), 7694<br>(3) | 2731, 2754, 2821   |
| 4411                                | $2^2 : S_3 : S_3$         | 144   | 831600 | 6221, 5904, 6172,<br>6217, 6212, 6204,<br>6222, 7700 (3), 7699<br>(3) | 2751, 2761, 2821   |
| 4412                                | $S_3 \times 4 \times S_3$ | 144   | 831600 | 6031, 6194, 6220,<br>6214, 6222, 5899,<br>6002, 7256 (3), 7556<br>(3) | 2751, 2756, 2793   |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 4413                                | $S_3 \times 4 : S_3$        | 144   | 831600 | 6218, 6003, 6215, 6217, 6211, 6189, 5899, 7553 (3), 7255 (3)   | 2751, 2760, 2822   |
| 4414                                | $D_{24} : S_3$              | 144   | 831600 | 6221, 6001, 6219, 6216, 6211, 5905, 6194, 7702 (3), 7708 (3)   | 2751, 2756, 2819   |
| 4415                                | $S_3 \times 2^2 \times S_3$ | 144   | 831600 | 6220, 5893 (2), 6136 (2), 6228 (2), 6230 (2), 5895, 6207, 6172, 6108, 6215, 6219, 7252 (3), 7545 (3) | 2751, 2759, 2821   |
| 4416                                | $S_3 \times 2^2 : S_3$      | 144   | 831600 | 6218, 5999, 5895, 6216, 6212, 6208, 6214, 7257 (3), 7558 (3)   | 2751, 2758, 2797   |
| 4417                                | $S_3 \times 2^2 \times S_3$ | 144   | 831600 | 6225, 6164 (2), 6230 (2), 6232 (2), 6137 (2), 6218, 6106, 6226, 6206, 5892, 6185, 7669 (3), 7549 (3) | 2752, 2758, 2822   |
| 4418                                | $S_3 \times 2^2 \times S_3$ | 144   | 831600 | 6220, 6166 (2), 6231 (2), 6232 (2), 6137 (2), 6227, 6109, 6221, 6206, 5892, 6183, 7670 (3), 7548 (3) | 2752, 2756, 2821   |
| 4419                                | $S_3 \times 2^2 : S_3$      | 144   | 831600 | 6226, 5903, 6174, 6217, 6210, 6204, 6223, 7698 (3), 7701 (3)   | 2754, 2761, 2822   |
| 4420                                | $S_3 \times 2^2 \cdot S_3$  | 144   | 831600 | 6030, 6190, 6225, 6214, 6223, 5900, 6002, 7554 (3), 7674 (3)   | 2754, 2758, 2793   |
| 4421                                | $S_3 \times 2^2 : S_3$      | 144   | 831600 | 6227, 6004, 6215, 6217, 6209, 6187, 5900, 7671 (3), 7551 (3)   | 2754, 2760, 2821   |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups      |
| 4422                                | $S_3 \times 2^2 : S_3$         | 144   | 831600  | 6226, 6001, 6224, 6216, 6209, 5902, 6190, 7706 (3), 7705 (3)   | 2754, 2758, 2819        |
| 4423                                | $S_3 \times 2^2 \times S_3$    | 144   | 831600  | 6225, 5893 (2), 6136 (2), 6229 (2), 6231 (2), 5896, 6207, 6174, 6107, 6215, 6224, 7546 (3), 7528 (3) | 2754, 2759, 2822        |
| 4424                                | $2^2 : S_3 \times S_3$         | 144   | 831600  | 6227, 6000, 5896, 6216, 6210, 6213, 6214, 7561 (3), 7679 (3)   | 2754, 2756, 2797        |
| 4425                                | $2^2 : S_3 : S_3$              | 144   | 831600  | 6183, 6004, 6219, 5906, 6205, 6213, 6222, 7495 (3), 7684 (3)   | 2755, 2756, 2821        |
| 4426                                | $S_3 \times 2^2 : S_3$         | 144   | 831600  | 6185, 6003, 6224, 5906, 6205, 6208, 6223, 7683 (3), 7496 (3)   | 2755, 2758, 2822        |
| 4427                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 1663200 | 6163, 6186, 6234, 6228, 6005, 5910, 6233, 9779 (9)   | 2816                    |
| 4428                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 1663200 | 6165, 6184, 5910, 6229, 6233, 6234, 6005, 9780 (9)   | 2816                    |
| 4429                                | $35 : 2 \cdot 2$               | 140   | 570240  | 6235, 9093 (5), 9539 (7)   | 1265, 2061, 2823        |
| 4430                                | $35 : 2 : 2$                   | 140   | 570240  | 6236, 6237, 6235, 9094 (5), 9540 (7)   | 1266, 2062, 2823        |
| 4431                                | $35 : 2 \cdot 2$               | 140   | 570240  | 6235, 9092 (5), 9541   | 1267, 2063, 2823        |
| 4432                                | $2^{1+4} : 2^2$                | 128   | 1871100 | 6264, 6243, 6240, 6238, 6242, 6241, 6239   | 202 (2), 2087 (2), 2941 |
| 4433                                | $D_8 \times (D_{16})$          | 128   | 1871100 | 6246, 6615, 6616, 6247, 6248, 6488, 6487, 6251, 6250, 6489, 6486, 6249, 6617, 6618, 6333             | 524 (2), 2088, 2936     |

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| Nr.                                 | Structure                    | Order | Length  | Maximal Subgroups  |  |  | Minimal Overgroups                         |
| 4434                                | $2^{1+4} : 2^2$              | 128   | 1871100 | 6314,<br>6282,<br>6454   | 6619,<br>6453,<br>6620,  | 6281,<br>6620,   | 972, 973, 2824                             |
| 4435                                | $2^{1+4} : 2^2$              | 128   | 935550  | 6309,<br>6332,<br>6253   | 6380,<br>6348,<br>6423,  | 6288,<br>6423,   | 976, 2084, 2126 (2),<br>2826, 2827, 2828   |
| 4436                                | $2^{1+4} : 2^2$              | 128   | 155925  | 6339,<br>6332,<br>6274   | 6425,<br>6424,   | 6381,<br>6385,   | 977, 2085, 2127 (4),<br>2827 (6), 2829 (3) |
| 4437                                | $2^{1+4} : 2^2$              | 128   | 467775  | 6458,<br>6332,<br>6255   | 6485,<br>6484,   | 6621,<br>6622,   | 981, 2086, 2828 (2),<br>2829, 2831 (2)     |
| 4438                                | $2^{1+4} : 2^2$              | 128   | 935550  | 6309,<br>6449,<br>6253   | 6623,<br>6291,   | 6624,<br>6625,   | 982, 2826, 2832, 2842                      |
| 4439                                | $2^{1+4} : 2^2$              | 128   | 935550  | 6339,<br>6376,<br>6253   | 6434,<br>6436,   | 6433,<br>6435,   | 983, 2130 (2), 2827,<br>2832, 2843         |
| 4440                                | $D_8 \times 2^2 : 2 \cdot 2$ | 128   | 935550  | 6253,<br>6627,<br>6629   | 6626,<br>6341,   | 6255,<br>6628,   | 984, 2828, 2832, 2844                      |
| 4441                                | $2^{1+4} : 2^2$              | 128   | 1871100 | 6343,<br>6631,<br>6633   | 6630,<br>6254,   | 6450,<br>6632,   | 985, 2837                                  |
| 4442                                | $2^{1+4} : 2^2$              | 128   | 467775  | 6339,<br>6449,<br>6255   | 6634,<br>6636,   | 6635,<br>6637,   | 986, 2829, 2832 (2),<br>2840 (2)           |
| 4443                                | $2^{1+4} : 2^2$              | 128   | 935550  | 6309,<br>6376,<br>6255   | 6638,<br>6294,   | 6639,<br>6640,   | 988, 2828, 2832, 2841                      |
| 4444                                | $D_8 \times (D_8 \times 2)$  | 128   | 1871100 | 6257,<br>6280,<br>6272,<br>6263,<br>6252,<br>6267,<br>6269,<br>6273,<br>6301,<br>6275,<br>6270 | 6261,<br>6283,<br>6266,<br>6265,<br>6284,<br>6260,<br>6285,<br>6276,<br>6259,<br>6286, | 6268,<br>6277,<br>6262,<br>6315,<br>6256,<br>6258,<br>6278,<br>6271,<br>6264,<br>6279, | 1012 (2), 2103, 2104,<br>2232, 2855        |

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|-------------------------------------|---------------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                             | Order | Length  | Maximal Subgroups                        | Minimal Overgroups                                 |
| 4445                                | $8 : 2 : 2 : 2 \times 2$              | 128   | 467775  | 6290, 6281 (4), 6641, 6642               | 1013 (2), 2824, 2833, 2834, 2856, 2911, 2984, 2989 |
| 4446                                | $2^{1+4} : 2^2$                       | 128   | 935550  | 6309, 6428, 6293, 6376, 6427, 6426, 6274 | 1024, 2128 (2), 2827, 2841, 2842                   |
| 4447                                | $D_8 \times 2^2 : 2 \cdot 2$          | 128   | 935550  | 6341, 6432, 6253, 6429, 6274, 6430, 6431 | 1025, 2129 (2), 2827, 2842, 2844                   |
| 4448                                | $2^{1+4} : 2^2$                       | 128   | 1871100 | 6464, 6643, 6281, 6619, 6453, 6644, 6620 | 1048, 2824   |
| 4449                                | $8 : 2 : 2 : 2 \times 2$              | 128   | 467775  | 6457, 6643 (2), 6645, 6282 (2), 6642     | 1050, 2824, 2830, 2835, 2838, 2839, 2850, 2852     |
| 4450                                | $D_8 \times 2^2 : 2 \cdot 2$          | 128   | 467775  | 6255 (2), 6646 (2), 6457, 6647, 6648     | 1051, 2825, 2831, 2836, 2839, 2840, 2848, 2851     |
| 4451                                | $D_8 \times 2^2 : 2 \cdot 2$          | 128   | 467775  | 6290, 6647, 6254 (4), 6649               | 1053 (2), 2825, 2833, 2837, 2894, 2906, 2914, 2955 |
| 4452                                | $D_8 \times 2 \cdot 2 : 2 \times 2$   | 128   | 467775  | 6457, 6650 (2), 6651, 6253 (2), 6652     | 1055, 2826, 2835, 2843, 2844, 2845, 2847, 2848     |
| 4453                                | $2^{1+4} : 2^2$                       | 128   | 935550  | 6458, 6653, 6654, 6376, 6655, 6656, 6253 | 1056, 2828, 2842, 2843                             |
| 4454                                | $2^{1+4} : 2^2$                       | 128   | 467775  | 6458, 6657, 6658, 6449, 6659, 6660, 6274 | 1064, 2829, 2842 (2), 2846 (2)                     |
| 4455                                | $2 \times 4 : 2 : 2 \times 2 \cdot 2$ | 128   | 467775  | 6274, 6661, 6255, 6662, 6457, 6663, 6664 | 1065, 2829, 2836, 2841, 2844, 2846, 2849, 2850     |
| 4456                                | $2^{1+4} : 2^2$                       | 128   | 935550  | 6458, 6665, 6666, 6449, 6667, 6668, 6255 | 1071, 2831, 2840, 2846                             |
| 4457                                | $2^{1+4} : 2^2$                       | 128   | 1871100 | 6473, 6630, 6450, 6669, 6254, 6632, 6670 | 1093, 2837   |
| 4458                                | $2^{1+4} : 2^2$                       | 128   | 1871100 | 6483, 6671, 6672, 6482, 6673, 6674, 6282 | 1096, 2852   |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 4459                                | $2^3 \cdot 2 : 2 \times 2 \cdot 2$    | 128   | 467775 | 6288 (2), 6651, 6291 (2), 6675, 6290   | 1581 (4), 2826, 2853, 2861, 2911, 2947, 2953, 2955                     |
| 4460                                | $2^3 \cdot 2 : 2 \times 2 \cdot 2$    | 128   | 935550 | 6424, 6429, 6436, 6439, 6292, 6293, 6288   | 1582 (2), 2180 (2), 2827, 2853, 2946                                   |
| 4461                                | $2^3 \cdot 2 : 2 \cdot 2 \times 2$    | 128   | 935550 | 6288, 6655, 6621, 6294, 6439, 6626, 6295   | 1583 (2), 2828, 2853, 2944   |
| 4462                                | $D_8 \times 2 : 2 \times 2 \times 2$  | 128   | 467775 | 6292 (2), 6412 (2), 6406 (2), 6676, 6677, 6469 (4), 6298 (2), 6252 (2), 6421 (2), 6402 (2), 6678, 6679, 6344 (4), 6295 (2), 6297, 6296, 6290                     | 1584 (4), 2120 (4), 2121 (4), 2833, 2853, 2855, 2857, 2862, 2863, 2935 |
| 4463                                | $2^3 \cdot 2 : 2 \times 2 \cdot 2$    | 128   | 467775 | 6293 (2), 6663, 6294 (2), 6680, 6290   | 1585 (4), 2841, 2853, 2864, 2865, 2914, 2985, 2989                     |
| 4464                                | $D_8 \times 2 : 2 \cdot 2 \times 2$   | 128   | 935550 | 6293, 6655, 6658, 6291, 6429, 6681, 6295   | 1586 (2), 2842, 2853, 2866   |
| 4465                                | $2 \times 4 : 2 : 2 \times 2 \cdot 2$ | 128   | 935550 | 6292, 6681, 6635, 6294, 6436, 6626, 6291   | 1587 (2), 2832, 2853, 2867   |
| 4466                                | $D_8 \times 2^4$                      | 128   | 155925 | 6301 (4), 6305 (6), 6322 (4), 6304 (6), 6471 (4), 6399 (6), 6398 (6), 6334 (4), 6317 (4), 6302 (4), 6414, 6382, 6257 (4), 6368 (4), 6395, 6410, 6297, 6300, 6367 | 2089 (4), 2090, 2172 (4), 2855 (6), 2935 (3)                           |
| 4467                                | $D_8 \times (D_8 \times 2)$           | 128   | 467775 | 6300 (2), 6400 (2), 6329 (2), 6464 (2), 6682, 6290, 6379 (2), 6258 (4), 6306 (2), 6316 (4), 6490 (2), 6309 (2), 6303 (2), 6457, 6314 (2)                         | 2091 (2), 2092 (4), 2824, 2825, 2826, 2841, 2854, 2855, 2882           |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups   | Minimal Overgroups                                   |
| 4468                                | $D_8 \times (D_8 \times 2)$ | 128   | 935550 | 6304, 6511, 6460 (2),<br>6393, 6461, 6319 (2),<br>6303, 6683, 6493 (2),<br>6421, 6491, 6272 (2),<br>6307, 6684, 6494 (2),<br>6422, 6492, 6323 (2),<br>6395, 6506, 6259 (2),<br>6310 (2), 6462                                       | 2093, 2094 (2), 2183,<br>2855, 2871, 2887            |
| 4469                                | $D_8 \times 2^4$            | 128   | 311850 | 6305 (3), 6497 (6),<br>6335 (2), 6685 (3),<br>6508, 6686 (3), 6507,<br>6498 (6), 6260 (2),<br>6401 (3), 6402 (3),<br>6320 (2), 6324 (6),<br>6462, 6496 (3), 6463,<br>6495 (3), 6311 (2),<br>6315 (6), 6308 (3),<br>6382, 6384, 6303 | 2095, 2096 (2), 2184,<br>2855 (3), 2873, 2888<br>(3) |
| 4470                                | $D_8 \times (D_8 \times 2)$ | 128   | 935550 | 6300, 6687, 6500,<br>6472 (2), 6318 (2),<br>6499 (2), 6312 (2),<br>6403, 6307, 6407,<br>6393, 6261 (2), 6273<br>(2), 6336 (2), 6321<br>(2), 6367, 6308,<br>6688, 6501, 6405,<br>6413, 6384, 6296                                    | 2097 (2), 2098, 2165<br>(2), 2855, 2882, 2934        |
| 4471                                | $D_8 \times (2^2 \times 4)$ | 128   | 935550 | 6305, 6503 (2), 6689,<br>6690, 6262 (2), 6325<br>(2), 6505, 6504, 6267<br>(2), 6407, 6337 (2),<br>6502 (2), 6410, 6307,<br>6326 (2), 6289 (2),<br>6691, 6692, 6507,<br>6506, 6406, 6409,<br>6306                                    | 2099 (2), 2100, 2855,<br>2883, 2931                  |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 4472                                | $D_8 \times (D_8 \times 2)$ | 128   | 935550  | 6304, 6512 (2), 6693, 6413, 6328 (2), 6511, 6308, 6338 (2), 6694, 6414, 6313 (2), 6508, 6306, 6513 (2), 6695, 6415, 6327 (2), 6509, 6412, 6263 (2), 6690, 6510, 6268 (2)                 | 2101, 2102 (2), 2855, 2884, 2930               |
| 4473                                | $D_8 \times (D_8 \times 2)$ | 128   | 935550  | 6301 (2), 6442 (2), 6444, 6312 (2), 6345 (2), 6265 (2), 6309, 6311 (2), 6347 (2), 6313 (2), 6441 (2), 6292, 6341, 6310 (2), 6289 (2), 6330, 6339, 6443, 6340 (2)                         | 2105 (2), 2106 (2), 2161 (2), 2827, 2832, 2855 |
| 4474                                | $D_8 \times (D_8 \times 2)$ | 128   | 935550  | 6309, 6516 (2), 6696, 6459 (2), 6266 (2), 6515 (2), 6331, 6326 (2), 6273 (2), 6328 (2), 6319 (2), 6341, 6342 (2), 6320 (2), 6302 (2), 6697, 6514 (2), 6295, 6458                         | 2107 (2), 2108 (2), 2828, 2842, 2855           |
| 4475                                | $D_8 \times (D_8 \times 2)$ | 128   | 1871100 | 6311, 6519, 6520, 6466, 6467, 6523, 6524, 6327, 6267, 6698, 6699, 6522, 6521, 6470, 6278, 6319, 6317, 6325, 6268, 6320, 6310, 6468, 6469, 6321, 6279, 6517, 6518, 6465, 6322, 6318, 6314 | 2109, 2110, 2111, 2112, 2855                   |

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|-------------------------------------|------------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                          | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 4476                                | $D_8 \times (D_8 \times 2)$        | 128   | 1871100 | 6317, 6336, 6338,<br>6318, 6340, 6700,<br>6529, 6519, 6289,<br>6528, 6701, 6328,<br>6521, 6337, 6334,<br>6342, 6315, 6343,<br>6269, 6316, 6259,<br>6702, 6283, 6525,<br>6526, 6527, 6703,<br>6323, 6344, 6346,<br>6335 | 2113, 2114, 2135,<br>2855                                |
| 4477                                | $D_8 \times (D_8 \times 2)$        | 128   | 1871100 | 6345, 6704, 6520,<br>6460, 6502, 6705,<br>6533, 6459, 6270,<br>6522, 6703, 6512,<br>6260, 6525, 6706,<br>6536, 6471, 6532,<br>6272, 6321, 6344,<br>6530, 6313, 6316,<br>6322, 6324, 6531,<br>6473, 6284, 6326,<br>6472 | 2115, 2116, 2185,<br>2855                                |
| 4478                                | $D_8 \times (D_8 \times 2)$        | 128   | 1871100 | 6302, 6707, 6503,<br>6514, 6465, 6277,<br>6346, 6258, 6324,<br>6527, 6271, 6460,<br>6280, 6534, 6368,<br>6327, 6325, 6708,<br>6530, 6537, 6335,<br>6499, 6535, 6312,<br>6347, 6513, 6709,<br>6470, 6298, 6536,<br>6323 | 2117, 2118, 2231,<br>2855                                |
| 4479                                | $2^{1+4} : 2^2$                    | 128   | 467775  | 6290, 6453 (4), 6710<br>(2), 6351 (2), 6450<br>(4), 6711, 6645   | 2119 (4), 2824, 2837,<br>2857, 2861, 2876,<br>2985, 2988 |
| 4480                                | $2^3 \cdot 2 \times 2 \cdot 2 : 2$ | 128   | 467775  | 6290, 6712 (2), 6648,<br>6364 (2), 6713  | 2122 (4), 2825, 2834,<br>2857, 2864, 2896,<br>2916, 2953 |
| 4481                                | $D_8 \times (D_8 \times 2)$        | 128   | 467775  | 6330 (2), 6468 (4),<br>6401 (2), 6714, 6331<br>(2), 6473 (2), 6415<br>(2), 6715 (2), 6277<br>(4), 6343 (2), 6409<br>(2), 6422 (2), 6716,<br>6367 (2), 6290   | 2123 (4), 2834, 2837,<br>2855, 2865, 2907,<br>2934, 2947 |
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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 4482                                | $D_8 \times (D_8 \times 2)$ | 128   | 935550 | 6330, 6337 (2), 6717, 6517 (2), 6285 (2), 6523 (2), 6707 (2), 6512 (2), 6718, 6295, 6497 (2), 6368 (2), 6494 (2), 6261 (2), 6443, 6528 (2), 6697, 6532 (2), 6329 | 2124 (2), 2855, 2866, 2944                                     |
| 4483                                | $D_8 \times (D_8 \times 2)$ | 128   | 935550 | 6292, 6524 (2), 6493 (2), 6709 (2), 6286 (2), 6502 (2), 6531 (2), 6696, 6719, 6499 (2), 6257 (2), 6338 (2), 6529 (2), 6329, 6444, 6498 (2), 6518 (2), 6717, 6331 | 2125 (2), 2855, 2867, 2946                                     |
| 4484                                | $2^{1+4} : 2^2$             | 128   | 935550 | 6332, 6438 (2), 6370 (2), 6437, 6341, 6440 (2), 6373 (2), 6394, 6376, 6439, 6392   | 2131, 2132 (2), 2160 (2), 2827, 2828, 2859                     |
| 4485                                | $2^{1+4} : 2^2$             | 128   | 467775 | 6457, 6455 (2), 6720 (2), 6721 (2), 6456 (2), 6449, 6675, 6722, 6539, 6332, 6538   | 2133, 2134 (2), 2826, 2829, 2830, 2831, 2858, 2859, 2860       |
| 4486                                | $2^{1+4} : 2^2$             | 128   | 155925 | 6290 (3), 6652 (3), 6624 (6), 6348 (2), 6539   | 2136, 2826 (3), 2856 (3), 2863, 2865 (3), 2876, 2894 (3), 2896 |
| 4487                                | $D_8 \times 2^2 : 2 : 2$    | 128   | 155925 | 6290 (3), 6723 (6), 6724 (3), 6725 (3)   | 2137, 2854, 2856 (3), 2861 (3), 2862, 2864 (3), 2906 (3), 2907 |
| 4488                                | $2^{1+4} : 2^2$             | 128   | 935550 | 6329, 6623, 6291, 6650, 6348, 6380, 6538   | 2138, 2826, 2866, 2867   |
| 4489                                | $2^{1+4} : 2^2$             | 128   | 311850 | 6292 (3), 6431 (3), 6433 (3), 6427 (3), 6381, 6394, 6348   | 2139, 2171 (2), 2827 (3), 2863, 2867 (3)                       |
| 4490                                | $2^{1+4} : 2^2$             | 128   | 935550 | 6330, 6434, 6293, 6432, 6348, 6385, 6392   | 2140, 2166 (2), 2827, 2865, 2866                               |
| 4491                                | $2^{1+4} : 2^2$             | 128   | 935550 | 6331, 6629, 6294, 6653, 6348, 6392, 6485   | 2141, 2828, 2865, 2867   |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 4492                                | $2^{1+4} : 2^2$                     | 128   | 311850 | 6348, 6654 (3), 6295 (3), 6627 (3), 6639 (3), 6394, 6484         | 2142, 2828 (3), 2863, 2866 (3)                                     |
| 4493                                | $D_8 \times 2^2 : 2 \times 2$       | 128   | 103950 | 6456 (3), 6550 (3), 6360 (9), 6474 (3), 6356 (3), 6353 (9), 6350 | 2143 (6), 2192 (2), 2193, 2194, 2195, 2858 (3), 2869 (9), 2870 (3) |
| 4494                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6726, 6299 (4), 6727, 6728, 6540 (4), 6729, 6352, 6359, 6354     | 2144 (2), 2868, 2875, 3005   |
| 4495                                | $D_8 \times 2 \cdot 2 \times 2 : 2$ | 128   | 935550 | 6730, 6731, 6732, 6733, 6365, 6417, 6352                         | 2145 (2), 2868, 2917, 3005   |
| 4496                                | $D_8 \times 2 \cdot 2 \times 2 : 2$ | 128   | 935550 | 6296, 6734, 6735, 6364, 6736, 6737, 6351                         | 2146 (2), 2176 (2), 2857, 2916, 2988                               |
| 4497                                | $2^5 \cdot 2 : 2$                   | 128   | 311850 | 6475, 6416 (3), 6547 (3), 6551 (3), 6476, 6366 (3), 6350         | 2147 (6), 2196 (2), 2197, 2198, 2199, 2869 (3), 2870, 2872 (3)     |
| 4498                                | $2^3 \cdot 2 : 2 \times 2 : 2$      | 128   | 155925 | 6461 (3), 6477 (3), 6553 (3), 6552 (3), 6350, 6419, 6363         | 2148 (4), 2200 (6), 2201 (4), 2202 (3), 2869 (6), 2871 (3)         |
| 4499                                | $2^6 : 2$                           | 128   | 155925 | 6297, 6738 (3), 6739 (3), 6364, 6740 (3), 6741 (3), 6351         | 2149 (4), 2158 (4), 2857 (6), 2935 (3)                             |
| 4500                                | $2 \times 4 : 2 : 2 \times 2 : 2$   | 128   | 311850 | 6693 (3), 6742 (3), 6743 (3), 6744 (3), 6349, 6420, 6362         | 2150 (4), 2930 (3)   |
| 4501                                | $D_8 \times 2 : 2 \times 2 : 2$     | 128   | 155925 | 6745 (3), 6746 (3), 6747 (3), 6748 (3), 6418, 6352, 6361         | 2151 (4), 2868 (6), 2932 (3)                                       |
| 4502                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6749, 6541 (4), 6750, 6751, 6369 (4), 6752, 6363, 6416, 6353     | 2152 (2), 2869, 2908, 3002   |
| 4503                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6753, 6542 (4), 6754, 6755, 6543 (4), 6756, 6361, 6417, 6354     | 2153 (2), 2868, 2902, 2938   |
| 4504                                | $D_8 : (4^2)$                       | 128   | 935550 | 6757, 6758, 6759, 6760, 6418, 6365, 6354                         | 2154 (2), 2868, 2900, 2937   |

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| Nr.                                 | Structure                              | Order | Length  | Maximal Subgroups  | Minimal Overgroups                         |
| 4505                                | $D_8 \times 2^2 : 2 \cdot 2$           | 128   | 935550  | 6761, 6762, 6763, 6764, 6419, 6366, 6353   | 2155 (2), 2869, 2909, 3003                 |
| 4506                                | $D_8 \times (D_8 \times 2)$            | 128   | 935550  | 6357, 6390 (2), 6386 (2), 6765, 6766, 6389, 6358, 6387 (2), 6377 (2), 6767, 6768, 6388, 6356, 6372 (2), 6375 (2), 6546, 6547, 6371, 6545, 6333 (2), 6374 (2), 6544, 6287 | 2156 (4), 2186, 2870, 2886, 2927           |
| 4507                                | $2^5 \cdot 2 : 2$                      | 128   | 935550  | 6769, 6770, 6771, 6772, 6363, 6360, 6366   | 2157 (2), 2869, 3001, 3002                 |
| 4508                                | $8 : 2 \times 2 \cdot 2 : 2$           | 128   | 935550  | 6773, 6774, 6775, 6776, 6361, 6359, 6365   | 2159 (2), 2868, 2938, 2993                 |
| 4509                                | $2^{1+4} : 2^2$                        | 128   | 935550  | 6443, 6447 (2), 6448 (2), 6428, 6435, 6445 (2), 6446 (2), 6429, 6385, 6380, 6394   | 2162 (2), 2189, 2827, 2866, 2889           |
| 4510                                | $D_8 \cdot (D_8 \times 2)$             | 128   | 1871100 | 6397, 6777, 6778, 6779, 6780, 6404, 6408, 6411, 6487, 6548, 6549, 6488, 6383, 6378, 6396   | 2163 (2), 2187, 2936                       |
| 4511                                | $D_8 \times (D_8 \times 2)$            | 128   | 935550  | 6398, 6534 (2), 6528 (2), 6531 (2), 6276 (2), 6781, 6745, 6405, 6409, 6782, 6783, 6412, 6340 (2), 6459 (2), 6470 (2), 6279 (2), 6384, 6509, 6492, 6379, 6504, 6496, 6395 | 2164 (2), 2188, 2855, 2887, 2932           |
| 4512                                | $2^{1+4} : 2^2$                        | 128   | 935550  | 6444, 6426, 6436, 6430, 6381, 6380, 6392   | 2167 (4), 2169 (2), 2190, 2827, 2867, 2890 |
| 4513                                | $2 \times 4 : 2 \times 2 : 2 \times 2$ | 128   | 935550  | 6399, 6535 (2), 6529 (2), 6532 (2), 6275 (2), 6784, 6782, 6403, 6406, 6785, 6786, 6415, 6345 (2), 6342 (2), 6278 (2), 6465 (2), 6382, 6505, 6491, 6379, 6510, 6495, 6393 | 2168 (4), 2170 (2), 2191, 2855, 2888, 2933 |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 4514                                | $D_8 \times (D_8 \times 2)$         | 128   | 935550 | 6398, 6516 (2), 6523 (2), 6787, 6684, 6400, 6401, 6284 (2), 6269 (2), 6786, 6692, 6414, 6407, 6536 (2), 6527 (2), 6693, 6781, 6403, 6441 (2), 6518 (2), 6788, 6685, 6421 | 2173 (2), 2855, 2930, 2999   |
| 4515                                | $D_8 \times 2^2 : 2 \times 2$       | 128   | 935550 | 6399, 6346 (2), 6524 (2), 6691, 6683, 6405, 6402, 6517 (2), 6270 (2), 6686, 6694, 6422, 6410, 6515 (2), 6283 (2), 6789, 6783, 6400, 6442 (2), 6530 (2), 6788, 6784, 6413 | 2174 (2), 2855, 2931, 2998   |
| 4516                                | $D_8 \times 2 \cdot 2 : 2 \cdot 2$  | 128   | 935550 | 6790, 6791, 6792, 6793, 6418, 6359, 6417   | 2175 (2), 2868, 2937, 2978   |
| 4517                                | $2^5 \cdot 2 : 2$                   | 128   | 935550 | 6794, 6795, 6796, 6797, 6360, 6416, 6419   | 2177 (2), 2869, 3000, 3003   |
| 4518                                | $D_8 \times 2 : 2 \times 2 \cdot 2$ | 128   | 935550 | 6443, 6426, 6434, 6431, 6425, 6423, 6439   | 2178 (2), 2827, 2944, 2945   |
| 4519                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6444, 6423, 6433, 6437, 6424, 6428, 6432   | 2179 (2), 2827, 2946, 2948   |
| 4520                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6330, 6430, 6427, 6435, 6288, 6437, 6425   | 2181 (2), 2827, 2944, 2947   |
| 4521                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6376, 6798 (2), 6799, 6452 (2), 6449, 6800, 6341, 6801 (2), 6681, 6451 (2), 6802   | 2182 (2), 2832, 2842, 2859   |
| 4522                                | $D_8 \times 2^2 : 2 \times 2$       | 128   | 155925 | 6303 (2), 6803 (3), 6555 (6), 6725 (3), 6554 (6), 6557, 6479 (2), 6556, 6457 (3), 6478 (3), 6350   | 2203 (2), 2204 (2), 2205, 2835 (3), 2836, 2854 (3), 2858, 2871 (3), 2872 (3), 2873 |

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| Nr.                                 | Structure                            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 4523                                | $D_8 \times 2^4$                     | 128   | 51975   | 6463, 6462 (6), 6560 (6), 6558 (9), 6804 (9), 6480 (6), 6559 (6), 6545 (9), 6805 (9), 6350, 6481   | 2206, 2207 (2), 2208 (2), 2870 (6), 2871 (9), 2873 (6)       |
| 4524                                | $2^{1+4} : 2^2$                      | 128   | 467775  | 6457, 6644 (2), 6641, 6474 (2), 6449 (2), 6806 (2), 6807 (2), 6454 (2), 6711   | 2209 (2), 2824, 2840, 2845, 2846, 2858, 2874, 2879           |
| 4525                                | $D_8 \times 2^2 \cdot 2 : 2$         | 128   | 467775  | 6457, 6808 (2), 6713, 6476 (2), 6649   | 2210 (2), 2825, 2838, 2847, 2849, 2860, 2872, 2874           |
| 4526                                | $2^{1+4} : 2^2$                      | 128   | 935550  | 6478, 6809 (2), 6456, 6810, 6454 (2), 6811, 6455 (2), 6812 (2), 6474, 6813, 6814   | 2211, 2212, 2858, 2880, 2881                                 |
| 4527                                | $2^{1+4} : 2^2$                      | 128   | 1871100 | 6373, 6815, 6455, 6816, 6466, 6817, 6452, 6818, 6451, 6819, 6370, 6820, 6482, 6821, 6822   | 2213, 2214, 2859   |
| 4528                                | $D_8 \times 2^2 : 2 \times 2$        | 128   | 467775  | 6341 (2), 6525 (4), 6280 (4), 6505 (2), 6501 (2), 6509 (2), 6304 (2), 6787, 6676, 6466 (2), 6789, 6714, 6457, 6823 (2), 6717 (2), 6463, 6461 | 2215 (2), 2216 (2), 2839, 2844, 2855, 2859, 2871, 2874, 2884 |
| 4529                                | $2^{1+4} : 2^2$                      | 128   | 467775  | 6376 (2), 6824 (2), 6825 (2), 6475 (2), 6457, 6826 (2), 6827, 6482 (2), 6680   | 2217 (2), 2841, 2843, 2851, 2852, 2859, 2872, 2879           |
| 4530                                | $D_8 \times 2 : 2 \times 2 \times 2$ | 128   | 311850  | 6373 (2), 6828 (6), 6829 (3), 6830 (6), 6456, 6831 (3), 6463, 6357 (3), 6832 (3), 6451 (2), 6475   | 2218, 2219, 2859 (3), 2870, 2880 (3)                         |
| 4531                                | $2^{1+4} : 2^2$                      | 128   | 935550  | 6370 (2), 6761, 6456, 6769, 6461, 6833 (2), 6452 (2), 6834 (2), 6475, 6794, 6749   | 2220, 2221, 2859, 2869, 2881                                 |

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| Nr.                                 | Structure                          | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 4532                                | $D_8 \times (D_8 \times 2)$        | 128   | 467775  | 6339, 6835 (2), 6788 (2), 6716, 6719, 6526 (2), 6510 (2), 6500 (2), 6256 (2), 6533 (2), 6504 (2), 6467 (2), 6462 (2), 6457, 6305 (2), 6718, 6677, 6537 (2), 6458                         | 2222 (2), 2829, 2838, 2840, 2843, 2855, 2873, 2883           |
| 4533                                | $2^3 \cdot 2 \times 2 \cdot 2 : 2$ | 128   | 467775  | 6306 (2), 6836 (2), 6724, 6562 (2), 6563 (2), 6837, 6561 (2), 6457, 6479 (2)   | 2223 (2), 2830, 2845, 2849, 2851, 2854, 2883, 2884           |
| 4534                                | $2^2 \times 4 \cdot 2 : 2 : 2$     | 128   | 311850  | 6456, 6358 (3), 6838 (3), 6839 (3), 6476, 6840 (3), 6481   | 2224, 2225, 2860 (3), 2870, 2881 (3)                         |
| 4535                                | $D_8 \times (2 \times 4) : 2$      | 128   | 467775  | 6457, 6841, 6842, 6564 (2), 6307 (2), 6565 (2), 6566 (2), 6477, 6843, 6844, 6481   | 2226 (2), 2227 (2), 2848, 2850, 2860, 2871, 2879, 2882, 2883 |
| 4536                                | $2^3 \cdot 2 \times 2 \cdot 2 : 2$ | 128   | 935550  | 6456, 6770, 6476, 6752, 6477, 6796, 6764   | 2228, 2229, 2860, 2869, 2880                                 |
| 4537                                | $D_8 \times (D_8 \times 2)$        | 128   | 467775  | 6458 (2), 6845 (2), 6846 (2), 6567 (4), 6568 (4), 6570 (2), 6571 (2), 6480 (2), 6457, 6847 (2), 6848, 6569 (2), 6483 (2), 6849, 6308 (2)   | 2230 (2), 2831, 2846, 2847, 2852, 2873, 2882, 2884           |
| 4538                                | $D_8 \times (D_8 \times 2)$        | 128   | 1871100 | 6441, 6705, 6835, 6493, 6503, 6706, 6698, 6515, 6276, 6823, 6701, 6263, 6497, 6699, 6700, 6535, 6334, 6513, 6442, 6469, 6336, 6275, 6494, 6464, 6468, 6516, 6262, 6471, 6534, 6498, 6472 | 2233, 2234, 2855   |

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| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 4539                                | $2^{1+4} \times 2^2$              | 128   | 51975  | 6556 (3), 6811 (18), 6729 (18), 6711 (9), 6356 (6), 6572 (6), 6539 (3)                   | 2235, 2236 (2), 2237, 2858 (3), 2875 (9), 2876 (3), 2877, 2878 (3), 2885 (9), 2886 (3) |
| 4540                                | $2 \times 4 : 2 : 2 \times 2 : 2$ | 128   | 935550 | 6475, 6795, 6474, 6762, 6477, 6750, 6772   | 2238, 2239, 2869, 2879, 2880   |
| 4541                                | $2^4 \cdot 2 : 2 : 2$             | 128   | 935550 | 6461, 6771, 6476, 6797, 6474, 6751, 6763   | 2240, 2241, 2869, 2874, 2881   |
| 4542                                | $2^2 \times 4 \cdot 2 : 2 : 2$    | 128   | 935550 | 6490, 6850, 6723, 6851, 6852, 6574 (2), 6563, 6573, 6379, 6561, 6575, 6303, 6479, 6478   | 2242, 2243, 2854, 2887, 2888   |
| 4543                                | $2^6 : 2$                         | 128   | 311850 | 6463, 6853 (3), 6854 (3), 6474, 6768 (3), 6855 (3), 6476                                 | 2244, 2245, 2870, 2874 (3), 2880 (3)   |
| 4544                                | $2 \times 4 : 2 \times 2 : 2 : 2$ | 128   | 311850 | 6475, 6856 (3), 6857 (3), 6474, 6481, 6766 (3), 6858 (3)                                 | 2246, 2247, 2870, 2879 (3), 2881 (3)   |
| 4545                                | $2^2 \times 4 : 2 : 2 : 2$        | 128   | 467775 | 6461, 6859, 6577 (2), 6860, 6578 (2), 6481, 6492 (2), 6861, 6576 (2), 6862, 6478         | 2248 (2), 2249 (2), 2871, 2881 (2), 2887 (2)   |
| 4546                                | $2^6 : 2$                         | 128   | 467775 | 6463, 6863, 6580 (2), 6864, 6581 (2), 6477, 6491 (2), 6865, 6579 (2), 6866, 6478         | 2250 (2), 2251 (2), 2871, 2880 (2), 2888 (2)   |
| 4547                                | $D_8 \times (2 \times 4 : 2)$     | 128   | 935550 | 6505, 6867, 6868, 6869, 6870, 6577, 6564, 6581, 6506, 6583, 6584, 6582, 6479, 6477, 6462 | 2252, 2253, 2871, 2883, 2888   |
| 4548                                | $D_8 \times 2^2 \cdot 2 : 2$      | 128   | 935550 | 6509, 6871, 6872, 6873, 6874, 6580, 6565, 6578, 6511, 6583, 6586, 6585, 6479, 6480, 6461 | 2254, 2255, 2871, 2884, 2887   |

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| Nr.                                 | Structure                                  | Order | Length | Maximal Subgroups  | Minimal Overgroups                      |
| 4549                                | $2 \times 4 : 2 \times 2 : 2 : 2$          | 128   | 935550 | 6501, 6875, 6876,<br>6877, 6878, 6576,<br>6566, 6579, 6393,<br>6586, 6587, 6584,<br>6303, 6477, 6480   | 2256, 2257, 2871,<br>2882, 2888         |
| 4550                                | $2^4 \cdot 2 : 2 : 2$                      | 128   | 935550 | 6475, 6879, 6476,<br>6880, 6478, 6881,<br>6882   | 2258, 2259, 2872,<br>2880, 2881         |
| 4551                                | $D_8 \times (D_8 \times 2)$                | 128   | 935550 | 6467 (2), 6883 (2),<br>6884 (2), 6593 (2),<br>6594 (2), 6588 (2),<br>6589 (2), 6483 (2),<br>6462, 6885, 6886,<br>6595, 6596, 6590,<br>6591, 6478, 6495,<br>6887, 6888, 6597,<br>6496, 6592, 6480 | 2260, 2261, 2873,<br>2887, 2888         |
| 4552                                | $D_8 \times (2^2 \times 4)$                | 128   | 311850 | 6504 (3), 6889 (3),<br>6890 (3), 6891 (3),<br>6892 (3), 6569 (3),<br>6591 (3), 6597 (3),<br>6507, 6599, 6600,<br>6598, 6462, 6479,<br>6481   | 2262, 2263, 2873,<br>2883 (3), 2887 (3) |
| 4553                                | $2^5 : 2 \times 2$                         | 128   | 311850 | 6510 (3), 6893 (3),<br>6894 (3), 6895 (3),<br>6896 (3), 6592 (3),<br>6596 (3), 6570 (3),<br>6508, 6602, 6600,<br>6601, 6463, 6480,<br>6479   | 2264, 2265, 2873,<br>2884 (3), 2888 (3) |
| 4554                                | $2 \times 4 \cdot 2 : 2 \times 2 \times 2$ | 128   | 311850 | 6500 (3), 6897 (3),<br>6898 (3), 6899 (3),<br>6900 (3), 6590 (3),<br>6571 (3), 6595 (3),<br>6384, 6601, 6603,<br>6599, 6303, 6480,<br>6481   | 2266, 2267, 2873,<br>2882 (3), 2887 (3) |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 4555                                | $2^{1+4} : 2^2$               | 128   | 467775 | 6682, 6901 (4), 6726 (2), 6902 (2), 6625 (2), 6651, 6539, 6380 (2)   | 2268, 2826, 2875, 2889, 2890, 2891, 2895, 2897                 |
| 4556                                | $2^{1+4} : 2^2$               | 128   | 935550 | 6697, 6628, 6655, 6638, 6484, 6392, 6380   | 2269, 2828, 2866, 2890   |
| 4557                                | $2^{1+4} : 2^2$               | 128   | 935550 | 6380, 6903 (2), 6904 (2), 6656, 6640, 6485, 6696, 6905 (2), 6906 (2), 6626, 6394   | 2270, 2828, 2867, 2889   |
| 4558                                | $2^{1+4} : 2^2$               | 128   | 155925 | 6381, 6659 (3), 6636 (3), 6484, 6677 (3), 6664 (3), 6539   | 2271, 2829 (3), 2863, 2877, 2890 (3), 2893 (3), 2898 (3), 2901 |
| 4559                                | $2^{1+4} : 2^2$               | 128   | 467775 | 6385, 6907 (2), 6757 (2), 6657, 6634, 6485, 6716, 6908 (2), 6909 (2), 6663, 6539   | 2272, 2829, 2865, 2878, 2889, 2892, 2899, 2900                 |
| 4560                                | $2^{1+4} : 2^2$               | 128   | 467775 | 6718, 6637, 6658, 6661, 6484, 6385, 6538   | 2273, 2829, 2866 (2), 2892 (2)                                 |
| 4561                                | $2^{1+4} : 2^2$               | 128   | 467775 | 6719, 6660, 6635, 6662, 6381, 6485, 6538   | 2274, 2829, 2867 (2), 2893 (2)                                 |
| 4562                                | $2^{1+4} : 4$                 | 128   | 155925 | 6837 (3), 6645 (3), 6539   | 2275, 2830 (3), 2876, 2891 (3), 2899 (3), 2901, 2903 (3), 2904 |
| 4563                                | $2^{1+4} : 4$                 | 128   | 467775 | 6724, 6910 (2), 6642, 6354 (2), 6539   | 2276, 2830, 2856, 2875, 2898, 2900, 2902, 2905                 |
| 4564                                | $2^{1+4} : 2^2$               | 128   | 467775 | 6485 (2), 6756 (2), 6647, 6911 (4), 6912 (2), 6848, 6539, 6665 (2)   | 2277, 2831, 2878, 2893, 2894, 2897, 2902, 2903                 |
| 4565                                | $2^{1+4} : 2^2$               | 128   | 935550 | 6846, 6668, 6666, 6646, 6484, 6485, 6538   | 2278, 2831, 2892, 2893   |
| 4566                                | $2^{1+4} : 2^2$               | 128   | 155925 | 6539, 6667 (6), 6648 (3), 6484 (2), 6849 (3)   | 2279, 2831 (3), 2877, 2892 (3), 2895 (3), 2896, 2904, 2905 (3) |
| 4567                                | $D_8 \times 2^2 : 2 \times 2$ | 128   | 935550 | 6304, 6687, 6709 (2), 6678, 6492, 6519 (2), 6507, 6781, 6700 (2), 6691, 6490, 6266 (2), 6495, 6715, 6285 (2), 6398, 6511, 6522 (2), 6784, 6693, 6705 (2), 6347 (2), 6500 | 2280, 2855, 2887, 2930   |

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|-------------------------------------|---------------------------------|-------|--------|--|--|
| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 4568                                | $D_8 \times (D_8 \times 2)$     | 128   | 935550 | 6305, 6706 (2), 6692, 6707 (2), 6679, 6265 (2), 6501, 6520 (2), 6506, 6286 (2), 6715, 6701 (2), 6694, 6521 (2), 6508, 6514 (2), 6496, 6783, 6399, 6490, 6786, 6688, 6491 | 2281, 2855, 2888, 2931   |
| 4569                                | $2^{1+4} : 2^2$                 | 128   | 467775 | 6725, 6809 (4), 6813 (2), 6353 (2), 6807 (2), 6641, 6539, 6538 (2)   | 2282, 2856, 2858, 2891, 2892, 2893, 2908, 2909                 |
| 4570                                | $D_8 \times 2^3 \cdot 2$        | 128   | 467775 | 6575 (2), 6710 (2), 6556, 6645, 6652   | 2283, 2835, 2876, 2910, 2920, 2921, 2922, 2923                 |
| 4571                                | $D_8 \times 2^2 \cdot 2 : 2$    | 128   | 467775 | 6556, 6727 (2), 6642, 6604 (2), 6651   | 2284, 2835, 2875, 2911, 2918, 2919, 2924, 2925                 |
| 4572                                | $2^2 \times 4 : 2 \times 2 : 2$ | 128   | 155925 | 6664 (3), 6735 (6), 6648 (3), 6603 (2), 6556   | 2285, 2836, 2877, 2913, 2915 (3), 2916 (3), 2919 (3), 2920 (3) |
| 4573                                | $2^3 \times 4 \cdot 2 : 2$      | 128   | 155925 | 6663 (3), 6732 (6), 6647 (3), 6556, 6605 (2)   | 2286, 2836, 2878, 2912, 2914 (3), 2917 (3), 2918 (3), 2921 (3) |
| 4574                                | $2^{1+4} : 2^2$                 | 128   | 935550 | 6394, 6830 (2), 6825, 6834 (2), 6717, 6819 (2), 6392, 6818 (2), 6681, 6800, 6538   | 2287, 2859, 2866, 2867   |
| 4575                                | $2^{1+4} \times 2^2$            | 128   | 155925 | 6394 (2), 6802 (6), 6676 (3), 6913 (12), 6753 (6), 6914 (6), 6827 (3), 6749 (6), 6815 (12), 6357 (6), 6539   | 2288, 2859 (3), 2863, 2886, 2889 (3), 2902 (3), 2904, 2908 (3) |
| 4576                                | $2^{1+4} : 2^2$                 | 128   | 467775 | 6392 (2), 6831 (2), 6680, 6761 (2), 6714, 6822 (4), 6799 (2), 6539   | 2289, 2859, 2865, 2885, 2890, 2903, 2905, 2909                 |

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|-------------------------------------|------------------------------------|-------|--------|--|--|
| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 4577                                | $2^{1+4} : 4$                      | 128   | 467775 | 6539, 6752 (2), 6649, 6844, 6839 (2)   | 2290, 2860, 2885, 2894, 2895, 2898, 2899, 2908                 |
| 4578                                | $2^{1+4} \times 4$                 | 128   | 155925 | 6539, 6764 (6), 6915 (6), 6713 (3), 6842 (3), 6358 (6), 6760 (6)   | 2291, 2860 (3), 2886, 2896, 2897 (3), 2900 (3), 2901, 2909 (3) |
| 4579                                | $2^4 \cdot 2 : 2 \times 2$         | 128   | 311850 | 6557, 6813 (3), 6806 (3), 6356, 6720 (3), 6810 (3), 6550   | 2292, 2858, 2927 (3), 2929 (3)                                 |
| 4580                                | $D_8 \times 2^2 \cdot 2 \times 2$  | 128   | 155925 | 6556, 6814 (6), 6641 (3), 6550 (2), 6675 (3)   | 2293, 2858, 2910 (3), 2911 (3), 2912, 2913, 2926 (3), 2928 (3) |
| 4581                                | $2 \times 4 : 2 : 2 \times 2 : 2$  | 128   | 935550 | 6761, 6772, 6797, 6752, 6553, 6551, 6356   | 2294, 2869, 2885, 2927   |
| 4582                                | $2^3 \cdot 2 \times 2 \cdot 2 : 2$ | 128   | 935550 | 6769, 6762, 6751, 6796, 6552, 6551, 6550   | 2295, 2869, 2928, 2929   |
| 4583                                | $2 \times 4 : 2 : 2 \times 2 : 2$  | 128   | 935550 | 6794, 6750, 6763, 6770, 6553, 6547, 6550   | 2296, 2869, 2926, 2927   |
| 4584                                | $D_8 : (D_8 \times 2)$             | 128   | 935550 | 6749, 6916 (2), 6917 (2), 6355 (2), 6918 (2), 6919 (2), 6795, 6920 (2), 6771, 6764, 6606 (2), 6371 (2), 6608 (2), 6607 (2), 6552, 6372 (2), 6547, 6609 (2), 6356 | 2297, 2869, 2886, 2929   |
| 4585                                | $2 \times 4 : 2 \times 2 : 2 : 2$  | 128   | 935550 | 6400, 6836, 6723, 6921, 6922, 6349, 6923, 6850, 6490, 6557, 6554, 6574, 6306, 6561, 6555   | 2298, 2854, 2930, 2931   |
| 4586                                | $D_8 \times 2^2 : 2 : 2$           | 128   | 467775 | 6290, 6923, 6922 (2), 6351, 6837, 6852 (2), 6300, 6575, 6563 (2), 6554 (2), 6556   | 2299, 2854, 2876, 2911, 2914, 2916, 2934, 2935                 |
| 4587                                | $D_8 \times 2^3 : 2$               | 128   | 467775 | 6682, 6851 (2), 6724, 6352, 6922 (2), 6921, 6379 (2), 6555 (2), 6556, 6573, 6562   | 2300, 2854, 2875, 2910, 2915, 2917, 2932, 2933                 |

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|-------------------------------------|-----------------------------------|-------|--------|--|--|
| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups                             |
| 4588                                | $2 \times 4 : 2 : 2 \times 2 : 2$ | 128   | 935550 | 6831, 6924 (2), 6839, 6925 (2), 6854, 6857, 6558, 6610 (2), 6356, 6371 (2), 6551   | 2301, 2870, 2885, 2929                         |
| 4589                                | $D_8 \times (2 \times 4 : 2)$     | 128   | 935550 | 6829, 6926 (2), 6838, 6927 (2), 6855, 6858, 6545, 6610 (2), 6550, 6544 (2), 6551   | 2302, 2870, 2927, 2928                         |
| 4590                                | $2^3 \times 4 : 2 : 2$            | 128   | 935550 | 6832, 6928 (2), 6840, 6853, 6929 (2), 6856, 6558, 6546 (2), 6550, 6547, 6610 (2)   | 2303, 2870, 2926, 2929                         |
| 4591                                | $D_8 \times (2 \times 4 : 2)$     | 128   | 467775 | 6789, 6859, 6930 (2), 6864, 6931 (2), 6841, 6506 (2), 6553, 6586 (2), 6545, 6557   | 2304, 2871, 2927 (2), 2931 (2)                 |
| 4592                                | $D_8 \times (D_8 \times 2)$       | 128   | 467775 | 6676, 6932 (4), 6746, 6933, 6934 (4), 6935, 6741, 6862, 6842, 6866, 6395, 6606 (4), 6585, 6587, 6374 (4), 6582, 6556, 6552, 6545 | 2305, 2871, 2886, 2918, 2920, 2928, 2932, 2935 |
| 4593                                | $D_8 \times 2^3 : 2$              | 128   | 467775 | 6787, 6863, 6936 (2), 6860, 6742 (2), 6843, 6511 (2), 6558, 6584 (2), 6552, 6557   | 2306, 2871, 2929 (2), 2930 (2)                 |
| 4594                                | $2 \times 4 : 2 \times 2 : 2 : 2$ | 128   | 467775 | 6714, 6937 (2), 6938 (2), 6861, 6844, 6865, 6393 (2), 6583 (2), 6556, 6553, 6558   | 2307, 2871, 2885, 2919, 2921, 2926, 2933, 2934 |
| 4595                                | $2^4 \cdot 2 \times 2 : 2$        | 128   | 935550 | 6505, 6871, 6553, 6869, 6560, 6936, 6565, 6931, 6491, 6937, 6576, 6935, 6555, 6877, 6683   | 2308, 2871, 2931, 2933                         |
| 4596                                | $D_8 \times 2 : 2 \times 2 : 2$   | 128   | 935550 | 6304, 6742, 6938, 6578, 6566, 6931, 6741, 6581, 6554, 6874, 6878, 6552, 6421, 6870, 6560   | 2309, 2871, 2930, 2935                         |

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|-------------------------------------|-----------------------------|-------|--------|--|--|
| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups  | Minimal Overgroups                             |
| 4597                                | $D_8 \times 2^2 : 2 : 2$    | 128   | 935550 | 6509, 6867, 6559, 6873, 6552, 6930, 6564, 6742, 6492, 6937, 6579, 6746, 6555, 6875, 6684   | 2310, 2871, 2930, 2932                         |
| 4598                                | $2^5 : 2 : 2$               | 128   | 935550 | 6501, 6872, 6876, 6553, 6554, 6936, 6938, 6580, 6307, 6930, 6933, 6577, 6422, 6868, 6559   | 2311, 2871, 2931, 2934                         |
| 4599                                | $2^5 \cdot 2 : 2$           | 128   | 467775 | 6680, 6881 (2), 6649, 6556, 6551 (2)   | 2312, 2872, 2885, 2914, 2915, 2923, 2925, 2928 |
| 4600                                | $2^4 \cdot 2 \times 2 : 2$  | 128   | 935550 | 6826, 6880, 6808, 6879, 6557, 6547, 6551   | 2313, 2872, 2927, 2929                         |
| 4601                                | $D_8 : (D_8 \times 2)$      | 128   | 467775 | 6827, 6939 (4), 6940 (4), 6731 (2), 6734 (2), 6882 (2), 6713, 6587 (2), 6375 (4), 6608 (4), 6611 (2), 6556, 6547 (2)   | 2314, 2872, 2886, 2916, 2917, 2922, 2924, 2926 |
| 4602                                | $D_8 \times (D_8 \times 2)$ | 128   | 935550 | 6537 (2), 6941 (2), 6942 (2), 6593 (2), 6568 (2), 6943 (2), 6944 (2), 6588 (2), 6500, 6889, 6898, 6559, 6554, 6743, 6945, 6592, 6308, 6946, 6947, 6597, 6401, 6895, 6558 | 2315, 2873, 2930, 2934                         |
| 4603                                | $D_8 \times (D_8 \times 2)$ | 128   | 935550 | 6256 (2), 6948 (2), 6949 (2), 6944 (2), 6950 (2), 6594 (2), 6589 (2), 6568 (2), 6305, 6951, 6952, 6945, 6740, 6596, 6591, 6571, 6402, 6892, 6896, 6900, 6545, 6560, 6554 | 2316, 2873, 2931, 2935                         |

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|-------------------------------------|-------------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 4604                                | $D_8 \times (D_8 \times 2)$         | 128   | 935550 | 6533 (2), 6943 (2),<br>6953 (2), 6567 (2),<br>6594 (2), 6954 (2),<br>6949 (2), 6588 (2),<br>6510, 6897, 6890,<br>6555, 6560, 6955,<br>6952, 6590, 6495,<br>6743, 6956, 6569,<br>6685, 6893, 6558 | 2317, 2873, 2930,<br>2933   |
| 4605                                | $D_8 \times (D_8 \times 2)$         | 128   | 935550 | 6526 (2), 6957 (2),<br>6953 (2), 6593 (2),<br>6589 (2), 6941 (2),<br>6948 (2), 6567 (2),<br>6504, 6891, 6894,<br>6559, 6545, 6946,<br>6951, 6570, 6496,<br>6748, 6956, 6595,<br>6686, 6899, 6555 | 2318, 2873, 2931,<br>2932   |
| 4606                                | $D_8 \times 2^2 : 2 \times 2$       | 128   | 155925 | 6716 (3), 6885 (6),<br>6848 (3), 6748 (3),<br>6945 (6), 6955 (3),<br>6384 (2), 6559 (2),<br>6556, 6598, 6602   | 2319, 2873, 2878,<br>2913, 2923 (3), 2924<br>(3), 2932 (3), 2934<br>(3) |
| 4607                                | $D_8 \times 2^3 : 2$                | 128   | 155925 | 6677 (3), 6956 (6),<br>6947 (3), 6740 (3),<br>6888 (6), 6849 (3),<br>6382, 6600 (2), 6603,<br>6560 (2), 6556   | 2320, 2873, 2877,<br>2912, 2922 (3), 2925<br>(3), 2933 (3), 2935<br>(3) |
| 4608                                | $2^3 \cdot 2 : 2 \times 2 \times 2$ | 128   | 311850 | 6788 (3), 6847 (3),<br>6886 (3), 6946 (3),<br>6951 (3), 6743 (3),<br>6952 (3), 6887 (3),<br>6507, 6557, 6560,<br>6599, 6508, 6601,<br>6559   | 2321, 2873, 2930 (3),<br>2931 (3)                                       |
| 4609                                | $D_8 : (2 \times 4 : 2)$            | 128   | 935550 | 6562, 6359, 6958,<br>6604, 6902, 6354,<br>6572   | 2322, 2875, 2937,<br>2938   |
| 4610                                | $D_8 : (D_8 \times 2)$              | 128   | 935550 | 6573, 6959 (2), 6960,<br>6728, 6247 (2), 6604,<br>6726, 6961 (2), 6910,<br>6572, 6378 (2)  | 2323, 2875, 2936,<br>2939   |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 4611                                | $Q_8 : (2^2 \times 4)$         | 128   | 311850 | 6757 (3), 6962 (3),<br>6792 (3), 6912 (3),<br>6598, 6605, 6572   | 2324, 2878, 2937 (3),<br>2939 (3) |
| 4612                                | $D_8 : 2^4$                    | 128   | 311850 | 6907 (3), 6963 (6),<br>6776 (3), 6964 (3),<br>6965 (6), 6756 (3),<br>6602, 6248 (2), 6605,<br>6572, 6383 (2) | 2325, 2878, 2936 (3),<br>2938 (3) |
| 4613                                | $2 \times 4^2 : 2 : 2$         | 128   | 935550 | 6379, 6966, 6576,<br>6967, 6565, 6968,<br>6603, 6969, 6569,<br>6970, 6590, 6971,<br>6393, 6972, 6687         | 2326, 2882, 2887,<br>2933         |
| 4614                                | $2^2 \times 4 \cdot 2 : 2 : 2$ | 128   | 467775 | 6300, 6973 (2), 6969<br>(2), 6571 (2), 6566<br>(2), 6974, 6364,<br>6587, 6296, 6975,<br>6603                 | 2327, 2882 (2), 2916<br>(2), 2935 |
| 4615                                | $D_8 \times 2^2 : 2 : 2$       | 128   | 935550 | 6306, 6976, 6586,<br>6977, 6565, 6978,<br>6571, 6974, 6570,<br>6979, 6601, 6980,<br>6501, 6972, 6413         | 2328, 2882, 2884,<br>2931         |
| 4616                                | $D_8 \times 2^3 : 2$           | 128   | 935550 | 6490, 6981, 6982,<br>6590, 6566, 6980,<br>6973, 6584, 6308,<br>6971, 6983, 6579,<br>6403, 6744, 6601         | 2329, 2882, 2888,<br>2930         |
| 4617                                | $D_8 \times 2^2 : 2 : 2$       | 128   | 935550 | 6379, 6747, 6595,<br>6984, 6564, 6978,<br>6587, 6973, 6570,<br>6970, 6579, 6981,<br>6384, 6985, 6688         | 2330, 2882, 2888,<br>2932         |
| 4618                                | $2^4 \cdot 2 : 2 : 2$          | 128   | 935550 | 6306, 6986, 6599,<br>6987, 6564, 6968,<br>6566, 6975, 6569,<br>6979, 6584, 6744,<br>6500, 6985, 6407         | 2331, 2882, 2883,<br>2930         |
| 4619                                | $2^2 \times 4 \cdot 2 : 2 : 2$ | 128   | 935550 | 6490, 6984, 6988,<br>6595, 6307, 6977,<br>6969, 6586, 6571,<br>6967, 6982, 6576,<br>6405, 6987, 6599         | 2332, 2882, 2887,<br>2931         |

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| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 4620                                | $D_8 \times (2 \times 4 : 2)$             | 128   | 935550 | 6305, 6989, 6990,<br>6985, 6738, 6600,<br>6591, 6563, 6406,<br>6991, 6992, 6993,<br>6582, 6581, 6566 | 2333, 2883, 2888,<br>2935         |
| 4621                                | $2 \times 4 \cdot 2 : 2 \times 2 \cdot 2$ | 128   | 935550 | 6500, 6994, 6995,<br>6577, 6307, 6996,<br>6993, 6597, 6563,<br>6997, 6968, 6598,<br>6409, 6998, 6583 | 2334, 2883, 2887,<br>2934         |
| 4622                                | $2^4 \cdot 2 : 2 : 2$                     | 128   | 935550 | 6510, 6744, 6989,<br>6561, 6507, 6999,<br>6990, 6597, 6581,<br>6996, 7000, 6564,<br>6692, 7001, 6584 | 2335, 2883, 2888,<br>2930         |
| 4623                                | $D_8 \times (4^2)$                        | 128   | 467775 | 6504 (2), 6418, 6989<br>(2), 6598, 6986,<br>6562, 6582, 6997 (2),<br>7002, 6564 (2), 6689            | 2336, 2883 (2), 2932,<br>2937 (2) |
| 4624                                | $2 \times 4^2 : 2 : 2$                    | 128   | 935550 | 6510, 6998, 7003,<br>6565, 6505, 7001,<br>6992, 6569, 6600,<br>6979, 7002, 6562,<br>6690, 7004, 6583 | 2337, 2883, 2884,<br>2933         |
| 4625                                | $D_8 \times (2 \times 4 \cdot 2)$         | 128   | 935550 | 6504, 7005, 7003,<br>6577, 6506, 6987,<br>6991, 6561, 6591,<br>6997, 7000, 6599,<br>6691, 6994, 6565 | 2338, 2883, 2887,<br>2931         |
| 4626                                | $2^3 \cdot 2 : 2 \times 2 : 2$            | 128   | 935550 | 6304, 7006, 7007,<br>6578, 6571, 7008,<br>6739, 6596, 6563,<br>7009, 6972, 6585,<br>6412, 7003, 6600 | 2339, 2884, 2887,<br>2935         |
| 4627                                | $2^2 \times 4 \cdot 2 : 2 : 2$            | 128   | 935550 | 6509, 7010, 6592,<br>7011, 6569, 7012,<br>6578, 7006, 6561,<br>6998, 6601, 6977,<br>6511, 7009, 6693 | 2340, 2884, 2887,<br>2930         |
| 4628                                | $D_8 \times 2^2 : 2 : 2$                  | 128   | 935550 | 6505, 7010, 6580,<br>7013, 6570, 7014,<br>6596, 7008, 6561,<br>7015, 6586, 6980,<br>6508, 6992, 6694 | 2341, 2884, 2888,<br>2931         |

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|-------------------------------------|---|-------|--------|--|--------------------------------|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups             |
| 4629                                | $D_8 \times 2^2 \cdot 2 : 2$              | 128   | 467775 | 6509 (2), 7004, 6602, 7015 (2), 6570 (2), 6361, 6585, 7009 (2), 6562, 6976, 6695   | 2342, 2884 (2), 2932, 2938 (2) |
| 4630                                | $2^4 \cdot 2 : 2 : 2$                     | 128   | 935550 | 6501, 7011, 7016, 6580, 6308, 7013, 7007, 6592, 6563, 7015, 6978, 6583, 6415, 7001, 6602   | 2343, 2884, 2888, 2934         |
| 4631                                | $D_8 : (D_8 \times 2)$                    | 128   | 935550 | 6753, 7017 (2), 7018 (2), 7019 (2), 7020 (2), 7021 (2), 7022, 6775, 7023 (2), 6915, 6585, 6607 (2), 6375 (2), 6546 (2), 6606 (2), 6612 (2), 6611, 6572, 6372 (2)         | 2344, 2886, 2938, 2939         |
| 4632                                | $D_8 \times (D_8 : 2)$                    | 128   | 935550 | 6914, 7024, 6793, 7025, 7026, 7027 (2), 7028 (2), 7029 (2), 7030 (2), 7031, 6760, 7032, 6374 (2), 6612, 6611, 6396, 6582, 6607 (2), 6608 (2), 6544 (2), 6572, 6609, 6333 | 2345, 2886, 2936, 2937         |
| 4633                                | $D_8 \times 2^2 : 2 : 2$                  | 128   | 935550 | 6492, 6967, 6574, 6362, 6578, 6994, 6599, 7033, 6511, 7034, 6590, 7006, 6597, 7035, 6781   | 2346, 2887 (2), 2930           |
| 4634                                | $2^5 \cdot 2 : 2$                         | 128   | 935550 | 6491, 7034, 7000, 6576, 6600, 6970, 7036, 6573, 6495, 7010, 7037, 6583, 6782, 7038, 6590   | 2347, 2887, 2888, 2933         |
| 4635                                | $2 \times 4 \cdot 2 \times 2 \cdot 2 : 2$ | 128   | 467775 | 6492 (2), 7039 (2), 6595 (2), 7012, 6585, 7005, 6598, 7033 (2), 6966, 6573, 6745   | 2348, 2887 (2), 2932, 2939 (2) |

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|-------------------------------------|------------------------------------|-------|--------|--|--------------------------------|
| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups             |
| 4636                                | $2^2 \times 4 \cdot 2 : 2 : 2$     | 128   | 935550 | 6491, 7011, 7040, 6586, 6596, 6971, 7036, 6574, 6507, 7035, 6991, 6577, 6783, 7041, 6595                                 | 2349, 2887, 2888, 2931         |
| 4637                                | $D_8 \times (2 \times 4 : 2)$      | 128   | 467775 | 6395, 7033 (2), 7036 (2), 6988, 6739, 6578 (2), 6591 (2), 6575, 6678, 6995, 6603   | 2350, 2887 (2), 2920 (2), 2935 |
| 4638                                | $D_8 \times (2 \times 4 : 2)$      | 128   | 935550 | 6506, 7039, 7040, 6984, 7008, 6576, 6591, 6574, 6784, 7035, 7037, 6996, 6496, 6580, 6601                                 | 2351, 2887, 2888, 2931         |
| 4639                                | $D_8 \times (2 \times 4) : 2$      | 128   | 935550 | 6393, 7039, 7041, 6982, 7007, 6577, 6597, 6575, 6715, 7034, 7038, 6993, 6592, 6580, 6384                                 | 2352, 2887, 2888, 2934         |
| 4640                                | $D_8 \times (D_8 \times 2)$        | 128   | 467775 | 6496 (2), 7042 (4), 7043 (4), 6613 (4), 6487 (4), 6999, 7014, 6602, 6582, 7041 (2), 7044 (2), 6579 (2), 6785, 6747, 6573 | 2353, 2888 (2), 2932, 2936 (2) |
| 4641                                | $2^2 \times 4 : 2 : 2 : 2$         | 128   | 935550 | 6495, 6981, 6574, 7040, 6581, 7013, 6584, 7044, 6508, 7038, 6579, 6990, 6592, 6420, 6786                                 | 2354, 2888 (2), 2930           |
| 4642                                | $2^6 : 2$                          | 128   | 467775 | 6382, 7044 (2), 7037 (2), 7016, 6738, 6596 (2), 6581 (2), 6587, 6679, 6983, 6575   | 2355, 2888 (2), 2922 (2), 2935 |
| 4643                                | $2 \times 4 : 2 : 2 \times 2 : 2$  | 128   | 935550 | 7045, 6737, 6712, 6736, 6575, 6587, 6603   | 2356, 2916, 2920, 2922         |
| 4644                                | $D_8 : (2 \times 4) : 2$           | 128   | 935550 | 7046, 6417, 7047, 6365, 6562, 6611, 6605   | 2357, 2917, 2937, 2938         |
| 4645                                | $2^2 \times 4 \cdot 2 \cdot 2 : 2$ | 128   | 935550 | 6730, 7048 (2), 7049, 7050 (2), 6733, 7051, 6573, 6548 (2), 6611, 6489 (2), 6605   | 2358, 2917, 2936, 2939         |

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|-------------------------------------|-------------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                           | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 4646                                | $D_8 \times (8 : 2)$                | 128   | 935550  | 7052, 7053 (2), 6791, 7054 (2), 7055, 6758, 6582, 6614 (2), 6604, 6488 (2), 6605         | 2359, 2918, 2936, 2937                   |
| 4647                                | $8 : 2 \times 2 \cdot 2 : 2$        | 128   | 935550  | 6773, 7056, 6755, 7057, 6585, 6604, 6605   | 2360, 2918, 2938, 2939                   |
| 4648                                | $D_8 \cdot (D_8 \times 2)$          | 128   | 935550  | 7058, 7059 (2), 6774, 7060, 7061 (2), 6754, 6602, 6486 (2), 6604, 6549 (2), 6611         | 2361, 2924, 2936, 2938                   |
| 4649                                | $Q_8 : (2 \times 4) : 2$            | 128   | 935550  | 6790, 7062, 6759, 7063, 6598, 6604, 6611   | 2362, 2924, 2937, 2939                   |
| 4650                                | $D_8 \cdot (D_8 \times 2)$          | 128   | 1871100 | 7064, 7065, 7066, 7067, 7068, 7069, 7070, 7071, 6613, 6247, 6549, 6609, 6248, 6548, 6614 | 2363, 2936                               |
| 4651                                | $D_8 \cdot (D_8 \times 2)$          | 128   | 1871100 | 7072, 7073, 7074, 7075, 7076, 7077, 7078, 7079, 6613, 6378, 6486, 6612, 6383, 6489, 6614 | 2364, 2936                               |
| 4652                                | $D_8 \times 2 : 2 \times 2 \cdot 2$ | 128   | 467775  | 6682, 6619 (4), 6641, 6645   | 2824, 2891, 2910, 2940, 2943, 2983, 2986 |
| 4653                                | $2^{1+4} : 2^2$                     | 128   | 467775  | 6682, 6238 (4), 6728 (2), 6958 (2), 6620 (4), 6642, 6711                                 | 2824, 2875, 2941, 2942, 2949, 2982, 2987 |
| 4654                                | $D_8 \cdot (2 \times 4) : 2$        | 128   | 467775  | 6682, 6733 (2), 7047 (2), 6647, 6713   | 2825, 2897, 2917, 2942, 2943, 2954, 2965 |
| 4655                                | $D_8 \times 2 : 2 \times 2 \cdot 2$ | 128   | 467775  | 6682, 6239 (4), 6649, 6648   | 2825, 2895, 2915, 2940, 2941, 2952, 2964 |
| 4656                                | $2^{1+4} : 2^2$                     | 128   | 935550  | 6329, 6423, 6288, 6650, 6624, 6625, 6722   | 2826, 2944, 2946                         |
| 4657                                | $D_8 \times 2 \cdot 2 : 2 \times 2$ | 128   | 467775  | 6682, 6623 (2), 6675, 6423 (2), 6652   | 2826, 2910, 2945, 2948, 2949, 2952, 2954 |

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|-------------------------------------|-------------------------------------|-------|--------|--|--|--|--------------------|
| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  |  |  | Minimal Overgroups |
| 4658                                | $D_8 \times 2 : 2 \times 2 \cdot 2$ | 128   | 935550 | 6423, 6653, 6638, 6622, 6696, 6627, 6439   |  | 2828, 2945, 2946                         |                    |
| 4659                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6331, 6628, 6639, 6656, 6288, 6437, 6622   |  | 2828, 2946, 2947                         |                    |
| 4660                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6697, 6629, 6654, 6640, 6621, 6437, 6423   |  | 2828, 2944, 2948                         |                    |
| 4661                                | $D_8 \times 2^2 : 2 \cdot 2$        | 128   | 467775 | 6425, 6622, 6637, 6660, 6716, 6675, 6664   |  | 2829, 2913, 2945, 2947, 2950, 2957, 2959 |                    |
| 4662                                | $2^{1+4} : 2^2$                     | 128   | 467775 | 6719, 6722, 6424, 6657, 6636, 6661, 6622   |  | 2829, 2946 (2), 2951 (2)                 |                    |
| 4663                                | $2^{1+4} : 2^2$                     | 128   | 467775 | 6718, 6722, 6621, 6634, 6659, 6662, 6425   |  | 2829, 2944 (2), 2950 (2)                 |                    |
| 4664                                | $2^3 \cdot 2 : 2 \times 2 \cdot 2$  | 128   | 467775 | 6424, 6663, 6635, 6675, 6677, 6658, 6621   |  | 2829, 2853, 2912, 2948, 2951, 2956, 2958 |                    |
| 4665                                | $2^4 \cdot 2 : 2 \cdot 2$           | 128   | 467775 | 6837, 6675, 6642   |  | 2830, 2911, 2949, 2956, 2957, 2962, 2963 |                    |
| 4666                                | $2 \times 4^2 : 2 \cdot 2$          | 128   | 467775 | 6724, 6675, 6645   |  | 2830, 2861, 2910, 2958, 2959, 2960, 2961 |                    |
| 4667                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6846, 6622, 6667, 6722, 6621, 6665, 6646   |  | 2831, 2950, 2951                         |                    |
| 4668                                | $2 \times 4 : 2 \times 2 : 2 : 2$   | 128   | 467775 | 6621 (2), 6666 (2), 6675, 6647, 6849   |  | 2831, 2912, 2950, 2954, 2955, 2960, 2963 |                    |
| 4669                                | $2 \times 4 : 2 : 2 \times 2 : 2$   | 128   | 467775 | 6622 (2), 6668 (2), 6675, 6848, 6648   |  | 2831, 2913, 2951, 2952, 2953, 2961, 2962 |                    |
| 4670                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6435, 7080 (2), 6625, 7081 (2), 6634, 6640, 6443, 7082 (2), 6626, 6245 (2), 6802 |  | 2832, 2889, 2944                         |                    |
| 4671                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6444, 6628, 6436, 6638, 6636, 6799, 6625   |  | 2832, 2890, 2946                         |                    |

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|-------------------------------------|---------------------------------------|-------|--------|---|--|
| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups   | Minimal Overgroups                             |
| 4672                                | $2 \times 4^2 : 2 \cdot 2$            | 128   | 935550 | 6434, 6638, 6637,<br>6623, 6443, 6681,<br>6627  | 2832, 2866, 2945                               |
| 4673                                | $2^{1+4} : 2^2$                       | 128   | 935550 | 6444, 6800, 6635,<br>6640, 6433, 6629,<br>6623  | 2832, 2867, 2948                               |
| 4674                                | $2^{1+4} : 2^2$                       | 128   | 935550 | 6330, 6628, 6291,<br>6637, 6639, 6800,<br>6435  | 2832, 2866, 2947                               |
| 4675                                | $2^{1+4} : 2^2$                       | 128   | 935550 | 6433, 7083 (2), 7084<br>(2), 6802, 6636,<br>6627, 6252 (2), 7085<br>(2), 6292, 6639, 6624 | 2832, 2863, 2946                               |
| 4676                                | $2^{1+4} : 2^2$                       | 128   | 935550 | 6330, 6799, 6294,<br>6634, 6624, 6629,<br>6434  | 2832, 2865, 2944                               |
| 4677                                | $8 : 2 \times 2 : 2 : 2$              | 128   | 467775 | 6676, 6755 (2), 7055<br>(2), 6642, 6647   | 2833, 2839, 2902,<br>2918, 2942, 2963,<br>2969 |
| 4678                                | $2 \times 4 : 2 : 2 \times 2 \cdot 2$ | 128   | 467775 | 6677, 7086 (2), 6242<br>(2), 6649, 6642   | 2833, 2838, 2898,<br>2925, 2941, 2956,<br>2973 |
| 4679                                | $D_8 \times 2^2 : 2 \cdot 2$          | 128   | 467775 | 6635 (2), 6666 (2),<br>6677, 6647, 6641   | 2833, 2840, 2893,<br>2912, 2943, 2977,<br>2979 |
| 4680                                | $2^2 \times 4 : 2 : 2 : 2$            | 128   | 467775 | 6676, 6751 (2), 6855<br>(2), 6649, 6641   | 2833, 2874, 2908,<br>2928, 2940, 2992,<br>2997 |
| 4681                                | $2^4 : 2 \times 2 \cdot 2$            | 128   | 467775 | 6714, 6243 (4), 6648,<br>6642   | 2834, 2839, 2905,<br>2919, 2941, 2962,<br>2966 |
| 4682                                | $D_8 \times 2 : 2 \times 2 \cdot 2$   | 128   | 467775 | 6637 (2), 6668 (2),<br>6716, 6641, 6648   | 2834, 2840, 2892,<br>2913, 2940, 2974,<br>2981 |
| 4683                                | $D_8 \cdot (2 \times 4) : 2$          | 128   | 467775 | 6716, 7060 (2), 6642,<br>6759 (2), 6713   | 2834, 2838, 2900,<br>2924, 2942, 2957,<br>2972 |
| 4684                                | $2^4 \cdot 2 : 2 : 2$                 | 128   | 467775 | 6714, 6853 (2), 6641,<br>6763 (2), 6713   | 2834, 2874, 2909,<br>2926, 2943, 2991,<br>2994 |
| 4685                                | $8 : 2 : 2 : 2 \times 2$              | 128   | 467775 | 6725, 7087 (4), 6645,<br>6651   | 2835, 2861, 2891,<br>2967, 2968, 2970,<br>2971 |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4686                                | $D_8 \times 2^2 : 2 \cdot 2$          | 128   | 467775 | 6725, 7088 (4), 6642, 6652   | 2835, 2856, 2949, 2966, 2969, 2972, 2973 |
| 4687                                | $2 \times 4 : 2 : 2 \cdot 2 \times 2$ | 128   | 467775 | 6661 (2), 6646 (2), 6663, 6648, 6725   | 2836, 2864, 2892, 2951, 2964, 2966, 2967 |
| 4688                                | $2 \times 4 : 2 : 2 \cdot 2 \times 2$ | 128   | 467775 | 6662 (2), 6646 (2), 6664, 6647, 6725   | 2836, 2893, 2906, 2950, 2965, 2968, 2969 |
| 4689                                | $2^{1+4} : 2^2$                       | 128   | 467775 | 6714, 6241 (4), 6854 (2), 6797 (2), 6649, 6632 (4), 6711                     | 2837, 2874, 2885, 2941, 2990, 2995, 3000 |
| 4690                                | $D_8 \times 2^2 : 2 \cdot 2$          | 128   | 467775 | 6716, 6670 (2), 6633 (2), 6645, 6649   | 2837, 2838, 2899, 2923, 2940, 2959, 2970 |
| 4691                                | $2 \times 4 : 2 : 2 \times 2 \cdot 2$ | 128   | 467775 | 6714, 6645, 6630 (4), 6647   | 2837, 2839, 2903, 2921, 2943, 2960, 2968 |
| 4692                                | $2^{1+4} : 2^2$                       | 128   | 467775 | 6716, 6964 (2), 6792 (2), 6665 (2), 6634 (2), 6669 (2), 6631 (2), 6711, 6647 | 2837, 2840, 2878, 2942, 2950, 2976, 2978 |
| 4693                                | $D_8 \times 2 : 2 \times 2 \cdot 2$   | 128   | 467775 | 6738 (2), 6736 (2), 6677, 6645, 6713   | 2838, 2857, 2901, 2922, 2943, 2958, 2971 |
| 4694                                | $D_8 \times 2^3 \cdot 2$              | 128   | 467775 | 6739 (2), 6737 (2), 6676, 6648, 6645   | 2839, 2857, 2904, 2920, 2940, 2961, 2967 |
| 4695                                | $2^{1+4} : 2^2$                       | 128   | 935550 | 6718, 6637, 6666, 6646, 6667, 6634, 6807                                     | 2840, 2892, 2950                         |
| 4696                                | $2^{1+4} : 2^2$                       | 128   | 935550 | 6719, 6668, 6636, 6807, 6635, 6665, 6646                                     | 2840, 2893, 2951                         |
| 4697                                | $2^{1+4} : 2^2$                       | 128   | 467775 | 6740 (2), 7089 (2), 6240 (2), 6735 (2), 6677, 6667 (2), 6636 (2), 6711, 6648 | 2840, 2857, 2877, 2941, 2951, 2975, 2980 |
| 4698                                | $D_8 \times 2 : 2 \times 2 \cdot 2$   | 128   | 467775 | 6426 (2), 6664, 6638 (2), 6680, 6682   | 2841, 2890, 2915, 2945, 2965, 2982, 2986 |
| 4699                                | $2^{1+4} : 2^2$                       | 128   | 935550 | 6329, 6428, 6293, 6825, 6639, 6638, 6661                                     | 2841, 2866, 2946                         |

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| Nr.                                 | Structure                    | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4700                                | $2^{1+4} : 2^2$              | 128   | 467775 | 6428 (2), 7090 (4), 6663, 7046 (2), 6640 (2), 6827, 6682, 6730 (2)               | 2841, 2889, 2917, 2948, 2964, 2983, 2987 |
| 4701                                | $2^{1+4} : 2^2$              | 128   | 935550 | 6329, 6662, 6294, 6426, 6427, 6825, 6640   | 2841, 2867, 2944                         |
| 4702                                | $2^{1+4} : 2^2$              | 128   | 467775 | 6427 (2), 7045 (2), 7085 (4), 6664, 6639 (2), 6827, 6296 (2), 6290               | 2841, 2863, 2906, 2916, 2947, 2984, 2988 |
| 4703                                | $2^{1+4} : 2^2$              | 128   | 935550 | 6331, 6430, 6427, 6656, 6291, 6800, 6660   | 2842, 2867, 2947                         |
| 4704                                | $2^{1+4} : 2^2$              | 128   | 935550 | 6331, 6799, 6293, 6657, 6624, 6432, 6653   | 2842, 2865, 2946                         |
| 4705                                | $2^{1+4} : 2^2$              | 128   | 935550 | 6431, 7085 (2), 6298 (2), 6659, 6802, 6654, 7083 (2), 7091 (2), 6295, 6427, 6624 | 2842, 2863, 2944                         |
| 4706                                | $2^{1+4} : 2^2$              | 128   | 935550 | 6697, 6426, 6659, 6799, 6655, 6625, 6430   | 2842, 2890, 2944                         |
| 4707                                | $2^{1+4} : 2^2$              | 128   | 935550 | 6429, 7092 (2), 6657, 7093 (2), 6802, 6656, 6696, 7094 (2), 6428, 7095 (2), 6625 | 2842, 2889, 2946                         |
| 4708                                | $2^{1+4} : 2^2$              | 128   | 935550 | 6697, 6428, 6658, 6800, 6654, 6623, 6432   | 2842, 2866, 2948                         |
| 4709                                | $D_8 \times 2^2 \cdot 2 : 2$ | 128   | 935550 | 6431, 6660, 6681, 6653, 6696, 6426, 6623   | 2842, 2867, 2945                         |
| 4710                                | $2^{1+4} : 2^2$              | 128   | 935550 | 6718, 6650, 6655, 6434, 6654, 6825, 6435   | 2843, 2866, 2944                         |
| 4711                                | $2^{1+4} : 2^2$              | 128   | 467775 | 6433 (2), 7091 (2), 6679 (2), 6827, 6652, 6677, 7045 (2), 7084 (2), 6654 (2)     | 2843, 2863, 2922, 2948, 2973, 2977, 2980 |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4712                                | $2 \times 4 : 2 : 2 \times 2 \cdot 2$ | 128   | 467775 | 6436 (2), 6680, 6651, 6677, 6655 (2)   | 2843, 2853, 2890, 2925, 2971, 2975, 2979 |
| 4713                                | $D_8 \times 2 : 2 \times 2 \cdot 2$   | 128   | 467775 | 6434 (2), 6652, 6680, 6716, 6653 (2)   | 2843, 2865, 2923, 2945, 2972, 2976, 2981 |
| 4714                                | $2^{1+4} : 2^2$                       | 128   | 935550 | 6719, 6825, 6436, 6656, 6433, 6650, 6653                                     | 2843, 2867, 2946                         |
| 4715                                | $2^{1+4} : 2^2$                       | 128   | 467775 | 6435 (2), 6790 (2), 6827, 7096 (2), 6651, 6716, 7097 (2), 6656 (2), 7058 (2) | 2843, 2889, 2924, 2947, 2970, 2974, 2978 |
| 4716                                | $D_8 \times 2^2 : 2 \cdot 2$          | 128   | 935550 | 6430, 6662, 6629, 6650, 6717, 6431, 6626                                     | 2844, 2867, 2944                         |
| 4717                                | $2^2 \times 8 : 2 : 2$                | 128   | 467775 | 6429 (2), 7052 (2), 6663, 7098 (4), 6626 (2), 6651, 6676, 6773 (2)           | 2844, 2853, 2889, 2918, 2967, 2993, 2997 |
| 4718                                | $D_8 \times 2^2 : 2 \cdot 2$          | 128   | 935550 | 6432, 6661, 6628, 6650, 6717, 6429, 6627                                     | 2844, 2866, 2946                         |
| 4719                                | $2^2 \times 4 : 2 : 2 \times 2$       | 128   | 467775 | 6431 (2), 7083 (4), 6678 (2), 6664, 6627 (2), 6652, 7045 (2), 6676           | 2844, 2863, 2920, 2945, 2969, 2992, 2996 |
| 4720                                | $2 \times 4 : 2 : 2 \times 2 \cdot 2$ | 128   | 467775 | 6430 (2), 6664, 6628 (2), 6651, 6714   | 2844, 2890, 2919, 2947, 2968, 2990, 2994 |
| 4721                                | $2 \times 4 : 2 : 2 \times 2 \cdot 2$ | 128   | 467775 | 6432 (2), 6663, 6629 (2), 6652, 6714   | 2844, 2865, 2921, 2948, 2966, 2991, 2995 |
| 4722                                | $2 \times 4^2 : 2 \cdot 2$            | 128   | 467775 | 6724, 6641, 6652   | 2845, 2856, 2910, 2977, 2981, 2991, 2992 |
| 4723                                | $2^{1+4} : 4$                         | 128   | 467775 | 6923 (2), 6710 (2), 6837, 6711, 6652   | 2845, 2876, 2949, 2976, 2980, 2995, 2996 |
| 4724                                | $2^{1+4} : 4$                         | 128   | 467775 | 6724, 6359 (2), 6711, 6960 (2), 6651   | 2845, 2861, 2875, 2975, 2978, 2990, 2993 |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups                             |
| 4725                                | $2^4 \cdot 2 : 2 \cdot 2$           | 128   | 467775 | 6837, 6641, 6651  | 2845, 2891, 2911,<br>2974, 2979, 2994,<br>2997 |
| 4726                                | $2^{1+4} : 2^2$                     | 128   | 467775 | 6657 (2), 7099 (4),<br>6665 (2), 6663, 6776<br>(2), 6711, 6848, 6962<br>(2) | 2846, 2878, 2951,<br>2985, 2987, 2993,<br>2995 |
| 4727                                | $D_8 \times 2 : 2 \cdot 2 \times 2$ | 128   | 467775 | 6660 (2), 6668 (2),<br>6664, 6641, 6848                                     | 2846, 2893, 2913,<br>2984, 2986, 2992,<br>2994 |
| 4728                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6846, 6661, 6658,<br>6668, 6667, 6807,<br>6657                              | 2846, 2892, 2951                               |
| 4729                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6846, 6807, 6666,<br>6665, 6659, 6662,<br>6660                              | 2846, 2893, 2950                               |
| 4730                                | $D_8 \times 2 : 2 \cdot 2 \times 2$ | 128   | 467775 | 6658 (2), 6641, 6663,<br>6666 (2), 6849                                     | 2846, 2892, 2912,<br>2983, 2989, 2991,<br>2997 |
| 4731                                | $2^{1+4} : 2^2$                     | 128   | 467775 | 6659 (2), 6735 (2),<br>6711, 6664, 7089 (4),<br>6667 (2), 6947 (2),<br>6849 | 2846, 2877, 2950,<br>2982, 2988, 2990,<br>2996 |
| 4732                                | $D_8 \cdot (2 \times 4) : 2$        | 128   | 467775 | 6651, 7062 (2), 6713,<br>6848, 6774 (2)                                     | 2847, 2897, 2924,<br>2953, 2971, 2993,<br>2994 |
| 4733                                | $2^2 \times 4 : 2 : 2 : 2$          | 128   | 467775 | 6652, 7100 (4), 6649,<br>6848   | 2847, 2894, 2923,<br>2952, 2973, 2992,<br>2995 |
| 4734                                | $8 : 2 \times 2 : 2 : 2$            | 128   | 467775 | 6651, 7101 (4), 6649,<br>6849   | 2847, 2895, 2925,<br>2955, 2970, 2990,<br>2997 |
| 4735                                | $2^5 \cdot 2 : 2$                   | 128   | 467775 | 6652, 6712 (2), 6713,<br>6849, 6983 (2)                                     | 2847, 2896, 2922,<br>2954, 2972, 2991,<br>2996 |
| 4736                                | $8 : 2 \times 2 \cdot 2 : 2$        | 128   | 467775 | 6651, 6791 (2), 6842,<br>7056 (2), 6647                                     | 2848, 2897, 2918,<br>2955, 2968, 2978,<br>2979 |
| 4737                                | $2^2 \times 4 : 2 : 2 \cdot 2$      | 128   | 467775 | 6652, 6844, 6647  | 2848, 2894, 2921,<br>2954, 2969, 2976,<br>2977 |
| 4738                                | $8 : 2 \times 2 : 2 \cdot 2$        | 128   | 467775 | 6651, 6844, 6648  | 2848, 2895, 2919,<br>2953, 2967, 2974,<br>2975 |

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| Nr.                                 | Structure                               | Order | Length  | Maximal Subgroups                        | Minimal Overgroups                       |
| 4739                                | $2^3 \cdot 2 \times 2 \cdot 2 : 2$      | 128   | 467775  | 6652, 6988 (2), 6842, 6712 (2), 6648     | 2848, 2896, 2920, 2952, 2966, 2980, 2981 |
| 4740                                | $2^4 \cdot 2 \cdot 2 : 2$               | 128   | 467775  | 6664, 6975 (2), 6837, 6736 (2), 6713     | 2849, 2901, 2916, 2957, 2965, 2994, 2996 |
| 4741                                | $2 \times 4 : 2 \cdot 2 \cdot 2 : 2$    | 128   | 467775  | 6663, 7051 (2), 6724, 6365 (2), 6713     | 2849, 2864, 2900, 2917, 2958, 2991, 2993 |
| 4742                                | $2 \times 4 : 2 \times 2 : 2 \cdot 2$   | 128   | 467775  | 6664, 6724, 6649                         | 2849, 2898, 2906, 2915, 2959, 2990, 2992 |
| 4743                                | $8 : 2 \times 2 : 2 \cdot 2$            | 128   | 467775  | 6663, 6837, 6649                         | 2849, 2899, 2914, 2956, 2964, 2995, 2997 |
| 4744                                | $D_8 \times 2 \cdot 2 \times 2 \cdot 2$ | 128   | 467775  | 6664, 6995 (2), 6842, 6736 (2), 6645     | 2850, 2901, 2920, 2959, 2968, 2986, 2988 |
| 4745                                | $8 : 2 \times 2 : 2 \cdot 2$            | 128   | 467775  | 6663, 6844, 6645                         | 2850, 2899, 2921, 2958, 2967, 2983, 2985 |
| 4746                                | $2 \times 4 : 2 \times 2 : 2 \cdot 2$   | 128   | 467775  | 6664, 6844, 6642                         | 2850, 2898, 2919, 2957, 2969, 2982, 2984 |
| 4747                                | $8 : 2 \times 2 \cdot 2 : 2$            | 128   | 467775  | 6663, 7057 (2), 6842, 6758 (2), 6642     | 2850, 2900, 2918, 2956, 2966, 2987, 2989 |
| 4748                                | $2^3 \cdot 2 \times 2 : 2 \cdot 2$      | 128   | 467775  | 6680, 6648, 6724                         | 2851, 2864, 2905, 2915, 2961, 2975, 2981 |
| 4749                                | $2^{1+4} : 4$                           | 128   | 467775  | 6827, 6417 (2), 6647, 6724, 7049 (2)     | 2851, 2902, 2906, 2917, 2960, 2977, 2978 |
| 4750                                | $2^2 \times 4 : 2 : 2 \cdot 2$          | 128   | 467775  | 6680, 6647, 6837                         | 2851, 2903, 2914, 2963, 2965, 2976, 2979 |
| 4751                                | $2^{1+4} : 4$                           | 128   | 467775  | 6827, 6737 (2), 6648, 6837, 6974 (2)     | 2851, 2904, 2916, 2962, 2964, 2974, 2980 |
| 4752                                | $2^{1+4} : 2^2$                         | 128   | 1871100 | 6845, 6824, 6672, 6671, 6673, 6643, 6674 | 2852                                     |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4753                                | $D_8 \times 2 \cdot 2 : 2 \times 2$    | 128   | 467775 | 6680, 6672 (4), 6849, 6642   | 2852, 2905, 2925, 2963, 2972, 2982, 2989 |
| 4754                                | $2^{1+4} : 2^2$                        | 128   | 467775 | 6827, 7063 (2), 7102 (4), 6671 (4), 6848, 6754 (2), 6642   | 2852, 2902, 2924, 2962, 2973, 2984, 2987 |
| 4755                                | $D_8 \times 2 \cdot 2 : 2 \times 2$    | 128   | 467775 | 6680, 6674 (4), 6848, 6645   | 2852, 2903, 2923, 2961, 2971, 2985, 2986 |
| 4756                                | $2^{1+4} : 2^2$                        | 128   | 467775 | 6827, 7103 (4), 7016 (2), 6673 (4), 6849, 6737 (2), 6645   | 2852, 2904, 2922, 2960, 2970, 2983, 2988 |
| 4757                                | $2 \times 4 : 2 : 2 \times 2 \times 2$ | 128   | 467775 | 6439 (2), 6829 (2), 6680, 6821 (4), 6769 (2), 6676, 6675, 6681 (2)   | 2853, 2859, 2928, 2945, 2961, 2963, 3001 |
| 4758                                | $2^2 \times 4 \cdot 2 : 2 : 2$         | 128   | 467775 | 6400 (2), 6836 (2), 6851 (2), 6852 (2), 6682, 6850 (2), 6837, 6725, 6803 (2)   | 2854, 2891, 2949, 2964, 2965, 2998, 2999 |
| 4759                                | $D_8 \times (D_8 \times 2)$            | 128   | 467775 | 6399 (2), 6687 (2), 6264 (2), 6683 (2), 6699 (4), 6697 (2), 6677, 6703 (4), 6690 (2), 6782 (2), 6682, 6444 (2), 6708 (2), 6685 (2), 6714     | 2855, 2890, 2933, 2941, 2943, 2948, 2998 |
| 4760                                | $D_8 \times 2^3 : 2$                   | 128   | 467775 | 6398 (2), 6688 (2), 6696 (2), 6684 (2), 6702 (2), 6271 (4), 6676, 6698 (4), 6689, 6745, 6682, 6686 (2), 6716, 6695, 6443 (2), 6704 (2), 6785 | 2855, 2889, 2932, 2940, 2942, 2945, 2999 |
| 4761                                | $D_8 : (D_8 \times 2)$                 | 128   | 467775 | 6676, 7020 (4), 6377 (4), 6355 (4), 7030 (4), 6771 (2), 6768 (2), 6734 (2), 6741 (2), 6775 (2), 7026 (2), 6711, 6713                         | 2857, 2874, 2886, 2942, 2993, 2996, 3001 |

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| Nr.                                 | Structure                           | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 4762                                | $2 \times 4 : 2 : 2 \times 2 : 2$   | 128   | 935550  | 6679, 6734, 6740,<br>6712, 6738, 6737,<br>6710   | 2857, 2922, 2980                               |
| 4763                                | $D_8 \times 2 \cdot 2 \times 2 : 2$ | 128   | 935550  | 6678, 6735, 6739,<br>6710, 6741, 6736,<br>6712   | 2857, 2920, 2996                               |
| 4764                                | $2^{1+4} : 2^2$                     | 128   | 935550  | 6803, 6811, 6644 (2),<br>6809 (2), 6806, 6353,<br>6720, 6814, 6721 (2),<br>6812 (2), 6360            | 2858, 3002, 3003                               |
| 4765                                | $2^{1+4} : 2^2$                     | 128   | 467775  | 6725, 6812 (4), 6711,<br>6810 (2), 6807 (2),<br>6360 (2), 6722 (2),<br>6675                          | 2858, 2861, 2949,<br>2950, 2951, 3000,<br>3001 |
| 4766                                | $2^{1+4} : 2^2$                     | 128   | 1871100 | 6438, 6821, 6824,<br>6816, 6823, 6830,<br>6440, 6834, 6801,<br>6828, 6798, 6833,<br>6721, 6815, 6822 | 2859   |
| 4767                                | $2^{1+4} : 2^2$                     | 128   | 467775  | 6437 (2), 6816 (4),<br>6827, 6714, 6794 (2),<br>6832 (2), 6800 (2),<br>6675                          | 2859, 2926, 2947,<br>2948, 2960, 2962,<br>3000 |
| 4768                                | $2^4 \cdot 2 : 2 \times 2$          | 128   | 935550  | 6438 (2), 6829, 6826,<br>6794, 6789, 6819 (2),<br>6801 (2), 6817 (2),<br>6720, 6357, 6761            | 2859, 2927, 3003                               |
| 4769                                | $2^{1+4} : 2^2$                     | 128   | 935550  | 6440 (2), 6769, 6826,<br>6832, 6787, 6818 (2),<br>6798 (2), 6820 (2),<br>6720, 6749, 6831            | 2859, 2929, 3002                               |
| 4770                                | $2^{1+4} : 2^2$                     | 128   | 935550  | 6439, 6820 (2), 6825,<br>6817 (2), 6717, 6833<br>(2), 6437, 6828 (2),<br>6802, 6799, 6722            | 2859, 2944, 2946                               |
| 4771                                | $D_8 : (2 \times 4) \cdot 2$        | 128   | 935550  | 6720, 6764, 6808,<br>6796, 6843, 6839,<br>6840   | 2860, 2929, 3003                               |
| 4772                                | $2^2 \times 4 \cdot 2 : 2 \cdot 2$  | 128   | 467775  | 6675, 6770 (2), 6713,<br>6844, 6840 (2)  | 2860, 2926, 2953,<br>2954, 2957, 2958,<br>3001 |

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| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups                             |
| 4773                                | $D_8 \times (2 \times 4) \cdot 2$ | 128   | 935550 | 6720, 6752, 6808,<br>6770, 6841, 6358,<br>6838   | 2860, 2927, 3002                               |
| 4774                                | $2^2 \times 4 : 2 \cdot 2 : 2$    | 128   | 467775 | 6675, 6796 (2), 6649,<br>6842, 6838 (2)  | 2860, 2928, 2952,<br>2955, 2956, 2959,<br>3000 |
| 4775                                | $D_8 \times 2 : 2 \times 2 : 2$   | 128   | 935550 | 6412, 6723, 6890,<br>6362, 6678, 6898,<br>6886, 7012, 6421,<br>6968, 7000, 6860,<br>7040, 6982, 6873   | 2862, 2887, 2930                               |
| 4776                                | $2^2 \times 4 : 2 \times 2 : 2$   | 128   | 935550 | 6406, 6869, 6894,<br>6982, 6679, 6886,<br>6864, 6978, 6402,<br>7014, 7000, 6876,<br>7040 (2), 6723   | 2862, 2888, 2931                               |
| 4777                                | $2^4 : 2 \times 2 : 2$            | 128   | 467775 | 6676, 6869 (2), 6725,<br>6860, 6421 (2), 6805,<br>6876 (2), 6873 (2),<br>6844, 6363, 6864  | 2862, 2871, 2908,<br>2967, 2969, 2999,<br>3001 |
| 4778                                | $D_8 \times (D_8 \times 2)$       | 128   | 467775 | 6719 (2), 6884 (4),<br>6942 (2), 6950 (2),<br>6953 (4), 6846 (2),<br>6677, 6886 (2), 6898<br>(2), 6402 (2), 6894<br>(2), 6890 (2), 6848,<br>6805 (2), 6725 | 2862, 2873, 2893,<br>2951, 2971, 2973,<br>2998 |
| 4779                                | $2^4 \cdot 2 : 2 : 2$             | 128   | 467775 | 6296 (2), 6982 (2),<br>6898 (2), 6968 (2),<br>6290, 6848, 6978 (2),<br>6844, 6876 (2)  | 2862, 2882, 2894,<br>2934, 2953, 2984,<br>2985 |
| 4780                                | $2^4 \cdot 2 : 2 : 2$             | 128   | 467775 | 6412 (2), 6978 (2),<br>6894 (2), 7012, 6676,<br>6848, 7014, 6873 (2),<br>6724, 7002, 6361  | 2862, 2884, 2902,<br>2932, 2961, 2992,<br>2993 |
| 4781                                | $2^2 \times 4 : 2 \times 2 : 2$   | 128   | 467775 | 6406 (2), 6869 (2),<br>6890 (2), 6844, 6677,<br>7000 (2), 6968 (2),<br>7002 (2), 6724  | 2862, 2883, 2898,<br>2933, 2958, 2975,<br>2977 |
| 4782                                | $2^5 \cdot 2 : 2$                 | 128   | 467775 | 6680, 6879 (2), 6713,<br>6725, 6366 (2)  | 2864, 2872, 2909,<br>2965, 2971, 2972,<br>3001 |

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| Nr.                                 | Structure                    | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 4783                                | $2^{1+4} : 2^2$              | 128   | 935550 | 6448 (2), 7093 (2),<br>7081 (2), 6903 (2),<br>6757, 6730, 6790,<br>6726, 6745, 6773,<br>6753  | 2868, 2889, 2939   |
| 4784                                | $2 \times 4^2 \cdot 2 : 2$   | 128   | 935550 | 6730, 6615 (2), 6754,<br>6777 (2), 6776, 6728,<br>6758, 7077 (2), 6793,<br>7069 (2), 6747   | 2868, 2936, 2987   |
| 4785                                | $D_8 \cdot 2^3 : 2$          | 128   | 935550 | 6790, 6774, 6748,<br>6731, 6759, 6727,<br>6754  | 2868, 2924, 3006   |
| 4786                                | $Q_8 : (D_8 \times 2)$       | 128   | 935550 | 6726, 7073 (2), 6774,<br>7065 (2), 6756, 6733,<br>6760, 6404 (2), 6791,<br>6249 (2), 6747   | 2868, 2897, 2936   |
| 4787                                | $2^{1+4} : 2^2$              | 128   | 935550 | 6909 (2), 7099 (2),<br>6631 (2), 6911 (2),<br>6757, 6732, 6792,<br>6729, 6748, 6776,<br>6756  | 2868, 2878, 3006   |
| 4788                                | $8 : 2 : 2 \times 2 : 2$     | 128   | 935550 | 6773, 6727, 6732,<br>6755, 6758, 6791,<br>6746  | 2868, 2918, 3004   |
| 4789                                | $D_8 : (2 \times 4) : 2$     | 128   | 935550 | 6745, 6733, 6792,<br>6775, 6759, 6728,<br>6755  | 2868, 2939, 2942   |
| 4790                                | $D_8 : (D_8 \times 2)$       | 128   | 935550 | 6753, 6765 (2), 6386<br>(2), 7027 (2), 7021<br>(2), 6731, 6919 (2),<br>6729, 6932 (2), 6775,<br>6760, 7019 (2), 6939<br>(2), 6918 (2), 7024<br>(2), 6793, 6390 (2),<br>6355 (2), 6746 | 2868, 2886, 3004   |
| 4791                                | $D_8 \times 2^2 : 2 : 2$     | 128   | 935550 | 6832, 6765 (2), 6838,<br>6928 (2), 6854, 6926<br>(2), 6766, 6924 (2),<br>6804, 6360, 6416   | 2870, 3000, 3002   |
| 4792                                | $D_8 \times 2^2 \cdot 2 : 2$ | 128   | 935550 | 6831, 6926 (2), 6358,<br>6925 (2), 6853, 6389<br>(2), 6858, 6929 (2),<br>6804, 6353, 6366   | 2870, 2909, 3002   |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4793                                | $D_8 \times 2^2 : 2 : 2$       | 128   | 935550 | 6357, 6928 (2), 6839, 6388 (2), 6855, 6925 (2), 6856, 6927 (2), 6805, 6353, 6416   | 2870, 2908, 3003                         |
| 4794                                | $2^4 \cdot 2 \times 2 : 2$     | 128   | 935550 | 6829, 6924 (2), 6840, 6927 (2), 6768, 6929 (2), 6857, 6767 (2), 6805, 6360, 6366   | 2870, 3001, 3003                         |
| 4795                                | $D_8 \times 2^3 : 2$           | 128   | 467775 | 6787, 6804, 6868 (2), 6363, 6874 (2), 6841, 6684 (2), 6865, 6877 (2), 6862, 6803   | 2871, 2999 (2), 3002 (2)                 |
| 4796                                | $D_8 \times (2 \times 4) : 2$  | 128   | 467775 | 6714, 6867 (2), 6422 (2), 6871 (2), 6878 (2), 6859, 6842, 6863, 6725, 6419, 6804   | 2871, 2907, 2909, 2966, 2968, 2998, 3000 |
| 4797                                | $2^3 \cdot 2 \times 2 : 2 : 2$ | 128   | 467775 | 6789, 6419, 6872 (2), 6805, 6870 (2), 6843, 6683 (2), 6861, 6875 (2), 6866, 6803   | 2871, 2998 (2), 3003 (2)                 |
| 4798                                | $D_8 \times 2^2 \cdot 2 : 2$   | 128   | 935550 | 6826, 6416, 6808, 6366, 6803, 6882, 6881   | 2872, 3002, 3003                         |
| 4799                                | $2^{1+4} : 2^2$                | 128   | 467775 | 6827, 7104 (4), 7105 (4), 6880 (2), 6649, 6725, 6416 (2)   | 2872, 2906, 2908, 2964, 2970, 2973, 3000 |
| 4800                                | $D_8 \times (D_8 \times 2)$    | 128   | 935550 | 6788, 6845 (2), 6884 (2), 6941 (2), 6948 (2), 6943 (2), 6949 (2), 6883 (2), 6835 (2), 6803, 6805, 6899, 6892, 6897, 6896, 6885, 6686, 6847, 6888, 6889, 6685, 6895, 6804 | 2873, 2998, 2999                         |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4801                                | $D_8 \times (D_8 \times 2)$           | 128   | 467775 | 6716, 6883 (4), 6846 (2), 6957 (2), 6944 (4), 6954 (2), 6718 (2), 6804 (2), 6725, 6891 (2), 6900 (2), 6893 (2), 6887 (2), 6401 (2), 6849 | 2873, 2892, 2907, 2950, 2970, 2972, 2999 |
| 4802                                | $2^2 \times 4 : 2 : 2 : 2$            | 128   | 935550 | 6787, 6771, 6853, 6806, 6854, 6751, 6808   | 2874, 2929, 3002                         |
| 4803                                | $2^2 \times 4 : 2 : 2 \cdot 2$        | 128   | 935550 | 6789, 6763, 6768, 6806, 6855, 6797, 6808   | 2874, 2927, 3003                         |
| 4804                                | $2^{1+4} : 4$                         | 128   | 935550 | 6921, 6960, 6958, 6727, 6902, 6910, 6729   | 2875, 3004, 3006                         |
| 4805                                | $2^{1+4} : 2^2$                       | 128   | 935550 | 6908 (2), 6911 (2), 6669 (2), 6732, 6907, 6912, 6955, 7099 (2), 6729, 6964, 6962   | 2878, 3004, 3005                         |
| 4806                                | $2 \times 4 : 2 : 2 \times 2 : 2$     | 128   | 935550 | 6826, 6772, 6806, 6750, 6841, 6858, 6766   | 2879, 2927, 3002                         |
| 4807                                | $2^{1+4} : 4$                         | 128   | 467775 | 6680, 6857 (2), 6711, 6844, 6772 (2)   | 2879, 2885, 2975, 2976, 2982, 2985, 3001 |
| 4808                                | $2^{1+4} : 4$                         | 128   | 467775 | 6827, 6856 (2), 6641, 6844, 6750 (2)   | 2879, 2908, 2926, 2974, 2977, 2983, 2984 |
| 4809                                | $2^2 \times 4 \cdot 2 : 2 : 2$        | 128   | 935550 | 6826, 6857, 6806, 6856, 6843, 6762, 6795   | 2879, 2929, 3003                         |
| 4810                                | $2 \times 4 : 2 : 2 \times 2 \cdot 2$ | 128   | 467775 | 6680, 6858 (2), 6641, 6842, 6762 (2)   | 2879, 2909, 2928, 2979, 2981, 2986, 2989 |
| 4811                                | $D_8 : (D_8 \times 2)$                | 128   | 467775 | 6827, 6917 (4), 6386 (4), 7022 (2), 6933 (2), 7028 (4), 6766 (2), 6711, 7018 (4), 6842, 6793 (2), 6734 (2), 6795 (2)                     | 2879, 2886, 2978, 2980, 2987, 2988, 3000 |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups |
| 4812                                | $2 \times 4 : 2 : 2 \times 2 : 2$   | 128   | 935550 | 6357, 6880, 6813,<br>6855, 6752, 6750,<br>6864  | 2880, 2908, 2927   |
| 4813                                | $2^3 \cdot 2 \times 2 \cdot 2 : 2$  | 128   | 935550 | 6829, 6879, 6810,<br>6768, 6770, 6772,<br>6864  | 2880, 2927, 3001   |
| 4814                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 6831, 6391 (4), 6881,<br>7106 (4), 6811, 6854,<br>6752, 6772, 6865  | 2880, 2885, 3002   |
| 4815                                | $D_8 \times 2 \cdot 2 \times 2 : 2$ | 128   | 935550 | 6832, 6882, 6814,<br>6853, 6770, 6750,<br>6865  | 2880, 2926, 3002   |
| 4816                                | $D_8 : (D_8 \times 2)$              | 128   | 935550 | 6357, 7023 (2), 7018<br>(2), 6916 (2), 6882,<br>6919 (2), 7019 (2),<br>6811, 6387 (2), 6934<br>(2), 6388 (2), 6768,<br>7032 (2), 7029 (2),<br>6764, 6939 (2), 6795,<br>6866, 7030 (2) | 2880, 2886, 3003   |
| 4817                                | $2^3 \cdot 2 : 2 \times 2 : 2$      | 128   | 935550 | 6829, 6881, 6814,<br>6855, 6796, 6762,<br>6866  | 2880, 2928, 3003   |
| 4818                                | $2^3 \cdot 2 \times 2 \cdot 2 : 2$  | 128   | 935550 | 6831, 6879, 6813,<br>6853, 6764, 6762,<br>6863  | 2880, 2909, 2929   |
| 4819                                | $2 \times 4 : 2 : 2 \times 2 : 2$   | 128   | 935550 | 6832, 6880, 6810,<br>6854, 6796, 6795,<br>6863  | 2880, 2929, 3000   |
| 4820                                | $D_8 : (D_8 \times 2)$              | 128   | 935550 | 6749, 6389 (2), 6940<br>(2), 6390 (2), 6882,<br>7027 (2), 7031 (2),<br>6811, 7020 (2), 6771,<br>6358, 6916 (2), 7028<br>(2), 7023 (2), 6766,<br>7017 (2), 6920 (2),<br>6862, 6932 (2) | 2881, 2886, 3002   |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups                             |
| 4821                                | $2 \times 4 : 2 : 2 \times 2 : 2$     | 128   | 935550 | 6769, 6881, 6814,<br>6751, 6838, 6858,<br>6862   | 2881, 2928, 3002                               |
| 4822                                | $2 \times 4 : 2 : 2 \times 2 \cdot 2$ | 128   | 935550 | 6761, 6879, 6813,<br>6763, 6358, 6858,<br>6859   | 2881, 2909, 2927                               |
| 4823                                | $2 \times 4 : 2 : 2 \times 2 : 2$     | 128   | 935550 | 6794, 6880, 6810,<br>6797, 6838, 6766,<br>6859   | 2881, 2927, 3000                               |
| 4824                                | $2^{1+4} : 4$                         | 128   | 935550 | 6749, 6880, 6813,<br>6751, 6839, 6856,<br>6860   | 2881, 2908, 2929                               |
| 4825                                | $2 \times 4 : 2 : 2 \times 2 : 2$     | 128   | 935550 | 6769, 6879, 6810,<br>6771, 6840, 6857,<br>6860   | 2881, 2929, 3001                               |
| 4826                                | $2^{1+4} : 4$                         | 128   | 935550 | 6761, 6881, 6811,<br>6797, 6839, 6857,<br>6861   | 2881, 2885, 3003                               |
| 4827                                | $2 \times 4 : 2 : 2 : 2 \cdot 2$      | 128   | 935550 | 6794, 6882, 6814,<br>6763, 6840, 6856,<br>6861   | 2881, 2926, 3003                               |
| 4828                                | $D_8 \times 2^2 : 2 : 2$              | 128   | 935550 | 6400, 6899, 6987,<br>6984, 6841, 6876,<br>6969, 6974, 6847,<br>6877, 6980, 6971,<br>6688, 6900, 6407 | 2882, 2931, 2999                               |
| 4829                                | $D_8 \times 2^2 : 2 : 2$              | 128   | 467775 | 6682, 6986, 6405 (2),<br>6899 (2), 6842, 6966,<br>6973 (2), 6875 (2),<br>6848, 6976, 6747            | 2882, 2897, 2932,<br>2952, 2986, 2987,<br>2998 |
| 4830                                | $2^2 \times 4 : 2 \times 2 : 2$       | 128   | 935550 | 6400, 6875, 6967,<br>6977, 6843, 6898,<br>6975, 6973, 6847,<br>6897, 6981, 6744,<br>6413, 6878, 6687 | 2882, 2930, 2998                               |
| 4831                                | $D_8 \times 2^2 : 2 : 2$              | 128   | 467775 | 6682, 6979 (2), 6969<br>(2), 6897 (2), 6844,<br>6970 (2), 6877 (2),<br>6849, 6403 (2)                | 2882, 2895, 2933,<br>2954, 2982, 2983,<br>2999 |
| 4832                                | $D_8 \times 2^2 : 2 : 2$              | 128   | 467775 | 6290, 6985 (2), 6988,<br>6900 (2), 6842, 6972<br>(2), 6364, 6878 (2),<br>6849, 6983, 6367            | 2882, 2896, 2907,<br>2935, 2955, 2988,<br>2989 |

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|-------------------------------------|--------------------------------|-------|--------|--|--|
| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4833                                | $2 \times 4^2 \cdot 2 : 2$     | 128   | 935550 | 6788, 6843, 6870, 6994, 6691, 6744, 6990, 6889, 6989, 6836, 6890, 6986, 6690, 6998, 6867 | 2883, 2930, 2998                         |
| 4834                                | $D_8 \times (2 \times 4) : 2$  | 128   | 467775 | 6716, 6867 (2), 6842, 7005, 6409 (2), 6999, 6985 (2), 6891 (2), 6724, 6418, 7004         | 2883, 2900, 2907, 2932, 2959, 2978, 2981 |
| 4835                                | $2^4 \cdot 2 \cdot 2 : 2$      | 128   | 467775 | 6677, 7003 (2), 6995, 6410, 6892 (2), 6837, 6738, 6989 (2), 6975, 6870 (2), 6842         | 2883, 2901, 2935, 2956, 2979, 2980, 2998 |
| 4836                                | $D_8 \times (2 \times 4) : 2$  | 128   | 935550 | 6788, 6836, 6892, 6987, 6689, 6996, 6992, 6891, 6991, 6841, 6869, 6997, 6692, 6979, 6868 | 2883, 2931, 2999                         |
| 4837                                | $D_8 \times (2 \times 4) : 2$  | 128   | 467775 | 6716, 6889 (2), 6837, 6997 (2), 6407 (2), 7001 (2), 6993 (2), 6868 (2), 6844             | 2883, 2899, 2934, 2957, 2974, 2976, 2999 |
| 4838                                | $2^4 \cdot 2 : 2 : 2$          | 128   | 935550 | 6787, 6893, 7001, 7013, 6847, 6873, 7009, 7006, 6836, 6895, 6980, 6979, 6693, 6874, 6695 | 2884, 2930, 2999                         |
| 4839                                | $2^5 : 2 : 2$                  | 128   | 467775 | 6714, 7004 (2), 6415 (2), 6871 (2), 6849, 6972 (2), 6893 (2), 6724, 7010 (2)             | 2884, 2905, 2907, 2933, 2960, 2990, 2991 |
| 4840                                | $2^2 \times 4 \cdot 2 : 2 : 2$ | 128   | 935550 | 6789, 6871, 7015, 7011, 6847, 6894, 7003, 7008, 6836, 6872, 6977, 6976, 6694, 6896, 6690 | 2884, 2931, 2998                         |
| 4841                                | $2^5 : 2 : 2$                  | 128   | 467775 | 6714, 7015 (2), 7007 (2), 6872 (2), 6848, 6998 (2), 6895 (2), 6837, 6413 (2)             | 2884, 2903, 2934, 2962, 2994, 2995, 2998 |

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|-------------------------------------|---------------------------------|-------|--------|--|--|
| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4842                                | $2^2 \times 4 : 2 : 2 : 2$      | 128   | 467775 | 6676, 7009 (2), 7016, 6874 (2), 6849, 6992 (2), 6739, 6896 (2), 6837, 6974, 6414   | 2884, 2904, 2935, 2963, 2996, 2997, 2999 |
| 4843                                | $D_8 : (D_8 \times 2)$          | 128   | 935550 | 6914, 7021 (2), 6731, 7025 (2), 6935, 7017 (2), 6917 (2), 7029 (2), 6377 (2), 6940 (2), 6934 (2), 6920 (2), 6915, 6387 (2), 7022, 7026, 6918 (2), 6767 (2), 6729 | 2886, 3005, 3006                         |
| 4844                                | $2^2 \times 4 : 2 \times 2 : 2$ | 128   | 935550 | 6684, 6899, 7041, 6873, 7009, 6997, 6891, 7033, 6781, 6851, 6970, 6862, 6885, 6984, 6745   | 2887, 2932, 2999                         |
| 4845                                | $2^2 \times 4 \cdot 2 : 2 : 2$  | 128   | 935550 | 6683, 7039, 6783, 6977, 7008, 6859, 6892, 6850, 6691, 6967, 7036, 6994, 6886, 6872, 6899   | 2887, 2931, 2998                         |
| 4846                                | $D_8 \times 2^2 : 2 : 2$        | 128   | 935550 | 6422, 6872, 7011, 6898, 7007, 6994, 6889, 6995, 6687, 6861, 7034, 6852, 6885, 7039, 6405   | 2887, 2934, 2998                         |
| 4847                                | $2^2 \times 4 : 2 : 2 : 2$      | 128   | 935550 | 6684, 6850, 6971, 6860, 7006, 6987, 6889, 7033, 6693, 6897, 7038, 6874, 6887, 6996, 6781   | 2887, 2930, 2999                         |
| 4848                                | $2^4 \cdot 2 \cdot 2 : 2$       | 128   | 935550 | 6683, 6966, 7036, 6967, 7003, 6861, 6890, 6851, 6784, 7034, 6782, 6998, 6888, 6871, 6897   | 2887, 2933, 2998                         |
| 4849                                | $D_8 \times 2^2 \cdot 2 : 2$    | 128   | 935550 | 6422, 6859, 7035 (2), 6723, 6972, 7005, 6891, 6988, 6715, 6871, 7010, 6900, 6887, 6409   | 2887, 2907, 2931                         |

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|-------------------------------------|-----------------------------------|-------|--------|--|--------------------|
| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 4850                                | $D_8 \times 2 : 2 \times 2 : 2$   | 128   | 935550 | 6421, 7033, 6991,<br>6969, 6739, 6862,<br>6892, 6852, 6398,<br>7006, 7037, 6993,<br>6888, 6874, 6900 | 2887, 2935, 2999   |
| 4851                                | $D_8 \times (2 \times 4) : 2$     | 128   | 935550 | 6686, 6850, 6984,<br>6864, 6991, 6980,<br>6868, 7037, 6692,<br>6877, 7041, 6896,<br>6887, 7013, 6786 | 2888, 2931, 2999   |
| 4852                                | $2^4 \cdot 2 : 2 : 2$             | 128   | 935550 | 6685, 6981, 6784,<br>7011, 6990, 6895,<br>6870, 6875, 6694,<br>7034, 7044, 6744,<br>6886, 6863, 6850 | 2888, 2930, 2998   |
| 4853                                | $D_8 \times (2 \times 4) : 2$     | 128   | 935550 | 6401, 6863, 7035,<br>6723, 6985, 7010,<br>6867, 6983, 6715,<br>6893, 6999, 6878,<br>6887, 6420, 6415 | 2888, 2907, 2930   |
| 4854                                | $2 \times 4 : 2 \times 2 : 2 : 2$ | 128   | 935550 | 6686, 6875, 7039,<br>6894, 6989, 7015,<br>6867, 7044, 6783,<br>6851, 6747, 6866,<br>6885, 6981, 6782 | 2888, 2932, 2998   |
| 4855                                | $2^2 \times 4 : 2 : 2 : 2$        | 128   | 935550 | 6685, 7038, 7037,<br>7001, 6992, 6893,<br>6869, 6877, 6786,<br>6970, 6785, 6971,<br>6888, 6865, 6851 | 2888, 2933, 2999   |
| 4856                                | $2^2 \times 4 : 2 : 2 : 2$        | 128   | 935550 | 6401, 6895, 6996,<br>6876, 6993, 7013,<br>6868, 7016, 6688,<br>6865, 7041, 6852,<br>6885, 7038, 6403 | 2888, 2934, 2999   |
| 4857                                | $D_8 \times 2 : 2 \times 2 : 2$   | 128   | 935550 | 6402, 6990, 7008,<br>7007, 6738, 6896,<br>6870, 6878, 6399,<br>7036, 7044, 6973,<br>6888, 6866, 6852 | 2888, 2935, 2998   |

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|-------------------------------------|------------------------------|-------|---------|--|--------------------|
| Nr.                                 | Structure                    | Order | Length  | Maximal Subgroups  | Minimal Overgroups |
| 4858                                | $2^{1+4} : 2^2$              | 128   | 935550  | 6447 (2), 6753, 7080 (2), 6902, 6773, 7046, 6695, 6904 (2), 7058, 6907, 7095 (2)   | 2889, 2938, 3004   |
| 4859                                | $D_8 : 2^4$                  | 128   | 935550  | 6445 (2), 6244 (4), 6726, 6246 (2), 7082 (2), 6914, 7064 (2), 7107 (4), 6730, 6397 (2), 7052, 7072 (2), 6785, 6905 (2), 7058, 6907, 7092 (2) | 2889, 2936, 3005   |
| 4860                                | $Q_8 : (2^2 \times 4)$       | 128   | 935550  | 6446 (2), 7094 (2), 6245 (2), 6906 (2), 6689, 7046, 6790, 7052, 6757, 6902, 6914   | 2889, 2937, 3006   |
| 4861                                | $2^{1+4} : 2^2$              | 128   | 1871100 | 6447, 6903, 7082, 6906, 7080, 7093, 6445, 7094, 6704, 6913, 7096, 6901, 6908, 7098, 7090   | 2889               |
| 4862                                | $2^{1+4} : 2^2$              | 128   | 1871100 | 6448, 7092, 6245, 7095, 7081, 6905, 6446, 6904, 6702, 7090, 7097, 7098, 6909, 6901, 6913   | 2889               |
| 4863                                | $Q_8 : (2 \times 4 : 2)$     | 128   | 935550  | 6902, 7056, 6915, 7047, 6756, 6774, 6976   | 2897, 2938, 3006   |
| 4864                                | $Q_8 : (2 \times 4 : 2)$     | 128   | 935550  | 6726, 7056, 6915, 6733, 6912, 7062, 6966   | 2897, 2939, 3005   |
| 4865                                | $D_8 : (2 \times 4 \cdot 2)$ | 128   | 935550  | 6902, 6791, 6760, 7047, 6912, 7062, 6986   | 2897, 2937, 3004   |
| 4866                                | $D_8 : (2^2 \times 4)$       | 128   | 935550  | 6907, 6408 (2), 6910, 6250 (2), 7060, 7051, 6999, 7078 (2), 6760, 7070 (2), 6758   | 2900, 2936, 3004   |
| 4867                                | $Q_8 : (2 \times 4 \cdot 2)$ | 128   | 935550  | 6757, 7057, 6759, 6915, 7005, 7051, 6910   | 2900, 2939, 3006   |

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|-------------------------------------|-----------------------------------|-------|--------|--|-----------------------------|
| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups          |
| 4868                                | $D_8 : (2 \times 4 : 2)$          | 128   | 935550 | 6907, 6915, 7060,<br>7057, 7004, 6354,<br>6365   | 2900, 2938, 3005            |
| 4869                                | $Q_8 : (D_8 \times 2)$            | 128   | 935550 | 6914, 7067 (2), 7055,<br>6411 (2), 6756, 6251<br>(2), 6754, 7075 (2),<br>6910, 7014, 7049            | 2902, 2936, 3006            |
| 4870                                | $2^{1+4} : 4$                     | 128   | 935550 | 6753, 6755, 6912,<br>7063, 6910, 7012,<br>7049   | 2902, 2939, 3004            |
| 4871                                | $Q_8 : (2 \times 4 : 2)$          | 128   | 935550 | 6914, 7055, 6912,<br>7063, 6354, 7002,<br>6417   | 2902, 2937, 3005            |
| 4872                                | $2 \times 4 : 2 : 2 \times 2 : 2$ | 128   | 935550 | 7045, 6735, 6734,<br>6712, 6974, 6975,<br>6923   | 2916, 2980, 2996            |
| 4873                                | $D_8 : (2 \times 4) : 2$          | 128   | 935550 | 7046, 7049, 7047,<br>7051, 6921, 6731,<br>6732   | 2917, 3004, 3006            |
| 4874                                | $8 : 2 \times 2 \cdot 2 : 2$      | 128   | 935550 | 7052, 7056, 7055,<br>7057, 6935, 6727,<br>6732   | 2918, 3005, 3006            |
| 4875                                | $D_8 \times 2^2 : 2 \cdot 2$      | 128   | 935550 | 7045, 6735, 6710,<br>6737, 6988, 6995,<br>6933   | 2920, 2980, 2988            |
| 4876                                | $2^3 \cdot 2 \times 2 : 2 : 2$    | 128   | 935550 | 7045, 6710, 6734,<br>6736, 7016, 6983,<br>6947   | 2922, 2988, 2996            |
| 4877                                | $D_8 \cdot (2 \times 4) : 2$      | 128   | 935550 | 7058, 7062, 7060,<br>7063, 6955, 6727,<br>6731   | 2924, 3004, 3005            |
| 4878                                | $D_8 \times 2^2 : 2 : 2$          | 128   | 467775 | 6781 (2), 6981 (2),<br>6946 (2), 7012, 6746,<br>6921, 6986, 6742 (2),<br>6955, 6999, 6695            | 2930 (2), 2932, 3004<br>(2) |
| 4879                                | $2^2 \times 4 \cdot 2 : 2 : 2$    | 128   | 935550 | 6715, 7011, 6982,<br>6930, 6945, 6743,<br>6938, 6996, 6407,<br>6936, 6923, 6994,<br>6413, 7013, 6946 | 2930, 2931, 2934            |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups          |
| 4880                                | $D_8 \times 2^2 : 2 : 2$              | 128   | 935550 | 6691, 6977, 6930,<br>7040, 6951, 6349,<br>6987, 6931, 6692,<br>6936, 7035, 6952,<br>6946, 6980, 6694 | 2930, 2931 (2)              |
| 4881                                | $D_8 \times 2^2 : 2 : 2$              | 128   | 935550 | 6398, 6742, 6922,<br>7033, 6985, 6956,<br>6741, 6989, 6945,<br>7009, 6973, 6746,<br>6412, 7044, 6951 | 2930, 2932, 2935            |
| 4882                                | $2 \times 4 : 2 : 2 \times 2 : 2$     | 128   | 935550 | 6687, 6955, 6938,<br>6936, 6922, 7034,<br>6968, 7001, 6403,<br>7038, 6415, 6998,<br>6947, 6937, 6743 | 2930, 2933, 2934            |
| 4883                                | $2 \times 4 \cdot 2 \times 2 : 2 : 2$ | 128   | 935550 | 6784, 6967, 6936,<br>7000, 6956, 6921,<br>6979, 6931, 6786,<br>6937, 7010, 6952,<br>6743, 6971, 6690 | 2930, 2931, 2933            |
| 4884                                | $2^4 \cdot 2 \times 2 : 2$            | 128   | 467775 | 6678, 6742 (2), 6923,<br>6952 (2), 6741, 7006<br>(2), 6975, 6990 (2),<br>6414, 6983, 6947            | 2930 (2), 2935, 2996<br>(2) |
| 4885                                | $2 \times 4 : 2 \times 2 : 2 : 2$     | 128   | 467775 | 6783 (2), 6930 (2),<br>6951 (2), 6748, 6935,<br>6976, 6689, 6984 (2),<br>7005, 7014, 6921            | 2931 (2), 2932, 3006<br>(2) |
| 4886                                | $2^2 \times 4 : 2 \cdot 2 : 2$        | 128   | 467775 | 6679, 6951 (2), 6931<br>(2), 6933, 6740, 6991<br>(2), 7008 (2), 6988,<br>6410, 6974, 6923            | 2931 (2), 2935, 2980<br>(2) |
| 4887                                | $D_8 \times 2^2 : 2 : 2$              | 128   | 935550 | 6688, 6748, 6933,<br>6930, 6922, 7041,<br>6409, 7015, 6405,<br>7039, 6978, 6997,<br>6945, 6937, 6946 | 2931, 2932, 2934            |
| 4888                                | $D_8 \times 2^2 : 2 : 2$              | 128   | 935550 | 6399, 7037, 7036,<br>6972, 6406, 7003,<br>6992, 6969, 6740,<br>6956, 6935, 6938,<br>6952, 6931, 6922 | 2931, 2933, 2935            |

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| Nr.                                 | Structure                                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups       |
| 4889                                | $2^3 \cdot 2 \times 2 : 2 : 2$             | 128   | 467775  | 6782 (2), 6352, 6935, 6937 (2), 6956 (2), 6966, 7002, 6970 (2), 6785, 7004, 6955         | 2932, 2933 (2), 3005 (2) |
| 4890                                | $2^3 \times 4 : 2 : 2$                     | 128   | 467775  | 6367, 6947, 6938 (2), 6995, 6993 (2), 6351, 6945 (2), 7016, 7007 (2), 6933, 6296         | 2934 (2), 2935, 2988 (2) |
| 4891                                | $D_8 \cdot (D_8 \times 2)$                 | 128   | 1871100 | 7072, 6404, 6616, 7075, 7068, 6615, 6408, 7071, 7042, 6961, 7059, 7024, 6965, 7050, 7053 | 2936                     |
| 4892                                | $D_8 \cdot (D_8 \times 2)$                 | 128   | 1871100 | 7064, 6249, 6778, 7067, 7076, 6777, 6250, 7079, 7042, 6959, 7061, 7031, 6963, 7048, 7053 | 2936                     |
| 4893                                | $D_8 \cdot (D_8 \times 2)$                 | 128   | 935550  | 7058, 7066 (2), 7049, 7074 (2), 6964, 6960, 6999, 6778 (2), 6793, 6616 (2), 6791         | 2936, 2978, 3004         |
| 4894                                | $Q_8 : (D_8 \times 2)$                     | 128   | 1871100 | 6397, 7073, 7066, 6411, 6617, 7069, 7078, 6618, 7043, 6961, 7061, 7025, 6965, 7048, 7054 | 2936                     |
| 4895                                | $D_8 : (D_8 \times 2)$                     | 128   | 1871100 | 6246, 7065, 7074, 6251, 6780, 7077, 7070, 6779, 7043, 6959, 7059, 7032, 6963, 7050, 7054 | 2936                     |
| 4896                                | $D_8 \cdot (D_8 \times 2)$                 | 128   | 935550  | 6785, 7076 (2), 6728, 7068 (2), 7060, 6780 (2), 7026, 6617 (2), 6964, 6733, 7055         | 2936, 2942, 3005         |
| 4897                                | $2 \times 4 \cdot 2 \times 2 \times 2 : 2$ | 128   | 935550  | 7052, 7079 (2), 6960, 6779 (2), 7026, 7071 (2), 7051, 6618 (2), 7014, 6774, 6776         | 2936, 2993, 3006         |

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|-------------------------------------|-------------------------------------|-------|---------|--|--------------------|
| Nr.                                 | Structure                           | Order | Length  | Maximal Subgroups                              | Minimal Overgroups |
| 4898                                | $D_8 : (2 \times 4) : 2$            | 128   | 935550  | 7046, 6793, 6958,<br>6758, 6986, 7063,<br>6962 | 2937, 2987, 3004   |
| 4899                                | $D_8 \times 4 : 2 \cdot 2$          | 128   | 935550  | 7052, 6359, 7026,<br>6365, 7002, 7062,<br>6962 | 2937, 2993, 3005   |
| 4900                                | $2 \times 4^2 \cdot 2 : 2$          | 128   | 935550  | 6689, 7047, 6759,<br>7055, 6792, 6958,<br>7026 | 2937, 2942, 3006   |
| 4901                                | $D_8 : (2 \times 4) : 2$            | 128   | 935550  | 7058, 7022, 6964,<br>7056, 7004, 6417,<br>6359 | 2938, 2978, 3005   |
| 4902                                | $D_8 : 2^3 : 2$                     | 128   | 935550  | 7046, 7022, 6958,<br>7057, 6976, 6754,<br>6776 | 2938, 2987, 3006   |
| 4903                                | $D_8 \cdot (2 \times 4) : 2$        | 128   | 935550  | 6695, 6755, 7060,<br>7047, 6964, 6775,<br>6958 | 2938, 2942, 3004   |
| 4904                                | $D_8 : (2 \times 4) : 2$            | 128   | 935550  | 6730, 7022, 6728,<br>7057, 6966, 7063,<br>6962 | 2939, 2987, 3005   |
| 4905                                | $D_8 : (2 \times 4) : 2$            | 128   | 935550  | 6790, 6960, 6792,<br>7049, 7005, 7056,<br>7022 | 2939, 2978, 3006   |
| 4906                                | $D_8 \times 2 \cdot 2 \times 2 : 2$ | 128   | 935550  | 6773, 6960, 6775,<br>7051, 7012, 7062,<br>6962 | 2939, 2993, 3004   |
| 4907                                | $2^{1+4} : 2^2$                     | 128   | 1871100 | 6708, 6243, 7086,<br>6239, 7089, 6241,<br>6238 | 2941               |
| 4908                                | $2^{1+4} : 2^2$                     | 128   | 1871100 | 6957, 7097, 7101,<br>7104, 7103, 6633,<br>7087 | 2970               |
| 4909                                | $2^{1+4} : 2^2$                     | 128   | 1871100 | 6954, 7104, 7101,<br>7096, 7103, 7087,<br>6670 | 2970               |
| 4910                                | $2^{1+4} : 2^2$                     | 128   | 1871100 | 6942, 7105, 7091,<br>7100, 7086, 7088,<br>7102 | 2973               |
| 4911                                | $2^{1+4} : 2^2$                     | 128   | 1871100 | 6950, 7105, 7084,<br>7100, 6242, 7088,<br>7102 | 2973               |

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|-------------------------------------|---------------------------|-------|---------|---|--|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups                       | Minimal Overgroups   |
| 4912                                | $7 : 3 : S_3$             | 126   | 950400  | 7108, 7826, 7817 (3),<br>9577 (7)       | 157, 1115 (2), 1814<br>(2), 3007, 3008, 3009   |
| 4913                                | $7 : 3 \times 3 : 2$      | 126   | 950400  | 7108, 7821 (2), 7817,<br>7820, 9578 (7) | 158, 349 (2), 3007,<br>3010, 3011  |
| 4914                                | $7 : 3 \times 3 : 2$      | 126   | 950400  | 7108, 7828 (2), 7827,<br>7818, 9579 (7) | 161, 1116 (2), 1816<br>(2), 3008, 3011, 3012   |
| 4915                                | $7 : 3 : S_3$             | 126   | 950400  | 7108, 7829, 7819 (3),<br>9580 (7)       | 162, 3009, 3010, 3012  |
| 4916                                | $7 : 3 \times S_3$        | 126   | 950400  | 7108, 7822, 7824 (3),<br>9573 (7)       | 957, 1117 (2), 3007,<br>3012, 3013   |
| 4917                                | $7 : 3 \times S_3$        | 126   | 950400  | 7108, 7825, 7823 (3),<br>9581 (7)       | 1118 (2), 1120 (4),<br>1121 (2), 1820 (2),<br>3008, 3010, 3013   |
| 4918                                | $7 : 3 \times 3 \times 2$ | 126   | 950400  | 7108, 7830 (2), 7823,<br>7831, 9582 (7) | 1119 (2), 3009, 3011,<br>3013  |
| 4919                                | $S_5$                     | 120   | 3991680 | 7110, 9137 (5), 9526<br>(6), 10253 (10) | 246, 259, 1405   |
| 4920                                | $A_5 : 2$                 | 120   | 1995840 | 7113, 9134 (5), 9527<br>(6), 10253 (10) | 247 (2), 1474, 3104  |
| 4921                                | $S_5$                     | 120   | 997920  | 7109, 9255 (5), 9527<br>(6), 10261 (10) | 253, 689, 1403 (2),<br>3017, 3021, 3022  |
| 4922                                | $A_5 \times 2$            | 120   | 997920  | 7109, 9256 (5), 9528<br>(6), 10261 (10) | 253, 687, 1401 (2),<br>3017, 3020, 3023  |
| 4923                                | $A_5 : 2$                 | 120   | 1995840 | 7111, 9257 (5), 9527<br>(6), 10262 (10) | 254, 1403, 3016  |
| 4924                                | $A_5 \times 2$            | 120   | 1995840 | 7111, 9258 (5), 9528<br>(6), 10262 (10) | 254, 688, 1401, 3016   |
| 4925                                | $S_5$                     | 120   | 997920  | 7109, 9259 (5), 9526<br>(6), 10263 (10) | 260, 684, 1406 (2),<br>3017, 3018, 3019  |
| 4926                                | $A_5 : 2$                 | 120   | 1995840 | 7111, 9260 (5), 9526<br>(6), 10262 (10) | 264, 1406, 3016  |
| 4927                                | $A_5 \times 2$            | 120   | 997920  | 7109, 9261 (5), 9532<br>(6), 10264 (10) | 266, 693, 3019, 3020,<br>3021  |
| 4928                                | $S_5$                     | 120   | 997920  | 7109, 9262 (5), 9530<br>(6), 10265 (10) | 267, 692, 3019, 3022,<br>3023  |
| 4929                                | $S_5$                     | 120   | 997920  | 7109, 9263 (5), 9531<br>(6), 10266 (10) | 268, 691, 3018, 3021,<br>3023  |
| 4930                                | $A_5 \times 2$            | 120   | 997920  | 7109, 9264 (5), 9529<br>(6), 10266 (10) | 268, 690, 3018, 3020,<br>3022  |
| 4931                                | $S_5$                     | 120   | 16632   | 7127, 9135 (5), 9542<br>(6), 10267 (10) | 549, 1415 (5), 1588<br>(6), 2367 (5), 2369<br>(10), 3024 (10), 3025,<br>3026 (10), 3027 (15),<br>3028 (15) |

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|-------------------------------------|-----------------------------|-------|---------|--|---|
| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 4932                                | $A_5 \times 2$              | 120   | 1995840 | 7112, 9265 (5), 9528 (6), 10262 (10)                         | 688, 3029   |
| 4933                                | $2 \times 10 : S_3$         | 120   | 498960  | 7143, 7870 (3), 9072 (4), 9135                               | 694, 1588, 2368, 3031, 3033, 3034                         |
| 4934                                | $2 \times 10 : S_3$         | 120   | 498960  | 7142, 7870 (3), 9071 (4), 9136                               | 694, 1264 (2), 3030, 3032, 3035                           |
| 4935                                | $D_{20} \times S_3$         | 120   | 498960  | 7116 (2), 7121 (2), 7114, 7138, 7150, 7859 (3), 9147 (5)     | 958 (2), 1422, 3036, 3037, 3038, 3088, 3105, 3112, 3113   |
| 4936                                | $D_{20} \times S_3$         | 120   | 498960  | 7151, 7117 (2), 7114, 7122 (2), 7152, 7871 (3), 9148 (5)     | 959 (2), 3037, 3131, 3138                                 |
| 4937                                | $2 \times 10 \times S_3$    | 120   | 498960  | 7120 (2), 7153, 7114, 7123 (2), 7154, 7872 (3), 9145         | 960 (2), 3037, 3132, 3137                                 |
| 4938                                | $D_{10} \cdot 2 \times S_3$ | 120   | 997920  | 7129, 7116, 7139, 7849 (3), 9150 (5)                         | 961, 1417, 3036, 3039, 3040                               |
| 4939                                | $D_{10} \cdot 2 \times S_3$ | 120   | 1995840 | 7135, 7115, 7124, 7857 (3), 9166 (5)                         | 962, 1426, 1434, 1840, 2396, 3042                         |
| 4940                                | $D_{10} \cdot 2 \times S_3$ | 120   | 997920  | 7128, 7116, 7129, 7846 (3), 9167 (5)                         | 963, 1407, 1427 (2), 1839 (2), 2382 (2), 3036, 3041, 3043 |
| 4941                                | $D_{20} \times S_3$         | 120   | 1995840 | 7136, 7118, 7115, 7146, 7119, 7147, 7125, 7858 (3), 9164 (5) | 964, 1428, 1435, 1841, 2398, 3042                         |
| 4942                                | $D_{20} \times S_3$         | 120   | 997920  | 7134, 7145, 7120, 7116, 7131, 7117, 7144, 7852 (3), 9165 (5) | 965, 1430, 1432 (2), 1842 (2), 2394 (2), 3037, 3040, 3041 |
| 4943                                | $D_{10} \cdot 2 \times S_3$ | 120   | 997920  | 7133, 7116, 7132, 7853 (3), 9168 (5)                         | 966, 1429 (2), 1431, 1843 (2), 2395 (2), 3038, 3039, 3041 |
| 4944                                | $D_{10} \cdot 2 \times S_3$ | 120   | 1995840 | 7126, 7115, 7137, 7853 (3), 9169 (5)                         | 967, 1433, 1436, 1844, 1856 (2), 2395, 3042               |
| 4945                                | $D_{20} \times S_3$         | 120   | 997920  | 7122, 7155, 7123, 7156, 7134, 7140, 7116, 7861 (3), 9180 (5) | 968, 1437, 3037, 3039, 3043                               |

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|-------------------------------------|-----------------------------|-------|---------|--|--|
| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 4946                                | $D_{10} \cdot 2 \times S_3$ | 120   | 997920  | 7141, 7116, 7133, 7862 (3), 9153 (5)                         | 969, 1438, 3038, 3040, 3043  |
| 4947                                | $D_{20} \times S_3$         | 120   | 997920  | 7157, 7121, 7123, 7156, 7117, 7158, 7144, 7873 (3), 9183 (5) | 970, 3037  |
| 4948                                | $D_{20} \times S_3$         | 120   | 997920  | 7157, 7159, 7120, 7122, 7145, 7121, 7155, 7874 (3), 9154 (5) | 971, 3037  |
| 4949                                | $15 : 2 \cdot 2 \times 2$   | 120   | 1995840 | 7125, 7126, 7124, 7845, 9243 (5)                             | 1263 (2), 1439, 1460, 1889, 2400, 3042   |
| 4950                                | $2 \times 10 : S_3$         | 120   | 997920  | 7149, 7870 (3), 9071 (4), 9245                               | 1264, 2368, 3048   |
| 4951                                | $S_5$                       | 120   | 83160   | 7127, 9252 (5), 9539 (6), 10268 (10)                         | 1265 (8), 1469, 1595 (6), 2377 (4), 2402 (4), 2413 (3), 3027 (3), 3049, 3090 (6), 3097 (6), 3127 (3) |
| 4952                                | $A_5 \times 2$              | 120   | 83160   | 7127, 9253 (5), 9540 (6), 10269 (10)                         | 1266 (8), 1470, 1596 (6), 2378 (4), 2405 (4), 2414 (3), 3028 (3), 3049, 3091 (6), 3097 (6), 3124 (3) |
| 4953                                | $S_5$                       | 120   | 792     | 7127, 9251 (5), 9541 (6), 10270 (10)                         | 1267 (120), 1440 (7), 1594 (126), 2379 (140), 2389 (35), 3025 (21), 3049 (105), 3070 (105)           |
| 4954                                | $D_{10} \cdot 2 \times S_3$ | 120   | 166320  | 7132, 7131, 7128, 7847 (3), 9266 (5)                         | 1408, 1445 (4), 1857 (4), 2384 (4), 3041 (6), 3053 (3)   |
| 4955                                | $D_{20} \cdot S_3$          | 120   | 997920  | 7128, 7134, 7133, 7848 (3), 9267 (5)                         | 1409, 1446 (2), 1858 (2), 2383 (2), 3041, 3043, 3052   |
| 4956                                | $D_{20} \cdot S_3$          | 120   | 498960  | 7128, 7138, 7139, 7849 (3), 9268 (5)                         | 1410, 3036, 3051, 3052, 3053, 3054, 3055, 3056   |
| 4957                                | $D_{10} \cdot 2 \times S_3$ | 120   | 498960  | 7128, 7140, 7141, 7850 (3), 9269 (5)                         | 1411, 3043 (2), 3053, 3056 (2)   |
| 4958                                | $A_5 : 2$                   | 120   | 83160   | 7130, 9270 (5), 9542 (6), 10271 (10)                         | 1415, 2381 (4), 2385 (4), 3057 (6), 3058, 3059 (6), 3060 (3), 3061 (3)                               |

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|-------------------------------------|-----------------------------|-------|--------|--------------------------------------|---|
| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups                    | Minimal Overgroups  |
| 4959                                | $15 : 2 \times 2 \cdot 2$   | 120   | 498960 | 7129 (2), 7138, 7846, 9271 (5)       | 1416, 3036, 3062, 3063, 3087, 3106, 3111, 3114  |
| 4960                                | $D_{10} \cdot 2 \times S_3$ | 120   | 997920 | 7129, 7131, 7133, 7848 (3), 9193 (5) | 1418, 1449 (2), 1874 (2), 2383 (2), 3040, 3041, 3062  |
| 4961                                | $15 : 2 \times 2 \cdot 2$   | 120   | 997920 | 7132, 7134, 7129, 7847, 9272 (5)     | 1419, 1450 (2), 1875 (2), 2384 (2), 3039, 3041, 3063  |
| 4962                                | $D_{10} \cdot 2 \times S_3$ | 120   | 997920 | 7129, 7140, 7133, 7850 (3), 9273 (5) | 1420, 3039, 3043, 3062  |
| 4963                                | $15 : 2 \times 2 \cdot 2$   | 120   | 997920 | 7129, 7134, 7141, 7848, 9196 (5)     | 1421, 3040, 3043, 3063  |
| 4964                                | $A_5 : 2$                   | 120   | 5544   | 7130, 9274 (5), 9541 (6), 10272 (10) | 1440, 1593 (36), 2388 (20), 2403 (20), 3058 (15), 3069 (45), 3095 (15)  |
| 4965                                | $A_5 \times 2$              | 120   | 16632  | 7127, 9275 (5), 9543 (6), 10273 (10) | 1441 (5), 1597 (6), 2387 (5), 2392 (10), 3025, 3026 (10), 3068 (10), 3124 (15), 3127 (15)   |
| 4966                                | $A_5 \times 2$              | 120   | 83160  | 7130, 9276 (5), 9543 (6), 10274 (10) | 1441, 2386 (4), 2393 (4), 3058, 3059 (6), 3067 (6), 3123 (3), 3128 (3)  |
| 4967                                | $A_5 \times 2$              | 120   | 83160  | 7127, 9277 (5), 9544 (6), 10275 (10) | 1442 (3), 1590 (6), 2373 (6), 2375 (12), 2412, 3024, 3027 (3), 3044 (3), 3047 (3), 3066, 3068, 3070, 3072, 3073, 3076, 3090 (3), 3091 (3), 3093 (3), 3124 (3), 3125 (3) |
| 4968                                | $A_5 \times 2$              | 120   | 249480 | 7130, 9278 (5), 9544 (6), 10263 (10) | 1442, 1589 (4), 2374 (4), 2376 (4), 3045, 3046, 3057, 3060, 3065, 3067, 3069, 3071, 3074, 3075, 3089, 3092, 3094, 3123, 3126  |

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|-------------------------------------|-----------------------------|-------|---------|--|---|
| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups                        | Minimal Overgroups  |
| 4969                                | $A_5 : 2$                   | 120   | 249480  | 7130, 9279 (5), 9545 (6), 10276 (10)     | 1443, 1592 (4), 2390 (4), 2408 (4), 3059 (2), 3061, 3069, 3075 (2), 3096 (2), 3126 (2), 3128                    |
| 4970                                | $S_5$                       | 120   | 83160   | 7127, 9280 (5), 9545 (6), 10277 (10)     | 1443 (3), 1591 (6), 2391 (6), 2407 (12), 2415, 3026 (2), 3028 (3), 3070, 3076 (2), 3097 (6), 3125 (6), 3127 (3) |
| 4971                                | $2 \times 10 : 3 : 2$       | 120   | 166320  | 7143, 7851, 9076 (4), 9277 (5)           | 1451 (3), 1452, 1590 (3), 2410, 3031 (3), 3050, 3064 (3), 3077, 3078, 3082 (3), 3083 (3)                        |
| 4972                                | $2 \times 10 : 3 : 2$       | 120   | 498960  | 7142, 7859, 9075 (4), 9278 (5)           | 1456, 1457, 1589 (2), 3030, 3079, 3080, 3081, 3084, 3085, 3086  |
| 4973                                | $D_{10} \cdot 2 \times S_3$ | 120   | 665280  | 7135, 7126, 7136, 7845 (3), 9281 (5)     | 1458, 1459, 1888 (3), 2400, 3042 (3)  |
| 4974                                | $D_{10} \cdot 2 \times S_3$ | 120   | 1995840 | 7136, 7137, 7124, 7860 (3), 9282 (5)     | 1461, 1462, 1890, 2399, 3042  |
| 4975                                | $D_{20} \cdot S_3$          | 120   | 1995840 | 7125, 7137, 7135, 7860 (3), 9283 (5)     | 1463, 1464, 1891, 2399, 3042  |
| 4976                                | $A_5 : 2$                   | 120   | 83160   | 7130, 9284 (5), 9539 (6), 10278 (10)     | 1469, 2401 (4), 2406 (4), 3060 (3), 3089 (6), 3095, 3096 (6), 3128 (3)  |
| 4977                                | $A_5 \times 2$              | 120   | 83160   | 7130, 9285 (5), 9540 (6), 10279 (10)     | 1470, 2404 (4), 2409 (4), 3061 (3), 3092 (6), 3095, 3096 (6), 3123 (3)  |
| 4978                                | $15 : 2 \times 2 \times 2$  | 120   | 166320  | 7138 (3), 7160 (3), 7148, 7851, 9286 (5) | 1471, 2410, 3051, 3087 (3), 3088 (3), 3098 (3), 3100, 3101, 3103 (3)  |
| 4979                                | $2 \times 10 : 3 : 2$       | 120   | 332640  | 7149, 7851, 9075 (4), 9287 (5)           | 1472, 2410, 3048 (3), 3099 (3), 3102  |
| 4980                                | $A_5 : 2$                   | 120   | 1995840 | 7113, 9288 (5), 9531 (6), 10280 (10)     | 1476, 3104  |

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|-------------------------------------|-----------------------------|-------|---------|--|--|
| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 4981                                | $A_5 \times 2$              | 120   | 1995840 | 7113, 9289 (5), 9532 (6), 10281 (10)                         | 1478, 3104                                     |
| 4982                                | $D_{20} \cdot S_3$          | 120   | 498960  | 7139 (2), 7138, 7857 (3), 9290 (5)                           | 1479, 3051, 3105, 3106, 3107, 3108, 3109, 3110 |
| 4983                                | $D_{20} \cdot S_3$          | 120   | 997920  | 7133, 7134, 7139, 7863 (3), 9213 (5)                         | 1480, 3039, 3040, 3052                         |
| 4984                                | $15 : 2 \times 2 \times 2$  | 120   | 498960  | 7134 (2), 7157 (2), 7153, 7138, 7151, 7852, 9291 (5)         | 1481, 3037, 3052, 3063, 3103, 3107, 3120, 3121 |
| 4985                                | $D_{20} \cdot S_3$          | 120   | 498960  | 7133 (2), 7138, 7862 (3), 9292 (5)                           | 1482, 3038, 3052, 3062, 3098, 3108, 3119, 3122 |
| 4986                                | $D_{10} \cdot 2 \times S_3$ | 120   | 498960  | 7132, 7140, 7139, 7845 (3), 9293 (5)                         | 1483, 3039 (2), 3053, 3110 (2)                 |
| 4987                                | $D_{10} \cdot 2 \times S_3$ | 120   | 498960  | 7139, 7131, 7141, 7863 (3), 9189 (5)                         | 1484, 3040 (2), 3053, 3109 (2)                 |
| 4988                                | $D_{20} \times S_3$         | 120   | 498960  | 7131, 7140, 7154, 7152, 7158, 7138, 7159, 7861 (3), 9294 (5) | 1485, 3037, 3053, 3062, 3100, 3109, 3116, 3117 |
| 4989                                | $15 : 2 \times 2 \cdot 2$   | 120   | 498960  | 7132, 7138, 7141, 7853, 9295 (5)                             | 1486, 3038, 3053, 3063, 3101, 3110, 3115, 3118 |
| 4990                                | $D_{20} \cdot S_3$          | 120   | 498960  | 7138, 7161, 7162, 7839 (3), 9268 (5)                         | 1487, 3054, 3088, 3106, 3115, 3117, 3121, 3122 |
| 4991                                | $15 : 2 \times 2 \cdot 2$   | 120   | 498960  | 7163 (2), 7138, 7854, 9296 (5)                               | 1488, 3054, 3087, 3105, 3116, 3118, 3119, 3120 |
| 4992                                | $30 \cdot 2 : 2$            | 120   | 498960  | 7138, 7164, 7165, 7855, 9295 (5)                             | 1489, 3055, 3103, 3108, 3113, 3114, 3117, 3118 |
| 4993                                | $D_{20} \cdot S_3$          | 120   | 498960  | 7166 (2), 7138, 7842 (3), 9297 (5)                           | 1490, 3055, 3098, 3107, 3111, 3112, 3115, 3116 |
| 4994                                | $15 : 2 \times 2 \cdot 2$   | 120   | 498960  | 7141 (2), 7138, 7856, 9298 (5)                               | 1491, 3056, 3101, 3109, 3112, 3114, 3120, 3122 |
| 4995                                | $D_{10} \cdot 2 \times S_3$ | 120   | 997920  | 7139, 7140, 7141, 7860 (3), 9299 (5)                         | 1492, 3056, 3109, 3110                         |
| 4996                                | $D_{20} \times S_3$         | 120   | 498960  | 7140 (2), 7167, 7168, 7138, 7169 (2), 7858 (3), 9300 (5)     | 1493, 3056, 3100, 3110, 3111, 3113, 3119, 3121 |

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| Nr.                                 | Structure                  | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 4997                                | $2 \times 10 : S_3$        | 120   | 166320 | 7143, 7875 (3), 9077 (4), 9280 (5)                       | 1591 (3), 2418, 3033 (3), 3077, 3129 (3) |
| 4998                                | $2 \times 10 : S_3$        | 120   | 498960 | 7142, 7876 (3), 9078 (4), 9279 (5)                       | 1592 (2), 3032, 3081, 3136               |
| 4999                                | $2 \times 10 : S_3$        | 120   | 498960 | 7142, 7877 (3), 9079 (4), 9274                           | 1593 (2), 3035, 3081, 3135               |
| 5000                                | $2 \times 10 : S_3$        | 120   | 166320 | 7143, 7878 (3), 9080 (4), 9251                           | 1594 (3), 2419, 3034 (3), 3077, 3130 (3) |
| 5001                                | $2 \times 10 : S_3$        | 120   | 498960 | 7143, 7879 (3), 9081 (4), 9252 (5)                       | 1595, 2416, 3031, 3129, 3130             |
| 5002                                | $2 \times 10 : 3 : 2$      | 120   | 498960 | 7143, 7880, 9082 (4), 9253 (5)                           | 1596, 2417, 3033, 3083, 3130             |
| 5003                                | $2 \times 10 : 3 \times 2$ | 120   | 498960 | 7143, 7881, 9083 (4), 9275                               | 1597, 2420, 3034, 3083, 3129             |
| 5004                                | $2 \times 10 : S_3$        | 120   | 498960 | 7148, 7114, 7161, 7870 (3), 9301                         | 2368, 3088, 3131, 3132                   |
| 5005                                | $2 \times 10 : S_3$        | 120   | 997920 | 7149, 7879 (3), 9084 (4), 9302 (5)                       | 2416, 3048                               |
| 5006                                | $2 \times 10 : S_3$        | 120   | 498960 | 7150, 7148, 7162, 7879 (3), 9303 (5)                     | 2416, 3088, 3133, 3134                   |
| 5007                                | $2 \times 10 : S_3$        | 120   | 166320 | 7152 (3), 7167 (3), 7148, 7880 (3), 9304 (5)             | 2417, 3100, 3131 (3), 3134 (3)           |
| 5008                                | $30 \cdot 2 : 2$           | 120   | 498960 | 7151, 7148, 7165, 7875, 9305 (5)                         | 2418, 3103, 3131, 3133                   |
| 5009                                | $D_8 \times 15$            | 120   | 498960 | 7148, 7153, 7164, 7878, 9306                             | 2419, 3103, 3132, 3134                   |
| 5010                                | $2 \times 10 \times S_3$   | 120   | 166320 | 7154 (3), 7168 (3), 7148, 7881 (3), 9307                 | 2420, 3100, 3132 (3), 3133 (3)           |
| 5011                                | $2 \times 10 : S_3$        | 120   | 498960 | 7142, 7882 (3), 9084 (4), 9308 (5)                       | 3030, 3135, 3136                         |
| 5012                                | $2 \times 10 : 3 : 2$      | 120   | 498960 | 7142, 7871, 9073 (4), 9309 (5)                           | 3032, 3086, 3135                         |
| 5013                                | $2 \times 10 : 3 \times 2$ | 120   | 498960 | 7142, 7872, 9074 (4), 9310                               | 3035, 3086, 3136                         |
| 5014                                | $2 \times 10 : S_3$        | 120   | 498960 | 7144 (2), 7153, 7150, 7155 (2), 7152, 7874 (3), 9311 (5) | 3037, 3134, 3139                         |
| 5015                                | $D_{20} \times S_3$        | 120   | 498960 | 7151, 7145 (2), 7154, 7156 (2), 7150, 7873 (3), 9312 (5) | 3037, 3133, 3140                         |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups  | Minimal Overgroups             |
| 5016                                | $D_{20} : S_3$              | 120   | 498960 | 7160, 7114, 7162, 7882 (3), 9186 (5)                     | 3088, 3137, 3138               |
| 5017                                | $D_{20} : S_3$              | 120   | 498960 | 7160, 7161, 7150, 7883 (3), 9313 (5)                     | 3088, 3139, 3140               |
| 5018                                | $D_{20} \times S_3$         | 120   | 498960 | 7160, 7169 (2), 7168, 7158 (2), 7152, 7884 (3), 9314 (5) | 3100, 3138, 3139               |
| 5019                                | $D_{20} \times S_3$         | 120   | 498960 | 7160, 7159 (2), 7154, 7169 (2), 7167, 7885 (3), 9315 (5) | 3100, 3137, 3140               |
| 5020                                | $15 : 2 \times 2 : 2$       | 120   | 498960 | 7151, 7164, 7160, 7886, 9316 (5)                         | 3103, 3138, 3140               |
| 5021                                | $30 \cdot 2 : 2$            | 120   | 498960 | 7160, 7153, 7165, 7887, 9187 (5)                         | 3103, 3137, 3139               |
| 5022                                | $Q_{20} : S_3$              | 120   | 498960 | 7150, 7168, 7165, 7888 (3), 9317 (5)                     | 3113, 3133, 3139               |
| 5023                                | $20 : S_3$                  | 120   | 498960 | 7168, 7114, 7164, 7877 (3), 9318                         | 3113, 3132, 3138               |
| 5024                                | $D_{120}$                   | 120   | 498960 | 7150, 7164, 7167, 7889 (3), 9319 (5)                     | 3113, 3134, 3140               |
| 5025                                | $Q_{20} : S_3$              | 120   | 498960 | 7167, 7114, 7165, 7876 (3), 9188 (5)                     | 3113, 3131, 3137               |
| 5026                                | $D_{10} \cdot 2 \times S_3$ | 120   | 997920 | 7163, 7159, 7166, 7869 (3), 9234 (5)                     | 3116                           |
| 5027                                | $D_{10} \cdot 2 \times S_3$ | 120   | 997920 | 7163, 7158, 7166, 7868 (3), 9320 (5)                     | 3116                           |
| 5028                                | $Q_{20} : S_3$              | 120   | 498960 | 7152, 7161, 7165, 7864 (3), 9269 (5)                     | 3117, 3131, 3139               |
| 5029                                | $20 \times S_3$             | 120   | 498960 | 7161, 7154, 7164, 7865 (3), 9266                         | 3117, 3132, 3140               |
| 5030                                | $20 : S_3$                  | 120   | 498960 | 7152, 7164, 7162, 7867 (3), 9293 (5)                     | 3117, 3134, 3138               |
| 5031                                | $Q_{20} \times S_3$         | 120   | 498960 | 7162, 7154, 7165, 7866 (3), 9189 (5)                     | 3117, 3133, 3137               |
| 5032                                | $D_{20} : S_3$              | 120   | 498960 | 7151, 7168, 7162, 7844 (3), 9321 (5)                     | 3121, 3133, 3138               |
| 5033                                | $2 \times 10 : S_3$         | 120   | 498960 | 7168, 7153, 7161, 7841 (3), 9322                         | 3121, 3132, 3139               |
| 5034                                | $D_{20} : S_3$              | 120   | 498960 | 7151, 7161, 7167, 7840 (3), 9323 (5)                     | 3121, 3131, 3140               |
| 5035                                | $2 \times 10 : S_3$         | 120   | 498960 | 7167, 7153, 7162, 7843 (3), 9190 (5)                     | 3121, 3134, 3137               |
| 5036                                | $2^3 : 7 \times 2$          | 112   | 712800 | 7170, 9781, 10248 (8)                                    | 1122 (2), 2429, 2430 (2), 3142 |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5037                                | $D_8 \times (D_{14})$     | 112   | 1425600 | 7175, 7172, 7177, 7173, 7174, 7171, 7176, 9782 (7)       | 2425, 2434   |
| 5038                                | $2^3 : 7 \times 2$        | 112   | 356400  | 7170, 9783, 10249 (8)                                    | 2433, 3141, 3142, 3143   |
| 5039                                | $11 : 5 : 2$              | 110   | 4354560 | 7178, 9521, 10401 (11)                                   | 3, 906   |
| 5040                                | $3^{1+2} : 2^2$           | 108   | 4435200 | 7182, 7179, 7181, 7904 (3), 7905 (3)                     | 271, 2435, 2460  |
| 5041                                | $3^{1+2} : 2^2$           | 108   | 4435200 | 7221, 7183, 7222, 7892, 8036 (3)                         | 441, 2437, 2444  |
| 5042                                | $S_3 \times 3 \cdot S_3$  | 108   | 1478400 | 7235, 7184, 7232, 7892 (3), 7981 (3)                     | 442, 2437  |
| 5043                                | $S_3 \times 3 \times S_3$ | 108   | 554400  | 7186 (2), 7191, 7895, 7932 (6)                           | 697 (2), 1944, 2466, 3146, 3147, 3148, 3160, 3175, 3229, 3240                  |
| 5044                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 7187, 7186, 7196, 8008 (3), 7906 (3), 8007 (3), 7905 (6) | 724 (2), 1945, 2435 (4), 2449 (2), 2459, 3147, 3181, 3241                      |
| 5045                                | $3 : S_3 \cdot S_3$       | 108   | 554400  | 7191, 7896 (3), 10282 (9)                                | 725 (2), 1946, 2467, 3146, 3150, 3151, 3161, 3220, 3225, 3226                  |
| 5046                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7186, 7187, 7197, 7989, 7907 (3), 7960 (3)               | 726 (2), 1947, 2451, 3147, 3182, 3239  |
| 5047                                | $3 : S_3 : S_3$           | 108   | 554400  | 7187 (2), 7191, 7937 (6), 7901 (3)                       | 727 (2), 1948, 2470, 3147, 3149, 3151, 3165, 3178, 3234, 3242                  |
| 5048                                | $3^2 : S_3 \cdot 2$       | 108   | 554400  | 7191, 7908, 10283 (9)                                    | 728 (2), 1949, 2471, 3148, 3149, 3150, 3166, 3177, 3230, 3235                  |
| 5049                                | $S_3 \times 3 \times S_3$ | 108   | 554400  | 7188 (2), 7191, 7922, 7923 (6)                           | 1097 (2), 1937 (2), 1967, 2462, 3157, 3158, 3159, 3160, 3220, 3234, 3235       |
| 5050                                | $3^2 : S_3 \cdot 2$       | 108   | 184800  | 7191, 7930, 10284 (9)                                    | 1098, 1975 (3), 2438, 3156, 3160 (3), 3161 (3), 3163, 3164, 3165 (3), 3166 (3) |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups                              | Minimal Overgroups   |
| 5051                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7208, 7193, 7189, 7931, 8040 (3), 7932 (3)     | 1099, 1950, 2466, 3167, 3168, 3169   |
| 5052                                | $S_3 \times 3 : S_3$      | 108   | 554400  | 7189, 7209, 7194, 7966 (3), 7925 (6), 7926 (6) | 1100, 1952, 2468, 3162, 3167, 3170, 3172, 3174, 3176, 3179                     |
| 5053                                | $S_3 \times 3 : S_3$      | 108   | 554400  | 7205, 7188, 7191, 7924 (6), 7966 (3), 7925 (6) | 1101, 1938 (2), 1951, 2468, 3157, 3161, 3171, 3173, 3175, 3177, 3178           |
| 5054                                | $S_3 \times 3 : S_3$      | 108   | 554400  | 7210, 7195, 7189, 8041 (3), 7937 (6), 7948 (6) | 1102, 1953, 2470, 3168 (2), 3172, 3180 (2)                                     |
| 5055                                | $S_3 \times 3 : S_3$      | 108   | 554400  | 7206, 7196, 7188, 7938 (6), 8004 (3), 7947 (6) | 1103, 1954, 1988 (2), 2469, 3158 (2), 3173, 3181 (2)                           |
| 5056                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7206, 7197, 7188, 7934, 7968 (3), 7939 (3)     | 1104, 1955, 1989, 1991, 2472, 3158, 3159, 3171                                 |
| 5057                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7211, 7198, 7189, 7933, 7968 (3), 7940 (3)     | 1105, 1956, 2472, 3168, 3169, 3170   |
| 5058                                | $3 \times 6 \times S_3$   | 108   | 554400  | 7188, 7197, 7207, 7929 (2), 7936 (2), 8003 (3) | 1106, 1957, 1990 (2), 2474, 3159 (2), 3173, 3182 (2)                           |
| 5059                                | $3 \times 6 \times S_3$   | 108   | 554400  | 7212, 7199, 7189, 7935 (2), 7943 (2), 8042 (3) | 1107, 1958, 2473, 3169 (2), 3172, 3183 (2)                                     |
| 5060                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7186, 7200, 7188, 7942, 7927 (3), 8043 (3)     | 1108, 1960, 2475, 3175, 3181, 3182   |
| 5061                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7213, 7201, 7189, 7941, 7946 (3), 7915 (3)     | 1109, 1959, 2476, 3174, 3180, 3183   |
| 5062                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7214, 7189, 7202, 7944, 7971 (3), 7949 (3)     | 1110, 1961, 2478, 3179, 3180, 3183   |
| 5063                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7187, 7188, 7203, 7945, 7971 (3), 7928 (3)     | 1111, 1962, 2478, 3178, 3181, 3182   |
| 5064                                | $3^2 : S_3 \cdot 2$       | 108   | 184800  | 7194, 7930, 10285 (9)                          | 1112, 1983 (3), 2438, 3162 (3), 3184, 3185, 3186, 3187 (3), 3188 (3), 3189 (3) |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5065                                | $A_4 \times 3 \times 3$   | 108   | 138600  | 7965 (2), 8009 (4),<br>7962 (2), 8000 (4),<br>7999, 9100 (4) | 1781 (2), 2009 (4),<br>3145 (2), 3152 (2),<br>3153 (2), 3155, 3190<br>(2), 3194, 3196, 3197<br>(2), 3199, 3201 (2),<br>3204 (2), 3259, 3260,<br>3261 (2), 3262 |
| 5066                                | $A_4 \times 3 \times 3$   | 108   | 138600  | 7893 (4), 8044 (4),<br>7964 (2), 8045, 7972<br>(2), 9101 (4) | 1782 (2), 3154, 3192<br>(2), 3193, 3195, 3198<br>(2), 3200, 3202 (2),<br>3203 (2), 3263 (2),<br>3264, 3265, 3266 (2),<br>3267, 3268 (2), 3269<br>(2)           |
| 5067                                | $3^{1+2} : 2^2$           | 108   | 2217600 | 7190, 7219, 7218,<br>8046 (3), 8032 (3)                      | 1931, 2439, 2442,<br>3205  |
| 5068                                | $3^{1+2} : 2^2$           | 108   | 739200  | 7190, 7225, 7224,<br>8047 (3), 8028 (3)                      | 1932, 2441, 2443,<br>3205 (3)  |
| 5069                                | $3^{1+2} : 2^2$           | 108   | 2217600 | 7223, 7190, 7220,<br>8048, 8036 (3)                          | 1933, 2440, 2444,<br>3205  |
| 5070                                | $3^{1+2} : 2^2$           | 108   | 4435200 | 7204, 7231, 7192,<br>8049 (3), 8046 (3)                      | 1934, 1935, 2439   |
| 5071                                | $3 : S_3 : S_3$           | 108   | 61600   | 7191 (3), 7922 (9)   | 1936 (9), 2436 (2),<br>2461, 2462, 3146 (9),<br>3149 (9), 3156 (3),<br>3157 (3), 3206, 3207<br>(3), 3211 (3)   |
| 5072                                | $S_3 \times 3 : S_3$      | 108   | 184800  | 7196, 7197, 7191,<br>7934 (6), 7979 (3),<br>7933 (6)         | 1939 (6), 1998 (3),<br>2472, 3147 (3), 3150<br>(3), 3158 (3), 3163,<br>3173 (3), 3206, 3213  |
| 5073                                | $S_3 \times 3 \times S_3$ | 108   | 184800  | 7191, 7197 (2), 7974,<br>7936 (6)                            | 1940 (6), 1996 (3),<br>2474, 3148 (3), 3151<br>(3), 3159 (3), 3164,<br>3171 (3), 3206, 3209  |
| 5074                                | $3 : S_3 : S_3$           | 108   | 554400  | 7206 (2), 7191, 7938<br>(6), 7973 (3)                        | 1941 (2), 2022, 2469,<br>3158, 3165, 3171,<br>3207, 3226, 3229,<br>3230  |
| 5075                                | $3 \times 6 : S_3$        | 108   | 554400  | 7207, 7206, 7191,<br>7979, 7939 (6), 7940<br>(6)             | 1942 (2), 2021, 2472,<br>3159, 3166, 3173,<br>3207, 3225, 3240,<br>3242  |

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| Nr.                                 | Structure                 | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 5076                                | $3 : S_3 : S_3$           | 108   | 184800 | 7193 (2), 7194, 7942 (6), 8050 (3)                       | 1992 (3), 2475, 3167 (3), 3184, 3208, 3212, 3216 (3), 3222 (3), 3236 (3) |
| 5077                                | $S_3 \times 3 : S_3$      | 108   | 369600 | 7195, 7198, 7193, 7989 (3), 7991 (3), 8051 (3), 7981 (6) | 1993 (3), 2451, 3168 (3), 3208, 3219 (3)                                 |
| 5078                                | $S_3 \times 3 \times S_3$ | 108   | 369600 | 7199, 7193, 7198, 7990, 7992 (3), 8052 (3)               | 1994 (3), 2458, 3169 (3), 3208, 3218 (3)                                 |
| 5079                                | $S_3 \times 3 \times S_3$ | 108   | 184800 | 7198 (2), 7194, 7974, 7929 (6)                           | 1995 (3), 2474, 3170 (3), 3185, 3208, 3210, 3217 (3), 3228 (3), 3231 (3) |
| 5080                                | $S_3 \times 3 : S_3$      | 108   | 184800 | 7195, 7194, 7199, 7945 (6), 8053 (3), 7944 (6)           | 1997 (3), 2478, 3172 (3), 3186, 3208, 3214, 3215 (3), 3223 (3), 3246 (3) |
| 5081                                | $3 : S_3 : S_3$           | 108   | 184800 | 7201 (2), 7194, 7941 (6), 7897 (3)                       | 1999 (3), 2476, 3174 (3), 3184, 3210, 3214, 3221 (3), 3233 (3), 3247 (3) |
| 5082                                | $3 : S_3 : S_3$           | 108   | 184800 | 7200 (2), 7191, 7931 (6), 7895 (3)                       | 2000 (3), 2466, 3156, 3175 (3), 3209, 3213, 3220 (3), 3230 (3), 3242 (3) |
| 5083                                | $3 : S_3 \cdot S_3$       | 108   | 184800 | 7194, 7900 (3), 10286 (9)                                | 2001 (3), 2477, 3176 (3), 3186, 3210, 3212, 3224 (3), 3232 (3), 3238 (3) |
| 5084                                | $3 : S_3 \cdot S_3$       | 108   | 184800 | 7191, 7908 (3), 10287 (9)                                | 2002 (3), 2471, 3163, 3177 (3), 3209, 3211, 3225 (3), 3229 (3), 3234 (3) |
| 5085                                | $S_3 \times 3 \times S_3$ | 108   | 184800 | 7203 (2), 7191, 7976, 7935 (6)                           | 2003 (3), 2473, 3164, 3178 (3), 3211, 3213, 3226 (3), 3235 (3), 3240 (3) |
| 5086                                | $S_3 \times 3 \times S_3$ | 108   | 184800 | 7202 (2), 7194, 7976, 7943 (6)                           | 2004 (3), 2473, 3179 (3), 3185, 3212, 3214, 3227 (3), 3237 (3), 3245 (3) |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                   |
| 5087                                | $S_3 \times 3 : S_3$      | 108   | 369600  | 7201, 7195, 7202, 7996 (3), 7998 (3), 8054 (3), 8027 (6) | 2005 (3), 2484, 3180 (3), 3214, 3244 (3)             |
| 5088                                | $S_3 \times 3 : S_3$      | 108   | 369600  | 7200, 7203, 7196, 7995 (3), 7997 (3), 8055 (3), 8028 (6) | 2006 (3), 2443 (2), 2452, 3181 (3), 3213, 3241 (3)   |
| 5089                                | $S_3 \times 3 \times S_3$ | 108   | 369600  | 7200, 7203, 7197, 7990, 7958 (3), 8056 (3)               | 2007 (3), 2458, 3182 (3), 3213, 3239 (3)             |
| 5090                                | $S_3 \times 3 \times S_3$ | 108   | 369600  | 7201, 7199, 7202, 7993, 7994 (3), 8057 (3)               | 2008 (3), 2483, 3183 (3), 3214, 3243 (3)             |
| 5091                                | $S_3 \times 3 : S_3$      | 108   | 554400  | 7205, 7206, 7197, 8002 (3), 7975 (6), 8016 (6)           | 2023 (2), 2024, 2453, 3171 (2), 3173, 3239 (2)       |
| 5092                                | $3 \times 6 : S_3$        | 108   | 184800  | 7205, 7207, 7196, 8002 (9), 8029 (12), 8015 (18)         | 2025 (3), 2445 (4), 2453, 3173 (3), 3241 (6)         |
| 5093                                | $S_3 \times 3 \times S_3$ | 108   | 554400  | 7208 (2), 7194, 8050, 7927 (6)                           | 2026, 2475, 3167, 3187, 3215, 3217, 3221, 3237, 3238 |
| 5094                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 7193, 7208, 7209, 7987 (3), 8058 (3), 7980 (6), 7890 (3) | 2027, 2450, 3167, 3218, 3219                         |
| 5095                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 7211, 7195, 7208, 8008 (3), 8012 (3), 8059 (3), 7984 (6) | 2028, 2459, 3168, 3215, 3219                         |
| 5096                                | $3 : S_3 : S_3$           | 108   | 1108800 | 7211, 7210, 7193, 8007 (3), 8011 (3), 8059 (3)           | 2029, 2459, 3168, 3216, 3218                         |
| 5097                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7210, 7198, 7208, 8051, 7960 (3), 7959 (3)               | 2030, 2451, 3168, 3217, 3218                         |
| 5098                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7199, 7208, 7211, 7995, 7988 (3), 8060 (3)               | 2031, 2452, 3169, 3215, 3218                         |
| 5099                                | $3 \times 6 \times S_3$   | 108   | 1108800 | 7208, 7212, 7198, 7983 (2), 7958, 8052, 7961 (3)         | 2032, 2458, 3169, 3217, 3219                         |
| 5100                                | $3 \times 6 : S_3$        | 108   | 1108800 | 7193, 7212, 7211, 7997, 8060 (3), 7891 (3), 7982 (6)     | 2033, 2452, 3169, 3216, 3219                         |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                   |
| 5101                                | $3 : S_3 \cdot S_3$       | 108   | 554400  | 7194, 7896 (3), 10288 (9)  | 2034, 2467, 3162, 3221, 3222, 3223, 3224, 3227, 3228 |
| 5102                                | $3 : S_3 : S_3$           | 108   | 554400  | 7211 (2), 7194, 7947 (6), 7973 (3)                                   | 2035, 2469, 3170, 3188, 3215, 3216, 3227, 3232, 3233 |
| 5103                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 7209, 7198, 7211, 7985 (6), 8015 (3), 7975 (3), 8016 (3)             | 2036, 2453, 3170, 3218, 3219                         |
| 5104                                | $S_3 \times 3 : S_3$      | 108   | 554400  | 7210, 7209, 7199, 8019 (6), 8061 (3), 8017 (6)                       | 2037, 2455, 3172, 3218 (2), 3243 (2)                 |
| 5105                                | $3 \times 6 : S_3$        | 108   | 554400  | 7194, 7210, 7212, 8053, 7928 (6), 7949 (6)                           | 2038, 2478, 3172, 3189, 3216, 3217, 3224, 3245, 3247 |
| 5106                                | $3 \times 6 : S_3$        | 108   | 554400  | 7195, 7209, 7212, 8030 (12), 8020 (6), 8018 (6), 8061 (3), 7986 (12) | 2039, 2455, 3172, 3219 (2), 3244 (2)                 |
| 5107                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 7201, 7213, 7209, 8013 (3), 8014 (3), 7911 (3), 8031 (6)             | 2040, 2480, 3174, 3243, 3244                         |
| 5108                                | $S_3 \times 3 \times S_3$ | 108   | 554400  | 7213 (2), 7194, 7897, 7946 (6)                                       | 2041, 2476, 3174, 3187, 3222, 3231, 3232, 3245, 3246 |
| 5109                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 7186, 7200, 7205, 7987 (3), 7890 (3), 8062 (3), 8032 (6)             | 2042, 2442 (2), 2450, 3175, 3239, 3241               |
| 5110                                | $3^2 : S_3 \cdot 2$       | 108   | 554400  | 7194, 7900, 10289 (9)  | 2043, 2477, 3176, 3189, 3223, 3231, 3233, 3236, 3237 |
| 5111                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 7214, 7209, 7202, 8018 (3), 7978 (3), 8033 (6), 8017 (3)             | 2044, 2455, 3179, 3243, 3244                         |
| 5112                                | $3 : S_3 : S_3$           | 108   | 554400  | 7214 (2), 7194, 7948 (6), 7901 (3)                                   | 2045, 2470, 3179, 3188, 3228, 3236, 3238, 3246, 3247 |
| 5113                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 7205, 7187, 7203, 8034 (6), 8020 (3), 7978 (3), 8019 (3)             | 2046, 2447 (2), 2455, 3178, 3239, 3241               |
| 5114                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 7195, 7213, 7214, 8035 (6), 8024 (3), 8063 (3), 8025 (3)             | 2047, 2481, 3180, 3244, 3246                         |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                     |
| 5115                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7213, 7210, 7202, 8054, 8023 (3), 8021 (3)               | 2048, 2484, 3180, 3243, 3245           |
| 5116                                | $3 : S_3 : S_3$           | 108   | 1108800 | 7201, 7210, 7214, 8025 (3), 8026 (3), 8063 (3)           | 2049, 2481, 3180, 3243, 3247           |
| 5117                                | $3 : S_3 : S_3$           | 108   | 1108800 | 7187, 7206, 7200, 8012 (3), 8011 (3), 7906 (3)           | 2050, 2459, 3181, 3239, 3242           |
| 5118                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7186, 7206, 7203, 8055, 7988 (3), 7891 (3)               | 2051, 2452, 3181, 3239, 3240           |
| 5119                                | $3 \times 6 : S_3$        | 108   | 1108800 | 7187, 7207, 7200, 7991, 7959 (3), 7907 (3), 8036 (6)     | 2052, 2444 (2), 2451, 3182, 3241, 3242 |
| 5120                                | $3 \times 6 \times S_3$   | 108   | 1108800 | 7186, 7207, 7203, 7992, 8056, 8037 (2), 7961 (3)         | 2053, 2448 (2), 2458, 3182, 3240, 3241 |
| 5121                                | $3 \times 6 \times S_3$   | 108   | 1108800 | 7212, 7213, 7202, 7994, 8057, 8038 (2), 8022 (3)         | 2054, 2483, 3183, 3244, 3245           |
| 5122                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7199, 7213, 7214, 7996, 8064 (3), 8021 (3)               | 2055, 2484, 3183, 3243, 3246           |
| 5123                                | $3 \times 6 : S_3$        | 108   | 1108800 | 7201, 7212, 7214, 7998, 8023 (3), 8064 (3), 8039 (6)     | 2056, 2484, 3183, 3244, 3247           |
| 5124                                | $S_3 \times 3 \times S_3$ | 108   | 2217600 | 7233, 7236, 7215, 7981, 7960 (3), 8036 (3)               | 2437 (2), 2440, 2451, 3251             |
| 5125                                | $S_3 \times 3 : S_3$      | 108   | 2217600 | 7229, 7215, 7228, 7987 (3), 7980 (3), 8049 (6), 8032 (3) | 2439, 2450, 3251                       |
| 5126                                | $3 : S_3 : S_3$           | 108   | 1108800 | 7230 (2), 7216, 8046 (3), 7980 (6)                       | 2439 (2), 3250, 3270, 3276             |
| 5127                                | $S_3 \times 3 : S_3$      | 108   | 184800  | 7234, 7237, 7216, 7981 (12), 8048 (3)                    | 2440 (4), 3250 (6), 3272 (3)           |
| 5128                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7239 (2), 7216, 8047, 7982 (6)                           | 2441 (2), 3250, 3274, 3276             |
| 5129                                | $S_3 \times 3 \times S_3$ | 108   | 2217600 | 7238, 7215, 7240, 8028, 7982 (3), 7988 (3)               | 2441, 2452, 3251                       |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                 |
| 5130                                | $3^{1+2} : 2^2$           | 108   | 2217600 | 7218, 7224, 7223, 8029, 8065 (3)                         | 2445, 2454, 3205                                   |
| 5131                                | $S_3 \times 3 : S_3$      | 108   | 2217600 | 7226, 7217, 7227, 8034 (6), 8030 (3), 8033 (3), 8017 (3) | 2446 (2), 2455, 3257                               |
| 5132                                | $3^{1+2} : 2^2$           | 108   | 2217600 | 7218, 7225, 7220, 8034 (3), 8066 (3)                     | 2446 (2), 2447, 2456, 3205                         |
| 5133                                | $3^{1+2} : 2^2$           | 108   | 739200  | 7223, 7219, 7225, 8065 (9), 8037 (3)                     | 2448, 2457, 3205 (3)                               |
| 5134                                | $3^{1+2} : 2^2$           | 108   | 2217600 | 7220, 7224, 7219, 7905 (3), 8066 (3)                     | 2449, 2460, 3205                                   |
| 5135                                | $S_3 \times 3 : S_3$      | 108   | 739200  | 7236, 7229, 7238, 8029 (3), 7985 (3), 8016 (9)           | 2453, 2454, 3251 (3)                               |
| 5136                                | $S_3 \times 3 \times S_3$ | 108   | 2217600 | 7237, 7230, 7239, 7985, 7983 (3), 8065 (3)               | 2454, 2457, 3250                                   |
| 5137                                | $S_3 \times 3 : S_3$      | 108   | 2217600 | 7233, 7229, 7240, 8034 (3), 7986 (3), 8019 (3), 8033 (6) | 2455, 2456, 3251                                   |
| 5138                                | $S_3 \times 3 : S_3$      | 108   | 2217600 | 7234, 7230, 7239, 7986 (3), 7904 (6), 7984 (3), 8066 (3) | 2456, 2460, 3250                                   |
| 5139                                | $S_3 \times 3 \times S_3$ | 108   | 739200  | 7228, 7236, 7240, 7990, 7983 (3), 8037 (3)               | 2457, 2458, 3251 (3)                               |
| 5140                                | $3 : S_3 : S_3$           | 108   | 2217600 | 7228, 7233, 7238, 8011 (3), 7984 (3), 7905 (3)           | 2459, 2460, 3251                                   |
| 5141                                | $3 : S_3 : S_3$           | 108   | 123200  | 7241 (3), 7898 (9)                                       | 2463 (2), 2464, 2465, 3252 (3), 3253 (9), 3255 (3) |
| 5142                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 7241, 7242 (2), 7898, 7918 (6)                           | 2464, 3252, 3254, 3256                             |
| 5143                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 7241, 7242, 7217, 8014 (3), 8031 (6), 7909 (6)           | 2480, 3252, 3257, 3258                             |
| 5144                                | $3 : S_3 : S_3$           | 108   | 1108800 | 7226 (2), 7241, 8035 (6), 8026 (3)                       | 2481, 3253, 3254, 3257                             |
| 5145                                | $3 : S_3 \cdot S_3$       | 108   | 369600  | 7241, 7899 (3), 10290 (9)                                | 2482, 3254 (3), 3255, 3258 (3)                     |
| 5146                                | $3^2 : S_3 \cdot 2$       | 108   | 1108800 | 7241, 7899, 10291 (9)                                    | 2482, 3253, 3256, 3258                             |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups                          | Minimal Overgroups   |
| 5147                                | $S_3 \times 3 \times S_3$ | 108   | 369600  | 7227 (2), 7241, 7993, 8038 (6)             | 2483, 3255, 3256 (3), 3257 (3)   |
| 5148                                | $S_3 \times 3 \times S_3$ | 108   | 2217600 | 7242, 7226, 7227, 8027, 8021 (3), 8039 (3) | 2484, 3257   |
| 5149                                | $3^2 : S_3 \cdot 2$       | 108   | 554400  | 7216, 7950, 10292 (9)                      | 3248, 3270, 3271, 3272, 3273, 3274, 3275                                     |
| 5150                                | $3 : S_3 \cdot S_3$       | 108   | 554400  | 7216, 8067 (3), 10293 (9)                  | 3272, 3273 (2), 3276 (2)   |
| 5151                                | $35 : 3$                  | 105   | 570240  | 8081, 9522, 10245 (7)                      | 1264 (2), 3277, 3278, 3279   |
| 5152                                | $5^2 : 2 \cdot 2$         | 100   | 598752  | 7243, 9542, 9536 (5)                       | 1588, 3282, 3283, 3284   |
| 5153                                | $5^2 : 2 : 2$             | 100   | 299376  | 7243 (2), 7244, 9544 (10)                  | 1589 (4), 1590 (2), 3280 (2), 3281 (2), 3282 (2), 3285, 3286 (2), 3287, 3288 |
| 5154                                | $5^2 : 2 \cdot 2$         | 100   | 598752  | 7243, 9545 (5), 9546 (5)                   | 1591, 1592 (2), 3283, 3286, 3289   |
| 5155                                | $5^2 : 2 \cdot 2$         | 100   | 598752  | 7243, 9541, 9547 (5)                       | 1593 (2), 1594, 3284, 3286, 3290   |
| 5156                                | $5^2 : 2 \cdot 2$         | 100   | 598752  | 7243, 9537 (5), 9539 (5)                   | 1595, 3282, 3289, 3290   |
| 5157                                | $5^2 : 2 : 2$             | 100   | 598752  | 7245, 7243, 7246, 9540 (5), 9548 (5)       | 1596, 3283, 3287, 3290   |
| 5158                                | $5^2 : 2 \times 2$        | 100   | 598752  | 7245, 7247, 7243, 9543, 9549 (5)           | 1597, 3284, 3287, 3289   |
| 5159                                | $5^2 : 2 \cdot 2$         | 100   | 598752  | 7244, 9527 (10)                            | 3280, 3292, 3294, 3299, 3302, 3305, 3306                                     |
| 5160                                | $5^2 : 2 : 2$             | 100   | 598752  | 7248 (2), 7244, 9528 (10)                  | 3280, 3292, 3293, 3300, 3301, 3303, 3304                                     |
| 5161                                | $5^2 : 2 \cdot 2$         | 100   | 598752  | 7244, 9531 (10)                            | 3281, 3296, 3298, 3300, 3302, 3303, 3306                                     |
| 5162                                | $5^2 : 2 : 2$             | 100   | 598752  | 7249 (2), 7244, 9529 (10)                  | 3281, 3296, 3297, 3299, 3301, 3304, 3305                                     |
| 5163                                | $5^2 : 2 \cdot 2$         | 100   | 299376  | 7244, 9550 (10), 9526 (20)                 | 3285, 3291 (2), 3292 (2), 3295 (2), 3296 (2), 3307, 3309                     |

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|-------------------------------------|---------------------------|-------|---------|--|---|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 5164                                | $5^2 : 2 \cdot 2$         | 100   | 299376  | 7244, 9550 (10)  | 3285, 3293, 3294, 3297, 3298, 3308, 3310                          |
| 5165                                | $5^2 : 2 \times 2$        | 100   | 299376  | 7246, 7244, 7247, 9551 (10), 9532 (20)   | 3287, 3301 (2), 3302 (2), 3309, 3310                              |
| 5166                                | $5^2 : 2 : 2$             | 100   | 299376  | 7245 (2), 7244, 9552 (10)  | 3287, 3299 (2), 3300 (2), 3307, 3308                              |
| 5167                                | $5^2 : 2 \cdot 2$         | 100   | 299376  | 7244, 9538 (10)  | 3288, 3304 (2), 3306 (2), 3307, 3310                              |
| 5168                                | $5^2 : 2 \cdot 2$         | 100   | 299376  | 7244, 9538 (10), 9530 (20)   | 3288, 3303 (2), 3305 (2), 3308, 3309                              |
| 5169                                | $5 \times 10 : 2$         | 100   | 1197504 | 7248, 7249, 7247, 9535, 9534 (5)   | 3301  |
| 5170                                | $5^2 : 2 : 2$             | 100   | 1197504 | 7249, 7246, 7248, 9525 (5), 9533 (5)   | 3301  |
| 5171                                | $2^{1+4} : 3$             | 96    | 1247400 | 8083, 9123 (8), 9124 (4), 9203 (8)   | 249, 2236, 3313, 3314, 3315                                       |
| 5172                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7256, 7708, 7498, 7254, 7638, 7625, 7255, 7252, 7395, 7613, 7257, 7700, 7695, 7253, 7378, 8250 (3) | 524 (2), 2232, 2515, 2751, 3389                                   |
| 5173                                | $2^4 : S_3$               | 96    | 4989600 | 7266, 7265, 7262, 7264, 7260, 7258, 7259, 8129 (3), 9179 (4)                                       | 528, 2087, 2167, 2168, 2516, 2687                                 |
| 5174                                | $D_{16} \times S_3$       | 96    | 2494800 | 7571, 7392, 7663, 7391, 7268, 7267, 7662, 8103 (3)   | 667 (2), 2088, 3575   |
| 5175                                | $2^4 : S_3$               | 96    | 1247400 | 7644, 7405 (2), 7273, 7269 (2), 7645, 8251 (3), 9139 (4)   | 787 (4), 2209, 3451, 3484, 3500                                   |
| 5176                                | $2^4 : S_3$               | 96    | 2494800 | 7520, 7404 (2), 7272, 7270 (2), 7522, 8251 (3), 9138 (4)   | 787 (2), 2119, 2143, 2144, 3450                                   |
| 5177                                | $2^4 : S_3$               | 96    | 623700  | 7280, 7593 (2), 7274 (2), 7420, 7519, 8252 (3), 9155 (4)   | 802, 2084 (2), 2533 (4), 3319, 3321, 3323, 3337, 3345, 3346, 3353 |

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| Nr.                                 | Structure   | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 5178                                | $2^4 : S_3$ | 96    | 207900  | 7281 (3), 7275 (3), 7448, 8252 (3), 9144 (4)                 | 802 (3), 1830 (2), 2506 (6), 2655, 3318, 3320, 3322, 3336 (3), 3344 (3), 3347 (3), 3352 (3)       |
| 5179                                | $2^4 : S_3$ | 96    | 103950  | 7276 (2), 7430, 7275, 7279 (2), 7432, 8253 (3), 9145 (4)     | 803 (2), 1831 (4), 2507 (8), 2539 (4), 3320 (6), 3329 (3), 3397 (3), 3398 (6), 3429               |
| 5180                                | $2^4 : S_3$ | 96    | 207900  | 7421, 7274, 7595, 7277, 7597, 7780, 7278, 8253 (3), 9156 (4) | 803, 2085, 2534 (4), 2538 (4), 3321 (6), 3328 (3)   |
| 5181                                | $2^4 : S_3$ | 96    | 623700  | 7279 (2), 7282 (2), 7275, 7438, 7477, 8254 (3), 9146 (4)     | 804 (2), 1832 (2), 2508 (4), 2537 (2), 3320, 3322, 3327, 3399, 3414, 3431, 3442                   |
| 5182                                | $2^4 : S_3$ | 96    | 1247400 | 7599, 7785, 7274, 7283, 7422, 7278, 7600, 8254 (3), 9157 (4) | 804, 2131, 2535 (2), 2536 (2), 3321, 3323, 3326   |
| 5183                                | $2^4 : S_3$ | 96    | 623700  | 7710, 7285, 7280, 7709, 7274, 7792, 7423, 8255 (3), 9158 (4) | 805, 2133, 3319, 3324, 3326, 3328, 3331, 3333, 3334   |
| 5184                                | $2^4 : S_3$ | 96    | 311850  | 7281 (2), 7284 (2), 7275, 7793, 7794, 8255 (3), 9147 (4)     | 805 (2), 3318, 3325, 3327, 3329, 3330, 3332, 3335, 3637, 3700, 3711, 3712, 3775, 3784, 3787, 3792 |
| 5185                                | $2^4 : S_3$ | 96    | 623700  | 7660, 7283, 7274, 7795, 7286, 7424, 7659, 8256 (3), 9159 (4) | 806, 2086, 3323 (2), 3328, 3334 (2)   |
| 5186                                | $2^4 : S_3$ | 96    | 311850  | 7282 (2), 7796, 7275, 7797, 7287 (2), 8256 (3), 9148 (4)     | 806 (2), 3322 (2), 3329, 3335 (2), 3638, 3729 (2), 3758, 3789 (2)                                 |

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|-------------------------------------|----------------------|-------|--------|---|---|
| Nr.                                 | Structure            | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 5187                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7281, 7370, 7364,<br>8147 (3), 9150 (4)                               | 822, 1184 (2), 3330,<br>3336, 3338, 3340,<br>3359, 3380, 3384   |
| 5188                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7389, 7371, 7280,<br>8147 (3), 9151 (4)                               | 822, 1185 (2), 3331,<br>3337, 3339, 3341,<br>3358, 3381, 3385   |
| 5189                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7365, 7281, 7377,<br>8164 (3), 9153 (4)                               | 823, 1193 (2), 3332,<br>3338, 3342, 3344,<br>3368, 3372, 3383   |
| 5190                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7376, 7280, 7390,<br>8164 (3), 9152 (4)                               | 823, 1192 (2), 3333,<br>3339, 3343, 3345,<br>3369, 3373, 3382   |
| 5191                                | $2^4 : S_3$          | 96    | 207900 | 7280 (3), 7798 (3),<br>7427, 8257 (3), 9160<br>(4)                    | 825, 1502 (4), 2550,<br>3324, 3346 (3), 3349<br>(3), 3350, 3358 (3),<br>3369 (3), 3370                      |
| 5192                                | $2^4 : S_3$          | 96    | 207900 | 7281 (3), 7445 (3),<br>7428, 8257 (3), 9161<br>(4)                    | 825, 1833 (2), 2509<br>(2), 2551, 3325, 3347<br>(3), 3348 (3), 3351,<br>3359 (3), 3368 (3),<br>3371         |
| 5193                                | $2^4 : S_3$          | 96    | 623700 | 7280, 7429, 7278 (2),<br>7787 (2), 7769, 8258<br>(3), 9162 (4)        | 826, 1503 (4), 2542<br>(4), 3321, 3326,<br>3341, 3343, 3349,<br>3356, 3375                                  |
| 5194                                | $2^4 : S_3$          | 96    | 623700 | 7281, 7430, 7279 (2),<br>7479 (2), 7477, 8258<br>(3), 9163 (4)        | 826, 1834 (2), 2510<br>(2), 2543 (4), 3320,<br>3327, 3340, 3342,<br>3348, 3357, 3374                        |
| 5195                                | $2^4 : S_3$          | 96    | 623700 | 7403, 7282, 7276,<br>7479, 7281, 7438,<br>7432, 8240 (3), 9165<br>(4) | 827, 1835 (2), 1842<br>(4), 2511 (2), 2541<br>(4), 2547 (4), 3320,<br>3329, 3338, 3351,<br>3355, 3361, 3365 |
| 5196                                | $2^4 : S_3$          | 96    | 623700 | 7441, 7485, 7277,<br>7280, 7431, 7283,<br>7486, 8240 (3), 9164<br>(4) | 827, 1841 (4), 2540<br>(4), 2546 (4), 3321,<br>3328, 3339, 3350,<br>3354, 3360, 3364                        |
| 5197                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7439, 7280, 7433,<br>8233 (3), 9166 (4)                               | 828, 1840 (4), 3331,<br>3346, 3354, 3356,<br>3362, 3382, 3386   |

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| Nr.                                 | Structure            | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 5198                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7413, 7281, 7370,<br>8233 (3), 9167 (4)                               | 828, 1836 (2), 1839<br>(4), 2512 (2), 3330,<br>3347, 3355, 3357,<br>3363, 3383, 3387 |
| 5199                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7435, 7280, 7440,<br>8241 (3), 9169 (4)                               | 829, 1504 (4), 1844<br>(4), 3333, 3349,<br>3353, 3354, 3367,<br>3376, 3381           |
| 5200                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7377, 7281, 7434,<br>8241 (3), 9168 (4)                               | 829, 1837 (2), 1843<br>(4), 2513 (2), 3332,<br>3348, 3352, 3355,<br>3366, 3377, 3380 |
| 5201                                | $2^4 : S_3$          | 96    | 623700 | 7282 (2), 7452 (2),<br>7281, 7446, 7437,<br>8259 (3), 9170 (4)        | 830, 1838 (2), 2514<br>(2), 3335, 3351,<br>3352, 3357, 3372,<br>3378, 3384           |
| 5202                                | $2^4 : S_3$          | 96    | 623700 | 7280, 7799 (2), 7283<br>(2), 7800, 7436, 8259<br>(3), 9140 (4)        | 830, 3334, 3350,<br>3353, 3356, 3373,<br>3379, 3385                                  |
| 5203                                | $2^4 : S_3$          | 96    | 623700 | 7281, 7284 (2), 7445,<br>7764 (2), 7766, 8260<br>(3), 9171 (4)        | 859, 2545 (4), 3325,<br>3336, 3342, 3361,<br>3363, 3377, 3378                        |
| 5204                                | $2^4 : S_3$          | 96    | 623700 | 7285 (2), 7444, 7280,<br>7786 (2), 7768, 8260<br>(3), 9139 (4)        | 859, 2544 (4), 3324,<br>3337, 3343, 3360,<br>3362, 3376, 3379                        |
| 5205                                | $2^4 : S_3$          | 96    | 623700 | 7767, 7287 (2), 7446,<br>7784 (2), 7281, 8261<br>(3), 9172 (4)        | 860, 2549 (4), 3335,<br>3340, 3344, 3361,<br>3366, 3371, 3387                        |
| 5206                                | $2^4 : S_3$          | 96    | 623700 | 7770, 7788 (2), 7447,<br>7286 (2), 7280, 8261<br>(3), 9173 (4)        | 860, 2548 (4), 3334,<br>3341, 3345, 3360,<br>3367, 3370, 3386                        |
| 5207                                | $2^4 : S_3$          | 96    | 207900 | 7281 (3), 7793 (3),<br>7448, 8262 (3), 9174<br>(4)                    | 861, 2553, 3318, 3359<br>(3), 3363 (3), 3365,<br>3366 (3), 3372 (3),<br>3374         |
| 5208                                | $2^4 : S_3$          | 96    | 207900 | 7280 (3), 7449, 7801<br>(3), 8262 (3), 9175<br>(4)                    | 861, 2552, 3319, 3358<br>(3), 3362 (3), 3364,<br>3367 (3), 3373 (3),<br>3375         |
| 5209                                | $2^4 : S_3$          | 96    | 207900 | 7774, 7776, 7276,<br>7287, 7775, 7284,<br>7403, 8263 (3), 9154<br>(4) | 862, 2555 (4), 2557<br>(4), 3329 (3), 3361<br>(6)                                    |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                     |
| 5210                                | $2^4 : S_3$      | 96    | 207900  | 7779, 7778, 7277, 7285, 7450, 7286, 7777, 8263 (3), 9176 (4)                           | 862, 2554 (4), 2556 (4), 3328 (3), 3360 (6)            |
| 5211                                | $2^4 : S_3$      | 96    | 1247400 | 7287, 7282, 7452, 7784, 7781, 7284, 7765, 8264 (3), 9178 (4)                           | 863, 2558 (2), 2560 (2), 3335, 3361, 3378              |
| 5212                                | $2^4 : S_3$      | 96    | 1247400 | 7451, 7285, 7789, 7283, 7790, 7791, 7286, 8264 (3), 9177 (4)                           | 863, 2559 (2), 2561 (2), 3334, 3360, 3379              |
| 5213                                | $2^4 : S_3$      | 96    | 4989600 | 7544, 7289, 7288, 7537, 7271, 7637, 7459, 8265 (3), 9179 (4)                           | 871, 2168  |
| 5214                                | $2^4 : S_3$      | 96    | 623700  | 7476, 7802, 7280, 7278, 7803, 7286, 7804, 8266 (3), 9141 (4)                           | 892, 3323, 3328, 3370, 3375, 3379, 3381, 3382          |
| 5215                                | $2^4 : S_3$      | 96    | 623700  | 7438, 7775, 7281, 7287, 7805, 7279, 7797, 8266 (3), 9180 (4)                           | 892, 3322, 3329, 3371, 3374, 3378, 3380, 3383          |
| 5216                                | $2^4 : S_3$      | 96    | 623700  | 7806, 7283 (2), 7280, 7807 (2), 7478, 8267 (3), 9182 (4)                               | 893, 3323, 3326, 3364, 3369, 3376, 3385, 3386          |
| 5217                                | $2^4 : S_3$      | 96    | 623700  | 7477, 7282 (2), 7281, 7805 (2), 7796, 8267 (3), 9181 (4)                               | 893, 3322, 3327, 3365, 3368, 3377, 3384, 3387          |
| 5218                                | $2^4 : S_3$      | 96    | 623700  | 7278, 7808, 7283, 7480, 7809, 7810, 7285, 8268 (3), 9184 (4)                           | 894, 3326 (2), 3328, 3379 (2)                          |
| 5219                                | $2^4 : S_3$      | 96    | 623700  | 7284, 7776, 7282, 7479, 7805, 7811, 7279, 8268 (3), 9183 (4)                           | 894, 3327 (2), 3329, 3378 (2)                          |
| 5220                                | $2^4 \times S_3$ | 96    | 207900  | 7292 (4), 7338 (4), 7293 (4), 7348 (4), 7601, 7296 (6), 7295 (6), 7594, 7291, 8247 (3) | 1132 (4), 2090, 2563 (4), 2599 (4), 3388 (6), 3574 (3) |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5221                                | $D_8 \times 2 \times S_3$ | 96    | 1247400 | 7566, 7335 (2), 7319 (2), 7592, 7294, 7300 (2), 7332 (2), 7291, 7664, 7297, 7443, 8252 (3)                 | 1133 (2), 2091, 2506, 2533 (2), 2564 (2), 3388, 3475, 3505 |
| 5222                                | $D_8 \times 2 \times S_3$ | 96    | 1247400 | 7298, 7349 (2), 7342 (2), 7294, 7458, 7321 (2), 7306 (2), 7295, 7617, 7665, 7666, 8269 (3)                 | 1134 (2), 2093, 2565 (2), 2579, 3388, 3479, 3515           |
| 5223                                | $2^4 \times S_3$          | 96    | 415800  | 7296 (3), 7351 (6), 7334 (6), 7667 (3), 7299 (3), 7668 (3), 7343 (2), 7620, 7294, 7455, 7324 (2), 8270 (3) | 1135 (2), 2095, 2566 (2), 2580, 3388 (3), 3482, 3517 (3)   |
| 5224                                | $D_8 \times 2 \times S_3$ | 96    | 1247400 | 7299, 7468, 7339 (2), 7298, 7346 (2), 7598, 7308 (2), 7291, 7672, 7596, 7326 (2), 8271 (3)                 | 1136 (2), 2098, 2567 (2), 2601 (2), 3388, 3505, 3573       |
| 5225                                | $2^2 \times 4 \times S_3$ | 96    | 1247400 | 7415, 7327 (2), 7416, 7426, 7302 (2), 7354 (2), 7297, 7296, 7425, 7352 (2), 7298, 8232 (3)                 | 1137 (2), 1845 (2), 2100, 2568 (2), 3388, 3421, 3570       |
| 5226                                | $D_8 \times 2 \times S_3$ | 96    | 1247400 | 7299, 7676, 7358 (2), 7297, 7301 (2), 7675, 7295, 7357 (2), 7677, 7474, 7329 (2), 8272 (3)                 | 1138 (2), 2101, 2569 (2), 3388, 3506, 3569                 |
| 5227                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7292, 7302, 7301, 7382, 7368, 7334, 7306, 7369, 7308, 7367, 7366, 7384, 7300, 7363, 7383, 8129 (3)         | 1141, 1201 (2), 2103, 2516 (2), 2619, 2629, 2709, 3388     |
| 5228                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7372, 7307, 7375, 7373, 7379, 7378, 7303, 7304, 7333, 7311, 7374, 7380, 7381, 7305, 7309, 8148 (3)         | 1142, 1205 (2), 2104, 2632, 3389                           |

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|-------------------------------------|---------------------------|-------|---------|--|---|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                        |
| 5229                                | $2^4 \times S_3$          | 96    | 831600  | 7314 (3), 7528 (3),<br>7311 (3), 7312 (3),<br>7252 (3), 7639, 7347,<br>7337, 7500, 7315 (3),<br>7545 (3), 7310, 7525,<br>7546 (3), 7527, 8273<br>(3) | 1144, 2089, 2600,<br>2759, 3389 (3)       |
| 5230                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7336, 7621, 7303,<br>7310, 7253, 7535,<br>7313, 7331, 7492,<br>7490, 7316, 7501,<br>7533, 7320, 7547,<br>8260 (3)                                    | 1145, 2092, 2544,<br>2545, 2720, 3389     |
| 5231                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7317, 7350, 7531,<br>7313, 7499, 7322,<br>7540, 7314, 7532,<br>7341, 7543, 7307,<br>7541, 7498, 7542,<br>8274 (3)                                    | 1146, 2094, 2156 (2),<br>2522, 2595, 3389 |
| 5232                                | $2^4 \times S_3$          | 96    | 831600  | 7315 (3), 7549 (3),<br>7333 (3), 7290 (3),<br>7254, 7669 (3), 7313,<br>7539, 7323, 7670 (3),<br>7318 (3), 7548 (3),<br>7538, 7344, 7502,<br>8275 (3) | 1147, 2096, 2596,<br>2752, 3389 (3)       |
| 5233                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7318, 7345, 7255,<br>7317, 7553, 7325,<br>7642, 7310, 7552,<br>7340, 7671, 7309,<br>7551, 7503, 7550,<br>8276 (3)                                    | 1148, 2097, 2602,<br>2760, 3389           |
| 5234                                | $2^2 \times 4 \times S_3$ | 96    | 2494800 | 7353, 7554, 7328,<br>7355, 7256, 7674,<br>7317, 7315, 7555,<br>7557, 7305, 7504,<br>7673, 7316, 7556,<br>8277 (3)                                    | 1149, 2099, 2793,<br>3389                 |

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|-------------------------------------|---------------------------|-------|---------|---|--|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 5235                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7318, 7356, 7559,<br>7316, 7257, 7330,<br>7558, 7314, 7679,<br>7359, 7561, 7304,<br>7505, 7560, 7678,<br>8278 (3) | 1150, 2102, 2797,<br>3389                                  |
| 5236                                | $D_8 \times 2 \times S_3$ | 96    | 831600  | 7324, 7507, 7513,<br>7327, 7321, 7509,<br>7366, 7292, 7326,<br>7518, 7511, 7516,<br>7329, 7482, 7319,<br>8253 (3) | 1151, 2105 (3), 2507,<br>2534, 2606, 2683 (3),<br>3388 (3) |
| 5237                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7323, 7325, 7494,<br>7328, 7493, 7330,<br>7680, 7311, 7583,<br>7320, 7576, 7322,<br>7395, 7506, 7681,<br>8279 (3) | 1152, 2106, 2593,<br>2730, 3389                            |
| 5238                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7567, 7293, 7481,<br>7568, 7367, 7611,<br>7343, 7319, 7354,<br>7308, 7507, 7573,<br>7682, 7342, 7358,<br>8254 (3) | 1153, 2107, 2508,<br>2535, 2605, 2717,<br>3388             |
| 5239                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7344, 7613, 7355,<br>7341, 7683, 7610,<br>7312, 7320, 7495,<br>7612, 7359, 7508,<br>7684, 7309, 7496,<br>8280 (3) | 1154, 2108, 2594,<br>2755, 3389                            |
| 5240                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7484, 7688, 7343,<br>7321, 7339, 7348,<br>7567, 7509, 7352,<br>7301, 7628, 7382,<br>7635, 7332, 7687,<br>8240 (3) | 1155, 2110, 2540,<br>2541, 2607, 2719,<br>3388             |
| 5241                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7322, 7304, 7623,<br>7625, 7340, 7347,<br>7569, 7510, 7685,<br>7686, 7344, 7632,<br>7630, 7331, 7353,<br>8240 (3) | 1156, 2109, 2546,<br>2547, 2719, 3389                      |

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|-------------------------------------|---------------------------|-------|---------|---|--|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups                                       |
| 5242                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7338, 7628, 7342,<br>7302, 7483, 7690,<br>7357, 7324, 7383,<br>7568, 7332, 7624,<br>7511, 7346, 7689,<br>8258 (3) | 1157, 2111, 2542,<br>2543, 2586 (2), 2608,<br>2718, 3388 |
| 5243                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7337, 7345, 7691,<br>7305, 7570, 7331,<br>7634, 7323, 7692,<br>7356, 7629, 7341,<br>7638, 7512, 7633,<br>8261 (3) | 1158, 2112, 2548,<br>2549, 2722, 3389                    |
| 5244                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7334, 7687, 7349,<br>7327, 7368, 7573,<br>7335, 7338, 7689,<br>7693, 7358, 7574,<br>7513, 7339, 7489,<br>8281 (3) | 1159, 2113, 2598,<br>2621, 2725, 3388                    |
| 5245                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7333, 7359, 7697,<br>7328, 7577, 7340,<br>7575, 7337, 7694,<br>7350, 7695, 7336,<br>7514, 7581, 7696,<br>8282 (3) | 1160, 2114, 2597,<br>2731, 3389                          |
| 5246                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7515, 7307, 7643,<br>7640, 7701, 7700,<br>7336, 7347, 7290,<br>7330, 7641, 7699,<br>7698, 7345, 7355,<br>8186 (3) | 1161, 2115, 2603,<br>2761, 3389                          |
| 5247                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7516, 7688, 7346,<br>7348, 7351, 7306,<br>7614, 7369, 7354,<br>7329, 7611, 7488,<br>7693, 7335, 7690,<br>8283 (3) | 1162, 2116, 2604,<br>2620, 2733, 3388                    |
| 5248                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7290, 7703, 7702,<br>7353, 7356, 7705,<br>7704, 7312, 7303,<br>7706, 7707, 7517,<br>7350, 7708, 7325,<br>8284 (3) | 1163, 2117, 2819,<br>3389                                |

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|-------------------------------------|---------------------------|-------|---------|---|--|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 5249                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7352, 7624, 7682,<br>7351, 7357, 7384,<br>7614, 7293, 7326,<br>7574, 7487, 7518,<br>7349, 7635, 7300,<br>8285 (3) | 1164, 2118, 2618,<br>2707, 2775, 3388  |
| 5250                                | $2^4 : S_3$               | 96    | 623700  | 7433, 7519, 7798,<br>8245 (3), 9324 (4)   | 1165, 3346, 3390,<br>3392, 3393, 3394,<br>3395, 3396   |
| 5251                                | $Q_8 \times 2 : S_3$      | 96    | 2494800 | 7362, 7361, 7360,<br>8127 (3), 9325 (4)   | 1166 (2), 2189, 2628<br>(2), 3519  |
| 5252                                | $2^4 : S_3$               | 96    | 311850  | 7364, 7275, 7766,<br>8116 (3), 9186 (4)   | 1175 (4), 3336 (2),<br>3397, 3414 (2), 3637,<br>3758, 3775 (2), 3789<br>(2)                  |
| 5253                                | $D_8 \times A_4$          | 96    | 311850  | 7365, 7430, 7766,<br>8117, 9187 (4)   | 1177 (4), 3342 (2),<br>3397, 3401 (2), 3649,<br>3750, 3781 (2), 3815<br>(2)                  |
| 5254                                | $2^2 \times 4 : S_3$      | 96    | 311850  | 7365, 7275, 7767,<br>8121 (3), 9188 (4)   | 1178 (4), 3344 (2),<br>3397, 3399 (2), 3638,<br>3711, 3789 (2), 3792<br>(2)                  |
| 5255                                | $2^2 \times 4 : S_3$      | 96    | 311850  | 7365, 7432, 7364,<br>8122 (3), 9189 (4)   | 1179 (4), 3338 (2),<br>3397, 3413 (2), 3660,<br>3716, 3810 (2), 3812<br>(2)                  |
| 5256                                | $2^4 : S_3$               | 96    | 311850  | 7364, 7430, 7767,<br>8123 (3), 9190 (4)   | 1180 (4), 3340 (2),<br>3397, 3412 (2), 3661,<br>3722, 3815 (2), 3817<br>(2)                  |
| 5257                                | $2^2 \times 4 : S_3$      | 96    | 623700  | 7370, 7275, 7445,<br>8141 (3), 9191 (4)   | 1200 (2), 1846 (2),<br>2670 (2), 3336, 3347,<br>3398, 3399, 3442,<br>3700, 3729              |
| 5258                                | $D_8 \times A_4$          | 96    | 623700  | 7766, 7448, 7370,<br>8131, 9192 (4)   | 1204 (2), 2645, 3336,<br>3363, 3400, 3401,<br>3586, 3595, 3644                               |
| 5259                                | $2^2 \times 4 : S_3$      | 96    | 623700  | 7377, 7432, 7370,<br>8142 (3), 9193 (4)   | 1206 (2), 1848 (2),<br>1874 (4), 2643 (2),<br>3338, 3355, 3398,<br>3400, 3435, 3718,<br>3736 |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups                       | Minimal Overgroups  |
| 5260                                | $D_8 \times A_4$                | 96    | 623700 | 7446, 7430, 7370,<br>8143, 9194 (4)     | 1207 (2), 1847 (2),<br>2681 (2), 3340, 3357,<br>3398, 3401, 3433,<br>3720, 3735 |
| 5261                                | $2^2 \times 4 : S_3$            | 96    | 623700 | 7444, 7420, 7371,<br>8149 (3), 9197 (4) | 1208 (2), 1849 (2),<br>3337, 3402, 3405,<br>3423, 3441, 3522,<br>3756           |
| 5262                                | $D_8 \times A_4$                | 96    | 623700 | 7371, 7429, 7447,<br>8150, 9198 (4)     | 1209 (2), 1850 (2),<br>3341, 3402, 3403,<br>3428, 3434, 3538,<br>3733           |
| 5263                                | $2^2 \times 4 : S_3$            | 96    | 623700 | 7371, 7431, 7376,<br>8151 (3), 9199 (4) | 1210 (2), 1851 (2),<br>3339, 3402, 3404,<br>3427, 3436, 3531,<br>3738           |
| 5264                                | $2^2 \times 4 : S_3$            | 96    | 623700 | 7767, 7370, 7477,<br>8152 (3), 9195 (4) | 1211 (2), 3340, 3387,<br>3399, 3400, 3587,<br>3723, 3734                        |
| 5265                                | $A_4 \times 2 \times 2 \cdot 2$ | 96    | 623700 | 7365, 7370, 7438,<br>8153, 9196 (4)     | 1212 (2), 3338, 3383,<br>3399, 3401, 3588,<br>3719, 3737                        |
| 5266                                | $D_8 \times A_4$                | 96    | 623700 | 7371, 7519, 7768,<br>8128, 9200 (4)     | 1213 (2), 3337, 3392,<br>3403, 3404, 3492,<br>3752, 3753                        |
| 5267                                | $2^2 \times 4 : S_3$            | 96    | 623700 | 7770, 7371, 7769,<br>8154 (3), 9201 (4) | 1214 (2), 3341, 3404,<br>3405, 3537, 3589,<br>3724, 3732                        |
| 5268                                | $A_4 \times 2 \cdot 2 \times 2$ | 96    | 623700 | 7371, 7441, 7390,<br>8155, 9202 (4)     | 1215 (2), 3339, 3403,<br>3405, 3534, 3590,<br>3713, 3739                        |
| 5269                                | $2^4 : S_3$                     | 96    | 623700 | 7445, 7430, 7377,<br>8165 (3), 9204 (4) | 1218 (2), 1852 (2),<br>2671 (2), 3342, 3348,<br>3398, 3412, 3440,<br>3701, 3735 |
| 5270                                | $2^4 : S_3$                     | 96    | 623700 | 7444, 7429, 7376,<br>8166 (3), 9205 (4) | 1219 (2), 1853 (2),<br>3343, 3402, 3408,<br>3424, 3439, 3547,<br>3748           |
| 5271                                | $2^4 : S_3$                     | 96    | 623700 | 7446, 7275, 7377,<br>8167 (3), 9206 (4) | 1220 (2), 1854 (2),<br>2675 (2), 3344, 3352,<br>3398, 3414, 3431,<br>3712, 3729 |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 5272                                | $2^4 : S_3$          | 96    | 623700  | 7376, 7447, 7420,<br>8168 (3), 9207 (4)                  | 1221 (2), 1855 (2),<br>3345, 3402, 3409,<br>3426, 3432, 3526,<br>3731 |
| 5273                                | $Q_8 : 2 \times S_3$ | 96    | 2494800 | 7391, 7394, 7385,<br>7387, 7392, 7386,<br>7393, 8127 (3) | 1229 (2), 2187, 2628<br>(2), 3575                                     |
| 5274                                | $2^4 : S_3$          | 96    | 623700  | 7364, 7448, 7445,<br>8169 (3), 9208 (4)                  | 1235 (2), 2768, 3336,<br>3359, 3412, 3413,<br>3615, 3656, 3668        |
| 5275                                | $2^4 : S_3$          | 96    | 623700  | 7444, 7519, 7389,<br>8108 (3), 9209 (4)                  | 1236 (2), 3337, 3390,<br>3408, 3411, 3639,<br>3755, 3757              |
| 5276                                | $2^4 : S_3$          | 96    | 623700  | 7768, 7420, 7389,<br>8170 (3), 9210 (4)                  | 1237 (2), 3337, 3409,<br>3410, 3486, 3653,<br>3751, 3754              |
| 5277                                | $2^2 \times 4 : S_3$ | 96    | 623700  | 7389, 7431, 7390,<br>8171 (3), 9211 (4)                  | 1238 (2), 3339, 3410,<br>3411, 3533, 3662,<br>3667, 3714              |
| 5278                                | $2^4 \cdot S_3$      | 96    | 623700  | 7389, 7441, 7376,<br>8172 (3), 9212 (4)                  | 1239 (2), 3339, 3408,<br>3409, 3530, 3666,<br>3670, 3715              |
| 5279                                | $2^4 \cdot S_3$      | 96    | 623700  | 7377, 7438, 7364,<br>8173 (3), 9213 (4)                  | 1240 (2), 3338, 3380,<br>3412, 3414, 3656,<br>3659, 3717              |
| 5280                                | $2^4 : S_3$          | 96    | 623700  | 7364, 7446, 7477,<br>8174 (3), 9214 (4)                  | 1241 (2), 3340, 3384,<br>3413, 3414, 3659,<br>3668, 3721              |
| 5281                                | $2^4 : S_3$          | 96    | 623700  | 7769, 7447, 7389,<br>8175 (3), 9215 (4)                  | 1242 (2), 3341, 3409,<br>3411, 3539, 3655,<br>3663, 3726              |
| 5282                                | $2^4 : S_3$          | 96    | 623700  | 7389, 7429, 7770,<br>8176 (3), 9216 (4)                  | 1243 (2), 3341, 3408,<br>3410, 3536, 3657,<br>3665, 3725              |
| 5283                                | $2^4 : S_3$          | 96    | 623700  | 7477, 7377, 7766,<br>8177 (3), 9217 (4)                  | 1244 (2), 3342, 3377,<br>3400, 3414, 3644,<br>3647, 3740              |
| 5284                                | $2^2 \times 4 : S_3$ | 96    | 623700  | 7477, 7445, 7365,<br>8178 (3), 9218 (4)                  | 1245 (2), 3342, 3368,<br>3399, 3413, 3641,<br>3702, 3737              |
| 5285                                | $D_8 \times A_4$     | 96    | 623700  | 7768, 7429, 7390,<br>8179, 9219 (4)                      | 1246 (2), 3343, 3403,<br>3410, 3513, 3672,<br>3703, 3747              |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5286                                | $2^4 : S_3$                      | 96    | 623700  | 7376, 7768, 7769,<br>8180 (3), 9220 (4)                        | 1247 (2), 3343, 3404,<br>3409, 3511, 3673,<br>3704, 3749       |
| 5287                                | $2^2 \times 4 : S_3$             | 96    | 623700  | 7444, 7390, 7769,<br>8181 (3), 9221 (4)                        | 1248 (2), 3343, 3405,<br>3411, 3548, 3645,<br>3675, 3746       |
| 5288                                | $2^4 : S_3$                      | 96    | 623700  | 7767, 7377, 7448,<br>8182 (3), 9222 (4)                        | 1249 (2), 2651, 3344,<br>3366, 3400, 3412,<br>3587, 3594, 3622 |
| 5289                                | $D_8 \times A_4$                 | 96    | 623700  | 7365, 7446, 7448,<br>8183, 9223 (4)                            | 1250 (2), 2772, 3344,<br>3372, 3401, 3413,<br>3588, 3619, 3641 |
| 5290                                | $2^2 \times 4 : S_3$             | 96    | 623700  | 7420, 7390, 7770,<br>8184 (3), 9224 (4)                        | 1251 (2), 3345, 3405,<br>3410, 3529, 3640,<br>3674, 3730       |
| 5291                                | $D_8 \times A_4$                 | 96    | 623700  | 7519, 7447, 7390,<br>8185, 9225 (4)                            | 1252 (2), 3345, 3395,<br>3403, 3411, 3527,<br>3642, 3710       |
| 5292                                | $2^4 : S_3$                      | 96    | 623700  | 7376, 7519, 7770,<br>8114 (3), 9226 (4)                        | 1253 (2), 3345, 3396,<br>3404, 3408, 3525,<br>3643, 3709       |
| 5293                                | $2^4 : S_3$                      | 96    | 831600  | 7397 (3), 7651 (3),<br>7605, 8257 (3), 9160<br>(4)             | 1502, 2203, 2509,<br>2636, 3417 (3)                            |
| 5294                                | $2^4 : S_3$                      | 96    | 2494800 | 7397, 7626 (2), 7396<br>(2), 7615, 7618, 8258<br>(3), 9162 (4) | 1503, 2215, 2510,<br>2586 (2), 3417                            |
| 5295                                | $2^2 \times 4 : S_3$             | 96    | 2494800 | 7454, 7397, 7457,<br>8241 (3), 9169 (4)                        | 1504, 1856 (2), 2226,<br>2513, 3417                            |
| 5296                                | $2^4 : S_3$                      | 96    | 415800  | 7401 (3), 7644 (3),<br>7606, 8286 (3), 9326<br>(4)             | 1505 (2), 2193, 2637,<br>3418 (3), 3451, 3472<br>(3)           |
| 5297                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 415800  | 7402 (3), 7645 (3),<br>7606, 8229, 9327 (4)                    | 1506 (2), 2195, 2235,<br>2638, 3419 (3), 3451,<br>3474 (3)     |
| 5298                                | $2^4 : S_3$                      | 96    | 1247400 | 7409 (2), 7401, 7400<br>(2), 7646, 7619, 8287<br>(3), 9328 (4) | 1507 (2), 2218, 3418,<br>3452, 3501                            |
| 5299                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 1247400 | 7619, 7402, 7398 (2),<br>7408 (2), 7647, 8230,<br>9329 (4)     | 1508 (2), 2219, 2288,<br>3419, 3452, 3502                      |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5300                                | $2^2 \times 4 : S_3$             | 96    | 1247400 | 7656, 7401, 7648, 8288 (3), 9330 (4)                               | 1509 (2), 2224, 3418, 3453, 3504   |
| 5301                                | $A_4 \times 2 \cdot 2 \times 2$  | 96    | 1247400 | 7656, 7402, 7649, 8231, 9331 (4)                                   | 1510 (2), 2225, 2291, 3419, 3453, 3503                                     |
| 5302                                | $2^4 : 3 \times 2$               | 96    | 831600  | 7602, 8229, 9248 (4), 9332 (4), 9123 (12)                          | 1511 (2), 2192, 2236, 2638, 3471 (3)                                       |
| 5303                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 14850   | 7783 (7), 8229, 9247 (4)   | 1512 (8), 2638 (28), 3420, 3604 (21), 3609 (21)                            |
| 5304                                | $2^4 : S_3$                      | 96    | 2494800 | 7407, 7408, 7406, 7411, 7410, 7409, 7405, 8289 (3), 9184 (4)       | 1829 (2), 2182, 3452   |
| 5305                                | $2^2 \times 4 : S_3$             | 96    | 103950  | 7434, 7432, 7413, 8238 (3), 9266 (4)                               | 1857 (8), 1884 (4), 2642 (4), 3355 (6), 3429, 3437 (6), 3716 (3), 3741 (3) |
| 5306                                | $2^4 \cdot S_3$                  | 96    | 623700  | 7438, 7413, 7377, 8239 (3), 9267 (4)                               | 1858 (4), 1924 (2), 2641 (2), 3355, 3383, 3431, 3440, 3594, 3717, 3740     |
| 5307                                | $2^3 \cdot 2 : S_3$              | 96    | 1247400 | 7443, 7460, 7417, 7297, 7442, 7414, 7461, 8233 (3)                 | 1859 (2), 2223, 2512, 3421, 3475, 3506                                     |
| 5308                                | $D_8 \times 2 \cdot S_3$         | 96    | 1247400 | 7414, 7418, 7462, 7415, 7453, 7458, 7463, 8142 (3)                 | 1860 (2), 2253, 2643, 3421, 3479, 3518                                     |
| 5309                                | $2^2 \times 4 \times S_3$        | 96    | 415800  | 7416 (3), 7464 (3), 7465 (3), 7419 (3), 7414, 7456, 7455, 8234 (3) | 1861 (2), 2262, 2644, 3421 (3), 3482, 3516 (3)                             |
| 5310                                | $2 \times 4 \cdot 2 : S_3$       | 96    | 1247400 | 7419, 7418, 7467, 7297, 7466, 7468, 7469, 8235 (3)                 | 1862 (2), 2331, 3421, 3505, 3569   |
| 5311                                | $4^2 \times S_3$                 | 96    | 623700  | 7416 (2), 7470, 7471, 7417, 7418 (2), 8236 (3)                     | 1863 (4), 2336, 3421 (2), 3571, 3576 (2)                                   |
| 5312                                | $2 \times 4 : 2 : S_3$           | 96    | 1247400 | 7419, 7417, 7473, 7415, 7472, 7474, 7475, 8237 (3)                 | 1864 (2), 2337, 3421, 3506, 3572   |
| 5313                                | $2^4 : S_3$                      | 96    | 207900  | 7423 (3), 7420 (3), 7449, 8290 (3), 9333 (4)                       | 1865 (2), 2656, 3319, 3422, 3423 (3), 3426 (3), 3653 (3), 3671, 3674 (3)   |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 5314                                | $2^4 : S_3$                     | 96    | 623700 | 7421 (2), 7429, 7420, 7422 (2), 7431, 8281 (3), 9334 (4)     | 1866 (2), 2598 (4), 3321, 3402, 3410, 3422, 3430, 3520, 3727             |
| 5315                                | $2^4 : S_3$                     | 96    | 623700 | 7476, 7424 (2), 7420, 7422 (2), 7478, 8291 (3), 9335 (4)     | 1867 (2), 3323, 3422, 3432, 3441, 3521, 3730, 3754                       |
| 5316                                | $2^4 : S_3$                     | 96    | 207900 | 7423 (3), 7444 (3), 7427, 8131 (3), 9326 (4)                 | 1868 (2), 2645, 3324, 3423 (3), 3424 (3), 3425, 3639 (3), 3645 (3), 3650 |
| 5317                                | $2^4 : S_3$                     | 96    | 623700 | 7423, 7478, 7422 (2), 7480 (2), 7429, 8132 (3), 9328 (4)     | 1869 (2), 3326, 3422, 3424, 3428, 3467, 3703, 3725                       |
| 5318                                | $2^4 : S_3$                     | 96    | 623700 | 7480, 7424, 7421, 7450, 7423, 7431, 7476, 8292 (3), 9336 (4) | 1870 (2), 3328, 3422, 3425, 3427, 3466, 3707, 3714                       |
| 5319                                | $2^2 \times 4 : S_3$            | 96    | 623700 | 7371, 7423, 7433, 8293 (3), 9337 (4)                         | 1871 (2), 3331, 3392, 3423, 3427, 3428, 3713, 3724                       |
| 5320                                | $2^2 \times 4 : S_3$            | 96    | 623700 | 7435, 7423, 7376, 8135 (3), 9330 (4)                         | 1872 (2), 3333, 3424, 3426, 3427, 3704, 3709, 3715                       |
| 5321                                | $2^4 : S_3$                     | 96    | 623700 | 7423, 7451 (2), 7424 (2), 7447, 7436, 8294 (3), 9338 (4)     | 1873 (2), 3334, 3425, 3426, 3428, 3708, 3710, 3726                       |
| 5322                                | $A_4 \times 2 \cdot 2 \times 2$ | 96    | 623700 | 7370, 7438, 7434, 8234, 9272 (4)                             | 1875 (4), 1922 (2), 2644 (2), 3355, 3380, 3433, 3442, 3595, 3719, 3734   |
| 5323                                | $2^4 : S_3$                     | 96    | 103950 | 7428, 7275, 7413, 8295 (3), 9301 (4)                         | 1876 (4), 2639, 2661 (4), 3347 (6), 3429, 3431 (6), 3637 (3), 3638 (3)   |
| 5324                                | $2^4 : S_3$                     | 96    | 623700 | 7427, 7420, 7433, 8296 (3), 9339 (4)                         | 1877 (2), 2640, 3346, 3423, 3430, 3432, 3486, 3603, 3640                 |
| 5325                                | $D_8 \times A_4$                | 96    | 103950 | 7428, 7430, 7434, 8297, 9306 (4)                             | 1878 (4), 2646, 2668 (4), 3348 (6), 3429, 3433 (6), 3649 (3), 3661 (3)   |

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| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups  |
| 5326                                | $D_8 \times A_4$                | 96    | 623700  | 7427, 7429, 7435, 8269, 9250 (4)                   | 1879 (2), 2647, 3349, 3424, 3430, 3434, 3513, 3596, 3657                              |
| 5327                                | $2^4 : S_3$                     | 96    | 207900  | 7431 (3), 7436 (3), 7427, 8298 (3), 9340 (4)       | 1880 (2), 2648, 3350, 3425, 3430 (3), 3436 (3), 3498, 3598 (3), 3667 (3)              |
| 5328                                | $2^4 : S_3$                     | 96    | 34650   | 7432 (3), 7437 (3), 7428, 8297 (3), 9307 (4)       | 1881 (4), 2646, 2666 (4), 2667 (8), 3351 (6), 3429 (3), 3435 (18), 3648 (3), 3660 (9) |
| 5329                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7436, 7420, 7435, 8299 (3), 9341 (4)               | 1882 (2), 3353, 3426, 3430, 3441, 3529, 3728, 3751                                    |
| 5330                                | $2^2 \times 4 : S_3$            | 96    | 103950  | 7434, 7275, 7437, 8300 (3), 9318 (4)               | 1883 (4), 2678 (4), 3352 (6), 3429, 3442 (6), 3711 (3), 3758 (3)                      |
| 5331                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7433, 7431, 7435, 8242 (3), 9281 (4)               | 1885 (2), 1888 (4), 3354, 3394, 3427, 3430, 3438, 3533, 3744                          |
| 5332                                | $2^4 : S_3$                     | 96    | 103950  | 7437, 7430, 7413, 8301 (3), 9322 (4)               | 1886 (4), 2680 (4), 3357 (6), 3429, 3440 (6), 3722 (3), 3750 (3)                      |
| 5333                                | $2^4 : S_3$                     | 96    | 623700  | 7433, 7429, 7436, 8302 (3), 9342 (4)               | 1887 (2), 3356, 3393, 3428, 3430, 3439, 3536, 3747                                    |
| 5334                                | $A_4 \times 2 \cdot 2 \times 2$ | 96    | 623700  | 7435, 7441, 7439, 8232, 9243 (4)                   | 1889 (4), 3354, 3534, 3596, 3597, 3715, 3728, 3743                                    |
| 5335                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7439, 7431, 7440, 8235 (3), 9282 (4)               | 1890 (4), 3354, 3531, 3598, 3599, 3714, 3727, 3742                                    |
| 5336                                | $2^4 \cdot S_3$                 | 96    | 623700  | 7433, 7441, 7440, 8243 (3), 9283 (4)               | 1891 (4), 3354, 3393, 3530, 3601, 3603, 3713, 3745                                    |
| 5337                                | $2^3 \cdot 2 \times S_3$        | 96    | 1247400 | 7425, 7466, 7453, 7442, 7470, 7455, 7472, 8239 (3) | 1892 (2), 2252, 2641, 3421, 3477, 3517  |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 5338                                | $D_8 \times 12$           | 96    | 1247400 | 7456, 7471, 7473,<br>7426, 7442, 7458,<br>7469, 8238  | 1893 (2), 2263, 2642,<br>3421, 3483, 3515  |
| 5339                                | $D_8 \times 2 \times S_3$ | 96    | 1247400 | 7363, 7474, 7487,<br>7296, 7455, 7484,<br>7443, 7482, 7416,<br>7488, 7468, 7458,<br>7483, 7481, 7489,<br>8240 (3) | 1894 (2), 2222, 2511,<br>2607 (2), 3388, 3421,<br>3482   |
| 5340                                | $2^2 \times 4 : S_3$      | 96    | 1247400 | 7467, 7298, 7453,<br>7443, 7475, 7456,<br>7418, 8241 (3)  | 1895 (2), 2227, 2513,<br>3421, 3479, 3505  |
| 5341                                | $D_8 \times A_4$          | 96    | 623700  | 7449, 7427, 7371,<br>8262, 9343 (4)   | 1896 (2), 2552, 2553,<br>3358, 3423, 3434,<br>3436, 3492, 3589,<br>3590                        |
| 5342                                | $D_8 \times A_4$          | 96    | 623700  | 7448, 7428, 7370,<br>8257, 9344 (4)   | 1897 (2), 2550, 2551,<br>2636 (4), 2662 (2),<br>3347, 3359, 3433,<br>3435, 3586, 3587,<br>3588 |
| 5343                                | $2^4 : S_3$               | 96    | 623700  | 7450 (2), 7447, 7431,<br>7451 (2), 7444, 8282<br>(3), 9345 (4)  | 1898 (2), 2597 (4),<br>3360, 3402, 3411,<br>3425, 3438, 3523,<br>3742                          |
| 5344                                | $2^4 : S_3$               | 96    | 623700  | 7403 (2), 7445, 7432,<br>7452 (2), 7446, 8279<br>(3), 9346 (4)  | 1899 (2), 2593 (4),<br>2674 (2), 3351, 3361,<br>3398, 3413, 3437,<br>3706, 3736                |
| 5345                                | $2^4 : S_3$               | 96    | 623700  | 7413, 7448, 7445,<br>8296 (3), 9347 (4)   | 1900 (2), 2640, 2669<br>(2), 3347, 3363,<br>3437, 3440, 3594,<br>3615, 3641                    |
| 5346                                | $2^4 : S_3$               | 96    | 623700  | 7444, 7449, 7433,<br>8303 (3), 9348 (4)   | 1901 (2), 2649, 3362,<br>3390, 3423, 3438,<br>3439, 3601, 3675                                 |
| 5347                                | $2^4 : S_3$               | 96    | 207900  | 7431 (3), 7478 (3),<br>7449, 8304 (3), 9349<br>(4)  | 1902 (2), 2650, 3364,<br>3422, 3436 (3), 3438<br>(3), 3465, 3599 (3),<br>3662 (3)              |

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| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups                            | Minimal Overgroups   |
| 5348                                | $2^4 : S_3$                      | 96    | 207900 | 7432 (3), 7448, 7477 (3), 8269 (3), 9350 (4) | 1903 (2), 2579 (6), 2647, 3320, 3365, 3400 (3), 3413 (3), 3435 (3), 3437 (3), 3625 |
| 5349                                | $D_8 \times A_4$                 | 96    | 623700 | 7434, 7448, 7446, 8298, 9351 (4)             | 1904 (2), 2648, 2677 (2), 3352, 3366, 3433, 3437, 3595, 3619, 3668                 |
| 5350                                | $D_8 \times A_4$                 | 96    | 623700 | 7435, 7449, 7447, 8304, 9352 (4)             | 1905 (2), 2650, 3367, 3426, 3434, 3438, 3527, 3597, 3663                           |
| 5351                                | $2^4 : S_3$                      | 96    | 623700 | 7376, 7427, 7478, 8182 (3), 9353 (4)         | 1906 (2), 2651, 3369, 3424, 3432, 3436, 3511, 3643, 3670                           |
| 5352                                | $2^4 : S_3$                      | 96    | 623700 | 7477, 7428, 7377, 8305 (3), 9354 (4)         | 1907 (2), 2652, 2663 (2), 2664 (4), 3348, 3368, 3431, 3435, 3587, 3647, 3659       |
| 5353                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 207900 | 7438 (3), 7428, 7446 (3), 8306, 9355 (4)     | 1908 (2), 2654, 2665 (2), 3351, 3371, 3431 (3), 3433 (3), 3588 (3), 3652, 3659 (3) |
| 5354                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 207900 | 7476 (3), 7447 (3), 7427, 8307, 9356 (4)     | 1909 (2), 2653, 3370, 3425, 3432 (3), 3434 (3), 3496, 3642 (3), 3655 (3)           |
| 5355                                | $2^4 : S_3$                      | 96    | 623700 | 7449, 7436, 7376, 8308 (3), 9357 (4)         | 1910 (2), 2658, 3373, 3426, 3436, 3439, 3525, 3666, 3673                           |
| 5356                                | $2^4 : S_3$                      | 96    | 623700 | 7377, 7437, 7448, 8309 (3), 9358 (4)         | 1911 (2), 2657, 2676 (2), 3352, 3372, 3435, 3440, 3622, 3644, 3656                 |
| 5357                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 207900 | 7429 (3), 7476 (3), 7449, 8310, 9359 (4)     | 1912 (2), 2660, 3375, 3422, 3434 (3), 3439 (3), 3461, 3665 (3), 3672 (3)           |
| 5358                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 207900 | 7430 (3), 7438 (3), 7448, 8270, 9360 (4)     | 1913 (2), 2580 (6), 2659, 3320, 3374, 3401 (3), 3412 (3), 3433 (3), 3440 (3), 3617 |

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| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5359                                | $2 \times 4 \cdot 2 \times S_3$ | 96    | 1247400 | 7416, 7464, 7469, 7425, 7475, 7461, 7463, 8244 (3)       | 1914 (2), 2338, 3421, 3516, 3570                             |
| 5360                                | $2^2 \times 4 : S_3$            | 96    | 1247400 | 7465, 7418, 7462, 7426, 7466, 7474, 7461, 8145 (3)       | 1915 (2), 2335, 3421, 3518, 3569                             |
| 5361                                | $2 \times 4 : 2 \times S_3$     | 96    | 1247400 | 7470, 7464, 7473, 7296, 7467, 7462, 7460, 8243 (3)       | 1916 (2), 2333, 3421, 3517, 3574                             |
| 5362                                | $4^2 : S_3$                     | 96    | 1247400 | 7465, 7471, 7460, 7298, 7472, 7468, 7463, 8242 (3)       | 1917 (2), 2334, 3421, 3515, 3573                             |
| 5363                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7434, 7477, 7445, 8311 (3), 9361 (4)                     | 1918 (2), 2672 (2), 3348, 3377, 3437, 3442, 3668, 3702, 3734 |
| 5364                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7444, 7478, 7435, 8192 (3), 9362 (4)                     | 1919 (2), 3376, 3424, 3438, 3441, 3548, 3743, 3757           |
| 5365                                | $2^4 : S_3$                     | 96    | 623700  | 7438, 7437, 7479 (2), 7452 (2), 7445, 8312 (3), 9363 (4) | 1920 (2), 2673 (2), 3351, 3378, 3440, 3442, 3656, 3705, 3737 |
| 5366                                | $2^4 : S_3$                     | 96    | 623700  | 7476, 7451 (2), 7480 (2), 7444, 7436, 8313 (3), 9364 (4) | 1921 (2), 3379, 3425, 3439, 3441, 3524, 3746, 3755           |
| 5367                                | $A_4 \times 2 \cdot 2 \times 2$ | 96    | 623700  | 7371, 7476, 7435, 8314, 9365 (4)                         | 1923 (2), 3381, 3427, 3434, 3441, 3534, 3732, 3752           |
| 5368                                | $2^4 \cdot S_3$                 | 96    | 623700  | 7376, 7476, 7433, 8315 (3), 9366 (4)                     | 1925 (2), 3382, 3396, 3427, 3432, 3439, 3530, 3749           |
| 5369                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7436, 7478, 7371, 8316 (3), 9367 (4)                     | 1926 (2), 3385, 3428, 3436, 3441, 3537, 3739, 3753           |
| 5370                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7370, 7477, 7437, 8317 (3), 9368 (4)                     | 1927 (2), 2682 (2), 3357, 3384, 3435, 3442, 3644, 3723, 3737 |
| 5371                                | $2^4 : S_3$                     | 96    | 623700  | 7446, 7477, 7413, 8318 (3), 9369 (4)                     | 1928 (2), 2679 (2), 3357, 3387, 3431, 3437, 3641, 3721, 3740 |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups                                       |
| 5372                                | $2^4 : S_3$               | 96    | 623700  | 7447, 7478, 7433,<br>8319 (3), 9370 (4)   | 1929 (2), 3386, 3395,<br>3428, 3432, 3438,<br>3539, 3745 |
| 5373                                | $2^4 : S_3$               | 96    | 2494800 | 7523, 7585 (2), 7272,<br>7580 (2), 7562, 8320<br>(3), 9371 (4)  | 2120, 2152, 2153,<br>3450                                |
| 5374                                | $2^4 : S_3$               | 96    | 4989600 | 7524, 7631, 7261,<br>7563, 7491, 7578,<br>7579, 8321 (3), 9371<br>(4)   | 2120, 2713, 2757   |
| 5375                                | $2^4 : S_3$               | 96    | 2494800 | 7549, 7581, 7632,<br>7554, 7490, 7378,<br>7496, 7525, 7558,<br>7633, 7515, 7493,<br>7550, 7706, 7541,<br>8321 (3) | 2121, 2713, 2758,<br>3389                                |
| 5376                                | $2^2 \times 4 : S_3$      | 96    | 2494800 | 7526, 7272, 7565,<br>8322 (3), 9149 (4)   | 2122, 2154, 2155,<br>3450                                |
| 5377                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7552, 7629, 7556,<br>7514, 7561, 7643,<br>7542, 7630, 7495,<br>7490, 7708, 7527,<br>7381, 7494, 7548,<br>8323 (3) | 2123, 2712, 2756,<br>3389                                |
| 5378                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7685, 7504, 7678,<br>7543, 7496, 7703,<br>7374, 7494, 7691,<br>7696, 7701, 7255,<br>7492, 7528, 7669,<br>8324 (3) | 2124, 2822, 3389   |
| 5379                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7686, 7505, 7671,<br>7540, 7692, 7373,<br>7697, 7493, 7495,<br>7699, 7704, 7252,<br>7670, 7673, 7492,<br>8325 (3) | 2125, 2821, 3389   |
| 5380                                | $2^4 : S_3$               | 96    | 2494800 | 7407, 7398, 7497,<br>7586, 7588, 7400,<br>7406, 8326 (3), 9157<br>(4)   | 2131, 2132, 2684 (2),<br>3452                            |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5381                                | $2^4 : S_3$                      | 96    | 1247400 | 7402, 7609, 7273, 7497, 7608, 7405, 7401, 8327 (3), 9158 (4)                                       | 2133, 2134, 3451, 3452, 3453   |
| 5382                                | $D_8 \times 2 \times S_3$        | 96    | 831600  | 7504, 7517, 7512, 7502, 7498, 7510, 7372, 7500, 7501, 7508, 7514, 7515, 7505, 7506, 7503, 8263 (3) | 2135 (3), 2554, 2555, 2724, 3389 (3)                                     |
| 5383                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 207900  | 7519 (3), 7710 (3), 7449, 8246, 9372 (4)   | 2136 (3), 2773, 3319, 3390 (3), 3461, 3465, 3492 (3), 3525 (3), 3527 (3) |
| 5384                                | $2^2 \times 4 \cdot 2 : 3$       | 96    | 1247400 | 8328, 9373 (4)   | 2137, 3444, 3458, 3546   |
| 5385                                | $4^2 : 3 \times 2$               | 96    | 623700  | 7812, 8329, 9373 (4)   | 2137, 3447, 3449, 3455, 3457, 3463, 3542, 3543                           |
| 5386                                | $2^4 : 3 \times 2$               | 96    | 207900  | 7773, 8246, 9374 (8), 9373 (12)  | 2137 (3), 2773, 3391 (3), 3446 (3), 3454, 3460, 3462, 3540 (3), 3544 (3) |
| 5387                                | $2^4 : 3 \times 2$               | 96    | 623700  | 7782, 8330, 9258 (8), 9265 (8), 9373 (4)   | 2137, 3445, 3448, 3456, 3459, 3464, 3541, 3545                           |
| 5388                                | $2^4 : S_3$                      | 96    | 623700  | 7593 (2), 7709 (2), 7519, 7801, 7423, 8128 (3), 9113 (4)   | 2138 (2), 3319, 3392, 3466, 3467, 3639, 3709, 3710                       |
| 5389                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 623700  | 7595 (2), 7600 (2), 7519, 7429, 7441, 8247, 9239 (4)   | 2139 (2), 2599 (4), 3321, 3393, 3403, 3408, 3461, 3467, 3596             |
| 5390                                | $2^4 : S_3$                      | 96    | 623700  | 7597 (2), 7599 (2), 7519, 7769, 7431, 8271 (3), 9375 (4)   | 2140 (2), 2601 (4), 3321, 3394, 3404, 3411, 3465, 3466, 3598             |
| 5391                                | $2^4 : S_3$                      | 96    | 623700  | 7599 (2), 7519, 7478, 7660 (2), 7804, 8185 (3), 9376 (4)   | 2141 (2), 3323, 3395, 3465, 3467, 3643, 3753, 3757                       |
| 5392                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 623700  | 7659 (2), 7600 (2), 7519, 7476, 7806, 8249, 9377 (4)   | 2142 (2), 3323, 3396, 3461, 3466, 3642, 3752, 3755                       |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups               |
| 5393                                | $2^4 : S_3$               | 96    | 2494800 | 7526, 7562, 7520, 8331 (3), 9229 (4)   | 2145, 2146, 2147, 3450           |
| 5394                                | $2^4 : S_3$               | 96    | 4989600 | 7412, 7521, 7564, 8332 (3), 9229 (4)   | 2147, 2694                       |
| 5395                                | $D_8 \times A_4$          | 96    | 2494800 | 7520, 7523, 7565, 8333, 9231 (4)   | 2148, 2149, 2150 (2), 2151, 3450 |
| 5396                                | $2^4 : S_3$               | 96    | 2494800 | 7526, 7523, 7522, 8334 (3), 9230 (4)   | 2157, 2158, 2159, 3450           |
| 5397                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7506, 7696, 7699, 7380, 7553, 7556, 7558, 7545, 7610, 7634, 7625, 7539, 7533, 7499, 7702, 8250 (3) | 2163 (2), 2164, 2685, 2751, 3389 |
| 5398                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7576, 7577, 7704, 7374, 7559, 7555, 7550, 7527, 7569, 7512, 7613, 7539, 7532, 7535, 7641, 8264 (3) | 2165, 2558, 2559, 2723, 3389     |
| 5399                                | $2^4 : S_3$               | 96    | 4989600 | 7536, 7622, 7582, 7534, 7530, 7572, 7636, 8335 (3), 9179 (4)                                       | 2168, 2688, 2753                 |
| 5400                                | $2^4 : S_3$               | 96    | 2494800 | 7583, 7697, 7701, 7379, 7551, 7554, 7561, 7546, 7508, 7638, 7623, 7538, 7533, 7532, 7705, 8335 (3) | 2170, 2688, 2754, 3389           |
| 5401                                | $D_8 \times (2 \times 6)$ | 96    | 2494800 | 7395, 7575, 7640, 7373, 7552, 7557, 7560, 7525, 7612, 7570, 7510, 7538, 7535, 7499, 7703, 8263     | 2172, 2556, 2557, 2724, 3389     |
| 5402                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7555, 7691, 7547, 7548, 7700, 7372, 7560, 7545, 7707, 7694, 7551, 7680, 7686, 7541, 7684, 8325 (3) | 2173, 2821, 3389                 |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups                                     |
| 5403                                | $2^2 \times 4 : S_3$      | 96    | 2494800 | 7557, 7692, 7553,<br>7549, 7685, 7375,<br>7542, 7546, 7683,<br>7695, 7547, 7681,<br>7698, 7559, 7517,<br>8324 (3) | 2174, 2822, 3389                                       |
| 5404                                | $2^2 \times 4 : S_3$      | 96    | 2494800 | 7565, 7562, 7522,<br>8336 (3), 9111 (4)   | 2175, 2176, 2177,<br>3450                              |
| 5405                                | $D_8 \times 2 \times S_3$ | 96    | 1247400 | 7566, 7614 (2), 7425,<br>7567 (2), 7617, 7368<br>(2), 7677, 7511 (2),<br>7598, 7601, 7455,<br>8254 (3)            | 2183, 2536 (2), 2537,<br>2605 (2), 3388, 3477,<br>3516 |
| 5406                                | $D_8 \times (2 \times 6)$ | 96    | 1247400 | 7594, 7458, 7426,<br>7369 (2), 7574 (2),<br>7675, 7620, 7509 (2),<br>7566, 7596, 7568 (2),<br>8253                | 2184, 2538 (2), 2539,<br>2606 (2), 3388, 3483,<br>3518 |
| 5407                                | $D_8 \times 2 \times S_3$ | 96    | 2494800 | 7639, 7678, 7673,<br>7375, 7610, 7531,<br>7254, 7583, 7642,<br>7643, 7581, 7569,<br>7501, 7570, 7707,<br>8264 (3) | 2185, 2560, 2561,<br>2723, 3389                        |
| 5408                                | $D_8 \times 2 \times S_3$ | 96    | 1247400 | 7590 (2), 7715, 7712,<br>7713, 7587 (2), 7591<br>(2), 7571 (2), 7584,<br>7589, 7399, 7714,<br>8326 (3)            | 2186, 2684 (4), 3476,<br>3512, 3566                    |
| 5409                                | $D_8 \times 2 \times S_3$ | 96    | 1247400 | 7596, 7635 (2), 7611<br>(2), 7383 (2), 7513<br>(2), 7676, 7666,<br>7592, 7416, 7668,<br>7601, 8285 (3)            | 2188, 2618 (2), 2686<br>(2), 3388, 3516, 3571          |
| 5410                                | $2^4 : S_3$               | 96    | 1247400 | 7597, 7787, 7421,<br>7593, 7600, 7785,<br>7485, 8285 (3), 9325<br>(4)   | 2189, 2686 (2), 2707<br>(2), 3321, 3466, 3520          |
| 5411                                | $2^4 : S_3$               | 96    | 1247400 | 7595, 7787, 7780,<br>7593, 7599, 7422,<br>7486, 8129 (3), 9114<br>(4)   | 2190, 2687 (2), 2709<br>(2), 3321, 3467, 3521          |

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| Nr.                                 | Structure             | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                 |
| 5412                                | $2^4 : S_3$           | 96    | 1247400 | 7594, 7382 (2), 7573 (2), 7624 (2), 7516 (2), 7415, 7665, 7592, 7474, 7667, 7598, 8129 (3) | 2191, 2619 (2), 2687 (2), 3388, 3518, 3572         |
| 5413                                | $2^4 : 3 : 2$         | 96    | 2494800 | 7604, 8337, 9248 (4)   | 2192, 2689, 3469                                   |
| 5414                                | $2^4 : 3 : 2$         | 96    | 831600  | 7603, 8338, 9248 (4)   | 2192, 2690, 2692, 3470 (3)                         |
| 5415                                | $2 \times 12 : 2 : 2$ | 96    | 415800  | 7584 (3), 7716 (3), 7607, 8338   | 2194, 2691, 2692, 3468 (3), 3473 (3), 3476         |
| 5416                                | $2^4 : S_3$           | 96    | 2494800 | 7602, 8339 (3), 9378 (4), 9379 (4), 9130 (4)   | 2196, 2695, 3471                                   |
| 5417                                | $2^4 : S_3$           | 96    | 2494800 | 7604, 8332 (3), 9378 (4), 9130 (8)   | 2196, 2694, 3469                                   |
| 5418                                | $2^4 : S_3$           | 96    | 831600  | 7603, 8340 (3), 9378 (12)  | 2196, 2693, 2696, 3470 (3)                         |
| 5419                                | $D_8 \times A_4$      | 96    | 1247400 | 7606, 7647, 7649, 8341, 9380 (4)   | 2197, 2697, 3419, 3472, 3480                       |
| 5420                                | $2^4 : S_3$           | 96    | 415800  | 7715 (3), 7717 (3), 7607, 8340 (3)   | 2198, 2696, 2698, 3473 (3), 3476, 3481 (3)         |
| 5421                                | $2^4 : S_3$           | 96    | 1247400 | 7606, 7646, 7648, 8339 (3), 9353 (4)   | 2199, 2695, 3418, 3474, 3480                       |
| 5422                                | $2^4 : S_3$           | 96    | 2494800 | 7605, 7615, 7454, 8305 (3), 9381 (4)   | 2200, 2663, 2664, 2701 (2), 3417                   |
| 5423                                | $2^4 : S_3$           | 96    | 1247400 | 7606, 7616, 7650, 8342 (3), 9381 (4)   | 2200, 2700, 3472, 3474, 3478                       |
| 5424                                | $2^4 : S_3$           | 96    | 2494800 | 7602, 8342 (3), 9382 (4), 9131 (4), 9383 (4)   | 2201, 2700, 3471                                   |
| 5425                                | $2^4 : S_3$           | 96    | 2494800 | 7603, 8305 (3), 9382 (8), 9383 (4)   | 2201, 2664 (2), 2699, 2701, 3470                   |
| 5426                                | $2^4 : S_3$           | 96    | 831600  | 7604, 8343 (3), 9383 (12)  | 2201, 2702, 3469 (3)                               |
| 5427                                | $2^4 : S_3$           | 96    | 623700  | 7607, 7453 (2), 7718, 7617 (2), 7719, 8305 (3)   | 2202, 2663 (2), 2699 (2), 3473 (2), 3477, 3479 (2) |
| 5428                                | $2^4 : S_3$           | 96    | 415800  | 7273 (3), 7652 (3), 7606, 8344 (3), 9160 (4)   | 2203, 2704, 3451, 3478 (3), 3480 (3)               |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 5429                                | $2^4 : S_3$               | 96    | 415800  | 7443 (3), 7653 (3),<br>7720 (3), 7721 (3),<br>7607, 7414, 7294,<br>8257 (3)                            | 2204, 2509, 2662,<br>3475 (3), 3479 (3),<br>3482                            |
| 5430                                | $2^3 \times 6 : 2$        | 96    | 623700  | 7607, 7442 (2), 7722,<br>7566 (2), 7723, 8295  | 2205, 2661 (2), 2703<br>(2), 3406, 3407,<br>3468, 3475, 3477,<br>3481, 3483 |
| 5431                                | $2^4 \times S_3$          | 96    | 69300   | 7455 (6), 7724 (9),<br>7654 (6), 7713 (9),<br>7607, 8306 (3)   | 2206, 2665 (2), 2705<br>(2), 3476 (6), 3477<br>(9), 3482 (6)                |
| 5432                                | $D_8 \times A_4$          | 96    | 831600  | 7605, 7618, 7457,<br>8297, 9250 (4)  | 2207, 2667, 2668,<br>3417 (3)   |
| 5433                                | $D_8 \times A_4$          | 96    | 1247400 | 7606, 7619, 7656,<br>8345, 9250 (4)  | 2207, 2706, 3418,<br>3419, 3478   |
| 5434                                | $D_8 \times (2 \times 6)$ | 96    | 415800  | 7607, 7725 (3), 7456,<br>7726 (3), 7620, 7655<br>(3), 7458 (3), 8297                                   | 2208, 2666, 2668,<br>3479 (3), 3482, 3483<br>(3)                            |
| 5435                                | $2^2 \times 4 : S_3$      | 96    | 1247400 | 7649, 7273, 7648,<br>8346 (3), 9152 (4)  | 2210, 3453, 3480,<br>3484   |
| 5436                                | $2^4 : S_3$               | 96    | 1247400 | 7608 (2), 7652, 7644,<br>7269 (2), 7402, 8347<br>(3), 9384 (4)   | 2211, 2282, 3451,<br>3502, 3503   |
| 5437                                | $2^4 : S_3$               | 96    | 1247400 | 7609 (2), 7652, 7645,<br>7269 (2), 7401, 8348<br>(3), 9385 (4)   | 2212, 3451, 3501,<br>3504   |
| 5438                                | $2^4 : S_3$               | 96    | 2494800 | 7409, 7410, 7398,<br>7588, 7657, 7608,<br>7627, 8349 (3), 9386<br>(4)                                  | 2213, 2287, 3452  |
| 5439                                | $2^4 : S_3$               | 96    | 2494800 | 7408, 7411, 7400,<br>7586, 7657, 7609,<br>7627, 8350 (3), 9387<br>(4)                                  | 2214, 3452  |
| 5440                                | $2^4 : S_3$               | 96    | 1247400 | 7273, 7627 (2), 7407<br>(2), 7619, 7616, 8351<br>(3), 9162 (4)   | 2215, 3452, 3478,<br>3484   |
| 5441                                | $2^4 : S_3$               | 96    | 1247400 | 7443, 7384 (2), 7628<br>(2), 7507 (2), 7693<br>(2), 7676, 7295,<br>7620, 7672, 7415,<br>7617, 8258 (3) | 2216, 2510, 2608 (2),<br>3388, 3479, 3506                                   |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 5442                                | $2^4 : S_3$                      | 96    | 1247400 | 7406 (2), 7657 (2),<br>7646, 7647, 7273,<br>8352 (3), 9182 (4)  | 2217, 3452, 3480,<br>3500   |
| 5443                                | $2^4 : S_3$                      | 96    | 1247400 | 7410 (2), 7586 (2),<br>7647, 7401, 7616,<br>8353 (3), 9388 (4)  | 2220, 3452, 3472,<br>3504   |
| 5444                                | $2^4 : S_3$                      | 96    | 1247400 | 7411 (2), 7588 (2),<br>7646, 7402, 7616,<br>8354 (3), 9389 (4)  | 2221, 2289, 3452,<br>3474, 3503   |
| 5445                                | $2^2 \times 4 : S_3$             | 96    | 1247400 | 7656, 7273, 7650,<br>8355 (3), 9169 (4)   | 2226, 3453, 3478,<br>3500   |
| 5446                                | $2^2 \times 4 : S_3$             | 96    | 1247400 | 7650, 7401, 7649,<br>8356 (3), 9390 (4)   | 2228, 3453, 3472,<br>3501   |
| 5447                                | $2^4 \cdot S_3$                  | 96    | 1247400 | 7650, 7402, 7648,<br>8357 (3), 9391 (4)   | 2229, 2290, 3453,<br>3474, 3502   |
| 5448                                | $D_8 \times 2 \times S_3$        | 96    | 1247400 | 7481 (2), 7730, 7655,<br>7443, 7727 (2), 7728<br>(2), 7658 (2), 7299,<br>7419, 7654, 7729,<br>8259 (3)            | 2230, 2514, 3482,<br>3505, 3506   |
| 5449                                | $D_8 \times 2 \times S_3$        | 96    | 2494800 | 7528, 7679, 7671,<br>7381, 7634, 7531,<br>7253, 7576, 7674,<br>7698, 7706, 7623,<br>7502, 7612, 7694,<br>8335 (3) | 2231, 2708, 2753 (2),<br>2754, 3389   |
| 5450                                | $D_8 \times 2 \times S_3$        | 96    | 2494800 | 7575, 7681, 7633,<br>7503, 7684, 7256,<br>7639, 7630, 7379,<br>7543, 7621, 7702,<br>7670, 7641, 7679,<br>8323 (3) | 2233, 2710, 2756,<br>3389   |
| 5451                                | $D_8 \times 2 \times S_3$        | 96    | 2494800 | 7500, 7674, 7683,<br>7380, 7257, 7669,<br>7705, 7680, 7632,<br>7577, 7621, 7629,<br>7640, 7642, 7540,<br>8321 (3) | 2234, 2711, 2757 (2),<br>2758, 3389   |
| 5452                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 207900  | 7710 (3), 7768 (3),<br>7427, 8358, 9327 (4)   | 2235, 2715, 3324,<br>3486 (3), 3492 (3),<br>3496, 3498, 3511 (3),<br>3513 (3) |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 5453                                | $Q_8 : (2 \times 6)$ | 96    | 415800  | 7711 (3), 8359, 9327 (4)                           | 2235, 2716, 3485 (3), 3497, 3514 (3)                                 |
| 5454                                | $2^4 : 3 \times 2$   | 96    | 415800  | 7771, 8358, 9332 (4), 9124 (4), 9392 (12)          | 2236, 2715, 3488 (3), 3494, 3509 (3)                                 |
| 5455                                | $2^{1+4} : 3$        | 96    | 415800  | 8360, 9248 (8), 9124 (4), 9228 (8)                 | 2236, 2714, 3489 (3), 3493, 3508 (3)                                 |
| 5456                                | $2^{1+4} : 3$        | 96    | 2494800 | 8361, 9248 (4), 9392 (4), 9123 (4), 9203 (8)       | 2236, 3507   |
| 5457                                | $2^{1+4} : 3$        | 96    | 2494800 | 8362, 9228 (4), 9392 (4), 9203 (4), 9123 (8)       | 2236, 3312   |
| 5458                                | $Q_8 : A_4$          | 96    | 831600  | 8359, 9228 (4), 9332 (4), 9203 (12)                | 2236, 2716, 3487 (3)   |
| 5459                                | $2^{1+4} \times 3$   | 96    | 207900  | 7722 (3), 7731 (6), 7584 (6), 8360                 | 2237, 2714, 3468 (3), 3490 (3), 3491, 3495, 3499 (3), 3510 (3), 3512 |
| 5460                                | $2^4 : S_3$          | 96    | 1247400 | 7650, 7646, 7645, 8363 (3), 9393 (4)               | 2238, 3474, 3500, 3501   |
| 5461                                | $2^4 : S_3$          | 96    | 1247400 | 7650, 7647, 7644, 8364 (3), 9394 (4)               | 2239, 3472, 3500, 3502   |
| 5462                                | $2^4 : S_3$          | 96    | 1247400 | 7645, 7616, 7648, 8365 (3), 9220 (4)               | 2240, 3474, 3484, 3504   |
| 5463                                | $2^2 \times 4 : S_3$ | 96    | 1247400 | 7644, 7616, 7649, 8366 (3), 9221 (4)               | 2241, 3472, 3484, 3503   |
| 5464                                | $2^3 \cdot 2 : S_3$  | 96    | 1247400 | 7294, 7460, 7732, 7664, 7442, 7653, 7733, 8296 (3) | 2242, 2669, 3475, 3515, 3517   |
| 5465                                | $D_8 \times 2 : S_3$ | 96    | 1247400 | 7566, 7734, 7733, 7592, 7414, 7653, 7461, 8141 (3) | 2243, 2670, 3475, 3516, 3518   |
| 5466                                | $2^4 : S_3$          | 96    | 1247400 | 7648, 7619, 7644, 8367 (3), 9205 (4)               | 2244, 3418, 3484, 3502   |
| 5467                                | $D_8 \times A_4$     | 96    | 1247400 | 7649, 7619, 7645, 8368, 9219 (4)                   | 2245, 3419, 3484, 3501   |
| 5468                                | $2^2 \times 4 : S_3$ | 96    | 1247400 | 7656, 7646, 7644, 8369 (3), 9362 (4)               | 2246, 3418, 3500, 3503   |
| 5469                                | $D_8 \times A_4$     | 96    | 1247400 | 7656, 7647, 7645, 8370, 9395 (4)                   | 2247, 3419, 3500, 3504   |
| 5470                                | $2^2 \times 4 : S_3$ | 96    | 2494800 | 7651, 7615, 7457, 8311 (3), 9396 (4)               | 2248, 2672, 3417   |
| 5471                                | $2^2 \times 4 : S_3$ | 96    | 1247400 | 7652, 7616, 7656, 8371 (3), 9396 (4)               | 2248, 3478, 3503, 3504   |

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|-------------------------------------|---------------------------|-------|---------|--|---|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                      |
| 5472                                | $2^2 \times 4 : S_3$      | 96    | 1247400 | 7666, 7736, 7456,<br>7617, 7735, 7653,<br>7463, 8311 (3)   | 2249, 2672, 3479,<br>3515, 3516         |
| 5473                                | $2^4 : S_3$               | 96    | 2494800 | 7651, 7618, 7454,<br>8165 (3), 9397 (4)  | 2250, 2671, 3417                        |
| 5474                                | $2^4 : S_3$               | 96    | 1247400 | 7652, 7619, 7650,<br>8372 (3), 9397 (4)  | 2250, 3478, 3501,<br>3502               |
| 5475                                | $2^4 : S_3$               | 96    | 1247400 | 7665, 7462, 7453,<br>7620, 7737, 7653,<br>7738, 8165 (3)   | 2251, 2671, 3479,<br>3517, 3518         |
| 5476                                | $D_8 \times 2 : S_3$      | 96    | 1247400 | 7414, 7475, 7736,<br>7676, 7655, 7617,<br>7738, 8317 (3)   | 2254, 2682, 3479,<br>3506, 3516         |
| 5477                                | $2^3 \cdot 2 : S_3$       | 96    | 1247400 | 7442, 7740, 7739,<br>7677, 7654, 7617,<br>7472, 8318 (3)   | 2255, 2679, 3477,<br>3506, 3515         |
| 5478                                | $D_8 \times 2 : S_3$      | 96    | 1247400 | 7294, 7467, 7737,<br>7672, 7453, 7655,<br>7735, 8309 (3)   | 2256, 2676, 3479,<br>3505, 3517         |
| 5479                                | $D_8 \times 2 : S_3$      | 96    | 1247400 | 7566, 7741, 7466,<br>7598, 7453, 7654,<br>7740, 8167 (3)   | 2257, 2675, 3477,<br>3505, 3518         |
| 5480                                | $2^4 : S_3$               | 96    | 1247400 | 7652, 7647, 7648,<br>8373 (3), 9398 (4)  | 2258, 3480, 3502,<br>3504               |
| 5481                                | $2^2 \times 4 : S_3$      | 96    | 1247400 | 7652, 7646, 7649,<br>8374 (3), 9399 (4)  | 2259, 3480, 3501,<br>3503               |
| 5482                                | $D_8 \times 2 \times S_3$ | 96    | 1247400 | 7455, 7743 (2), 7658<br>(2), 7483 (2), 7742<br>(2), 7744, 7464,<br>7653, 7668, 7745,<br>7655, 8312 (3) | 2260, 2673, 3482,<br>3516, 3517         |
| 5483                                | $D_8 \times 2 \times S_3$ | 96    | 1247400 | 7458, 7747 (2), 7658<br>(2), 7484 (2), 7746<br>(2), 7748, 7749,<br>7653, 7667, 7465,<br>7654, 8279 (3) | 2261, 2674, 3482,<br>3515, 3518         |
| 5484                                | $2^4 : S_3$               | 96    | 415800  | 7474 (3), 7749 (3),<br>7729 (3), 7745 (3),<br>7620, 7654, 7414,<br>8143 (3)                            | 2264, 2681, 3482,<br>3506 (3), 3518 (3) |
| 5485                                | $2^3 \times 6 : 2$        | 96    | 1247400 | 7620, 7473, 7750,<br>7675, 7655, 7442,<br>7751, 8301   | 2265, 2680, 3483,<br>3506, 3517         |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups   | Minimal Overgroups                                   |
| 5486                                | $2^2 \times 4 : S_3$             | 96    | 415800  | 7468 (3), 7730 (3),<br>7748 (3), 7744 (3),<br>7294, 7654, 7456,<br>8298 (3) | 2266, 2677, 3482,<br>3505 (3), 3515 (3)              |
| 5487                                | $2^2 \times 12 : 2$              | 96    | 1247400 | 7566, 7752, 7469,<br>7596, 7655, 7456,<br>7750, 8300                        | 2267, 2678, 3483,<br>3505, 3516                      |
| 5488                                | $Q_8 \times 2 : S_3$             | 96    | 1247400 | 7360 (2), 7711, 8375<br>(3), 9400 (4)                                       | 2268, 3485, 3519,<br>3528                            |
| 5489                                | $2^4 : S_3$                      | 96    | 623700  | 7710, 7792 (2), 7420,<br>7593 (2), 7801, 8376<br>(3), 9400 (4)              | 2268, 3319, 3486,<br>3520, 3521, 3522,<br>3526, 3529 |
| 5490                                | $2^4 : S_3$                      | 96    | 1247400 | 7785, 7599, 7593,<br>7807, 7659, 7802,<br>7424, 8377 (3), 9401<br>(4)       | 2269, 3323, 3466,<br>3521                            |
| 5491                                | $Q_8 \times 2 : S_3$             | 96    | 2494800 | 7362, 7360, 7661,<br>8091 (3), 9115 (4)                                     | 2270, 3519   |
| 5492                                | $2^4 : S_3$                      | 96    | 1247400 | 7422, 7660, 7593,<br>7803, 7600, 7807,<br>7795, 8130 (3), 9115<br>(4)       | 2270, 3323, 3467,<br>3520                            |
| 5493                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 623700  | 7441, 7659, 7595,<br>7476, 7710, 7809,<br>7777, 8378, 9402 (4)              | 2271, 3328, 3461,<br>3496, 3521, 3524,<br>3530, 3534 |
| 5494                                | $Q_8 \times 2 : S_3$             | 96    | 1247400 | 7711, 7361, 7661,<br>8379 (3), 9403 (4)                                     | 2272, 3497, 3519,<br>3532                            |
| 5495                                | $2^4 : S_3$                      | 96    | 623700  | 7431, 7660, 7597,<br>7804, 7710, 7810,<br>7778, 8380 (3), 9403<br>(4)       | 2272, 3328, 3465,<br>3498, 3520, 3523,<br>3531, 3533 |
| 5496                                | $2^4 : S_3$                      | 96    | 623700  | 7485, 7709, 7597,<br>7808, 7659, 7802,<br>7450, 8381 (3), 9404<br>(4)       | 2273, 3328, 3466 (2),<br>3523 (2)                    |
| 5497                                | $2^4 : S_3$                      | 96    | 623700  | 7486, 7660, 7595,<br>7803, 7709, 7480,<br>7779, 8115 (3), 9405<br>(4)       | 2274, 3328, 3467 (2),<br>3524 (2)                    |
| 5498                                | $A_4 \times 2 \cdot 2 \times 2$  | 96    | 623700  | 7710, 7439, 7371,<br>8382, 9406 (4)   | 2275, 3331, 3492,<br>3522, 3531, 3534,<br>3537, 3538 |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 5499                                | $2^4 \cdot S_3$                  | 96    | 623700  | 7710, 7433, 7389, 8383 (3), 9407 (4)   | 2276, 3331, 3390, 3486, 3530, 3533, 3536, 3539 |
| 5500                                | $Q_8 \times 2 \cdot S_3$         | 96    | 1247400 | 7711, 8384 (3), 9407 (4)   | 2276, 3485, 3532, 3535                         |
| 5501                                | $Q_8 \times 2 : S_3$             | 96    | 1247400 | 7711, 7661 (2), 8385 (3), 9408 (4)   | 2277, 3497, 3528, 3535                         |
| 5502                                | $2^4 : S_3$                      | 96    | 623700  | 7710, 7790 (2), 7660 (2), 7770, 7436, 8386 (3), 9408 (4)                                   | 2277, 3334, 3498, 3524, 3525, 3529, 3536, 3537 |
| 5503                                | $2^4 : S_3$                      | 96    | 1247400 | 7709, 7791, 7659, 7788, 7799, 7451, 7660, 8387 (3), 9409 (4)                               | 2278, 3334, 3523, 3524                         |
| 5504                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 623700  | 7659 (2), 7447, 7710, 7789 (2), 7800, 8388, 9410 (4)                                       | 2279, 3334, 3496, 3523, 3526, 3527, 3538, 3539 |
| 5505                                | $2^2 \times 4 : S_3$             | 96    | 1247400 | 7667, 7687 (2), 7426, 7664, 7367 (2), 7295, 7677, 7690 (2), 7518 (2), 7468, 7666, 8281 (3) | 2280, 2621 (2), 3388, 3515, 3569               |
| 5506                                | $D_8 \times 2 \times S_3$        | 96    | 1247400 | 7668, 7672, 7688 (2), 7425, 7689 (2), 7675, 7682 (2), 7296, 7366 (2), 7664, 7665, 8283 (3) | 2281, 2620 (2), 3388, 3517, 3570               |
| 5507                                | $2^4 : S_3$                      | 96    | 623700  | 7710, 7786 (2), 7798, 7709 (2), 7444, 8389 (3), 9384 (4)                                   | 2282, 3324, 3390, 3522, 3523, 3524, 3547, 3548 |
| 5508                                | $D_8 \times 2 \cdot S_3$         | 96    | 623700  | 7734 (2), 7722, 8390 (3)   | 2283, 3406, 3491, 3549, 3559, 3560, 3561, 3562 |
| 5509                                | $D_8 \times 2 \cdot S_3$         | 96    | 623700  | 7753 (2), 7722, 8391 (3)   | 2284, 3406, 3490, 3550, 3557, 3558, 3563, 3564 |
| 5510                                | $2 \times 12 : 2 : 2$            | 96    | 623700  | 7752 (2), 7722, 8392   | 2285, 3407, 3495, 3552, 3554, 3555, 3558, 3559 |
| 5511                                | $24 : 2 : 2$                     | 96    | 623700  | 7754 (2), 7722, 8393   | 2286, 3407, 3499, 3551, 3553, 3556, 3557, 3560 |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 5512                                | $2^4 : S_3$                      | 96    | 1247400 | 7787, 7599, 7600, 7807, 7709, 7808, 7480, 8189 (3), 9386 (4)                           | 2287, 3326, 3466, 3467                         |
| 5513                                | $Q_8 : (2 \times 6)$             | 96    | 1247400 | 7711, 7362 (2), 8394, 9329 (4)   | 2288, 3514, 3519, 3535                         |
| 5514                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 623700  | 7809 (2), 7600 (2), 7710, 7806, 7429, 8395, 9329 (4)                                   | 2288, 3326, 3461, 3513, 3520, 3536, 3538, 3547 |
| 5515                                | $2^4 : S_3$                      | 96    | 623700  | 7810 (2), 7599 (2), 7710, 7478, 7769, 8396 (3), 9389 (4)                               | 2289, 3326, 3465, 3511, 3521, 3537, 3539, 3548 |
| 5516                                | $2^4 \cdot S_3$                  | 96    | 623700  | 7440, 7710, 7376, 8397 (3), 9391 (4)   | 2290, 3333, 3511, 3525, 3526, 3530, 3531, 3547 |
| 5517                                | $A_4 \times 2 \cdot 2 \times 2$  | 96    | 623700  | 7435, 7710, 7390, 8398, 9331 (4)   | 2291, 3333, 3513, 3527, 3529, 3533, 3534, 3548 |
| 5518                                | $Q_8 : 12$                       | 96    | 1247400 | 7711, 8399, 9331 (4)   | 2291, 3514, 3528, 3532                         |
| 5519                                | $D_8 \times 6 \cdot 2$           | 96    | 1247400 | 7584, 7716, 7723, 8400   | 2292, 3468, 3566, 3568                         |
| 5520                                | $2 \times 12 : 2 : 2$            | 96    | 623700  | 7716 (2), 7722, 8401   | 2293, 3468, 3549, 3550, 3551, 3552, 3565, 3567 |
| 5521                                | $D_8 \times 2 \cdot S_3$         | 96    | 1247400 | 7717, 7584, 7719, 8402 (3)   | 2294, 3473, 3510, 3566                         |
| 5522                                | $2 \times 4 : 2 : S_3$           | 96    | 1247400 | 7717, 7716, 7718, 8403 (3)   | 2295, 3473, 3567, 3568                         |
| 5523                                | $2 \times 4 : 2 : S_3$           | 96    | 1247400 | 7715, 7716, 7719, 8404 (3)   | 2296, 3473, 3565, 3566                         |
| 5524                                | $D_8 \times 2 : S_3$             | 96    | 1247400 | 7718, 7757 (2), 7589 (2), 7755 (2), 7756 (2), 7587 (2), 7715, 7758 (2), 7584, 8405 (3) | 2297, 3473, 3512, 3568                         |
| 5525                                | $2 \times 4 : 2 : S_3$           | 96    | 1247400 | 7297, 7720, 7733, 7664, 7461, 7721, 7723, 8406 (3)                                     | 2298, 3475, 3569, 3570                         |
| 5526                                | $D_8 \times 2 : S_3$             | 96    | 623700  | 7720 (2), 7460 (2), 7291, 7722, 7734, 8245 (3)   | 2299, 3475, 3491, 3550, 3553, 3555, 3573, 3574 |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 5527                                | $D_8 \times 2 : S_3$        | 96    | 623700  | 7592 (2), 7722, 7732, 7417, 7721 (2), 8407 (3)                         | 2300, 3475, 3490, 3549, 3554, 3556, 3571, 3572 |
| 5528                                | $D_8 \times 2 : S_3$        | 96    | 1247400 | 7717, 7584, 7589 (2), 7724, 7759 (2), 8408 (3)                         | 2301, 3476, 3510, 3568                         |
| 5529                                | $2 \times 4 : 2 \times S_3$ | 96    | 1247400 | 7717, 7716, 7712 (2), 7713, 7759 (2), 8409 (3)                         | 2302, 3476, 3566, 3567                         |
| 5530                                | $2 \times 4 : 2 : S_3$      | 96    | 1247400 | 7715, 7716, 7714 (2), 7724, 7759 (2), 8410 (3)                         | 2303, 3476, 3565, 3568                         |
| 5531                                | $2 \times 4 : 2 \times S_3$ | 96    | 623700  | 7723, 7740 (2), 7713, 7425 (2), 7719, 8411 (3)                         | 2304, 3477, 3566 (2), 3570 (2)                 |
| 5532                                | $D_8 \times 2 \times S_3$   | 96    | 623700  | 7722, 7755 (4), 7739, 7741, 7590 (4), 7470, 7601, 7718, 7713, 8412 (3) | 2305, 3477, 3512, 3557, 3559, 3567, 3571, 3574 |
| 5533                                | $2 \times 4 : 2 : S_3$      | 96    | 623700  | 7723, 7466 (2), 7718, 7677 (2), 7724, 8413 (3)                         | 2306, 3477, 3568 (2), 3569 (2)                 |
| 5534                                | $D_8 \times 2 : S_3$        | 96    | 623700  | 7722, 7598 (2), 7472 (2), 7719, 7724, 8414 (3)                         | 2307, 3477, 3510, 3558, 3560, 3565, 3572, 3573 |
| 5535                                | $D_8 \times 2 : S_3$        | 96    | 1247400 | 7665, 7726, 7475, 7415, 7735, 7721, 7719, 8415 (3)                     | 2308, 3479, 3570, 3572                         |
| 5536                                | $D_8 \times 2 : S_3$        | 96    | 1247400 | 7720, 7467, 7462, 7295, 7718, 7726, 7736, 8416 (3)                     | 2309, 3479, 3569, 3574                         |
| 5537                                | $D_8 \times 2 : S_3$        | 96    | 1247400 | 7666, 7718, 7418, 7676, 7737, 7721, 7725, 8417 (3)                     | 2310, 3479, 3569, 3571                         |
| 5538                                | $D_8 \times 2 : S_3$        | 96    | 1247400 | 7298, 7720, 7738, 7672, 7463, 7725, 7719, 8418 (3)                     | 2311, 3479, 3570, 3573                         |
| 5539                                | $D_8 \times 2 \cdot S_3$    | 96    | 623700  | 7717 (2), 7722, 8419 (3)   | 2312, 3481, 3510, 3553, 3554, 3562, 3564, 3567 |
| 5540                                | $2^3 \cdot 2 : S_3$         | 96    | 1247400 | 7715, 7717, 7723, 8420 (3)   | 2313, 3481, 3566, 3568                         |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 5541                                | $D_8 \times 2 : S_3$       | 96    | 623700  | 7722, 7757 (4), 7760 (2), 7741 (2), 7591 (4), 7715 (2), 8421 (3)                           | 2314, 3481, 3512, 3555, 3556, 3561, 3563, 3565 |
| 5542                                | $D_8 \times 2 \times S_3$  | 96    | 1247400 | 7468, 7728 (2), 7742 (2), 7487 (2), 7746 (2), 7725, 7720, 7745, 7299, 7465, 7724, 8422 (3) | 2315, 3482, 3569, 3573                         |
| 5543                                | $D_8 \times 2 \times S_3$  | 96    | 1247400 | 7296, 7743 (2), 7728 (2), 7363 (2), 7747 (2), 7749, 7464, 7730, 7713, 7726, 7720, 8423 (3) | 2316, 3482, 3570, 3574                         |
| 5544                                | $D_8 \times 2 \times S_3$  | 96    | 1247400 | 7474, 7747 (2), 7742 (2), 7488 (2), 7727 (2), 7721, 7726, 7744, 7667, 7419, 7724, 8424 (3) | 2317, 3482, 3569, 3572                         |
| 5545                                | $D_8 \times 2 \times S_3$  | 96    | 1247400 | 7416, 7743 (2), 7727 (2), 7489 (2), 7746 (2), 7725, 7713, 7729, 7668, 7748, 7721, 8425 (3) | 2318, 3482, 3570, 3571                         |
| 5546                                | $D_8 \times 6 : 2$         | 96    | 623700  | 7596 (2), 7722, 7471, 7751, 7725 (2), 8426   | 2319, 3483, 3499, 3552, 3562, 3563, 3571, 3573 |
| 5547                                | $2 \times 12 : 2 : 2$      | 96    | 623700  | 7726 (2), 7473 (2), 7752, 7594, 7722, 8427   | 2320, 3483, 3495, 3551, 3561, 3564, 3572, 3574 |
| 5548                                | $2^2 \times 6 \cdot 2 : 2$ | 96    | 1247400 | 7675, 7726, 7469, 7426, 7750, 7725, 7723, 8428   | 2321, 3483, 3569, 3570                         |
| 5549                                | $D_8 : 2 \cdot S_3$        | 96    | 1247400 | 7753, 7731, 7417, 8429 (3)   | 2322, 3490, 3576, 3577                         |
| 5550                                | $D_8 : 2 : S_3$            | 96    | 1247400 | 7731, 7753, 7267 (2), 7732, 7385 (2), 8430 (3)   | 2323, 3490, 3575, 3578                         |
| 5551                                | $Q_8 : 12$                 | 96    | 1247400 | 7754, 7731, 7471, 8431   | 2324, 3499, 3576, 3578                         |
| 5552                                | $D_8 : (2 \times 6)$       | 96    | 1247400 | 7731, 7754, 7268 (2), 7751, 7387 (2), 8432   | 2325, 3499, 3575, 3577                         |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups             |
| 5553                                | $2 \times 4 : 2 : S_3$     | 96    | 1247400 | 7419, 7475, 7752, 7592, 7744, 7598, 7735, 8433 (3)   | 2326, 3505, 3516, 3572         |
| 5554                                | $2 \times 4 : 2 : S_3$     | 96    | 623700  | 7730 (2), 7467 (2), 7741, 7291, 7752, 8248 (3)   | 2327, 3505 (2), 3555 (2), 3574 |
| 5555                                | $2^3 \cdot 2 : S_3$        | 96    | 1247400 | 7729, 7475, 7730, 7297, 7750, 7672, 7740, 8434 (3)   | 2328, 3505, 3506, 3570         |
| 5556                                | $2^3 \cdot 2 : S_3$        | 96    | 1247400 | 7299, 7467, 7466, 7664, 7737, 7750, 7744, 8435 (3)   | 2329, 3505, 3517, 3569         |
| 5557                                | $D_8 \times 2 : S_3$       | 96    | 1247400 | 7729, 7418, 7741, 7592, 7737, 7596, 7748, 8144 (3)   | 2330, 3505, 3518, 3571         |
| 5558                                | $2 \times 4 \cdot 2 : S_3$ | 96    | 1247400 | 7730, 7298, 7740, 7664, 7735, 7469, 7748, 8299 (3)   | 2332, 3505, 3515, 3570         |
| 5559                                | $2 \times 4 : 2 : S_3$     | 96    | 1247400 | 7460, 7730, 7749, 7295, 7739, 7473, 7736, 8302 (3)   | 2339, 3506, 3515, 3574         |
| 5560                                | $2 \times 4 : 2 : S_3$     | 96    | 1247400 | 7461, 7419, 7736, 7676, 7750, 7677, 7745, 8436 (3)   | 2340, 3506, 3516, 3569         |
| 5561                                | $D_8 \times 2 : S_3$       | 96    | 1247400 | 7461, 7729, 7749, 7415, 7740, 7675, 7738, 8146 (3)   | 2341, 3506, 3518, 3570         |
| 5562                                | $D_8 \times 2 : S_3$       | 96    | 623700  | 7417, 7729 (2), 7739, 7676 (2), 7751, 8437 (3)   | 2342, 3506 (2), 3571, 3577 (2) |
| 5563                                | $D_8 \times 2 : S_3$       | 96    | 1247400 | 7460, 7299, 7745, 7672, 7472, 7751, 7738, 8438 (3)   | 2343, 3506, 3517, 3573         |
| 5564                                | $D_8 : 2 : S_3$            | 96    | 1247400 | 7755 (2), 7591 (2), 7714 (2), 7761 (2), 7760, 7739, 7756 (2), 7731, 7587 (2), 8439 (3)     | 2344, 3512, 3577, 3578         |
| 5565                                | $D_8 : 2 \times S_3$       | 96    | 1247400 | 7590 (2), 7760, 7386, 7470, 7756 (2), 7757 (2), 7712 (2), 7731, 7758, 7571, 7761, 8440 (3) | 2345, 3512, 3575, 3576         |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups             |
| 5566                                | $2 \times 4 : 2 : S_3$      | 96    | 1247400 | 7677, 7736, 7469, 7666, 7744, 7465, 7733, 8441 (3)                 | 2346, 3515, 3516, 3569         |
| 5567                                | $2 \times 4 : 2 : S_3$      | 96    | 1247400 | 7667, 7473, 7732, 7665, 7472, 7744, 7735, 8442 (3)                 | 2347, 3515, 3517, 3572         |
| 5568                                | $4^2 : S_3$                 | 96    | 623700  | 7666 (2), 7739, 7471, 7732, 7748 (2), 8443 (3)                     | 2348, 3515 (2), 3571, 3578 (2) |
| 5569                                | $2^2 \times 4 : S_3$        | 96    | 1247400 | 7426, 7749, 7733, 7665, 7463, 7748, 7740, 8210 (3)                 | 2349, 3515, 3518, 3570         |
| 5570                                | $2 \times 4 : 2 \times S_3$ | 96    | 623700  | 7464 (2), 7734, 7601, 7736 (2), 7752, 8444 (3)                     | 2350, 3516 (2), 3559 (2), 3574 |
| 5571                                | $2^3 \cdot 2 \times S_3$    | 96    | 1247400 | 7668, 7464, 7733, 7425, 7738, 7750, 7735, 8445 (3)                 | 2351, 3516, 3517, 3570         |
| 5572                                | $D_8 \times 2 : S_3$        | 96    | 1247400 | 7745, 7465, 7734, 7598, 7738, 7596, 7463, 8211 (3)                 | 2352, 3516, 3518, 3573         |
| 5573                                | $D_8 \times 2 \times S_3$   | 96    | 623700  | 7391 (4), 7762 (4), 7751, 7470, 7737 (2), 7668 (2), 7732, 8446 (3) | 2353, 3517 (2), 3571, 3575 (2) |
| 5574                                | $D_8 \times 2 : S_3$        | 96    | 1247400 | 7675, 7462, 7466, 7667, 7737, 7745, 7733, 8209 (3)                 | 2354, 3517, 3518, 3569         |
| 5575                                | $2^4 : S_3$                 | 96    | 623700  | 7749 (2), 7462 (2), 7741, 7594, 7734, 8109 (3)                     | 2355, 3518 (2), 3561 (2), 3574 |
| 5576                                | $2 \times 4 : 2 : S_3$      | 96    | 1247400 | 7741, 7752, 7734, 8447 (3)   | 2356, 3555, 3559, 3561         |
| 5577                                | $8 : 2 : S_3$               | 96    | 1247400 | 7760, 7754, 7417, 8448 (3)   | 2357, 3556, 3576, 3577         |
| 5578                                | $8 : 2 : S_3$               | 96    | 1247400 | 7754, 7760, 7663 (2), 7732, 7393 (2), 8449 (3)                     | 2358, 3556, 3575, 3578         |
| 5579                                | $8 : 2 \times S_3$          | 96    | 1247400 | 7754, 7753, 7392 (2), 7470, 7763 (2), 8450 (3)                     | 2359, 3557, 3575, 3576         |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5580                                | $8 : 2 : S_3$        | 96    | 1247400 | 7753, 7754, 7739, 8451 (3)                               | 2360, 3557, 3577, 3578   |
| 5581                                | $D_8 \times 2 : S_3$ | 96    | 1247400 | 7394 (2), 7662 (2), 7753, 7751, 7760, 8452 (3)           | 2361, 3563, 3575, 3577   |
| 5582                                | $4^2 : S_3$          | 96    | 1247400 | 7753, 7760, 7471, 8097 (3)                               | 2362, 3563, 3576, 3578   |
| 5583                                | $D_{16} : S_3$       | 96    | 2494800 | 7268, 7394, 7758, 7762, 7393, 7763, 7267, 8453 (3)       | 2363, 3575   |
| 5584                                | $D_8 \cdot 2 : S_3$  | 96    | 2494800 | 7387, 7662, 7761, 7762, 7663, 7763, 7385, 8090 (3)       | 2364, 3575   |
| 5585                                | $2^4 : S_3$          | 96    | 623700  | 7765, 7403 (2), 7764, 7774, 7784 (2), 8250 (3), 9411 (4) | 2515 (4), 2685 (4), 3361 (2), 3697 (2), 3706                             |
| 5586                                | $2^4 : S_3$          | 96    | 103950  | 7772, 8454 (3), 9255 (12)                                | 2517, 3579 (3), 3582 (2), 3585 (6), 3631 (6), 3632 (3), 3634, 3676 (2)   |
| 5587                                | $2^4 : 3 : 2$        | 96    | 311850  | 7772, 8454, 9256 (4)                                     | 2517, 3579, 3583 (2), 3584 (2), 3631 (2), 3633, 3635, 3677 (2)           |
| 5588                                | $2^4 : S_3$          | 96    | 415800  | 7773, 8455 (3), 9257 (12)                                | 2518, 3454, 3580 (3), 3630 (3)   |
| 5589                                | $2^4 : 3 : 2$        | 96    | 1247400 | 7773, 8455, 9258 (4)                                     | 2518, 3446, 3580, 3630   |
| 5590                                | $2^4 : S_3$          | 96    | 207900  | 7772, 8340 (3), 9263 (12)                                | 2519, 2696 (2), 3581 (3), 3582, 3584 (3), 3608 (3), 3610, 3678, 3692 (3) |
| 5591                                | $2^4 : 3 : 2$        | 96    | 623700  | 7772, 8340, 9264 (4)                                     | 2519, 2693 (4), 2698 (2), 3581, 3583, 3585, 3606, 3611, 3679, 3692       |
| 5592                                | $2^4 : S_3$          | 96    | 623700  | 7438, 7784 (2), 7445, 7775 (2), 7767, 8280 (3), 9412 (4) | 2594 (4), 3361, 3371, 3399, 3412, 3594, 3705, 3734                       |
| 5593                                | $2^4 : S_3$          | 96    | 311850  | 7767, 7774 (2), 7432, 7781 (2), 7766, 8274 (3), 9315 (4) | 2595 (8), 3361 (2), 3397, 3400 (2), 3648, 3741, 3766 (2), 3810 (2)       |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5594                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 623700  | 7776 (2), 7765 (2), 7438, 7766, 7446, 8275, 9413 (4)     | 2596 (4), 3361, 3378, 3401, 3414, 3595, 3652, 3740                 |
| 5595                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 623700  | 7777 (2), 7447, 7441, 7789 (2), 7768, 8273, 9414 (4)     | 2600 (4), 3360, 3403, 3409, 3496, 3597, 3708, 3745                 |
| 5596                                | $2^4 : S_3$                      | 96    | 623700  | 7778 (2), 7768, 7431, 7790 (2), 7770, 8276 (3), 9415 (4) | 2602 (4), 3360, 3404, 3410, 3498, 3599, 3707, 3744                 |
| 5597                                | $2^4 : S_3$                      | 96    | 623700  | 7779 (2), 7791 (2), 7441, 7770, 7444, 8186 (3), 9416 (4) | 2603 (4), 3360, 3405, 3408, 3524, 3601, 3650, 3743                 |
| 5598                                | $2^4 : S_3$                      | 96    | 623700  | 7780 (2), 7785 (2), 7420, 7769, 7441, 8283 (3), 9417 (4) | 2604 (4), 3321, 3405, 3409, 3521, 3603, 3671, 3728                 |
| 5599                                | $D_8 \times A_4$                 | 96    | 311850  | 7783 (2), 7813, 8286, 9418 (4)                           | 2637 (4), 3316 (2), 3317 (2), 3591, 3604 (2), 3607 (2), 3793, 3830 |
| 5600                                | $2^4 : S_3$                      | 96    | 103950  | 7772, 8295 (3), 9245 (8), 9259 (4)                       | 2639, 2703 (4), 3416, 3579 (3), 3581 (6), 3592 (6), 3636 (3)       |
| 5601                                | $2^4 : S_3$                      | 96    | 1247400 | 7771, 8296 (3), 9119 (4), 9137 (4), 9419 (4)             | 2640, 3488, 3593, 3602   |
| 5602                                | $2^4 : S_3$                      | 96    | 623700  | 7773, 8303 (3), 9420 (8), 9260 (4)                       | 2649, 3391, 3580 (2), 3600 (2)                                     |
| 5603                                | $2^4 : S_3$                      | 96    | 1247400 | 7771, 8182 (3), 9126 (4), 9421 (4), 9379 (4)             | 2651, 3509, 3593, 3669   |
| 5604                                | $2^4 : S_3$                      | 96    | 623700  | 7772, 8305 (3), 9422 (8), 9262 (4)                       | 2652, 2699 (2), 2701 (4), 3584, 3585, 3592, 3606, 3608, 3646, 3658 |
| 5605                                | $2^4 : 3 \times 2$               | 96    | 415800  | 7771, 8307, 9423 (4), 9289 (12), 9127 (4)                | 2653, 3494, 3593 (3), 3654 (3)                                     |
| 5606                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 207900  | 7796 (3), 7438 (3), 7448, 8307, 9424 (4)                 | 2653, 3322, 3365, 3588 (3), 3594 (3), 3595 (3), 3617, 3656 (3)     |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 5607                                | $2^4 : 3 \times 2$               | 96    | 207900  | 7772, 8306, 9425 (8),<br>9261 (12)                                    | 2654, 2705 (2), 3582,<br>3583 (3), 3592 (3),<br>3610, 3611 (3), 3651,<br>3658 (3)    |
| 5608                                | $D_8 \times A_4$                 | 96    | 623700  | 7427, 7519, 7439,<br>8252, 9240 (4)                                   | 2655, 3346, 3492,<br>3596, 3598, 3639,<br>3642, 3643                                 |
| 5609                                | $D_8 \times A_4$                 | 96    | 623700  | 7449, 7439, 7768,<br>8290, 9426 (4)                                   | 2656, 3362, 3492,<br>3597, 3599, 3653,<br>3672, 3673                                 |
| 5610                                | $2^4 : S_3$                      | 96    | 1247400 | 7771, 8309 (3), 9129<br>(4), 9288 (4), 9382<br>(4)                    | 2657, 3509, 3602,<br>3654  |
| 5611                                | $2^4 : S_3$                      | 96    | 623700  | 7769, 7427, 7440,<br>8309 (3), 9381 (4)                               | 2657, 3349, 3511,<br>3589, 3598, 3603,<br>3645, 3655                                 |
| 5612                                | $2^4 : S_3$                      | 96    | 1247400 | 7773, 8308 (3), 9121<br>(4), 9427 (4), 9428<br>(4)                    | 2658, 3540, 3600,<br>3664  |
| 5613                                | $2^4 : S_3$                      | 96    | 623700  | 7770, 7449, 7440,<br>8308 (3), 9429 (4)                               | 2658, 3367, 3525,<br>3589, 3599, 3601,<br>3665, 3674                                 |
| 5614                                | $2^4 : 3 \times 2$               | 96    | 415800  | 7771, 8270, 9254 (4),<br>9128 (4), 9430 (12)                          | 2659, 3494, 3602 (3),<br>3669 (3)  |
| 5615                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 207900  | 7441 (3), 7800 (3),<br>7427, 8270, 9241 (4)                           | 2659, 3350, 3496,<br>3590 (3), 3596 (3),<br>3603 (3), 3650, 3670<br>(3)              |
| 5616                                | $2^4 : 3 \times 2$               | 96    | 415800  | 7773, 8310, 9431<br>(12), 9122 (4), 9432<br>(4)                       | 2660, 3460, 3600 (3),<br>3664 (3)  |
| 5617                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 207900  | 7441 (3), 7806 (3),<br>7449, 8310, 9433 (4)                           | 2660, 3364, 3461,<br>3590 (3), 3597 (3),<br>3601 (3), 3666 (3),<br>3671              |
| 5618                                | $2^4 : S_3$                      | 96    | 1247400 | 7776, 7479, 7452,<br>7764, 7781, 7775,<br>7784, 8335 (3), 9434<br>(4) | 2688 (2), 2708 (2),<br>3361, 3378, 3705  |
| 5619                                | $2^4 : S_3$                      | 96    | 207900  | 7782, 8337 (3), 9133<br>(12)  | 2689 (4), 3448 (3),<br>3605 (6)  |
| 5620                                | $2^4 : S_3$                      | 96    | 34650   | 7772, 8338 (3), 9249<br>(12)  | 2690 (8), 2691 (4),<br>2732, 3416 (3), 3606<br>(18), 3610 (6), 3633<br>(9), 3634 (3) |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5621                                | $2^4 : 3 : 2$                    | 96    | 103950  | 7772, 8338, 9246 (4)   | 2692 (4), 2732, 3416, 3608 (6), 3611 (6), 3632 (3), 3635 (3)   |
| 5622                                | $2^4 : S_3$                      | 96    | 1247400 | 7782, 8332 (3), 9428 (4), 9112 (8)                           | 2694 (2), 3541, 3605, 3762   |
| 5623                                | $2^4 : S_3$                      | 96    | 623700  | 7783, 7814, 7815, 8339 (3), 9435 (4)                         | 2695 (2), 3591, 3607, 3609, 3613, 3768, 3828, 3829   |
| 5624                                | $2^4 : S_3$                      | 96    | 103950  | 7814 (6), 7783, 8341 (3), 9436 (4)                           | 2697 (4), 3420, 3607 (6), 3613 (6), 3767 (3), 3768 (3)   |
| 5625                                | $2^4 : S_3$                      | 96    | 623700  | 7783, 7811, 7815, 8342 (3), 9437 (4)                         | 2700 (2), 3607, 3609, 3612, 3773, 3827, 3828, 3830   |
| 5626                                | $2^4 : 3 : 2$                    | 96    | 1247400 | 7782, 8343, 9431 (4)   | 2702 (2), 3459, 3605, 3762   |
| 5627                                | $D_8 \times A_4$                 | 96    | 623700  | 7783, 7794, 7813, 8344, 9438 (4)                             | 2704 (2), 3604, 3612, 3613, 3777, 3793, 3827, 3829   |
| 5628                                | $2^4 : S_3$                      | 96    | 103950  | 7774 (3), 7814 (3), 7783, 8345 (3), 9439 (4)                 | 2706 (4), 3420, 3591 (6), 3612 (6), 3765 (3), 3766 (3)   |
| 5629                                | $2^4 : S_3$                      | 96    | 1247400 | 7450, 7789, 7485, 7786, 7791, 7788, 7778, 8323 (3), 9440 (4) | 2710 (2), 2712 (2), 3360, 3523, 3707   |
| 5630                                | $2^4 : S_3$                      | 96    | 1247400 | 7788, 7786, 7777, 7779, 7790, 7486, 7451, 8321 (3), 9441 (4) | 2711 (2), 2713 (2), 3360, 3524, 3708   |
| 5631                                | $2^{1+4} : 3$                    | 96    | 51975   | 8360, 9246 (8), 9442 (4), 9185 (8)                           | 2714 (4), 3415, 3443 (6), 3616 (6), 3618, 3620, 3623 (6), 3624 (6), 3694 (3), 3695 (3), 3759 (3), 3760 (3) |
| 5632                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 51975   | 7794 (3), 7448 (4), 8358, 9443 (4)                           | 2715 (4), 3318, 3586 (6), 3615 (6), 3617, 3619 (6), 3622 (6), 3625, 3777 (3), 3796 (3), 3808 (3), 3824 (3) |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups                            | Minimal Overgroups   |
| 5633                                | $Q_8 \times A_4$                 | 96    | 103950  | 7813 (3), 8359, 9227 (4)                     | 2716 (4), 3614 (6), 3621 (6), 3626, 3793 (3), 3833 (3)   |
| 5634                                | $2^4 : 3 \times 2$               | 96    | 103950  | 7772, 8456, 9287 (8), 9444 (12)              | 2766, 3628, 3634, 3635 (3), 3636 (3), 3646 (3), 3651, 3676, 3677 (3), 3678, 3679 (3), 3680, 3681 (3), 3682 (3), 3684 (3), 3691 |
| 5635                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 103950  | 7794 (3), 7766 (3), 7428, 8456, 9286 (4)     | 2766, 3325, 3586 (3), 3629, 3637 (3), 3647 (3), 3648, 3649 (3), 3652, 3683 (3), 3685 (3), 3686, 3687 (3), 3688, 3689 (3), 3690 |
| 5636                                | $2^4 : S_3$                      | 96    | 311850  | 7772, 8457 (3), 9302 (8), 9132 (4)           | 2767, 3631 (2), 3632, 3633, 3636, 3658 (2), 3684 (2), 3692 (2)   |
| 5637                                | $2^4 : S_3$                      | 96    | 311850  | 7428, 7793, 7364, 8457 (3), 9303 (4)         | 2767, 3359 (2), 3637, 3659 (2), 3660, 3661, 3685 (2), 3693 (2)   |
| 5638                                | $2^4 : S_3$                      | 96    | 1247400 | 7771, 8169 (3), 9125 (4), 9134 (4), 9445 (4) | 2768, 3488, 3654, 3669   |
| 5639                                | $2^4 : S_3$                      | 96    | 623700  | 7801, 7427, 7389, 8169 (3), 9446 (4)         | 2768, 3358, 3486, 3639, 3655, 3657, 3667, 3670   |
| 5640                                | $2^4 : S_3$                      | 96    | 623700  | 7773, 8458 (3), 9120 (8), 9133 (4)           | 2769, 3391, 3630 (2), 3664 (2)   |
| 5641                                | $2^4 : S_3$                      | 96    | 623700  | 7389, 7449, 7798, 8458 (3), 9447 (4)         | 2769, 3358, 3390, 3653, 3662, 3663, 3665, 3666   |
| 5642                                | $2^4 : S_3$                      | 96    | 103950  | 7767 (3), 7797 (3), 7428, 8459 (3), 9304 (4) | 2770, 3371 (2), 3587 (6), 3638 (3), 3648, 3661 (3), 3688 (2), 3693 (6)   |
| 5643                                | $D_8 \times A_4$                 | 96    | 311850  | 7796, 7428, 7365, 8459, 9305 (4)             | 2770, 3368 (2), 3588 (2), 3638, 3649, 3660, 3689 (2), 3693 (2)   |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 5644                                | $2^4 : S_3$                    | 96    | 207900  | 7797 (3), 7477 (3),<br>7448, 8460 (3), 9448<br>(4)             | 2771, 3322, 3374,<br>3587 (3), 3625, 3641<br>(3), 3644 (3), 3668<br>(3) |
| 5645                                | $D_8 \times A_4$               | 96    | 623700  | 7390, 7427, 7806,<br>8460, 9380 (4)                            | 2771, 3369, 3513,<br>3590, 3640, 3642,<br>3645, 3667                    |
| 5646                                | $2^4 : S_3$                    | 96    | 207900  | 7804 (3), 7427, 7770<br>(3), 8183 (3), 9449<br>(4)             | 2772, 3370, 3498,<br>3589 (3), 3640 (3),<br>3643 (3), 3650, 3657<br>(3) |
| 5647                                | $2^4 : S_3$                    | 96    | 207900  | 7769 (3), 7804 (3),<br>7449, 8461 (3), 9450<br>(4)             | 2774, 3375, 3465,<br>3589 (3), 3663 (3),<br>3671, 3673 (3), 3675<br>(3) |
| 5648                                | $D_8 \times A_4$               | 96    | 623700  | 7449, 7800, 7390,<br>8461, 9451 (4)                            | 2774, 3373, 3527,<br>3590, 3662, 3672,<br>3674, 3675                    |
| 5649                                | $4^2 : S_3$                    | 96    | 1247400 | 7812, 8462 (3), 9257<br>(4)                                    | 3311, 3455, 3761  |
| 5650                                | $4^2 : 3 : 2$                  | 96    | 1247400 | 7812, 8463, 9258 (4)   | 3311, 3447, 3761  |
| 5651                                | $4^2 : S_3$                    | 96    | 623700  | 7812, 8464 (3), 9260<br>(4)                                    | 3311 (2), 3449, 3763<br>(2)   |
| 5652                                | $2^2 \times 4 : S_3$           | 96    | 623700  | 7813, 7764 (2), 8465<br>(3), 9232 (4)                          | 3316, 3614, 3697,<br>3699, 3769, 3794,<br>3834                          |
| 5653                                | $2^2 \times 4 \cdot S_3$       | 96    | 623700  | 7813, 8466 (3), 9233<br>(4)                                    | 3316, 3614, 3696,<br>3698, 3770, 3825,<br>3835                          |
| 5654                                | $D_8 \times A_4$               | 96    | 623700  | 7813, 7765 (2), 8467,<br>9236 (4)                              | 3317, 3621, 3696,<br>3697, 3770, 3823,<br>3834                          |
| 5655                                | $A_4 \times 2 \cdot 2 \cdot 2$ | 96    | 623700  | 7813, 8468, 9237 (4)   | 3317, 3621, 3698,<br>3699, 3769, 3826,<br>3835                          |
| 5656                                | $2^4 : S_3$                    | 96    | 623700  | 7804, 7785 (2), 7420,<br>7795 (2), 7806, 8469<br>(3), 9452 (4) | 3323, 3520, 3640,<br>3671, 3731, 3751,<br>3756                          |
| 5657                                | $2^4 : S_3$                    | 96    | 623700  | 7792 (2), 7786 (2),<br>7423, 7798, 7768,<br>8470 (3), 9385 (4) | 3324, 3392, 3653,<br>3703, 3704, 3707,<br>3708                          |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 5658                                | $2^4 : S_3$                      | 96    | 311850  | 7793 (2), 7764 (2),<br>7445 (2), 7794, 8471<br>(3), 9453 (4)          | 3325, 3615, 3685,<br>3700, 3701, 3702,<br>3705, 3706, 3776,<br>3794, 3795, 3797,<br>3800, 3811, 3816 |
| 5659                                | $2^4 : S_3$                      | 96    | 623700  | 7423, 7808 (2), 7785<br>(2), 7769, 7806, 8472<br>(3), 9388 (4)        | 3326, 3466, 3645,<br>3671, 3704, 3724,<br>3726   |
| 5660                                | $2^4 : S_3$                      | 96    | 1247400 | 7792, 7787, 7422,<br>7810, 7809, 7807,<br>7785, 8473 (3), 9387<br>(4) | 3326, 3520, 3521   |
| 5661                                | $2^4 : S_3$                      | 96    | 623700  | 7479 (2), 7438, 7477,<br>7805 (2), 7793, 8474<br>(3), 9454 (4)        | 3327, 3365, 3374,<br>3659, 3734, 3737,<br>3740   |
| 5662                                | $2^4 : S_3$                      | 96    | 155925  | 7477 (4), 7794, 7811<br>(2), 8475 (3), 9455<br>(4)                    | 3327 (2), 3625, 3647<br>(2), 3702 (2), 3721<br>(2), 3723 (2), 3773,<br>3799 (2), 3806, 3827<br>(4)   |
| 5663                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 311850  | 7430, 7438 (2), 7796,<br>7794, 7776 (2), 8476,<br>9291 (4)            | 3327, 3329, 3617,<br>3649, 3652, 3701,<br>3705, 3717, 3719,<br>3720, 3722, 3781,<br>3802, 3817, 3821 |
| 5664                                | $2^4 : S_3$                      | 96    | 623700  | 7777, 7810, 7780,<br>7424, 7802, 7792,<br>7486, 8477 (3), 9456<br>(4) | 3328, 3521 (2), 3708<br>(2)  |
| 5665                                | $2^4 : S_3$                      | 96    | 623700  | 7441, 7808, 7780,<br>7423, 7804, 7795,<br>7779, 8133 (3), 9116<br>(4) | 3328, 3467, 3650,<br>3671, 3708, 3713,<br>3715   |
| 5666                                | $2^4 : S_3$                      | 96    | 623700  | 7809, 7485, 7421,<br>7792, 7778, 7795,<br>7803, 8478 (3), 9457<br>(4) | 3328, 3520 (2), 3707<br>(2)  |
| 5667                                | $2^4 : S_3$                      | 96    | 311850  | 7796, 7403 (2), 7432,<br>7805 (2), 7793, 8479<br>(3), 9312 (4)        | 3329, 3365 (2), 3660,<br>3706 (2), 3736 (2),<br>3741, 3810 (2)                                       |
| 5668                                | $2^4 : S_3$                      | 96    | 311850  | 7479 (2), 7797, 7430,<br>7775 (2), 7793, 8480<br>(3), 9311 (4)        | 3329, 3374 (2), 3661,<br>3705 (2), 3735 (2),<br>3750, 3815 (2)                                       |

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| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 5669                                | $2^4 : S_3$                     | 96    | 155925  | 7794, 7774, 7432 (2),<br>7797 (2), 7811, 8481<br>(3), 9294 (4)        | 3329 (2), 3612 (4),<br>3625, 3648 (2), 3706<br>(2), 3716 (2), 3718<br>(2), 3766, 3803, 3812<br>(2)   |
| 5670                                | $A_4 \times 2 \cdot 2 \times 2$ | 96    | 311850  | 7370 (2), 7794, 8482,<br>9271 (4)                                     | 3330, 3586, 3687,<br>3700, 3718, 3719,<br>3720, 3723, 3778,<br>3782, 3795, 3805,<br>3807, 3820, 3822 |
| 5671                                | $2^4 \cdot S_3$                 | 96    | 311850  | 7413, 7794, 7364,<br>8483 (3), 9268 (4)                               | 3330, 3615, 3637,<br>3686, 3716, 3717,<br>3721, 3722, 3776,<br>3782, 3783, 3785,<br>3786, 3790, 3791 |
| 5672                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7439, 7423, 7389,<br>8134 (3), 9117 (4)                               | 3331, 3639, 3653,<br>3714, 3715, 3725,<br>3726   |
| 5673                                | $2^4 \cdot S_3$                 | 96    | 311850  | 7377 (2), 7794, 8484<br>(3), 9292 (4)                                 | 3332, 3622, 3647,<br>3683, 3701, 3712,<br>3717, 3718, 3774,<br>3786, 3797, 3798,<br>3801, 3804, 3807 |
| 5674                                | $A_4 \times 2 \cdot 2 \times 2$ | 96    | 311850  | 7365, 7794, 7434,<br>8485, 9295 (4)                                   | 3332, 3619, 3649,<br>3690, 3702, 3711,<br>3716, 3719, 3780,<br>3785, 3798, 3816,<br>3818, 3819, 3820 |
| 5675                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7440, 7423, 7390,<br>8486 (3), 9390 (4)                               | 3333, 3645, 3674,<br>3703, 3710, 3713,<br>3714   |
| 5676                                | $2^4 : S_3$                     | 96    | 623700  | 7795 (2), 7791 (2),<br>7800, 7770, 7423,<br>8136 (3), 9118 (4)        | 3334, 3650, 3674,<br>3707, 3709, 3724,<br>3725   |
| 5677                                | $2^4 : S_3$                     | 96    | 1247400 | 7424, 7799, 7795,<br>7788, 7789, 7790,<br>7792, 8487 (3), 9458<br>(4) | 3334, 3707, 3708   |
| 5678                                | $2^4 : S_3$                     | 96    | 623700  | 7797, 7784 (2), 7793,<br>7452 (2), 7796, 8488<br>(3), 9459 (4)        | 3335, 3693, 3705,<br>3706, 3788, 3809,<br>3814   |

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| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 5679                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 311850 | 7794, 7765 (2), 7796 (2), 7446 (2), 8489, 9460 (4)       | 3335, 3619, 3652, 3689, 3706, 3712, 3720, 3721, 3780, 3791, 3800, 3801, 3813, 3822, 3823 |
| 5680                                | $2^4 : S_3$                      | 96    | 311850 | 7794, 7781 (2), 7797 (2), 7767, 7437, 8490 (3), 9300 (4) | 3335, 3622, 3648, 3688, 3705, 3711, 3722, 3723, 3779, 3790, 3804, 3805, 3811, 3813, 3818 |
| 5681                                | $2^2 \times 4 : S_3$             | 96    | 623700 | 7439, 7420, 7798, 8406 (3), 9461 (4)                     | 3346, 3522, 3653, 3727, 3728, 3730, 3731   |
| 5682                                | $2^4 : S_3$                      | 96    | 623700 | 7440, 7429, 7798, 8416 (3), 9397 (4)                     | 3349, 3393, 3547, 3665, 3703, 3727, 3733   |
| 5683                                | $2^2 \times 4 : S_3$             | 96    | 623700 | 7435, 7769, 7798, 8418 (3), 9396 (4)                     | 3349, 3394, 3548, 3663, 3704, 3728, 3732   |
| 5684                                | $2^4 : S_3$                      | 96    | 623700 | 7485 (2), 7800, 7798, 7799 (2), 7431, 8422 (3), 9462 (4) | 3350, 3394, 3523, 3662, 3707, 3727, 3738   |
| 5685                                | $2^4 : S_3$                      | 96    | 623700 | 7486 (2), 7799 (2), 7798, 7436, 7441, 8423 (3), 9463 (4) | 3350, 3393, 3524, 3666, 3708, 3728, 3739   |
| 5686                                | $2^4 : S_3$                      | 96    | 623700 | 7800, 7420, 7440, 8435 (3), 9464 (4)                     | 3353, 3526, 3603, 3674, 3727, 3754, 3756   |
| 5687                                | $2^4 : S_3$                      | 96    | 623700 | 7436, 7519, 7440, 8248 (3), 9465 (4)                     | 3353, 3393, 3525, 3598, 3710, 3753, 3755   |
| 5688                                | $D_8 \times A_4$                 | 96    | 623700 | 7800, 7519, 7435, 8271, 9242 (4)                         | 3353, 3394, 3527, 3596, 3709, 3752, 3757   |
| 5689                                | $2^4 : S_3$                      | 96    | 623700 | 7433, 7769, 7800, 8438 (3), 9466 (4)                     | 3356, 3394, 3539, 3603, 3675, 3724, 3749   |
| 5690                                | $D_8 \times A_4$                 | 96    | 623700 | 7439, 7429, 7800, 8272, 9244 (4)                         | 3356, 3538, 3596, 3672, 3725, 3727, 3748   |
| 5691                                | $2^2 \times 4 : S_3$             | 96    | 623700 | 7439, 7769, 7436, 8434 (3), 9467 (4)                     | 3356, 3537, 3598, 3673, 3726, 3728, 3746   |

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| Nr.                                 | Structure            | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 5692                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7798, 7371, 7801,<br>8491 (3), 9468 (4)                        | 3358, 3392, 3522,<br>3732, 3733, 3738,<br>3739                 |
| 5693                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7445, 7370, 7793,<br>8492 (3), 9469 (4)                        | 3359, 3363, 3700,<br>3734, 3735, 3736,<br>3737                 |
| 5694                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7439, 7801, 7444,<br>8191 (3), 9470 (4)                        | 3362, 3522, 3639,<br>3742, 3743, 3746,<br>3748                 |
| 5695                                | $2^4 : S_3$          | 96    | 623700 | 7433, 7801, 7768,<br>8493 (3), 9471 (4)                        | 3362, 3392, 3486,<br>3744, 3745, 3747,<br>3749                 |
| 5696                                | $2^4 : S_3$          | 96    | 311850 | 7413, 7793, 7766,<br>8494 (3), 9313 (4)                        | 3363 (2), 3637, 3740<br>(2), 3741, 3750, 3776<br>(2), 3788 (2) |
| 5697                                | $2^4 : S_3$          | 96    | 623700 | 7431, 7807 (2), 7485<br>(2), 7801, 7806, 8495<br>(3), 9472 (4) | 3364, 3466, 3520,<br>3667, 3738, 3742,<br>3744                 |
| 5698                                | $2^4 : S_3$          | 96    | 623700 | 7486 (2), 7807 (2),<br>7441, 7478, 7801,<br>8188 (3), 9473 (4) | 3364, 3467, 3521,<br>3670, 3739, 3743,<br>3745                 |
| 5699                                | $2^2 \times 4 : S_3$ | 96    | 311850 | 7767, 7434, 7793,<br>8496 (3), 9319 (4)                        | 3366 (2), 3661, 3711,<br>3734 (2), 3741, 3814<br>(2), 3816 (2) |
| 5700                                | $2^4 : S_3$          | 96    | 623700 | 7377, 7446, 7793,<br>8497 (3), 9474 (4)                        | 3366, 3372, 3659,<br>3712, 3735, 3736,<br>3740                 |
| 5701                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7770, 7435, 7801,<br>8199 (3), 9475 (4)                        | 3367, 3529, 3657,<br>3709, 3732, 3743,<br>3744                 |
| 5702                                | $2^4 : S_3$          | 96    | 623700 | 7440, 7447, 7801,<br>8498 (3), 9476 (4)                        | 3367, 3526, 3655,<br>3710, 3733, 3742,<br>3745                 |
| 5703                                | $2^4 : S_3$          | 96    | 623700 | 7796, 7445, 7377,<br>8499 (3), 9477 (4)                        | 3368, 3377, 3594,<br>3656, 3701, 3729,<br>3736                 |
| 5704                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7478, 7798, 7390,<br>8500 (3), 9399 (4)                        | 3369, 3395, 3548,<br>3662, 3703, 3730,<br>3739                 |
| 5705                                | $2^4 : S_3$          | 96    | 623700 | 7376, 7798, 7806,<br>8501 (3), 9398 (4)                        | 3369, 3396, 3547,<br>3666, 3704, 3731,<br>3738                 |

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| Nr.                                 | Structure            | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 5706                                | $2^4 : S_3$          | 96    | 623700 | 7804, 7788 (2), 7798, 7802 (2), 7447, 8502 (3), 9478 (4) | 3370, 3395, 3523, 3663, 3708, 3731, 3733                 |
| 5707                                | $2^4 : S_3$          | 96    | 623700 | 7770, 7788 (2), 7798, 7803 (2), 7476, 8503 (3), 9479 (4) | 3370, 3396, 3524, 3665, 3707, 3730, 3732                 |
| 5708                                | $2^4 : S_3$          | 96    | 623700 | 7446, 7784 (2), 7445, 7805 (2), 7797, 8504 (3), 9480 (4) | 3371, 3378, 3641, 3668, 3706, 3729, 3735                 |
| 5709                                | $2^2 \times 4 : S_3$ | 96    | 311850 | 7365, 7437, 7793, 8505 (3), 9317 (4)                     | 3372 (2), 3660, 3711, 3737 (2), 3750, 3809 (2), 3811 (2) |
| 5710                                | $2^2 \times 4 : S_3$ | 96    | 623700 | 7801, 7436, 7390, 8506 (3), 9481 (4)                     | 3373, 3529, 3667, 3710, 3739, 3746, 3747                 |
| 5711                                | $2^4 : S_3$          | 96    | 623700 | 7801, 7800, 7376, 8198 (3), 9482 (4)                     | 3373, 3526, 3670, 3709, 3738, 3748, 3749                 |
| 5712                                | $2^4 : S_3$          | 96    | 623700 | 7787 (2), 7801, 7429, 7804, 7803 (2), 8187 (3), 9483 (4) | 3375, 3467, 3520, 3657, 3733, 3747, 3748                 |
| 5713                                | $2^4 : S_3$          | 96    | 623700 | 7801, 7787 (2), 7476, 7802 (2), 7769, 8507 (3), 9484 (4) | 3375, 3466, 3521, 3655, 3732, 3746, 3749                 |
| 5714                                | $D_8 \times A_4$     | 96    | 623700 | 7435, 7806, 7768, 8508, 9395 (4)                         | 3376, 3513, 3597, 3704, 3744, 3751, 3752                 |
| 5715                                | $2^4 : S_3$          | 96    | 623700 | 7440, 7478, 7768, 8509 (3), 9393 (4)                     | 3376, 3511, 3599, 3703, 3745, 3753, 3754                 |
| 5716                                | $2^4 : S_3$          | 96    | 623700 | 7440, 7806, 7444, 8510 (3), 9394 (4)                     | 3376, 3547, 3601, 3645, 3742, 3755, 3756                 |
| 5717                                | $D_8 \times A_4$     | 96    | 311850 | 7766, 7796, 7434, 8511, 9316 (4)                         | 3377 (2), 3595 (2), 3649, 3741, 3758, 3780 (2), 3814 (2) |
| 5718                                | $2^4 : S_3$          | 96    | 311850 | 7811 (2), 7766, 7437, 7781 (2), 7797, 8512 (3), 9314 (4) | 3378 (2), 3644 (2), 3648, 3750, 3758, 3779 (2), 3809 (2) |
| 5719                                | $2^4 : S_3$          | 96    | 623700 | 7805 (2), 7765, 7811, 7452 (2), 7764, 8513 (3), 9485 (4) | 3378 (2), 3706, 3834 (2)                                 |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 5720                                | $2^4 : S_3$                      | 96    | 623700  | 7808 (2), 7800, 7804, 7791 (2), 7444, 8197 (3), 9486 (4)     | 3379, 3523, 3650, 3675, 3748, 3756, 3757                 |
| 5721                                | $2^4 : S_3$                      | 96    | 1247400 | 7480, 7786, 7803, 7790, 7799, 7791, 7809, 8514 (3), 9142 (4) | 3379, 3524, 3707   |
| 5722                                | $2^4 : S_3$                      | 96    | 623700  | 7810 (2), 7768, 7804, 7790 (2), 7436, 8515 (3), 9487 (4)     | 3379, 3498, 3673, 3708, 3747, 3751, 3753                 |
| 5723                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 623700  | 7476, 7768, 7809 (2), 7789 (2), 7800, 8516, 9488 (4)         | 3379, 3496, 3672, 3707, 3749, 3752, 3754                 |
| 5724                                | $2^4 : S_3$                      | 96    | 1247400 | 7802, 7786, 7808, 7789, 7451, 7799, 7810, 8517 (3), 9143 (4) | 3379, 3523, 3708   |
| 5725                                | $2^2 \times 4 : S_3$             | 96    | 311850  | 7434, 7797, 7364, 8518 (3), 9293 (4)                         | 3380 (2), 3661, 3668 (2), 3716, 3758, 3814 (2), 3818 (2) |
| 5726                                | $2^2 \times 4 : S_3$             | 96    | 623700  | 7370, 7797, 7377, 8519 (3), 9273 (4)                         | 3380, 3383, 3587, 3644, 3718, 3729, 3735                 |
| 5727                                | $2^4 \cdot S_3$                  | 96    | 623700  | 7440, 7476, 7389, 8520 (3), 9489 (4)                         | 3381, 3530, 3655, 3665, 3714, 3754, 3755                 |
| 5728                                | $2^2 \times 4 : S_3$             | 96    | 623700  | 7440, 7804, 7371, 8521 (3), 9490 (4)                         | 3381, 3531, 3589, 3713, 3733, 3753, 3756                 |
| 5729                                | $2^2 \times 4 : S_3$             | 96    | 623700  | 7389, 7804, 7435, 8202 (3), 9491 (4)                         | 3381, 3533, 3657, 3663, 3715, 3751, 3757                 |
| 5730                                | $A_4 \times 2 \cdot 2 \times 2$  | 96    | 623700  | 7439, 7476, 7390, 8522, 9492 (4)                             | 3382, 3534, 3642, 3672, 3714, 3730, 3746                 |
| 5731                                | $2^2 \times 4 : S_3$             | 96    | 623700  | 7439, 7804, 7376, 8204 (3), 9493 (4)                         | 3382, 3531, 3643, 3673, 3715, 3731, 3748                 |
| 5732                                | $2^2 \times 4 : S_3$             | 96    | 623700  | 7390, 7804, 7433, 8523 (3), 9494 (4)                         | 3382, 3395, 3533, 3640, 3675, 3713, 3747                 |
| 5733                                | $2^2 \times 4 : S_3$             | 96    | 311850  | 7413, 7797, 7365, 8524 (3), 9269 (4)                         | 3383 (2), 3638, 3641 (2), 3716, 3750, 3788 (2), 3790 (2) |

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| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups                    | Minimal Overgroups                                       |
| 5734                                | $2^4 : S_3$                     | 96    | 311850  | 7364, 7796, 7437, 8525 (3), 9321 (4) | 3384 (2), 3656 (2), 3660, 3722, 3758, 3809 (2), 3813 (2) |
| 5735                                | $D_8 \times A_4$                | 96    | 623700  | 7370, 7796, 7446, 8526, 9495 (4)     | 3384, 3387, 3588, 3595, 3720, 3729, 3736                 |
| 5736                                | $D_8 \times A_4$                | 96    | 623700  | 7800, 7806, 7371, 8527, 9496 (4)     | 3385, 3538, 3590, 3724, 3738, 3752, 3756                 |
| 5737                                | $2^4 : S_3$                     | 96    | 623700  | 7436, 7806, 7389, 8528 (3), 9497 (4) | 3385, 3536, 3666, 3667, 3726, 3751, 3755                 |
| 5738                                | $2^4 : S_3$                     | 96    | 623700  | 7800, 7478, 7389, 8205 (3), 9498 (4) | 3385, 3539, 3662, 3670, 3725, 3754, 3757                 |
| 5739                                | $2^4 : S_3$                     | 96    | 623700  | 7770, 7806, 7433, 8529 (3), 9499 (4) | 3386, 3396, 3536, 3601, 3640, 3724, 3744                 |
| 5740                                | $D_8 \times A_4$                | 96    | 623700  | 7447, 7806, 7439, 8530, 9500 (4)     | 3386, 3538, 3597, 3642, 3726, 3731, 3742                 |
| 5741                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7770, 7478, 7439, 8207 (3), 9501 (4) | 3386, 3537, 3599, 3643, 3725, 3730, 3743                 |
| 5742                                | $2^4 : S_3$                     | 96    | 311850  | 7413, 7796, 7767, 8531 (3), 9323 (4) | 3387 (2), 3594 (2), 3638, 3722, 3741, 3788 (2), 3791 (2) |
| 5743                                | $2^4 : S_3$                     | 96    | 623700  | 7782, 8532 (3), 9260 (4), 9257 (8)   | 3448, 3456 (2), 3762 (2)                                 |
| 5744                                | $4^2 : S_3$                     | 96    | 623700  | 7812, 8533 (3), 9133 (4)             | 3449, 3761 (2), 3764 (2)                                 |
| 5745                                | $4^2 : 3 : 2$                   | 96    | 1247400 | 7812, 8534, 9431 (4)                 | 3457, 3763, 3764   |
| 5746                                | $4^2 : S_3$                     | 96    | 1247400 | 7812, 8535 (3), 9428 (4)             | 3542, 3763, 3764   |
| 5747                                | $2^2 \times 4 : S_3$            | 96    | 311850  | 7814 (2), 7813, 8536 (3), 9502 (4)   | 3591, 3613 (2), 3696 (2), 3699 (2), 3767 (2), 3832, 3833 |
| 5748                                | $2^2 \times 4 : S_3$            | 96    | 311850  | 7815, 7774, 7813, 8537 (3), 9234 (4) | 3591, 3612 (2), 3626, 3697 (2), 3698 (2), 3765 (2), 3803 |
| 5749                                | $A_4 \times 2 \times 2 \cdot 2$ | 96    | 311850  | 7813 (2), 7783, 8538, 9503 (4)       | 3604, 3765, 3767, 3771 (2), 3793 (2), 3828 (2), 3831 (2) |

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| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups                              | Minimal Overgroups   |
| 5750                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 155925 | 7794, 7766 (4), 7783 (2), 8539, 9504 (4)       | 3604 (2), 3629, 3766, 3768 (2), 3771 (2), 3772 (2), 3773, 3774, 3775 (2), 3776 (2), 3777, 3778, 3779, 3780 (2), 3781 (2) |
| 5751                                | $2^2 \times 4 : S_3$             | 96    | 623700 | 7813, 7815, 7814, 8540 (3), 9505 (4)           | 3607, 3613, 3765, 3828, 3829, 3832, 3833   |
| 5752                                | $2^2 \times 4 : S_3$             | 96    | 623700 | 7813, 7811, 7814, 8541 (3), 9506 (4)           | 3607, 3612, 3767, 3806, 3827, 3828, 3833   |
| 5753                                | $2^4 : S_3$                      | 96    | 311850 | 7811, 7781 (4), 7814, 7783, 8542 (3), 9507 (4) | 3607 (2), 3609, 3766, 3767, 3779 (2), 3827 (2), 3831 (2)   |
| 5754                                | $2^4 \cdot S_3$                  | 96    | 311850 | 7783, 7815 (2), 8543 (3), 9508 (4)             | 3609, 3765, 3768, 3772 (2), 3829 (2), 3830 (2), 3831 (2)   |
| 5755                                | $2^4 : S_3$                      | 96    | 623700 | 7814, 7794, 7815, 8544 (3), 9509 (4)           | 3612, 3613, 3768, 3808, 3827, 3829, 3832   |
| 5756                                | $2^4 : S_3$                      | 96    | 155925 | 7794, 7767 (4), 7814 (2), 8545 (3), 9510 (4)   | 3613 (4), 3688 (2), 3766, 3791 (2), 3792 (2), 3806, 3807 (2), 3808, 3816 (2), 3817 (2)                                   |
| 5757                                | $2^2 \times 4 \cdot S_3$         | 96    | 311850 | 7813, 7815 (2), 8546 (3), 9235 (4)             | 3626, 3769 (2), 3770 (2), 3828 (2), 3829 (2), 3830, 3832   |
| 5758                                | $2^4 \cdot S_3$                  | 96    | 155925 | 7815 (2), 7794, 8547 (3), 9297 (4)             | 3683 (2), 3773, 3785 (2), 3787 (2), 3800 (2), 3802 (2), 3803, 3805 (2), 3808, 3829 (4)                                   |
| 5759                                | $2^4 : S_3$                      | 96    | 623700 | 7793, 7766, 7364, 8548 (3), 9511 (4)           | 3685, 3775, 3776, 3809, 3810, 3814, 3815   |
| 5760                                | $2^4 \cdot S_3$                  | 96    | 311850 | 7794, 7364 (2), 8549 (3), 9290 (4)             | 3685, 3686, 3775, 3782, 3784, 3795, 3796, 3798, 3799, 3801, 3802, 3812, 3813, 3817, 3818                                 |

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| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5761                                | $A_4 \times 2 \cdot 2 \times 2$ | 96    | 155925  | 7813 (2), 7794, 8550, 9296 (4)                           | 3687 (2), 3777, 3783, 3784 (2), 3793 (2), 3794, 3803, 3804 (2), 3806, 3819, 3821 (2), 3823, 3825 (2), 3826 (2), 3832 (2) |
| 5762                                | $2^4 : S_3$                     | 96    | 623700  | 7797, 7814 (2), 7781 (2), 7767, 7766, 8551 (3), 9512 (4) | 3688, 3766, 3779, 3788, 3789, 3814, 3815   |
| 5763                                | $D_8 \times A_4$                | 96    | 623700  | 7766, 7796, 7365, 8552, 9513 (4)                         | 3689, 3780, 3781, 3788, 3789, 3809, 3810   |
| 5764                                | $A_4 \times 2 \cdot 2 \times 2$ | 96    | 311850  | 7365 (2), 7794, 8553, 9298 (4)                           | 3689, 3690, 3781, 3786, 3787, 3790, 3792, 3797, 3799, 3811, 3812, 3820, 3821, 3822, 3824                                 |
| 5765                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7767, 7365, 7793, 8554 (3), 9514 (4)                     | 3693, 3788, 3792, 3810, 3811, 3815, 3816   |
| 5766                                | $2^4 : S_3$                     | 96    | 623700  | 7796, 7767, 7364, 8555 (3), 9515 (4)                     | 3693, 3789, 3791, 3810, 3813, 3814, 3817   |
| 5767                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 7364, 7365, 7797, 8556 (3), 9299 (4)                     | 3693, 3789, 3790, 3809, 3812, 3815, 3818   |
| 5768                                | $2^4 : S_3$                     | 96    | 1247400 | 7765, 7764, 7815, 8557 (3), 9238 (4)                     | 3697, 3800, 3834   |
| 5769                                | $2^2 \times 4 : S_3$            | 96    | 311850  | 7813, 7811, 7815, 8558 (3), 9320 (4)                     | 3803, 3827 (2), 3828 (2), 3830, 3833, 3834 (2), 3835 (2)   |
| 5770                                | $3 \times 15 : 2$               | 90    | 332640  | 7816, 9076 (2), 9075 (2), 9583 (5)                       | 1781, 1782, 2410 (2), 3838 (2), 3841, 3842, 3843 (2), 3844, 3845 (2), 3846 (2)   |
| 5771                                | $15 : S_3$                      | 90    | 332640  | 7816, 9072 (6), 9071 (6), 9584                           | 2368 (2), 3836, 3841, 3848, 3849, 3852, 3853, 3854   |
| 5772                                | $15 : S_3$                      | 90    | 332640  | 7816, 9081 (6), 9084 (6), 9585 (5)                       | 2416 (2), 3841, 3850 (2), 3855 (2), 3856 (2)   |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups                     | Minimal Overgroups                                       |
| 5773                                | $15 : S_3$                | 90    | 665280  | 7816, 9077, 9082 (3), 9586 (5)        | 2417, 2418, 3843, 3848, 3850                             |
| 5774                                | $15 \times S_3$           | 90    | 665280  | 7816, 9080, 9083 (3), 9587            | 2419, 2420, 3843, 3849, 3850                             |
| 5775                                | $15 \times S_3$           | 90    | 665280  | 7816, 9079, 9074 (3), 9588            | 3846, 3854, 3856   |
| 5776                                | $15 : S_3$                | 90    | 665280  | 7816, 9078, 9073 (3), 9567 (5)        | 3846, 3853, 3856   |
| 5777                                | $7 : 3 : 2 \times 2$      | 84    | 1425600 | 7817 (2), 7824, 9095, 10294 (7)       | 206, 1496, 3007 (2), 3857, 3858, 3860                    |
| 5778                                | $7 : 3 : 2 \times 2$      | 84    | 950400  | 7817, 7823, 7818, 9096, 10295 (7)     | 207, 1497 (3), 3008 (3), 3011, 3857 (3)                  |
| 5779                                | $7 : 3 : 2 \times 2$      | 84    | 2851200 | 7817, 7823, 7819, 9089, 10296 (7)     | 208, 441 (2), 1498, 3009, 3010, 3857                     |
| 5780                                | $7 : 3 : 2 \times 2$      | 84    | 1425600 | 7818, 7824, 7819, 9094, 10297 (7)     | 212, 1499, 2062 (2), 3012 (2), 3857, 3859, 3861          |
| 5781                                | $7 : 3 \times 2 \cdot 2$  | 84    | 1425600 | 7824, 9093, 10298 (7)                 | 213, 1500, 2061 (2), 3858, 3861, 3862                    |
| 5782                                | $7 : 3 : 2 \times 2$      | 84    | 1425600 | 7819 (2), 7824, 9097, 10299 (7)       | 215, 1501, 3859, 3860, 3862                              |
| 5783                                | $D_{14} \times S_3$       | 84    | 950400  | 7820, 7825, 7829, 9089 (3), 10300 (7) | 442 (2), 3010, 3864                                      |
| 5784                                | $D_{14} \times S_3$       | 84    | 950400  | 7820, 7822, 7826, 9095 (3), 10268 (7) | 1265, 3007, 3864   |
| 5785                                | $D_{14} \times S_3$       | 84    | 950400  | 7827, 7822, 7829, 9094 (3), 10269 (7) | 1266, 3012, 3864   |
| 5786                                | $14 \times S_3$           | 84    | 950400  | 7825, 7831, 7822, 9091 (3), 10270     | 1267, 3013, 3864   |
| 5787                                | $7 : 3 \times 2 \times 2$ | 84    | 475200  | 7824 (3), 9090, 10301 (7)             | 1502 (2), 1505, 1506 (2), 3014, 3858 (3), 3859, 3869 (3) |
| 5788                                | $7 : 3 \times 2 \times 2$ | 84    | 1425600 | 7823 (2), 7824, 9091, 10302 (7)       | 1503 (2), 1507, 1508 (2), 3013 (2), 3857, 3862, 3869     |
| 5789                                | $7 : 3 \times 2 \cdot 2$  | 84    | 1425600 | 7824, 9092, 10303 (7)                 | 1504 (2), 1509, 1510 (2), 2063 (2), 3860, 3861, 3869     |
| 5790                                | $2 \times 14 : 3$         | 84    | 950400  | 9090, 9524 (4), 10304 (7)             | 1511 (2), 3014, 3873                                     |
| 5791                                | $2 \times 14 : 3$         | 84    | 475200  | 9090, 9523 (4), 10305                 | 1512 (2), 2064, 3014, 3870, 3871, 3872                   |

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| Nr.                                 | Structure                          | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups  |
| 5792                                | $D_{14} \times S_3$                | 84    | 950400  | 7826, 7825, 7827, 9096 (3), 10306 (7)              | 2434 (2), 3008, 3864  |
| 5793                                | $D_{84}$                           | 84    | 950400  | 7826, 7831, 7829, 9089 (3), 10307 (7)              | 3009, 3864  |
| 5794                                | $7 : 3 : 2 \times 2$               | 84    | 1900800 | 7828, 7830, 7821, 9096, 10308 (7)                  | 3011  |
| 5795                                | $21 : 2 \times 2$                  | 84    | 950400  | 7827, 7831, 7820, 9096, 10309 (7)                  | 3011, 3864  |
| 5796                                | $3^{1+2} : 3$                      | 81    | 492800  | 9100, 9098 (2), 9099                               | 313 (3), 2436, 3015, 3874 (3), 3875 (3), 3876   |
| 5797                                | $3^{1+2} : 3$                      | 81    | 246400  | 9100, 9102 (2), 9103                               | 2461, 3015, 3879, 3881 (3), 3882 (3), 3883 (3), 3884 (3), 3885, 3886                      |
| 5798                                | $3^{1+2} : 3$                      | 81    | 985600  | 9104, 9099, 9098, 9102                             | 2463, 3015, 3887 (3)  |
| 5799                                | $3^{1+2} : 3$                      | 81    | 492800  | 9104, 9098 (2), 9103                               | 2465, 3015, 3880 (3), 3888 (3), 3889  |
| 5800                                | $3^4$                              | 81    | 15400   | 9101 (12), 9104 (8), 9105 (16), 9100 (4)           | 3015 (16), 3890 (24), 3891, 3895 (12), 3898 (4), 3900 (4), 3903 (12), 3904 (6), 3905 (12) |
| 5801                                | $3^{1+2} \times 3$                 | 81    | 246400  | 9105, 9106 (6), 9107 (3), 9099 (2), 9103           | 3015, 3878 (3), 3892 (3), 3893, 3896 (3), 3899, 3901 (3), 3902                            |
| 5802                                | $3^{1+2} \times 3$                 | 81    | 492800  | 9105, 9108 (6), 9109 (3), 9098 (2), 9102           | 3015, 3877 (3), 3894 (3), 3897  |
| 5803                                | $D_{10} \cdot 2 \times 2 \times 2$ | 80    | 5987520 | 7832, 7834, 7836, 7833, 7837, 7835, 7838, 9784 (5) | 443, 956, 1829, 2078  |
| 5804                                | $D_{10} \cdot 2 \times 2 \cdot 2$  | 80    | 1496880 | 7857, 7846, 7839, 9706 (5)                         | 1423 (2), 1846, 1849, 3106, 3906, 3908, 3920  |
| 5805                                | $D_8 \times (D_{10})$              | 80    | 1496880 | 7852, 7843, 7844, 7841, 7839, 7858, 7840, 9705 (5) | 1424 (2), 1847, 1850, 3121, 3906, 3913, 3916  |
| 5806                                | $D_{20} \cdot 2 \cdot 2$           | 80    | 1496880 | 7842, 7853, 7839, 9707 (5)                         | 1425 (2), 1848, 1851, 2073 (2), 3115, 3906, 3912, 3917                                    |

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| Nr.                                 | Structure                          | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 5807                                | $D_{10} \cdot 2 \times 2 : 2$      | 80    | 1496880 | 7857, 7842, 7852, 9725 (5)                         | 1453 (2), 1852, 1853, 3107, 3906, 3909, 3919                       |
| 5808                                | $D_{10} \cdot 2 \times 2 : 2$      | 80    | 1496880 | 7842, 7846, 7858, 9726 (5)                         | 1454 (2), 1854, 1855, 3111, 3906, 3911, 3915                       |
| 5809                                | $D_{20} \times 2 \cdot 2$          | 80    | 498960  | 7859, 7849 (3), 7846 (3), 9785 (5)                 | 1830, 1865, 3036 (3), 3084, 3907, 3908 (3), 3911 (3)               |
| 5810                                | $D_{10} \cdot 2 \times 2 \times 2$ | 80    | 498960  | 7847 (2), 7848 (2), 7853, 7852, 7846, 9786 (5)     | 1831, 1866 (3), 3041 (6), 3063, 3906 (3), 3907 (3), 3914           |
| 5811                                | $D_{20} \times 2 \cdot 2$          | 80    | 1496880 | 7861, 7862, 7850 (2), 7846, 7848 (2), 9787 (5)     | 1832, 1867, 3043 (2), 3062, 3907, 3915, 3920                       |
| 5812                                | $D_{10} \cdot 2 \times 2 \times 2$ | 80    | 498960  | 7849 (3), 7857 (3), 7851, 9703 (5)                 | 1833, 1868, 3051, 3064, 3908 (3), 3909 (3), 3910                   |
| 5813                                | $D_{20} \times 2 \cdot 2$          | 80    | 1496880 | 7852, 7863 (2), 7862, 7848 (2), 7849, 9704 (5)     | 1834, 1869, 3040 (2), 3052, 3907, 3909, 3913                       |
| 5814                                | $D_{20} \times 2 \cdot 2$          | 80    | 1496880 | 7861, 7863, 7853, 7847, 7850, 7845, 7849, 9788 (5) | 1835, 1870, 2072 (2), 3039 (2), 3053, 3907, 3910, 3912             |
| 5815                                | $20 : 2 \cdot 2$                   | 80    | 1496880 | 7854, 7839, 7849, 9789 (5)                         | 1836, 1871, 2071 (2), 3054, 3908, 3912, 3913                       |
| 5816                                | $D_{20} \cdot 2 \cdot 2$           | 80    | 1496880 | 7842, 7855, 7849, 9707 (5)                         | 1837, 1872, 2073 (2), 3055, 3909, 3911, 3912                       |
| 5817                                | $D_{10} \cdot 2 \times 2 \times 2$ | 80    | 1496880 | 7850 (2), 7860 (2), 7849, 7858, 7856, 9790 (5)     | 1838, 1873, 3056, 3910, 3911, 3913                                 |
| 5818                                | $D_{10} \cdot 2 \times 2 : 2$      | 80    | 498960  | 7854, 7851, 7846, 9791 (5)                         | 1876, 1877 (3), 3050, 3087, 3908 (3), 3914, 3915 (3)               |
| 5819                                | $D_8 \times (D_{10})$              | 80    | 498960  | 7851, 7855, 7887, 7852, 7875, 7878, 7886, 9792 (5) | 1878, 1879 (3), 3077, 3103, 3909 (3), 3914, 3916 (3)               |
| 5820                                | $D_{10} \cdot 2 \times 2 \times 2$ | 80    | 166320  | 7853 (3), 7856 (3), 7851, 9793 (5)                 | 1880 (3), 1881, 3078, 3101, 3102 (2), 3910 (3), 3914 (3), 3917 (9) |

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| Nr.                                 | Structure                          | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 5821                                | $D_{10} \cdot 2 \times 2 \cdot 2$  | 80    | 498960  | 7855, 7856, 7846, 9794 (5)   | 1882 (3), 1883, 3114, 3911 (3), 3914, 3920 (3)           |
| 5822                                | $20 : 2 \cdot 2$                   | 80    | 498960  | 7854, 7855, 7853, 9795 (5)   | 1884, 1885 (3), 2074 (6), 3118, 3912 (3), 3914, 3918 (3) |
| 5823                                | $D_{10} \cdot 2 \times 2 : 2$      | 80    | 498960  | 7854, 7856, 7852, 9796 (5)   | 1886, 1887 (3), 3120, 3913 (3), 3914, 3919 (3)           |
| 5824                                | $D_8 \times (D_{10})$              | 80    | 1496880 | 7851, 7879, 7859, 7870, 7883, 7882, 7839, 9797 (5)                 | 1896, 1897, 3030, 3031, 3048 (2), 3088, 3908, 3916, 3917 |
| 5825                                | $D_{10} \cdot 2 \times 2 \times 2$ | 80    | 1496880 | 7845 (2), 7860 (2), 7853, 7858, 7857, 9798 (5)                     | 1898, 1899, 3042 (4), 3110, 3906, 3910, 3918             |
| 5826                                | $D_{10} \cdot 2 \times 2 : 2$      | 80    | 1496880 | 7857, 7854, 7859, 9799 (5)   | 1900, 1901, 3079, 3105, 3908, 3918, 3919                 |
| 5827                                | $D_{10} \cdot 2 \times 2 \times 2$ | 80    | 498960  | 7853 (3), 7862 (3), 7859, 9800 (5)                                 | 1902, 1903, 3038 (3), 3080, 3907, 3917 (3), 3918 (3)     |
| 5828                                | $D_8 \times (D_{10})$              | 80    | 1496880 | 7876, 7859, 7889, 7877, 7888, 7855, 7858, 9801 (5)                 | 1904, 1905, 3081, 3113, 3911, 3916, 3918                 |
| 5829                                | $D_{10} \cdot 2 \times 2 : 2$      | 80    | 1496880 | 7862, 7842, 7851, 9731 (5)   | 1906, 1907, 3082, 3098, 3099 (2), 3909, 3915, 3917       |
| 5830                                | $D_{20} \times 2 \times 2$         | 80    | 498960  | 7880, 7885 (3), 7861 (3), 7881, 7884 (3), 7858 (3), 7851, 9802 (5) | 1908, 1909, 3083, 3100, 3910, 3915 (3), 3916 (3)         |
| 5831                                | $D_{10} \cdot 2 \times 2 : 2$      | 80    | 1496880 | 7859, 7842, 7856, 9803 (5)   | 1910, 1911, 3085, 3112, 3911, 3917, 3919                 |
| 5832                                | $D_{20} \times 2 \times 2$         | 80    | 498960  | 7852 (3), 7861 (3), 7873 (3), 7874 (3), 7871, 7872, 7859, 9804 (5) | 1912, 1913, 3037 (3), 3086, 3907, 3916 (3), 3919 (3)     |
| 5833                                | $D_{10} \cdot 2 \times 2 \cdot 2$  | 80    | 1496880 | 7857, 7855, 7862, 9760 (5)   | 1918, 1919, 3108, 3909, 3918, 3920                       |
| 5834                                | $D_{20} \times 2 \cdot 2$          | 80    | 1496880 | 7861, 7863 (2), 7857, 7860 (2), 7856, 9805 (5)                     | 1920, 1921, 3109, 3910, 3919, 3920                       |

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| Nr.                                 | Structure                          | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups                           |
| 5835                                | $20 : 2 \times 2$                  | 80    | 1496880 | 7866, 7865, 7839, 7861, 7864, 7855, 7867, 9788 (5) | 1922, 1923, 2072 (2), 3117, 3912, 3916, 3920 |
| 5836                                | $D_{10} \cdot 2 \times 2 \times 2$ | 80    | 1496880 | 7869 (2), 7842, 7861, 7868 (2), 7854, 9806 (5)     | 1924, 1925, 2075 (2), 3116, 3912, 3915, 3919 |
| 5837                                | $D_{10} \cdot 2 \times 2 \cdot 2$  | 80    | 1496880 | 7839, 7856, 7862, 9807 (5)                         | 1926, 1927, 3122, 3913, 3917, 3920           |
| 5838                                | $D_{10} \cdot 2 \times 2 : 2$      | 80    | 1496880 | 7854, 7858, 7862, 9808 (5)                         | 1928, 1929, 3119, 3913, 3915, 3918           |
| 5839                                | $D_8 \times (D_{10})$              | 80    | 1496880 | 7880, 7875, 7876, 7870, 7864, 7871, 7840, 9809 (5) | 3032, 3033, 3131, 3916                       |
| 5840                                | $D_8 \times 10$                    | 80    | 1496880 | 7878, 7841, 7877, 7872, 7881, 7870, 7865, 9810     | 3034, 3035, 3132, 3916                       |
| 5841                                | $D_{20} \times 2 : 2$              | 80    | 1496880 | 7873, 7866, 7879, 7881, 7844, 7875, 7888, 9811 (5) | 3129, 3133, 3916                             |
| 5842                                | $D_8 \times (D_{10})$              | 80    | 1496880 | 7874, 7843, 7879, 7878, 7867, 7880, 7889, 9782 (5) | 3130, 3134, 3916                             |
| 5843                                | $D_8 \times (D_{10})$              | 80    | 1496880 | 7886, 7867, 7882, 7877, 7844, 7871, 7884, 9812 (5) | 3135, 3138, 3916                             |
| 5844                                | $Q_{20} : 2 \times 2$              | 80    | 1496880 | 7887, 7843, 7876, 7872, 7885, 7882, 7866, 9670 (5) | 3136, 3137, 3916                             |
| 5845                                | $D_8 \times (D_{10})$              | 80    | 1496880 | 7887, 7874, 7883, 7841, 7888, 7864, 7884, 9813 (5) | 3139, 3916                                   |
| 5846                                | $D_{20} \times 2 : 2$              | 80    | 1496880 | 7885, 7873, 7889, 7865, 7883, 7886, 7840, 9814 (5) | 3140, 3916                                   |
| 5847                                | $2^4 : 5$                          | 80    | 374220  | 9815, 10670 (16)                                   | 3921, 3922, 3923, 3924, 3925, 3926, 3927     |
| 5848                                | $A_4 \times S_3$                   | 72    | 3326400 | 7894, 9138, 9123 (3), 9568 (4)                     | 52 (2), 675, 1026, 3949                      |
| 5849                                | $3 : S_3 \cdot 2 : 2$              | 72    | 1663200 | 7911, 7912, 7924, 10423 (9)                        | 253, 973 (2), 1578 (2), 3929, 3934, 3935     |
| 5850                                | $3 : S_3 \cdot 2 : 2$              | 72    | 3326400 | 7909, 7910, 7926, 10423 (9)                        | 254, 972, 1406, 1578, 3930                   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5851                                | $3 : S_3 \cdot 2 : 2$   | 72    | 1663200 | 8068, 7977, 7924, 10424 (9)                                  | 268, 3933, 3934, 3935  |
| 5852                                | $A_4 : S_3$             | 72    | 27720   | 7965, 9245 (6), 9135 (3), 9301 (3), 9584 (4)                 | 549, 2367 (5), 2368 (6), 2639 (5), 3145 (10), 3938 (10), 3939, 3940 (10), 3941 (15), 3942 (15) |
| 5853                                | $D_{12} \times S_3$     | 72    | 3326400 | 7958, 8020, 8016, 8012, 7890, 7891, 7989, 9114 (3), 9411 (3) | 667 (2), 2515, 2709, 3219, 3239, 4040  |
| 5854                                | $2 \times 6 : S_3$      | 72    | 1663200 | 7893, 9119, 9192 (3), 9589 (4)                               | 672, 3192, 3945, 3946, 3947  |
| 5855                                | $A_4 \times S_3$        | 72    | 554400  | 7893, 9144, 9124 (3), 9590 (4)                               | 676 (3), 3263, 3945 (3), 3948, 3950 (3)  |
| 5856                                | $A_4 : S_3$             | 72    | 1663200 | 7893, 9120 (6), 9125 (3), 9208 (3), 9591 (4)                 | 677, 3264, 3945, 3951, 3952  |
| 5857                                | $A_4 : S_3$             | 72    | 1663200 | 7893, 9121 (6), 9222 (3), 9126 (3), 9592 (4)                 | 678, 3195, 3946, 3950, 3952  |
| 5858                                | $A_4 \times S_3$        | 72    | 554400  | 7893, 9350, 9127 (3), 9593 (4)                               | 679 (3), 3198, 3946 (3), 3948, 3951 (3)  |
| 5859                                | $A_4 \times 3 \times 2$ | 72    | 554400  | 7893, 9122 (2), 9360, 9128, 9594 (4)                         | 680 (3), 3267, 3947 (3), 3948, 3952 (3)  |
| 5860                                | $2 \times 6 : S_3$      | 72    | 1663200 | 7893, 9129, 9223 (3), 9595 (4)                               | 681, 3266, 3947, 3950, 3951  |
| 5861                                | $A_4 : S_3$             | 72    | 3326400 | 7894, 9112 (6), 9229 (3), 9130 (3), 9596 (4)                 | 682, 2694 (2), 3949  |
| 5862                                | $2 \times 6 : S_3$      | 72    | 3326400 | 7894, 9131, 9231 (3), 9571 (4)                               | 683, 1040, 3949  |
| 5863                                | $3 : S_3 \cdot 2 : 2$   | 72    | 831600  | 7895, 7896, 7922, 10435 (9)                                  | 976 (2), 3146 (2), 3220 (2), 3953, 3954, 3955, 4030, 4280, 4345, 4347                          |
| 5864                                | $3 : S_3 \cdot 2 : 2$   | 72    | 138600  | 7895, 7908, 7974, 10436 (9)                                  | 977 (2), 3148 (4), 3209 (4), 3954 (6), 3958 (3), 4031, 4256 (6), 4357 (3)                      |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups                              | Minimal Overgroups  |
| 5865                                | $D_{12} \times S_3$        | 72    | 831600  | 7979, 7907 (2), 7895, 7906 (2), 7901, 9157 (6) | 978 (2), 3147 (2), 3242 (2), 3954, 3955, 3957, 4032, 4259, 4346, 4352                             |
| 5866                                | $D_{12} \times S_3$        | 72    | 415800  | 7914 (2), 7897, 7966, 7913 (2), 7895, 9158 (6) | 980 (2), 3953, 3956, 3957, 3958, 3959, 3960, 3961, 4033, 4300, 4349, 4350, 4356, 4358, 4359, 4362 |
| 5867                                | $3 : S_3 \cdot 2 : 2$      | 72    | 415800  | 7895, 7900, 7973, 10437 (9)                    | 981 (2), 3955 (2), 3958, 3961 (2), 4034, 4348 (2), 4354, 4361 (2)                                 |
| 5868                                | $3 : S_3 \cdot 2 : 2$      | 72    | 415800  | 7897, 7896, 7922, 10438 (9)                    | 982 (4), 3953 (2), 3962, 3978 (2), 4033, 4324 (2), 4353, 4360 (2)                                 |
| 5869                                | $3 : S_3 \cdot 2 : 2$      | 72    | 415800  | 7901, 7896, 7974, 10439 (9)                    | 983 (4), 2421 (4), 3151 (4), 3228 (4), 3954 (2), 3962, 3979 (2), 4047, 4278 (2), 4326 (2), 4357   |
| 5870                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800  | 7900, 7979, 7896, 10440 (9)                    | 984 (4), 3955 (2), 3962, 3980 (2), 4108, 4332 (2), 4354, 4392 (2)                                 |
| 5871                                | $3 : S_3 \cdot 2 : 2$      | 72    | 1108800 | 7898, 7899, 7993, 10441 (9)                    | 985 (3), 3255, 3256, 3971 (3)   |
| 5872                                | $3 : S_3 \cdot 2 : 2$      | 72    | 138600  | 7897, 7900, 7974, 10442 (9)                    | 986 (6), 3210 (4), 3231 (4), 3958 (3), 3962 (3), 3976 (6), 4078, 4278 (6)                         |
| 5873                                | $D_{12} \times S_3$        | 72    | 415800  | 7979, 7903 (2), 7901, 7902 (2), 7897, 9184 (6) | 987 (4), 3957 (2), 3962, 3978 (2), 4110, 4334 (2), 4356, 4392 (2)                                 |
| 5874                                | $3 : S_3 \cdot 2 : 2$      | 72    | 415800  | 7901, 7900, 7922, 10443 (9)                    | 988 (4), 3955 (2), 3962, 3977 (2), 4034, 4338 (2), 4355, 4360 (2)                                 |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups                            | Minimal Overgroups   |
| 5875                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 1663200 | 7910 (2), 8014, 10444 (9)                    | 1013, 1401 (2), 1579, 3930, 3963, 3964   |
| 5876                                | $3 : S_3 \cdot 2 : 2$      | 72    | 831600  | 7901, 7908, 7922, 10445 (9)                  | 1024 (2), 3149 (2), 3234 (2), 3954, 3977, 3978, 4032, 4257, 4347, 4351                                       |
| 5877                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 831600  | 7896, 7908, 7979, 10446 (9)                  | 1025 (2), 3150 (2), 3225 (2), 3954, 3978, 3980, 4046, 4280, 4352, 4385                                       |
| 5878                                | $A_4 \times S_3$           | 72    | 554400  | 8009, 9326, 9332 (3), 9569 (4)               | 1027 (2), 3152, 3965 (3), 4302 (3), 4318   |
| 5879                                | $2 \times 6 \times S_3$    | 72    | 277200  | 7914 (3), 7915 (3), 7999, 9326, 9327 (3)     | 1029 (2), 3152, 3956, 3966 (3), 3968 (3), 4253 (3), 4301 (3), 4314, 4317                                     |
| 5880                                | $2 \times 6 : S_3$         | 72    | 1663200 | 8009, 9379, 9380 (3), 9570 (4)               | 1032 (2), 3153, 3965, 4307, 4316   |
| 5881                                | $2 \times 6 : S_3$         | 72    | 831600  | 7999, 7916, 7917, 9353, 9380 (3)             | 1036 (2), 3153, 3966, 3968, 3969, 4254, 4308, 4313, 4315   |
| 5882                                | $D_{12} \times S_3$        | 72    | 1663200 | 7909 (2), 7918 (2), 8014, 7898 (2), 9138 (6) | 1047, 3252 (2), 3930, 3971, 3972   |
| 5883                                | $S_3 \times S_3 : 2$       | 72    | 3326400 | 7910, 7909, 8013, 10447 (9)                  | 1048, 1403, 1580, 3930   |
| 5884                                | $D_{12} \times S_3$        | 72    | 415800  | 7897 (2), 7911 (2), 7966, 7915 (2), 9139 (6) | 1049 (2), 3174 (4), 3929, 3956, 3974, 3976, 3981, 3982, 3985, 4075, 4119, 4133, 4260, 4266, 4324, 4333, 4334 |
| 5885                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800  | 7912 (2), 7966, 10448 (9)                    | 1050 (2), 1555 (2), 3929, 3959, 3967, 3973, 3975, 3989, 3991, 4042, 4128, 4129, 4130, 4291, 4325, 4335, 4336 |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5886                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800  | 7900 (2), 7966, 10449 (9)                                    | 1051 (2), 3176 (4), 3932, 3961, 3970, 3975, 3976, 3987, 3990, 4076, 4120, 4132, 4258, 4268, 4331, 4332, 4338 |
| 5887                                | $Q_{12} : S_3$             | 72    | 415800  | 7917 (2), 7966, 9152 (6)                                     | 1052 (2), 1564 (2), 3932, 3960, 3969, 3973, 3974, 3986, 3988, 4043, 4121, 4131, 4134, 4306, 4329, 4330, 4337 |
| 5888                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 1663200 | 7899 (2), 8014, 10450 (9)                                    | 1053, 3258 (2), 3931, 3963, 3971   |
| 5889                                | $Q_{12} : S_3$             | 72    | 1663200 | 7919 (2), 8014, 9149 (6)                                     | 1054, 1577, 3931, 3964, 3972   |
| 5890                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800  | 7896 (2), 7966, 10451 (9)                                    | 1055 (2), 3953, 3967, 3979, 3980, 3981, 3986, 3987, 4077, 4345, 4378, 4379, 4380, 4381, 4384, 4385           |
| 5891                                | $3 : S_3 \cdot 2 : 2$      | 72    | 831600  | 7901, 7896, 7973, 10452 (9)                                  | 1056 (2), 3955, 3978, 3979, 4109, 4347, 4352, 4380   |
| 5892                                | $D_{12} \times S_3$        | 72    | 831600  | 7913 (2), 8001, 7915, 7911 (2), 7914, 9385 (3), 9384 (3)     | 1057 (2), 3956, 3983, 3984, 4299, 4399, 4417, 4418   |
| 5893                                | $D_{12} \times S_3$        | 72    | 1663200 | 7902, 7903, 7907, 7906, 7920, 7913, 8002, 9387 (3), 9386 (3) | 1058 (2), 3957, 4415, 4423   |
| 5894                                | $D_{12} \times S_3$        | 72    | 415800  | 7901 (2), 7920 (2), 7916 (2), 7966, 9182 (6)                 | 1060 (2), 3957, 3969, 3977, 3979, 3982, 3990, 3991, 4109, 4271, 4346, 4351, 4382, 4391, 4397, 4398           |

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| Nr.                                 | Structure                  | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 5895                                | $2 \times 6 \times S_3$    | 72    | 831600 | 7902 (2), 7907 (2),<br>7916, 7914, 8003,<br>9328, 9329 (3)     | 1061 (2), 3957, 3968,<br>3983, 4319, 4406,<br>4415, 4416  |
| 5896                                | $D_{12} \times S_3$        | 72    | 831600 | 7903 (2), 7906 (2),<br>7916, 7914, 8004,<br>9389 (3), 9388 (3) | 1062 (2), 3957, 3966,<br>3984, 4311, 4402,<br>4423, 4424  |
| 5897                                | $3 : S_3 \cdot 2 : 2$      | 72    | 415800 | 7897, 7908, 7973,<br>10453 (9)                                 | 1064 (2), 3958, 3978<br>(2), 3985 (2), 4110,<br>4350 (2), 4353, 4394<br>(2)                                       |
| 5898                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800 | 7900, 7966, 7908,<br>10454 (9)                                 | 1065 (2), 3958, 3970,<br>3977, 3980, 3985,<br>3988, 3989, 4108,<br>4303, 4348, 4355,<br>4383, 4393, 4395,<br>4396 |
| 5899                                | $12 \times S_3$            | 72    | 831600 | 7969, 7914, 7917,<br>9330, 9331 (3)                            | 1067 (2), 3960, 3968,<br>3984, 4321, 4404,<br>4412, 4413  |
| 5900                                | $D_{12} \cdot S_3$         | 72    | 831600 | 7967, 7914, 7917,<br>9391 (3), 9390 (3)                        | 1069 (2), 3960, 3966,<br>3983, 4310, 4403,<br>4420, 4421  |
| 5901                                | $3 : S_3 \cdot 2 : 2$      | 72    | 831600 | 7897, 7900, 7973,<br>10455 (9)                                 | 1071 (2), 3232 (2),<br>3233 (2), 3961, 3976,<br>3985, 4079, 4279,<br>4360, 4392                                   |
| 5902                                | $D_{12} : S_3$             | 72    | 831600 | 7967, 7916, 7915,<br>9394 (3), 9393 (3)                        | 1078 (2), 3966, 3982,<br>3983, 4272, 4401,<br>4410, 4422  |
| 5903                                | $D_{12} : S_3$             | 72    | 831600 | 7915, 8004, 7917,<br>9221 (3), 9220 (3)                        | 1079 (2), 1569 (2),<br>3966, 3974, 3984,<br>4122, 4136, 4312,<br>4419   |
| 5904                                | $2 \times 6 : S_3$         | 72    | 831600 | 7917, 8003, 7915,<br>9205, 9219 (3)                            | 1081 (2), 1573 (2),<br>3968, 3974, 3983,<br>4123, 4135, 4322,<br>4411   |
| 5905                                | $12 : S_3$                 | 72    | 831600 | 7969, 7916, 7915,<br>9362, 9395 (3)                            | 1082 (2), 3968, 3982,<br>3984, 4277, 4405,<br>4409, 4414  |
| 5906                                | $D_{12} : S_3$             | 72    | 831600 | 8001, 7916, 7917,<br>9399 (3), 9398 (3)                        | 1088 (2), 3969, 3983,<br>3984, 4304, 4400,<br>4425, 4426  |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups                            | Minimal Overgroups   |
| 5907                                | $3 : S_3 \cdot 2 : 2$     | 72    | 3326400 | 7898, 7899, 8026, 10456 (9)                  | 1093, 3253, 3254, 3971   |
| 5908                                | $Q_{12} : S_3$            | 72    | 3326400 | 7919, 8024, 7918, 9111 (3), 9229 (3)         | 1094, 1547, 3972   |
| 5909                                | $2 \times 6 : S_3$        | 72    | 3326400 | 7919, 8022, 7918, 9230, 9231 (3)             | 1095, 1549, 3972   |
| 5910                                | $3 : S_3 \cdot 2 : 2$     | 72    | 1663200 | 7920, 7912, 8006, 10457 (9)                  | 1096 (2), 3991, 4427, 4428   |
| 5911                                | $2 \times 6 : S_3$        | 72    | 277200  | 7965, 9135, 9344 (3), 9575 (4)               | 1098, 2369 (3), 2551 (3), 3145 (3), 3155, 3938, 3993 (3), 3996 (3), 4000, 4001, 4003 (3), 4005 (3)                     |
| 5912                                | $2 \times 6 : S_3$        | 72    | 277200  | 7964, 9136, 9344 (3), 9574 (4)               | 1098, 1817 (6), 2550 (3), 3154, 3992, 3994 (3), 3995 (3), 3999, 4002, 4004 (3), 4006 (3)                               |
| 5913                                | $2 \times 6 : S_3$        | 72    | 277200  | 7962, 9135, 9343 (3), 9573 (4)               | 1112, 2553 (3), 3155, 3998 (3), 4007, 4009, 4012, 4013 (3), 4016 (3), 4017 (3)   |
| 5914                                | $2 \times 6 : S_3$        | 72    | 277200  | 7972, 9136, 9343 (3), 9576 (4)               | 1112, 2552 (3), 3154, 3997 (3), 4008, 4010, 4011, 4014 (3), 4015 (3), 4018 (3)   |
| 5915                                | $M_9$                     | 72    | 184800  | 7950 (3), 10458 (9)                          | 1400 (9), 3144, 3248, 3249 (2), 3936 (9), 4019 (3), 4020 (3)   |
| 5916                                | $M_9$                     | 72    | 1108800 | 7921 (3), 10459 (9)                          | 1402 (3), 1530, 3191, 3937 (3)   |
| 5917                                | $3 : S_3 \cdot 2 \cdot 2$ | 72    | 3326400 | 7921, 10460 (9)                              | 1404, 1575, 3937   |
| 5918                                | $S_3 \times S_3 : 2$      | 72    | 3326400 | 7921, 8049 (2), 10461 (9)                    | 1405, 1574, 3937   |
| 5919                                | $D_{12} \times S_3$       | 72    | 415800  | 7924 (2), 7966, 7922 (2), 7923 (2), 9144 (6) | 1407 (4), 2506 (4), 3157 (4), 3928, 3929, 3932, 3933, 3953, 3977, 4021, 4022, 4023, 4030, 4114, 4124, 4177, 4180, 4257 |

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| Nr.                                 | Structure               | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 5920                                | $D_{12} \times S_3$     | 72    | 138600 | 7974, 7922, 7936 (2),<br>7934 (2), 7979, 9145<br>(6)           | 1408 (2), 2507 (8),<br>3159 (4), 3206 (4),<br>3954 (6), 3962 (3),<br>4022 (6), 4026 (3),<br>4031                  |
| 5921                                | $D_{12} \times S_3$     | 72    | 831600 | 7938 (2), 7979, 7922,<br>7939 (2), 7973, 9146<br>(6)           | 1409 (2), 2508 (4),<br>3158 (2), 3207 (2),<br>3955, 3978, 4022,<br>4023, 4025, 4032,<br>4280                      |
| 5922                                | $D_{12} \times S_3$     | 72    | 415800 | 7922, 7966, 7951 (2),<br>7952 (2), 8050, 9147<br>(6)           | 1410 (2), 4021, 4024,<br>4025, 4026, 4027,<br>4028, 4029, 4033,<br>4324, 4325, 4337,<br>4338, 4345, 4351,<br>4355 |
| 5923                                | $D_{12} \times S_3$     | 72    | 415800 | 7954 (2), 8053, 7922,<br>7953 (2), 7973, 9148<br>(6)           | 1411 (2), 4023 (2),<br>4026, 4029 (2), 4034,<br>4347 (2), 4353, 4360<br>(2)                                       |
| 5924                                | $S_3 \times S_3 : 2$    | 72    | 138600 | 7930, 7895, 7922,<br>10462 (9)                                 | 1415, 3156 (4), 3160<br>(4), 4030 (6), 4031,<br>4032 (6), 4033 (3),<br>4034 (3)                                   |
| 5925                                | $2 \times 6 \times S_3$ | 72    | 277200 | 7951 (3), 8045, 7923<br>(3), 9144, 9443 (3)                    | 1416 (3), 3263, 4021,<br>4035, 4036, 4073 (3),<br>4091 (3), 4096 (3),<br>4099 (3)                                 |
| 5926                                | $D_{12} \times S_3$     | 72    | 831600 | 7924 (2), 7952 (2),<br>7923, 7951, 8069,<br>9174 (3), 9147 (3) | 1417 (2), 1422, 4021,<br>4037, 4038, 4074,<br>4090, 4097, 4098  |
| 5927                                | $D_{12} \times S_3$     | 72    | 831600 | 7938 (2), 8004, 7923,<br>7968, 7934 (2), 9146<br>(3), 9350 (3) | 1418 (2), 2537 (2),<br>2579 (2), 3158 (4),<br>4022, 4035, 4038,<br>4115, 4125, 4193,<br>4195                      |
| 5928                                | $2 \times 6 \times S_3$ | 72    | 831600 | 7939 (2), 8003, 7923,<br>7936 (2), 7968, 9145,<br>9360 (3)     | 1419 (2), 2539 (2),<br>2580 (2), 3159 (4),<br>4022, 4036, 4037,<br>4116, 4126, 4194,<br>4196                      |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5929                                | $D_{12} \times S_3$     | 72    | 831600  | 8070, 7953 (2), 7923, 7938 (2), 8071, 9448 (3), 9148 (3)     | 1420 (2), 4023, 4035, 4037, 4247, 4370, 4372, 4386                     |
| 5930                                | $2 \times 6 \times S_3$ | 72    | 831600  | 8071, 7939 (2), 7923, 7954 (2), 8072, 9146, 9424 (3)         | 1421 (2), 4023, 4036, 4038, 4248, 4371, 4376, 4387                     |
| 5931                                | $D_{12} \times S_3$     | 72    | 3326400 | 7942, 7931, 7925, 7890, 7932, 7987, 7927, 9155 (3), 9171 (3) | 1426, 1427, 2533, 2545, 3167, 3175, 4040                               |
| 5932                                | $D_{12} \times S_3$     | 72    | 3326400 | 7937, 7945, 7935, 7928, 8019, 8020, 7925, 9164 (3), 9172 (3) | 1428, 1429, 2540, 2549, 3172, 3178, 4040                               |
| 5933                                | $D_{12} \times S_3$     | 72    | 1663200 | 8002, 7934, 7936, 7924, 7975, 7938, 7939, 9165 (3), 9163 (3) | 1430, 1431, 2541 (2), 2543 (2), 3171 (2), 3173 (2), 4022, 4037, 4038   |
| 5934                                | $D_{12} \times S_3$     | 72    | 3326400 | 7925, 8016, 7933, 7947, 7929, 8015, 7940, 9165 (3), 9162 (3) | 1432, 1433, 2542, 2547, 2586 (2), 3170, 3173, 4040                     |
| 5935                                | $D_{12} \times S_3$     | 72    | 1663200 | 7946 (2), 7926, 8013, 7941 (2), 8014, 9139 (6)               | 1434 (2), 2544 (2), 3174 (2), 3930, 3931, 4041                         |
| 5936                                | $D_{12} \times S_3$     | 72    | 3326400 | 7926, 7944, 7943, 8018, 8017, 7949, 7948, 9173 (3), 9164 (3) | 1435, 1436, 2546, 2548, 3172, 3179, 4041                               |
| 5937                                | $D_{12} \times S_3$     | 72    | 831600  | 7924, 8073, 7939 (2), 7953 (2), 8074, 9180 (6)               | 1437 (2), 3934 (2), 4023, 4037 (2)                                     |
| 5938                                | $D_{12} \times S_3$     | 72    | 831600  | 7938 (2), 7954 (2), 8074, 8075, 7924, 9181 (6)               | 1438 (2), 3935 (2), 4023, 4038 (2)                                     |
| 5939                                | $2 \times 6 \times S_3$ | 72    | 3326400 | 7929, 7927, 7961, 7958, 7960, 7928, 7959, 9154, 9239 (3)     | 1439, 1815 (2), 2557, 2599, 3182, 3217, 4040                           |
| 5940                                | $S_3 \times S_3 : 2$    | 72    | 9240    | 7930, 7976, 7974, 10463 (9)                                  | 1440, 2372 (36), 3164 (20), 3185 (20), 4031 (15), 4047 (45), 4078 (15) |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5941                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 138600  | 7979, 7908, 7930, 10464 (9)                                  | 1441, 3163 (4), 3166 (4), 4031, 4032 (6), 4046 (6), 4108 (3), 4110 (3)   |
| 5942                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800  | 7896, 7930, 7966, 10465 (9)                                  | 1442, 2370 (4), 3161 (4), 3162 (4), 4030, 4033, 4042, 4043, 4045, 4046, 4047, 4048, 4049, 4050, 4075, 4076, 4077, 4108, 4109 |
| 5943                                | $S_3 \times S_3 : 2$       | 72    | 415800  | 7930, 7901, 7973, 10466 (9)                                  | 1443, 2371 (4), 3165 (4), 3188 (4), 4032 (2), 4034, 4047, 4050 (2), 4079 (2), 4109 (2), 4110                                 |
| 5944                                | $D_{12} \times S_3$        | 72    | 1108800 | 7990, 7931, 7933, 7995, 7935, 7997, 7958, 9156 (3), 9346 (3) | 1445, 2534, 2593 (3), 3169, 3213, 4040 (3)   |
| 5945                                | $D_{12} \times S_3$        | 72    | 3326400 | 7940, 8011, 7931, 7959, 7991, 8012, 7937, 9412 (3), 9157 (3) | 1446, 2535, 2594, 3168, 3242, 4040   |
| 5946                                | $D_{12} \times S_3$        | 72    | 3326400 | 7933, 8007, 7932, 7960, 7989, 8008, 7937, 9157 (3), 9315 (3) | 1449, 2536, 2595, 2684 (2), 3147, 3168, 4040   |
| 5947                                | $2 \times 6 \times S_3$    | 72    | 3326400 | 7932, 7961, 7940, 7891, 7992, 7988, 7935, 9156, 9413 (3)     | 1450, 2538, 2596, 3169, 3240, 4040   |
| 5948                                | $A_4 \times S_3$           | 72    | 831600  | 7962, 9160, 9277 (3), 9574 (4)                               | 1451, 2375 (2), 2550, 2636 (4), 2704 (2), 3194, 3998, 4051, 4052, 4054, 4056, 4063, 4065                                     |
| 5949                                | $A_4 \times S_3$           | 72    | 277200  | 7965, 9161, 9277 (3), 9575 (4)                               | 1452, 2373 (3), 2551 (3), 3190, 3194 (3), 3938, 3996 (3), 4039 (3), 4053, 4055, 4064 (3), 4066 (3)                           |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 5950                                | $A_4 \times S_3$           | 72    | 831600  | 7972, 9175, 9278 (3),<br>9576 (4)                                     | 1456, 2376 (2), 2552,<br>3193, 3997, 4058,<br>4059, 4062, 4068,<br>4070, 4072   |
| 5951                                | $A_4 \times S_3$           | 72    | 831600  | 7964, 9174, 9278 (3),<br>9573 (4)                                     | 1457, 2374 (2), 2553,<br>3193, 3995, 4057,<br>4060, 4061, 4067,<br>4069, 4071   |
| 5952                                | $D_{12} \times S_3$        | 72    | 1108800 | 7941, 7996, 7943,<br>7998, 7993, 7994,<br>7944, 9176 (3), 9345<br>(3) | 1458, 2554, 2597 (3),<br>3183, 3214, 4041 (3)                                   |
| 5953                                | $D_{12} \times S_3$        | 72    | 1108800 | 7992, 7942, 7929,<br>7990, 7945, 7989,<br>7991, 9154 (3), 9334<br>(3) | 1459, 2555, 2598 (3),<br>3182, 3208, 4040 (3)                                   |
| 5954                                | $2 \times 6 \times S_3$    | 72    | 3326400 | 7994, 7946, 7949,<br>8021, 7943, 8023,<br>8022, 9176, 9414 (3)        | 1460, 2556, 2600,<br>3183, 3245, 4041   |
| 5955                                | $D_{12} \times S_3$        | 72    | 3326400 | 8012, 7945, 7988,<br>7927, 7995, 8008,<br>7947, 9375 (3), 9178<br>(3) | 1461, 2558, 2601,<br>3181, 3215, 4040   |
| 5956                                | $D_{12} \times S_3$        | 72    | 3326400 | 7996, 7946, 7944,<br>8024, 7948, 8025,<br>8021, 9415 (3), 9177<br>(3) | 1462, 2559, 2602,<br>3180, 3246, 4041   |
| 5957                                | $D_{12} \times S_3$        | 72    | 3326400 | 7997, 8011, 7891,<br>8007, 7947, 7942,<br>7928, 9417 (3), 9178<br>(3) | 1463, 2560, 2604,<br>3181, 3216, 4040   |
| 5958                                | $D_{12} \times S_3$        | 72    | 3326400 | 7998, 7948, 7949,<br>8026, 7941, 8025,<br>8023, 9177 (3), 9416<br>(3) | 1464, 2561, 2603,<br>3180, 3247, 4041   |
| 5959                                | $S_3 \times S_3 : 2$       | 72    | 138600  | 7930, 7897, 8050,<br>10467 (9)  | 1469, 3184 (4), 3187<br>(4), 4033 (3), 4075<br>(6), 4078, 4079 (6),<br>4110 (3) |
| 5960                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 138600  | 7930, 7900, 8053,<br>10468 (9)  | 1470, 3186 (4), 3189<br>(4), 4034 (3), 4076<br>(6), 4078, 4079 (6),<br>4108 (3) |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 5961                                | $2 \times 6 \times S_3$    | 72    | 277200  | 7951 (3), 8040 (3),<br>7999, 9161, 9286 (3)                           | 1471, 3190, 4024,<br>4073 (3), 4074 (3),<br>4080 (3), 4082, 4083,<br>4085 (3) |
| 5962                                | $A_4 \times S_3$           | 72    | 554400  | 8000, 9161, 9287 (3),<br>9573 (4)                                     | 1472, 3190, 4044 (3),<br>4081 (3), 4084                                       |
| 5963                                | $3 : S_3 \cdot 2 \cdot 2$  | 72    | 1663200 | 7950, 10425 (9)   | 1473, 3271, 3936,<br>4086, 4089   |
| 5964                                | $S_3 \times S_3 : 2$       | 72    | 1663200 | 7950, 8046 (2), 10469<br>(9)  | 1474, 3270, 3936,<br>4087, 4088   |
| 5965                                | $3 : S_3 \cdot 2 \cdot 2$  | 72    | 554400  | 7950, 10470 (9)   | 1475 (3), 3275, 4019,<br>4086 (3), 4088 (3)                                   |
| 5966                                | $S_3 \times S_3 : 2$       | 72    | 554400  | 7950, 8047 (2), 10471<br>(9)  | 1476 (3), 3274, 4019,<br>4087 (3), 4089 (3)                                   |
| 5967                                | $M_9$                      | 72    | 1663200 | 8067 (2), 7950, 10430<br>(9)  | 1477, 3273, 4020,<br>4088, 4089   |
| 5968                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 1663200 | 8067, 8048, 7950,<br>10472 (9)  | 1478, 3272, 4020,<br>4086, 4087   |
| 5969                                | $D_{12} \times S_3$        | 72    | 831600  | 7951, 8058 (2), 7952<br>(2), 8001, 8040, 9453<br>(3), 9171 (3)        | 1479, 4024, 4090,<br>4091, 4092, 4093,<br>4094, 4095                          |
| 5970                                | $D_{12} \times S_3$        | 72    | 1663200 | 7952, 8076, 7939,<br>8074, 8002, 8077,<br>7938, 9454 (3), 9183<br>(3) | 1480, 4025, 4037,<br>4038   |
| 5971                                | $2 \times 6 \times S_3$    | 72    | 831600  | 7939 (2), 8071, 8003,<br>8076 (2), 7951, 9163,<br>9291 (3)            | 1481, 4025, 4036,<br>4037, 4085, 4092,<br>4105, 4106                          |
| 5972                                | $D_{12} \times S_3$        | 72    | 831600  | 7938 (2), 8077 (2),<br>8004, 8071, 7951,<br>9181 (3), 9455 (3)        | 1482, 4025, 4035,<br>4038, 4080, 4093,<br>4104, 4107                          |
| 5973                                | $D_{12} \times S_3$        | 72    | 831600  | 8076, 8051, 7936,<br>7953, 7975, 7952,<br>8073, 9154 (3), 9311<br>(3) | 1483, 4026, 4037 (2),<br>4095 (2)   |
| 5974                                | $D_{12} \times S_3$        | 72    | 831600  | 7975, 8075, 7934,<br>7954, 8077, 7952,<br>8052, 9312 (3), 9183<br>(3) | 1484, 4026, 4038 (2),<br>4094 (2)   |
| 5975                                | $D_{12} \times S_3$        | 72    | 831600  | 8051, 8070, 7934,<br>7951, 8077, 7953,<br>7968, 9294 (3), 9180<br>(3) | 1485, 4026, 4035,<br>4037, 4082, 4094,<br>4101, 4102                          |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 5976                                | $2 \times 6 \times S_3$ | 72    | 831600  | 8072, 8052, 7936, 7951, 7968, 7954, 8076, 9165, 9291 (3)     | 1486, 4026, 4036, 4038, 4083, 4095, 4100, 4103   |
| 5977                                | $D_{12} \cdot S_3$      | 72    | 831600  | 7951, 7963, 7956, 9268 (3), 9150 (3)                         | 1487, 4027, 4074, 4091, 4100, 4102, 4106, 4107   |
| 5978                                | $12 \times S_3$         | 72    | 831600  | 7955, 7951, 7963, 9167, 9271 (3)                             | 1488, 4027, 4073, 4090, 4101, 4103, 4104, 4105   |
| 5979                                | $12 \times S_3$         | 72    | 831600  | 7969, 7951, 7957, 9168, 9295 (3)                             | 1489, 4028, 4085, 4093, 4098, 4099, 4102, 4103   |
| 5980                                | $D_{12} \cdot S_3$      | 72    | 831600  | 7967, 7951, 7957, 9292 (3), 9153 (3)                         | 1490, 4028, 4080, 4092, 4096, 4097, 4100, 4101   |
| 5981                                | $2 \times 6 \times S_3$ | 72    | 831600  | 7951, 8060 (2), 7954 (2), 8042, 8005, 9170, 9460 (3)         | 1491, 4029, 4083, 4094, 4097, 4099, 4105, 4107   |
| 5982                                | $D_{12} \times S_3$     | 72    | 1663200 | 7953, 8061, 7952, 8060, 8006, 8059, 7954, 9178 (3), 9459 (3) | 1492, 4029, 4094, 4095   |
| 5983                                | $D_{12} \times S_3$     | 72    | 831600  | 7951, 8059 (2), 7953 (2), 8005, 8041, 9300 (3), 9172 (3)     | 1493, 4029, 4082, 4095, 4096, 4098, 4104, 4106   |
| 5984                                | $Q_8 : 3^2$             | 72    | 1663200 | 9228 (2), 9185, 9227, 9578 (4)                               | 1515, 2714, 2716, 4111, 4112, 4113   |
| 5985                                | $12 : S_3$              | 72    | 831600  | 8040, 7923, 7955, 9191, 9192 (3)                             | 1520 (2), 4073, 4090, 4114, 4115, 4116, 4370, 4371   |
| 5986                                | $12 : S_3$              | 72    | 415800  | 7955, 7956, 7966, 9150 (6), 9151 (6)                         | 1521 (2), 4027, 4042, 4114, 4117, 4118, 4119, 4120, 4121, 4249, 4342, 4343, 4358, 4378, 4395, 4397 |
| 5987                                | $12 : S_3$              | 72    | 415800  | 8004, 8041, 7955, 9195 (6), 9201 (6)                         | 1522 (2), 4104 (2), 4115 (2), 4118, 4122 (2), 4250, 4390, 4402 (2)                                 |

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| Nr.                                 | Structure          | Order | Length | Maximal Subgroups                    | Minimal Overgroups   |
| 5988                                | $12 \times S_3$    | 72    | 831600 | 7968, 7955, 7957, 9193, 9196 (3)     | 1523 (2), 4101, 4103, 4115, 4116, 4117, 4251, 4388   |
| 5989                                | $D_8 \times 3^2$   | 72    | 415800 | 8042, 7955, 8003, 9194 (2), 9198 (2) | 1524 (2), 4105 (2), 4116 (2), 4118, 4123 (2), 4252, 4389, 4406 (2)                                 |
| 5990                                | $12 : S_3$         | 72    | 831600 | 8043, 7955, 7915, 9197, 9200 (3)     | 1525 (2), 4119, 4122, 4123, 4253, 4399, 4401, 4405   |
| 5991                                | $12 \times S_3$    | 72    | 831600 | 7917, 7971, 7955, 9199, 9202 (3)     | 1526 (2), 4121, 4122, 4123, 4254, 4400, 4403, 4404   |
| 5992                                | $D_{12} : S_3$     | 72    | 831600 | 7956, 7923, 8040, 9208 (3), 9186 (3) | 1536 (2), 4074, 4091, 4114, 4125, 4126, 4372, 4376   |
| 5993                                | $D_{12} : S_3$     | 72    | 831600 | 8041, 7923, 7957, 9188 (3), 9222 (3) | 1537 (2), 4096, 4098, 4115, 4124, 4126, 4247, 4387   |
| 5994                                | $2 \times 6 : S_3$ | 72    | 831600 | 7957, 7923, 8042, 9206, 9223 (3)     | 1544 (2), 4097, 4099, 4116, 4124, 4125, 4248, 4386   |
| 5995                                | $D_{12} : S_3$     | 72    | 831600 | 8004, 8040, 7957, 9218 (3), 9217 (3) | 1551 (2), 4080, 4093, 4115, 4125, 4127, 4289, 4377   |
| 5996                                | $2 \times 6 : S_3$ | 72    | 831600 | 8040, 8003, 7957, 9204, 9187 (3)     | 1554 (2), 4085, 4092, 4116, 4126, 4127, 4290, 4374   |
| 5997                                | $Q_{12} : S_3$     | 72    | 415800 | 7966, 7957 (2), 9153 (6)             | 1556 (2), 4028, 4043, 4117, 4124, 4127, 4129, 4132, 4133, 4282, 4292, 4341, 4359, 4382, 4384, 4396 |
| 5998                                | $D_{12} \cdot S_3$ | 72    | 831600 | 7968, 7957, 7956, 9189 (3), 9213 (3) | 1558 (2), 4100, 4102, 4117, 4125, 4126, 4284, 4293   |
| 5999                                | $2 \times 6 : S_3$ | 72    | 415800 | 8041, 7956, 8003, 9216 (6), 9190 (6) | 1560 (2), 4106 (2), 4118, 4126 (2), 4135 (2), 4285, 4297, 4416 (2)                                 |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                    | Minimal Overgroups  |
| 6000                                | $2 \times 6 : S_3$      | 72    | 415800  | 8004, 7956, 8042, 9215 (6), 9214 (6) | 1561 (2), 4107 (2), 4118, 4125 (2), 4136 (2), 4288, 4294, 4424 (2)  |
| 6001                                | $D_{12} : S_3$          | 72    | 831600  | 8043, 7956, 7915, 9210 (3), 9209 (3) | 1562 (2), 4119, 4135, 4136, 4299, 4301, 4414, 4422  |
| 6002                                | $Q_{12} \times S_3$     | 72    | 831600  | 7917, 7971, 7956, 9212 (3), 9211 (3) | 1565 (2), 4121, 4135, 4136, 4304, 4308, 4412, 4420  |
| 6003                                | $D_{12} : S_3$          | 72    | 831600  | 8041, 8043, 7917, 9226 (3), 9224 (3) | 1568 (2), 4122, 4134, 4135, 4310, 4313, 4413, 4426  |
| 6004                                | $2 \times 6 : S_3$      | 72    | 831600  | 8042, 8043, 7917, 9207, 9225 (3)     | 1570 (2), 4123, 4134, 4136, 4315, 4321, 4421, 4425  |
| 6005                                | $S_3 \times S_3 : 2$    | 72    | 1663200 | 7912, 8062, 8058, 10461 (9)          | 1574 (2), 4128, 4427, 4428  |
| 6006                                | $2 \times 6 : S_3$      | 72    | 831600  | 7962, 9252, 9240 (3), 9577 (4)       | 1814 (4), 2377 (2), 2655, 3201, 3943, 4013, 4051, 4137, 4158, 4219, 4221  |
| 6007                                | $A_4 \times 3 \times 2$ | 72    | 831600  | 7962, 9254 (2), 9253, 9241, 9579 (4) | 1816 (4), 2378 (2), 2659, 3204, 3944, 4017, 4056, 4137, 4160, 4206, 4236  |
| 6008                                | $2 \times 6 : S_3$      | 72    | 1663200 | 8000, 9245, 9344 (3), 9574 (4)       | 1817, 2636 (2), 2703 (2), 3145, 4044, 4138, 4139  |
| 6009                                | $A_4 \times 3 \times 2$ | 72    | 1663200 | 8010, 9248 (2), 9246, 9247, 9578 (4) | 1818 (2), 2638, 2692, 2714, 4140, 4182, 4199  |
| 6010                                | $2 \times 6 : S_3$      | 72    | 1663200 | 8010, 9249, 9418 (3), 9597 (4)       | 1819 (2), 2637, 2691, 4141, 4182, 4197  |
| 6011                                | $2 \times 6 : S_3$      | 72    | 277200  | 7962, 9251, 9250 (3), 9581 (4)       | 1820 (12), 2379 (2), 2647 (3), 2667 (4), 2706 (6), 3199, 4009, 4054 (3), 4137 (3), 4156, 4183, 4184 (3), 4229 (3) |

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| Nr.                                 | Structure          | Order | Length | Maximal Subgroups                            | Minimal Overgroups   |
| 6012                                | $A_4 : S_3$        | 72    | 277200 | 7964, 9270 (3), 9119 (6), 9347 (3), 9598 (4) | 2381 (2), 2640 (3), 3192, 3992, 4057 (3), 4143, 4144 (3), 4192, 4204 (3), 4217 (3)                           |
| 6013                                | $Q_{12} : S_3$     | 72    | 415800 | 7963 (2), 7966, 9167 (6)                     | 2382 (4), 2512 (4), 3959, 3981, 3988, 3990, 4027, 4048, 4145, 4152, 4177, 4181, 4261, 4341, 4344, 4363, 4369 |
| 6014                                | $D_{12} \cdot S_3$ | 72    | 831600 | 7968, 7963, 7967, 9193 (3), 9267 (3)         | 2383 (4), 2641 (2), 2643 (2), 4100, 4101, 4145, 4193, 4196, 4262, 4375                                       |
| 6015                                | $12 \times S_3$    | 72    | 831600 | 7963, 7968, 7969, 9266, 9272 (3)             | 2384 (4), 2642 (2), 2644 (2), 4102, 4103, 4145, 4194, 4195, 4263, 4373                                       |
| 6016                                | $2 \times 6 : S_3$ | 72    | 831600 | 7964, 9270, 9192 (3), 9597 (4)               | 2385 (2), 2645, 3192, 3994, 4057, 4147, 4148, 4215, 4222, 4223   |
| 6017                                | $A_4 \times S_3$   | 72    | 277200 | 7964, 9350, 9276 (3), 9581 (4)               | 2386 (2), 2647 (3), 3198, 3999, 4060 (3), 4143, 4147 (3), 4187, 4210 (3), 4228 (3)                           |
| 6018                                | $A_4 \times S_3$   | 72    | 27720  | 7965, 9307, 9275 (3), 9587 (4)               | 2387 (5), 2420 (6), 2646 (5), 3197 (10), 3939, 4000 (10), 4055 (10), 4163 (15), 4173 (15)                    |
| 6019                                | $2 \times 6 : S_3$ | 72    | 277200 | 7964, 9274, 9351 (3), 9599 (4)               | 2388 (2), 2648 (3), 3200, 4002, 4061 (3), 4143, 4148 (3), 4189, 4208 (3), 4235 (3)                           |
| 6020                                | $2 \times 6 : S_3$ | 72    | 27720  | 7965, 9251, 9306 (3), 9587 (4)               | 2389 (5), 2419 (6), 2646 (5), 3199 (10), 3939, 4001 (10), 4053 (10), 4165 (15), 4172 (15)                    |

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| Nr.                                 | Structure                  | Order | Length | Maximal Subgroups                              | Minimal Overgroups   |
| 6021                                | $A_4 : S_3$                | 72    | 831600 | 7964, 9279 (3), 9126 (6), 9222 (3), 9600 (4)   | 2390 (2), 2651, 3195, 4004, 4061, 4144, 4147, 4209, 4220, 4237   |
| 6022                                | $2 \times 6 : S_3$         | 72    | 277200 | 7965, 9422 (6), 9354 (3), 9280 (3), 9601 (4)   | 2391 (3), 2652 (3), 3196 (3), 3261, 3940, 4000, 4003 (3), 4053, 4064 (3), 4169 (3), 4171 (3)                                     |
| 6023                                | $A_4 \times 3 \times 2$    | 72    | 277200 | 7965, 9425 (2), 9275, 9355, 9602 (4)           | 2392 (3), 2654 (3), 3197 (3), 3262, 3940, 4001, 4005 (3), 4055, 4066 (3), 4169 (3), 4170 (3)                                     |
| 6024                                | $A_4 \times 3 \times 2$    | 72    | 831600 | 7964, 9276, 9127 (2), 9424, 9582 (4)           | 2393 (2), 2653, 3198, 4006, 4060, 4144, 4148, 4205, 4218, 4226   |
| 6025                                | $D_{12} \times S_3$        | 72    | 415800 | 7974, 7975 (2), 7968 (2), 7966, 7973, 9165 (6) | 2394 (4), 2511 (4), 3170 (4), 3171 (4), 3958, 3973, 3976, 3979, 4022, 4026, 4047, 4117, 4145, 4151, 4179, 4255, 4256, 4264, 4326 |
| 6026                                | $12 : S_3$                 | 72    | 415800 | 7966, 7967, 7969, 9169 (6), 9168 (6)           | 2395 (4), 2513 (4), 3960, 3982, 3987, 3989, 4028, 4049, 4145, 4153, 4178, 4180, 4265, 4339, 4342, 4364, 4366                     |
| 6027                                | $Q_{12} : S_3$             | 72    | 415800 | 7970 (2), 7966, 9166 (6)                       | 2396 (4), 3928, 4048, 4151, 4153, 4266, 4267, 4325, 4327, 4329, 4331, 4358, 4368, 4379, 4396, 4398                               |
| 6028                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800 | 7977 (2), 7966, 10473 (9)                      | 2397 (4), 3933, 4049, 4151, 4152, 4268, 4269, 4328, 4333, 4335, 4337, 4359, 4367, 4381, 4391, 4395                               |

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| Nr.                                 | Structure           | Order | Length | Maximal Subgroups                              | Minimal Overgroups   |
| 6029                                | $D_{12} \times S_3$ | 72    | 415800 | 7966, 7978 (2), 7976, 7971 (2), 7901, 9164 (6) | 2398 (4), 3178 (4), 3179 (4), 4047, 4121, 4129, 4152, 4153, 4257, 4258, 4259, 4260, 4270, 4271, 4355, 4356, 4365, 4380 |
| 6030                                | $D_{12} \cdot S_3$  | 72    | 831600 | 7967, 7971, 7970, 9282 (3), 9283 (3)           | 2399 (4), 4153, 4272, 4274, 4403, 4408, 4410, 4420   |
| 6031                                | $12 \times S_3$     | 72    | 831600 | 7969, 7971, 7970, 9281, 9243 (3)               | 2400 (4), 4153, 4276, 4277, 4404, 4407, 4409, 4412   |
| 6032                                | $A_4 : S_3$         | 72    | 277200 | 7972, 9420 (6), 9284 (3), 9348 (3), 9603 (4)   | 2401 (2), 2649 (3), 3202, 4008, 4058 (3), 4155, 4161 (3), 4191, 4225 (3), 4246 (3)                                     |
| 6033                                | $A_4 : S_3$         | 72    | 277200 | 7962, 9419 (6), 9339 (3), 9252 (3), 9598 (4)   | 2402 (2), 2640 (3), 3201, 4007, 4051 (3), 4156, 4160 (3), 4185, 4203 (3), 4216 (3)                                     |
| 6034                                | $2 \times 6 : S_3$  | 72    | 277200 | 7972, 9274, 9352 (3), 9604 (4)                 | 2403 (2), 2650 (3), 3200, 4010, 4062 (3), 4155, 4157 (3), 4190, 4231 (3), 4239 (3)                                     |
| 6035                                | $A_4 \times S_3$    | 72    | 277200 | 7972, 9349, 9285 (3), 9604 (4)                 | 2404 (2), 2650 (3), 3203, 4011, 4059 (3), 4155, 4159 (3), 4188, 4230 (3), 4238 (3)                                     |
| 6036                                | $A_4 \times S_3$    | 72    | 277200 | 7962, 9340, 9253 (3), 9599 (4)                 | 2405 (2), 2648 (3), 3204, 4012, 4056 (3), 4156, 4158 (3), 4186, 4207 (3), 4234 (3)                                     |
| 6037                                | $2 \times 6 : S_3$  | 72    | 831600 | 7972, 9284, 9426 (3), 9605 (4)                 | 2406 (2), 2656, 3202, 4014, 4058, 4157, 4159, 4224, 4242, 4244   |
| 6038                                | $A_4 : S_3$         | 72    | 831600 | 7962, 9381 (3), 9382 (6), 9280 (3), 9606 (4)   | 2407 (2), 2657, 2664 (4), 2700 (2), 3196, 4016, 4054, 4158, 4160, 4198, 4200, 4227                                     |

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| Nr.                                 | Structure               | Order | Length | Maximal Subgroups                            | Minimal Overgroups   |
| 6039                                | $2 \times 6 : S_3$      | 72    | 831600 | 7972, 9121 (6), 9429 (3), 9279 (3), 9607 (4) | 2408 (2), 2658, 3195, 4015, 4062, 4159, 4161, 4233, 4243, 4245   |
| 6040                                | $A_4 \times 3 \times 2$ | 72    | 831600 | 7972, 9285, 9432 (2), 9433, 9608 (4)         | 2409 (2), 2660, 3203, 4018, 4059, 4157, 4161, 4232, 4240, 4241   |
| 6041                                | $A_4 \times 3 \times 2$ | 72    | 415800 | 7965, 9287 (2), 9277, 9286, 9583 (4)         | 2410 (2), 2412, 2766, 3190 (2), 3941, 3993, 4039, 4142, 4146, 4162, 4163, 4164, 4165, 4166, 4168, 4170, 4171, 4174, 4176                 |
| 6042                                | $A_4 : S_3$             | 72    | 415800 | 7965, 9303 (3), 9302 (6), 9252 (3), 9585 (4) | 2413, 2416 (2), 2767, 3259 (2), 3941, 3996 (2), 4168 (2), 4169 (2), 4172, 4173, 4175 (2)   |
| 6043                                | $A_4 \times S_3$        | 72    | 415800 | 7965, 9304, 9253 (3), 9586 (4)               | 2414, 2417 (2), 2770, 3260 (2), 3942, 4003 (2), 4066 (2), 4163, 4172, 4175 (2), 4176 (2)   |
| 6044                                | $2 \times 6 : S_3$      | 72    | 415800 | 7965, 9280, 9305 (3), 9586 (4)               | 2415, 2418 (2), 2770, 3261 (2), 3942, 4005 (2), 4064 (2), 4165, 4173, 4174 (2), 4175 (2)   |
| 6045                                | $S_3 \times S_3 : 2$    | 72    | 415800 | 7896, 7976, 7973, 10474 (9)                  | 2422 (4), 3226 (4), 3227 (4), 4047, 4279 (2), 4280 (2), 4353, 4354, 4365 (2), 4380 (2)   |
| 6046                                | $2 \times 6 : S_3$      | 72    | 138600 | 7999, 7966 (3), 8001 (3), 9161 (6), 9160 (6) | 2509 (4), 3194, 3956, 3967 (3), 3969 (3), 3970, 4024, 4045, 4177 (3), 4178 (3), 4179, 4249 (3), 4267 (3), 4269 (3), 4270, 4281, 4282 (3) |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6047                                | $2 \times 6 : S_3$      | 72    | 415800  | 8003, 7979 (2), 8002 (2), 7966, 8004, 9163 (6), 9162 (6)     | 2510 (4), 3173 (4), 3957, 3974, 3975, 3980, 4022, 4025, 4046, 4118, 4127, 4178, 4181, 4259, 4295, 4327, 4328 |
| 6048                                | $D_{12} \times S_3$     | 72    | 415800  | 7966, 8006 (2), 7973 (2), 8005 (2), 9170 (6)                 | 2514 (4), 3961, 3985, 3986, 3991, 4029, 4050, 4179, 4180, 4181, 4292, 4340, 4343, 4365, 4367, 4368           |
| 6049                                | $D_{12} \times S_3$     | 72    | 6652800 | 7983, 7980, 7982, 7985, 7981, 7984, 7986, 9411 (3), 9179 (3) | 2516, 3219, 3250, 3251   |
| 6050                                | $D_{12} \times S_3$     | 72    | 3326400 | 7990, 7987, 7988, 8016, 7960, 8011, 8019, 9411 (3), 9325 (3) | 2628 (2), 2685, 2686, 3218, 3239, 3251 (2), 4040   |
| 6051                                | $A_4 \times S_3$        | 72    | 277200  | 7962, 9326, 9516 (3), 9597 (4)                               | 2637 (6), 2645 (3), 3152, 3943 (3), 3944 (3), 4007, 4052 (3), 4183, 4186, 4198 (3)                           |
| 6052                                | $A_4 \times 3 \times 2$ | 72    | 831600  | 7962, 9332 (2), 9327, 9516, 9578 (4)                         | 2638 (2), 2715, 2716 (2), 3152, 4013, 4052, 4184, 4200, 4203, 4206, 4207                                     |
| 6053                                | $A_4 : S_3$             | 72    | 277200  | 7962, 9353 (3), 9379 (6), 9517 (3), 9600 (4)                 | 2651 (3), 2695 (6), 3153, 4012, 4063 (3), 4183, 4185, 4200 (3), 4221 (3), 4236 (3)                           |
| 6054                                | $A_4 \times 3 \times 2$ | 72    | 277200  | 7962, 9423 (2), 9356, 9275, 9582 (4)                         | 2653 (3), 3262, 4009, 4065 (3), 4185, 4186, 4206 (3), 4219 (3), 4227 (3)                                     |
| 6055                                | $A_4 \times S_3$        | 72    | 277200  | 7964, 9144, 9442 (3), 9577 (4)                               | 2655 (3), 3263, 3992, 4067 (3), 4187, 4189, 4215 (3), 4218 (3), 4220 (3)                                     |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 6056                                | $A_4 \times S_3$        | 72    | 277200  | 7972, 9333, 9518 (3),<br>9605 (4)                  | 2656 (3), 3268, 4008,<br>4068 (3), 4188, 4190,<br>4224 (3), 4241 (3),<br>4245 (3)              |
| 6057                                | $A_4 : S_3$             | 72    | 277200  | 7964, 9129 (6), 9519<br>(3), 9358 (3), 9606<br>(4) | 2657 (3), 3266, 3999,<br>4069 (3), 4189, 4192,<br>4209 (3), 4222 (3),<br>4226 (3)              |
| 6058                                | $A_4 : S_3$             | 72    | 277200  | 7972, 9427 (6), 9520<br>(3), 9357 (3), 9607<br>(4) | 2658 (3), 3269, 4011,<br>4070 (3), 4190, 4191,<br>4232 (3), 4243 (3),<br>4244 (3)              |
| 6059                                | $A_4 \times 3 \times 2$ | 72    | 277200  | 7964, 9128 (2), 9360,<br>9310, 9579 (4)            | 2659 (3), 3267, 4002,<br>4071 (3), 4187, 4192,<br>4205 (3), 4223 (3),<br>4237 (3)              |
| 6060                                | $A_4 \times 3 \times 2$ | 72    | 277200  | 7972, 9122 (2), 9359,<br>9310, 9608 (4)            | 2660 (3), 3267, 4010,<br>4072 (3), 4188, 4191,<br>4233 (3), 4240 (3),<br>4242 (3)              |
| 6061                                | $2 \times 6 : S_3$      | 72    | 831600  | 7999, 7923, 7963,<br>9301, 9344 (3)                | 2661 (2), 2662 (2),<br>3145, 4073, 4074,<br>4177, 4193, 4194,<br>4247, 4248                    |
| 6062                                | $2 \times 6 : S_3$      | 72    | 415800  | 8004, 7967, 7999,<br>9381 (6), 9354 (6)            | 2663 (4), 3196, 3966<br>(2), 4080 (2), 4178,<br>4193 (2), 4250, 4274<br>(2), 4288              |
| 6063                                | $A_4 : S_3$             | 72    | 1663200 | 8000, 9382 (6), 9422<br>(3), 9354 (3), 9606<br>(4) | 2664 (2), 2699 (2),<br>3196, 4081, 4138,<br>4287   |
| 6064                                | $2 \times 6 \times S_3$ | 72    | 277200  | 7968 (3), 8005 (3),<br>7999, 9307, 9355 (3)        | 2665 (2), 2666 (2),<br>3197, 4082, 4083,<br>4179, 4193 (3), 4194<br>(3), 4251 (3), 4284<br>(3) |
| 6065                                | $A_4 \times S_3$        | 72    | 554400  | 8000, 9307, 9425 (3),<br>9581 (4)                  | 2667 (2), 2705 (2),<br>3197, 4084, 4138 (3),<br>4283 (3)                                       |
| 6066                                | $D_8 \times 3^2$        | 72    | 415800  | 7999, 7969, 8003,<br>9250 (2), 9306 (2)            | 2668 (4), 3199, 3968<br>(2), 4085 (2), 4178,<br>4194 (2), 4252, 4276<br>(2), 4285              |

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| Nr.                                 | Structure           | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6067                                | $Q_{12} : S_3$      | 72    | 831600  | 7963, 7923, 8001, 9347 (3), 9191 (3)                                   | 2669 (2), 2670 (2), 4090, 4091, 4177, 4195, 4196, 4386, 4387       |
| 6068                                | $2 \times 6 : S_3$  | 72    | 415800  | 8001, 7967, 8003, 9397 (6), 9204 (6)                                   | 2671 (4), 3983 (2), 4092 (2), 4178, 4196 (2), 4297, 4389, 4408 (2) |
| 6069                                | $12 : S_3$          | 72    | 415800  | 8001, 7969, 8004, 9361 (6), 9396 (6)                                   | 2672 (4), 3984 (2), 4093 (2), 4178, 4195 (2), 4294, 4390, 4407 (2) |
| 6070                                | $D_{12} \times S_3$ | 72    | 831600  | 7968, 8005, 7975 (2), 8006 (2), 8001, 9346 (3), 9363 (3)               | 2673 (2), 2674 (2), 4094, 4095, 4179, 4195, 4196, 4293, 4388       |
| 6071                                | $D_{12} : S_3$      | 72    | 831600  | 8005, 7923, 7967, 9206 (3), 9358 (3)                                   | 2675 (2), 2676 (2), 4096, 4097, 4180, 4193, 4196, 4370, 4376       |
| 6072                                | $12 : S_3$          | 72    | 831600  | 8005, 7923, 7969, 9318, 9351 (3)                                       | 2677 (2), 2678 (2), 4098, 4099, 4180, 4194, 4195, 4371, 4372       |
| 6073                                | $D_{12} : S_3$      | 72    | 831600  | 8005, 8004, 7963, 9368 (3), 9369 (3)                                   | 2679 (2), 2682 (2), 4104, 4107, 4181, 4193, 4195, 4289, 4377       |
| 6074                                | $2 \times 6 : S_3$  | 72    | 831600  | 7963, 8003, 8005, 9322, 9194 (3)                                       | 2680 (2), 2681 (2), 4105, 4106, 4181, 4194, 4196, 4290, 4374       |
| 6075                                | $2 \times 6 : S_3$  | 72    | 3326400 | 7987, 7997, 8008, 7991, 8020, 8015, 7961, 9434 (3), 9114 (3), 9179 (6) | 2687, 2688, 3219, 3241, 4040                                       |
| 6076                                | $2 \times 6 : S_3$  | 72    | 1663200 | 8010, 9378 (6), 9435 (3), 9263 (3), 9600 (4)                           | 2695, 2696, 4141, 4199, 4202                                       |
| 6077                                | $2 \times 6 : S_3$  | 72    | 831600  | 7962, 9517, 9380 (3), 9580 (4)   | 2697 (2), 2771, 3153, 4017, 4063, 4184, 4198, 4216, 4219, 4234     |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 6078                                | $A_4 \times S_3$        | 72    | 1663200 | 8010, 9436, 9264 (3),<br>9580 (4)                                     | 2697, 2698, 4140,<br>4197, 4202                                     |
| 6079                                | $A_4 : S_3$             | 72    | 1663200 | 8010, 9383 (6), 9262<br>(3), 9437 (3), 9606<br>(4)                    | 2699, 2700, 4197,<br>4199, 4201                                     |
| 6080                                | $A_4 : S_3$             | 72    | 1663200 | 8009, 9381 (3), 9382<br>(3), 9422 (6), 9609<br>(4)                    | 2701 (4), 3196, 3965,<br>4275, 4286                                 |
| 6081                                | $2 \times 6 : S_3$      | 72    | 1663200 | 8010, 9259, 9438 (3),<br>9574 (4)                                     | 2703, 2704, 4182,<br>4201, 4202                                     |
| 6082                                | $A_4 \times S_3$        | 72    | 1663200 | 8010, 9439, 9261 (3),<br>9581 (4)                                     | 2705, 2706, 4140,<br>4141, 4201                                     |
| 6083                                | $D_{12} \times S_3$     | 72    | 3326400 | 8015, 7890, 7995,<br>7992, 7959, 8019,<br>8007, 9325 (3), 9434<br>(3) | 2707, 2708, 3218,<br>3241, 4040                                     |
| 6084                                | $D_{12} \times S_3$     | 72    | 3326400 | 7994, 8023, 8017,<br>8013, 8025, 8018,<br>7996, 9440 (3), 9441<br>(3) | 2710, 2711, 3243,<br>3244, 4041                                     |
| 6085                                | $D_{12} \times S_3$     | 72    | 1663200 | 8021 (2), 8017 (2),<br>8026, 8014, 7993,<br>9440 (6)                  | 2712 (2), 3243 (2),<br>3257 (2), 3964, 3971,<br>4041                |
| 6086                                | $2 \times 6 : S_3$      | 72    | 1663200 | 8024, 8018 (2), 8014,<br>7998 (2), 8022, 9441<br>(6), 9371 (6)        | 2713 (2), 3244 (2),<br>3963, 3972, 4041                             |
| 6087                                | $A_4 \times 3 \times 2$ | 72    | 831600  | 7964, 9124 (2), 9442,<br>9443, 9578 (4)                               | 2714, 2715, 3263,<br>3994, 4067, 4204,<br>4205, 4208, 4209,<br>4210 |
| 6088                                | $D_{12} \times S_3$     | 72    | 6652800 | 8028, 8029, 8037,<br>8032, 8036, 7905,<br>8034, 9179 (3), 9325<br>(3) | 2753, 3205, 3241,<br>3251   |
| 6089                                | $D_{12} \times S_3$     | 72    | 6652800 | 8038, 8039, 8033,<br>8031, 8035, 8030,<br>8027, 9371 (3), 9440<br>(3) | 2757, 3244, 3257  |
| 6090                                | $A_4 : S_3$             | 72    | 831600  | 7964, 9125 (6), 9308<br>(3), 9208 (3), 9610<br>(4)                    | 2768, 3264, 3995,<br>4204, 4215, 4226,<br>4228, 4235, 4237          |

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| Nr.                                 | Structure               | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 6091                                | $A_4 : S_3$             | 72    | 831600 | 7962, 9445 (6), 9446 (3), 9252 (3), 9610 (4)             | 2768, 3259, 3943, 3998, 4203, 4227, 4229, 4234, 4236   |
| 6092                                | $A_4 : S_3$             | 72    | 831600 | 7972, 9120 (6), 9308 (3), 9447 (3), 9611 (4)             | 2769, 3264, 3997, 4224, 4225, 4230, 4231, 4232, 4233   |
| 6093                                | $A_4 \times S_3$        | 72    | 831600 | 7964, 9448, 9309 (3), 9580 (4)                           | 2771, 3265, 4004, 4071, 4210, 4217, 4218, 4222, 4235   |
| 6094                                | $2 \times 6 : S_3$      | 72    | 831600 | 7964, 9519, 9223 (3), 9612 (4)                           | 2772, 3266, 4006, 4069, 4208, 4217, 4220, 4223, 4228   |
| 6095                                | $A_4 \times S_3$        | 72    | 831600 | 7962, 9449, 9253 (3), 9612 (4)                           | 2772, 3260, 3944, 4016, 4065, 4207, 4216, 4221, 4229   |
| 6096                                | $A_4 \times 3 \times 2$ | 72    | 831600 | 7972, 9374 (2), 9372, 9518, 9613 (4)                     | 2773, 3268, 4014, 4068, 4225, 4238, 4239, 4240, 4243   |
| 6097                                | $2 \times 6 : S_3$      | 72    | 831600 | 7972, 9520, 9451 (3), 9614 (4)                           | 2774, 3269, 4018, 4070, 4230, 4239, 4242, 4245, 4246   |
| 6098                                | $A_4 \times S_3$        | 72    | 831600 | 7972, 9450, 9309 (3), 9614 (4)                           | 2774, 3265, 4015, 4072, 4231, 4238, 4241, 4244, 4246   |
| 6099                                | $D_8 \times 3^2$        | 72    | 415800 | 8045, 7955, 7999, 9343 (2), 9344 (2)                     | 3154, 3155, 4073 (2), 4249, 4250, 4251 (2), 4252, 4253 (2), 4254 (2)                               |
| 6100                                | $D_{12} \times S_3$     | 72    | 415800 | 8050 (2), 8058 (2), 7966, 8040 (2), 9171 (6)             | 3167 (4), 4024, 4075, 4114, 4127, 4128, 4131, 4255, 4258, 4261, 4339, 4340, 4349, 4379, 4391, 4393 |
| 6101                                | $D_{12} \times S_3$     | 72    | 831600 | 7968, 8059 (2), 8040, 8051 (2), 8041, 9412 (3), 9315 (3) | 3168 (4), 4082, 4095, 4115, 4126, 4255, 4262, 4373   |
| 6102                                | $2 \times 6 \times S_3$ | 72    | 831600 | 8052 (2), 8060 (2), 7968, 8040, 8042, 9346, 9413 (3)     | 3169 (4), 4083, 4094, 4116, 4125, 4255, 4263, 4375   |
| 6103                                | $2 \times 6 : S_3$      | 72    | 415800 | 8053 (2), 8042, 8061 (2), 8041, 7966, 9173 (6), 9172 (6) | 3172 (4), 4029, 4076, 4118, 4124, 4130, 4134, 4255, 4260, 4265, 4281, 4344, 4362, 4381, 4383, 4398 |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6104                                | $D_{12} \times S_3$        | 72    | 415800  | 7895 (2), 8062 (2), 7966, 8043 (2), 9155 (6)             | 3175 (4), 4030, 4119, 4128, 4132, 4134, 4256, 4259, 4267, 4300, 4345, 4346, 4348, 4363, 4366, 4367                             |
| 6105                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800  | 7908 (2), 7966, 10475 (9)                                | 3177 (4), 4046, 4120, 4130, 4131, 4133, 4256, 4257, 4269, 4303, 4350, 4351, 4364, 4368, 4369, 4385                             |
| 6106                                | $D_{12} \times S_3$        | 72    | 831600  | 8054 (2), 8063 (2), 7971, 8041, 7915, 9415 (3), 9416 (3) | 3180 (4), 4122, 4135, 4260, 4272, 4314, 4409, 4417   |
| 6107                                | $D_{12} \times S_3$        | 72    | 831600  | 8055 (2), 7906 (2), 8004, 8043, 7971, 9417 (3), 9375 (3) | 3181 (4), 4122, 4136, 4259, 4274, 4311, 4407, 4423   |
| 6108                                | $2 \times 6 \times S_3$    | 72    | 831600  | 8003, 7971, 8056 (2), 7907 (2), 8043, 9334, 9239 (3)     | 3182 (4), 4123, 4135, 4259, 4276, 4319, 4408, 4415   |
| 6109                                | $2 \times 6 \times S_3$    | 72    | 831600  | 8057 (2), 8042, 7971, 8064 (2), 7915, 9345, 9414 (3)     | 3183 (4), 4123, 4136, 4260, 4277, 4317, 4410, 4418   |
| 6110                                | $2 \times 6 : S_3$         | 72    | 831600  | 8045, 7963, 8040, 9347, 9192 (3)                         | 3192, 4073, 4091, 4261, 4262, 4263, 4289, 4290   |
| 6111                                | $2 \times 6 : S_3$         | 72    | 138600  | 8069 (3), 7966 (3), 8045, 9174 (6), 9175 (6)             | 3193, 4021, 4077, 4249 (3), 4261 (3), 4264, 4265 (3), 4266 (3), 4268 (3), 4271, 4291 (3), 4292 (3), 4295, 4300, 4303, 4306 (3) |
| 6112                                | $2 \times 6 : S_3$         | 72    | 415800  | 8041, 7967, 8045, 9429 (6), 9222 (6)                     | 3195, 4096 (2), 4250, 4262 (2), 4265, 4272 (2), 4297, 4310 (2)   |
| 6113                                | $2 \times 6 : S_3$         | 72    | 1663200 | 8044, 9126 (6), 9429 (3), 9121 (3), 9615 (4)             | 3195, 4273, 4296, 4309   |
| 6114                                | $2 \times 6 \times S_3$    | 72    | 277200  | 7968 (3), 8045, 8071 (3), 9350, 9424 (3)                 | 3198, 4035, 4036, 4251 (3), 4262 (3), 4263 (3), 4264, 4293 (3)   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                              | Minimal Overgroups   |
| 6115                                | $D_8 \times 3^2$        | 72    | 415800  | 8045, 8042, 7969, 9351 (2), 9352 (2)           | 3200, 4099 (2), 4252, 4263 (2), 4265, 4277 (2), 4294, 4321 (2)   |
| 6116                                | $2 \times 6 : S_3$      | 72    | 1663200 | 8009, 9419, 9240 (3), 9616 (4)                 | 3201, 4275, 4302, 4316   |
| 6117                                | $2 \times 6 : S_3$      | 72    | 831600  | 8043, 7999, 7970, 9339, 9240 (3)               | 3201, 4253, 4267, 4274, 4276, 4301, 4313, 4315                   |
| 6118                                | $2 \times 6 : S_3$      | 72    | 1663200 | 8044, 9420, 9426 (3), 9617 (4)                 | 3202, 4273, 4298, 4323   |
| 6119                                | $2 \times 6 : S_3$      | 72    | 831600  | 7915, 8045, 7970, 9348, 9426 (3)               | 3202, 4253, 4266, 4272, 4277, 4299, 4312, 4322                   |
| 6120                                | $2 \times 6 \times S_3$ | 72    | 277200  | 7971 (3), 7916 (3), 8045, 9349, 9433 (3)       | 3203, 4254 (3), 4271, 4272 (3), 4277 (3), 4304 (3), 4311, 4319   |
| 6121                                | $A_4 \times S_3$        | 72    | 554400  | 8044, 9349, 9432 (3), 9618 (4)                 | 3203, 4273 (3), 4305 (3), 4320                                   |
| 6122                                | $2 \times 6 \times S_3$ | 72    | 277200  | 7971 (3), 8078 (3), 7999, 9340, 9241 (3)       | 3204, 4254 (3), 4270, 4274 (3), 4276 (3), 4308 (3), 4314, 4317   |
| 6123                                | $A_4 \times S_3$        | 72    | 554400  | 8009, 9340, 9254 (3), 9619 (4)                 | 3204, 4275 (3), 4307 (3), 4318                                   |
| 6124                                | $D_{12} \times S_3$     | 72    | 3326400 | 8047, 8065 (2), 8046, 8048, 8066 (2), 9179 (6) | 3205 (2), 3250, 4087   |
| 6125                                | $D_{12} \times S_3$     | 72    | 138600  | 7974, 8050, 8052 (2), 8051 (2), 8053, 9154 (6) | 3208 (4), 3217 (4), 4026 (3), 4078, 4255 (6), 4278 (6), 4357 (3) |
| 6126                                | $S_3 \times S_3 : 2$    | 72    | 138600  | 7908, 7976, 7922, 10476 (9)                    | 3211 (4), 3235 (4), 4031, 4257 (6), 4280 (6), 4353 (3), 4355 (3) |
| 6127                                | $S_3 \times S_3 : 2$    | 72    | 138600  | 7900, 7976, 8050, 10477 (9)                    | 3212 (4), 3237 (4), 4078, 4258 (6), 4279 (6), 4354 (3), 4355 (3) |
| 6128                                | $D_{12} \times S_3$     | 72    | 138600  | 8056 (2), 7976, 7979, 8055 (2), 7895, 9156 (6) | 3213 (4), 3240 (4), 4031, 4259 (6), 4280 (6), 4354 (3), 4356 (3) |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6129                                | $D_{12} \times S_3$        | 72    | 138600  | 7897, 8057 (2), 7976, 8054 (2), 8053, 9176 (6)               | 3214 (4), 3245 (4), 4078, 4260 (6), 4279 (6), 4353 (3), 4356 (3) |
| 6130                                | $D_{12} \times S_3$        | 72    | 831600  | 7973, 8059 (2), 8060 (2), 8053, 8050, 9178 (6)               | 3215 (2), 3216 (2), 4029, 4079, 4255, 4279, 4340, 4361, 4394     |
| 6131                                | $D_{12} \times S_3$        | 72    | 1663200 | 7975, 8058, 8060, 8052, 8051, 8061, 8059, 9411 (3), 9434 (3) | 3218 (2), 3219 (2), 4094, 4095, 4255                             |
| 6132                                | $S_3 \times S_3 : 2$       | 72    | 831600  | 7896, 7897, 8050, 10478 (9)                                  | 3221 (2), 3222 (2), 4075, 4278, 4279, 4324, 4349, 4392, 4394     |
| 6133                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 831600  | 7900, 7896, 8053, 10479 (9)                                  | 3223 (2), 3224 (2), 4076, 4278, 4279, 4332, 4360, 4361, 4383     |
| 6134                                | $3 : S_3 \cdot 2 : 2$      | 72    | 831600  | 7895, 7908, 7973, 10480 (9)                                  | 3229 (2), 3230 (2), 4032, 4256, 4280, 4347, 4348, 4350, 4352     |
| 6135                                | $S_3 \times S_3 : 2$       | 72    | 831600  | 7900, 7901, 8050, 10481 (9)                                  | 3236 (2), 3238 (2), 4079, 4258, 4278, 4338, 4361, 4392, 4393     |
| 6136                                | $D_{12} \times S_3$        | 72    | 1663200 | 8056, 8002, 8055, 8062, 7906, 7907, 7978, 9325 (3), 9114 (3) | 3239 (2), 3241 (2), 4259, 4415, 4423                             |
| 6137                                | $D_{12} \times S_3$        | 72    | 1663200 | 8054, 8063, 7978, 7911, 8064, 8061, 8057, 9441 (3), 9440 (3) | 3243 (2), 3244 (2), 4260, 4417, 4418                             |
| 6138                                | $D_{12} \times S_3$        | 72    | 831600  | 7897, 8063 (2), 7901, 8064 (2), 8053, 9177 (6)               | 3246 (2), 3247 (2), 4079, 4260, 4278, 4334, 4360, 4362, 4394     |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                            | Minimal Overgroups   |
| 6139                                | $2 \times 6 : S_3$      | 72    | 415800  | 8069, 7956, 7999, 9303 (6), 9446 (6)         | 3259, 4074 (2), 4249, 4284 (2), 4285, 4288, 4301 (2), 4308 (2)         |
| 6140                                | $A_4 : S_3$             | 72    | 1663200 | 8009, 9446 (3), 9302 (6), 9445 (3), 9620 (4) | 3259, 4286, 4302, 4307   |
| 6141                                | $A_4 : S_3$             | 72    | 1663200 | 8000, 9445 (6), 9302 (3), 9303 (3), 9610 (4) | 3259, 4044, 4283, 4287   |
| 6142                                | $2 \times 6 : S_3$      | 72    | 138600  | 8070 (3), 7999, 8041 (3), 9304 (6), 9449 (6) | 3260, 4082 (2), 4247 (6), 4250 (3), 4281, 4285 (3), 4313 (6), 4314 (2) |
| 6143                                | $2 \times 6 : S_3$      | 72    | 1663200 | 8000, 9422, 9305 (3), 9612 (4)               | 3261, 4081, 4139, 4283   |
| 6144                                | $2 \times 6 : S_3$      | 72    | 831600  | 8071, 7999, 7957, 9354, 9305 (3)             | 3261, 4080, 4085, 4247, 4248, 4251, 4282, 4284                         |
| 6145                                | $A_4 \times 3 \times 2$ | 72    | 554400  | 8009, 9425 (2), 9423, 9356, 9621 (4)         | 3262, 4286 (3), 4316 (3), 4318   |
| 6146                                | $A_4 \times 3 \times 2$ | 72    | 554400  | 8000, 9423 (2), 9425, 9355, 9582 (4)         | 3262, 4084, 4139 (3), 4287 (3)   |
| 6147                                | $2 \times 6^2$          | 72    | 138600  | 8072 (3), 7999, 8042 (3), 9355 (2), 9356 (2) | 3262, 4083 (2), 4248 (6), 4252 (3), 4281, 4288 (3), 4315 (6), 4317 (2) |
| 6148                                | $A_4 : S_3$             | 72    | 1663200 | 8044, 9125 (6), 9120 (3), 9447 (3), 9622 (4) | 3264, 4296, 4298, 4305   |
| 6149                                | $2 \times 6 : S_3$      | 72    | 415800  | 8045, 7956, 8001, 9208 (6), 9447 (6)         | 3264, 4091 (2), 4249, 4293 (2), 4294, 4297, 4299 (2), 4304 (2)         |
| 6150                                | $2 \times 6 : S_3$      | 72    | 138600  | 8070 (3), 8045, 8004 (3), 9450 (6), 9448 (6) | 3265, 4035 (2), 4250 (3), 4289 (6), 4294 (3), 4295, 4311 (2), 4312 (6) |
| 6151                                | $2 \times 6 : S_3$      | 72    | 831600  | 7957, 8045, 8005, 9358, 9223 (3)             | 3266, 4096, 4099, 4251, 4289, 4290, 4292, 4293                         |
| 6152                                | $A_4 \times 3 \times 2$ | 72    | 554400  | 8044, 9359, 9122, 9128 (2), 9623 (4)         | 3267, 4296 (3), 4320, 4323 (3)   |
| 6153                                | $2 \times 6^2$          | 72    | 138600  | 8072 (3), 8003 (3), 8045, 9360 (2), 9359 (2) | 3267, 4036 (2), 4252 (3), 4290 (6), 4295, 4297 (3), 4319 (2), 4322 (6) |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 6154                                | $A_4 \times S_3$           | 72    | 554400  | 8044, 9333, 9374 (3),<br>9624 (4)                                     | 3268, 4298 (3), 4309<br>(3), 4320  |
| 6155                                | $2 \times 6 \times S_3$    | 72    | 277200  | 8043 (3), 8045, 7914<br>(3), 9333, 9372 (3)                           | 3268, 4253 (3), 4299<br>(3), 4300, 4310 (3),<br>4311, 4319, 4321 (3)                                 |
| 6156                                | $2 \times 6 : S_3$         | 72    | 1663200 | 8044, 9427, 9451 (3),<br>9625 (4)                                     | 3269, 4305, 4309,<br>4323  |
| 6157                                | $2 \times 6 : S_3$         | 72    | 831600  | 8045, 8078, 7917,<br>9357, 9451 (3)                                   | 3269, 4254, 4304,<br>4306, 4310, 4312,<br>4321, 4322   |
| 6158                                | $S_3 \times S_3 : 2$       | 72    | 3326400 | 8067, 8047, 8046,<br>10482 (9)  | 3276, 4087   |
| 6159                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800  | 7896 (2), 7966, 10483<br>(9)  | 3928, 4045, 4291,<br>4324, 4326, 4328,<br>4330, 4332, 4349,<br>4363, 4364, 4365,<br>4378, 4382, 4383 |
| 6160                                | $D_{12} \times S_3$        | 72    | 415800  | 7966, 8078 (2), 7901<br>(2), 8068 (2), 9140<br>(6)                    | 3933, 4050, 4270,<br>4306, 4326, 4327,<br>4334, 4336, 4338,<br>4362, 4366, 4369,<br>4384, 4393, 4397 |
| 6161                                | $S_3 \times S_3 : 2$       | 72    | 1663200 | 7977, 7911, 8074,<br>10432 (9)  | 3934, 3935, 4333   |
| 6162                                | $S_3 \times S_3 : 2$       | 72    | 1663200 | 7912, 8068, 8074,<br>10431 (9)  | 3934, 3935, 4336   |
| 6163                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 831600  | 8073, 7912, 7977,<br>10484 (9)  | 3934 (2), 4335, 4427<br>(2)  |
| 6164                                | $D_{12} \times S_3$        | 72    | 831600  | 7911, 8063 (2), 8068,<br>7902 (2), 8073, 9142<br>(6)                  | 3934 (2), 4334, 4417<br>(2)  |
| 6165                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 831600  | 8075, 7912, 7977,<br>10485 (9)  | 3935 (2), 4335, 4428<br>(2)  |
| 6166                                | $D_{12} \times S_3$        | 72    | 831600  | 7911, 8064 (2), 8068,<br>7903 (2), 8075, 9143<br>(6)                  | 3935 (2), 4334, 4418<br>(2)  |
| 6167                                | $2 \times 6 : S_3$         | 72    | 415800  | 8075, 7966, 8053,<br>8073, 8070, 7979,<br>8072, 9180 (6), 9141<br>(6) | 4023, 4026, 4108,<br>4281, 4295, 4329,<br>4332, 4334, 4335,<br>4340, 4341, 4342,<br>4346, 4356, 4385 |

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| Nr.                                 | Structure               | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 6168                                | $D_{12} \times S_3$     | 72    | 415800 | 8071 (2), 7973 (2),<br>7966, 8074 (2), 9181<br>(6)             | 4023, 4025, 4109,<br>4264, 4282, 4330,<br>4331, 4333, 4336,<br>4339, 4343, 4344,<br>4348, 4350, 4380 |
| 6169                                | $D_{12} \times S_3$     | 72    | 415800 | 8050, 8076 (2), 7973,<br>8077 (2), 7979, 9183<br>(6)           | 4025 (2), 4026, 4110,<br>4340 (2), 4352 (2),<br>4354, 4392 (2)                                       |
| 6170                                | $S_3 \times S_3 : 2$    | 72    | 415800 | 7896, 7895, 8050,<br>10486 (9)                                 | 4033, 4345 (2), 4349<br>(2), 4352 (2), 4354,<br>4357, 4361 (2)                                       |
| 6171                                | $D_{12} \times S_3$     | 72    | 415800 | 8053, 8079 (2), 7895,<br>8080 (2), 7901, 9159<br>(6)           | 4034, 4346 (2), 4347<br>(2), 4356, 4357, 4361<br>(2), 4362 (2)                                       |
| 6172                                | $2 \times 6 : S_3$      | 72    | 415800 | 8073 (2), 8003, 8069,<br>8002 (2), 8070, 9311<br>(6), 9483 (6) | 4037 (2), 4285, 4295,<br>4374 (2), 4389, 4411<br>(2), 4415 (2)                                       |
| 6173                                | $D_{12} \times S_3$     | 72    | 831600 | 8069, 7975 (2), 7968,<br>8074 (2), 8071, 9312<br>(3), 9454 (3) | 4037, 4038, 4264,<br>4284, 4373, 4375,<br>4388   |
| 6174                                | $2 \times 6 : S_3$      | 72    | 415800 | 8002 (2), 8004, 8075<br>(2), 8069, 8072, 9454<br>(6), 9484 (6) | 4038 (2), 4288, 4295,<br>4377 (2), 4390, 4419<br>(2), 4423 (2)                                       |
| 6175                                | $3 : S_3 \cdot 2 : 2$   | 72    | 831600 | 7901, 7896, 7973,<br>10487 (9)                                 | 4050, 4326, 4360,<br>4361, 4365, 4392,<br>4394   |
| 6176                                | $Q_{12} : S_3$          | 72    | 831600 | 8069, 7963, 8040,<br>9469 (3), 9313 (3)                        | 4074, 4090, 4261,<br>4373, 4374, 4375,<br>4377   |
| 6177                                | $D_{12} : S_3$          | 72    | 831600 | 7967, 8040, 8071,<br>9217 (3), 9477 (3)                        | 4080, 4092, 4262,<br>4339, 4370, 4375,<br>4376   |
| 6178                                | $D_{12} \times S_3$     | 72    | 831600 | 8070, 8059 (2), 8040,<br>8077 (2), 8005, 9480<br>(3), 9314 (3) | 4082, 4094, 4289,<br>4340, 4370, 4372,<br>4374   |
| 6179                                | $2 \times 6 \times S_3$ | 72    | 831600 | 8072, 8060 (2), 8076<br>(2), 8005, 8040,<br>9363, 9413 (3)     | 4083, 4095, 4290,<br>4340, 4371, 4376,<br>4377   |
| 6180                                | $12 : S_3$              | 72    | 831600 | 8040, 8071, 7969,<br>9361, 9316 (3)                            | 4085, 4093, 4263,<br>4339, 4371, 4372,<br>4373   |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 6181                                | $12 : S_3$             | 72    | 415800 | 7955, 8001, 8069, 9468 (6), 9469 (6)                     | 4090 (2), 4249, 4388 (2), 4389, 4390, 4399 (2), 4400 (2) |
| 6182                                | $D_{12} : S_3$         | 72    | 831600 | 8001, 8071, 7957, 9218 (3), 9477 (3)                     | 4092, 4093, 4282, 4293, 4386, 4387, 4388                 |
| 6183                                | $2 \times 6 : S_3$     | 72    | 415800 | 8042, 8075 (2), 8061 (2), 8070, 8001, 9478 (6), 9480 (6) | 4094 (2), 4281, 4294, 4386 (2), 4389, 4418 (2), 4425 (2) |
| 6184                                | $D_{12} \times S_3$    | 72    | 831600 | 8075, 8006, 8077 (2), 8060 (2), 8058, 9485 (6)           | 4094 (2), 4340, 4428 (2)                                 |
| 6185                                | $2 \times 6 : S_3$     | 72    | 415800 | 8001, 8073 (2), 8061 (2), 8072, 8041, 9479 (6), 9412 (6) | 4095 (2), 4281, 4297, 4387 (2), 4390, 4417 (2), 4426 (2) |
| 6186                                | $D_{12} \times S_3$    | 72    | 831600 | 8076 (2), 8058, 8073, 8059 (2), 8006, 9434 (6)           | 4095 (2), 4340, 4427 (2)                                 |
| 6187                                | $2 \times 6 : S_3$     | 72    | 415800 | 7967, 8042, 8069, 9474 (6), 9476 (6)                     | 4097 (2), 4265, 4288, 4375 (2), 4389, 4410 (2), 4421 (2) |
| 6188                                | $Q_{12} : S_3$         | 72    | 831600 | 7957, 8069, 8005, 9474 (3), 9317 (3)                     | 4097, 4098, 4284, 4292, 4374, 4377, 4388                 |
| 6189                                | $12 : S_3$             | 72    | 415800 | 7969, 8041, 8069, 9319 (6), 9475 (6)                     | 4098 (2), 4265, 4285, 4373 (2), 4390, 4409 (2), 4413 (2) |
| 6190                                | $2 \times 6 \cdot S_3$ | 72    | 415800 | 7967, 7956, 8072, 9213 (6), 9489 (6)                     | 4100 (2), 4288, 4297, 4342, 4376 (2), 4420 (2), 4422 (2) |
| 6191                                | $2 \times 6 \cdot S_3$ | 72    | 831600 | 7957, 8072, 7963, 9267, 9196 (3)                         | 4100, 4103, 4248, 4290, 4341, 4377, 4387                 |
| 6192                                | $Q_{12} : S_3$         | 72    | 831600 | 7963, 8070, 7957, 9273 (3), 9269 (3)                     | 4101, 4102, 4247, 4289, 4341, 4374, 4386                 |
| 6193                                | $12 : S_3$             | 72    | 415800 | 7967, 7955, 8070, 9273 (6), 9490 (6)                     | 4101 (2), 4250, 4342, 4370 (2), 4389, 4401 (2), 4403 (2) |
| 6194                                | $12 : S_3$             | 72    | 415800 | 7956, 7969, 8070, 9293 (6), 9491 (6)                     | 4102 (2), 4285, 4294, 4342, 4372 (2), 4412 (2), 4414 (2) |

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| Nr.                                 | Structure                  | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 6195                                | $6 \times 12$              | 72    | 415800 | 7969, 7955, 8072, 9365 (2), 9272 (2)                     | 4103 (2), 4252, 4342, 4371 (2), 4390, 4404 (2), 4405 (2) |
| 6196                                | $D_{12} : S_3$             | 72    | 831600 | 8041, 8071, 7963, 9195 (3), 9323 (3)                     | 4104, 4106, 4247, 4262, 4344, 4373, 4387                 |
| 6197                                | $12 : S_3$                 | 72    | 831600 | 8005, 8071, 7955, 9368, 9495 (3)                         | 4104, 4105, 4251, 4343, 4370, 4371, 4388                 |
| 6198                                | $2 \times 6 : S_3$         | 72    | 831600 | 8042, 8071, 7963, 9369, 9495 (3)                         | 4105, 4107, 4248, 4263, 4344, 4375, 4386                 |
| 6199                                | $D_{12} : S_3$             | 72    | 831600 | 8005, 8071, 7956, 9214 (3), 9321 (3)                     | 4106, 4107, 4284, 4293, 4343, 4372, 4376                 |
| 6200                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800 | 8053, 7908, 7896, 10488 (9)                              | 4108, 4347 (2), 4353, 4357, 4383 (2), 4385 (2), 4394 (2) |
| 6201                                | $S_3 \times S_3 : 2$       | 72    | 415800 | 7908, 7901, 8050, 10489 (9)                              | 4110, 4351 (2), 4352 (2), 4355, 4357, 4393 (2), 4394 (2) |
| 6202                                | $12 \times S_3$            | 72    | 831600 | 7970, 7955, 7914, 9337, 9406 (3)                         | 4253, 4358, 4399, 4402, 4403, 4404, 4406                 |
| 6203                                | $12 : S_3$                 | 72    | 831600 | 7916, 8078, 7955, 9367, 9496 (3)                         | 4254, 4397, 4400, 4401, 4402, 4405, 4406                 |
| 6204                                | $D_{12} : S_3$             | 72    | 831600 | 7915, 8069, 7970, 9471 (3), 9470 (3)                     | 4266, 4301, 4399, 4409, 4410, 4411, 4419                 |
| 6205                                | $D_{12} : S_3$             | 72    | 831600 | 8043, 8001, 7970, 9461 (3), 9324 (3)                     | 4267, 4299, 4399, 4407, 4408, 4425, 4426                 |
| 6206                                | $D_{12} \times S_3$        | 72    | 831600 | 7971, 8068 (2), 7978 (2), 8078, 8001, 9462 (3), 9463 (3) | 4270, 4304, 4400, 4407, 4408, 4417, 4418                 |
| 6207                                | $D_{12} \times S_3$        | 72    | 831600 | 7978 (2), 7920 (2), 8069, 7916, 7971, 9473 (3), 9472 (3) | 4271, 4308, 4400, 4409, 4410, 4415, 4423                 |
| 6208                                | $D_{12} : S_3$             | 72    | 831600 | 7916, 7970, 8041, 9499 (3), 9501 (3)                     | 4272, 4313, 4398, 4402, 4409, 4416, 4426                 |

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| Nr.                                 | Structure           | Order | Length | Maximal Subgroups   | Minimal Overgroups                             |
| 6209                                | $D_{12} : S_3$      | 72    | 831600 | 7967, 8043, 8078,<br>9464 (3), 9465 (3)                               | 4274, 4310, 4366,<br>4401, 4408, 4421,<br>4422 |
| 6210                                | $D_{12} : S_3$      | 72    | 831600 | 8078, 8004, 7970,<br>9467 (3), 9466 (3)                               | 4274, 4312, 4327,<br>4402, 4407, 4419,<br>4424 |
| 6211                                | $12 : S_3$          | 72    | 831600 | 7969, 8043, 8078,<br>9341, 9242 (3)                                   | 4276, 4321, 4366,<br>4405, 4407, 4413,<br>4414 |
| 6212                                | $2 \times 6 : S_3$  | 72    | 831600 | 8078, 8003, 7970,<br>9342, 9244 (3)                                   | 4276, 4322, 4327,<br>4406, 4408, 4411,<br>4416 |
| 6213                                | $2 \times 6 : S_3$  | 72    | 831600 | 7916, 7970, 8042,<br>9370, 9500 (3)                                   | 4277, 4315, 4398,<br>4406, 4410, 4424,<br>4425 |
| 6214                                | $Q_{12} \times S_3$ | 72    | 831600 | 7970, 7956, 7914,<br>9407 (3), 9117 (3)                               | 4299, 4301, 4358,<br>4412, 4416, 4420,<br>4424 |
| 6215                                | $D_{12} \times S_3$ | 72    | 831600 | 8043, 8062 (2), 8069,<br>7913 (2), 7914, 9113<br>(3), 9400 (3)        | 4300, 4301, 4399,<br>4413, 4415, 4421,<br>4423 |
| 6216                                | $D_{12} : S_3$      | 72    | 831600 | 7916, 8078, 7956,<br>9498 (3), 9497 (3)                               | 4304, 4308, 4397,<br>4414, 4416, 4422,<br>4424 |
| 6217                                | $D_{12} : S_3$      | 72    | 831600 | 8069, 8078, 7917,<br>9481 (3), 9482 (3)                               | 4306, 4308, 4400,<br>4411, 4413, 4419,<br>4421 |
| 6218                                | $D_{12} \times S_3$ | 72    | 831600 | 8080 (2), 8041, 8078,<br>7914, 8063 (2), 9118<br>(3), 9408 (3)        | 4310, 4314, 4362,<br>4402, 4413, 4416,<br>4417 |
| 6219                                | $D_{12} \times S_3$ | 72    | 831600 | 7906 (2), 8080 (2),<br>7916, 8043, 8070,<br>9376 (3), 9452 (3)        | 4311, 4313, 4346,<br>4401, 4414, 4415,<br>4425 |
| 6220                                | $D_{12} \times S_3$ | 72    | 831600 | 7971, 7903, 8055,<br>7914, 8070, 8080,<br>8054, 9116 (3), 9403<br>(3) | 4311, 4314, 4356,<br>4403, 4412, 4415,<br>4418 |
| 6221                                | $D_{12} \times S_3$ | 72    | 831600 | 7903 (2), 7915, 8078,<br>8070, 8063 (2), 9486<br>(3), 9487 (3)        | 4312, 4314, 4334,<br>4401, 4411, 4414,<br>4418 |
| 6222                                | $Q_{12} : S_3$      | 72    | 831600 | 8070, 7970, 7917,<br>9494 (3), 9493 (3)                               | 4312, 4313, 4329,<br>4403, 4411, 4412,<br>4425 |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 6223                                | $2 \times 6 \cdot S_3$  | 72    | 831600  | 7970, 8072, 7917, 9366, 9492 (3)                             | 4315, 4322, 4329, 4404, 4419, 4420, 4426 |
| 6224                                | $2 \times 6 \times S_3$ | 72    | 831600  | 8043, 7907 (2), 7916, 8072, 8079 (2), 9335, 9377 (3)         | 4315, 4319, 4346, 4405, 4422, 4423, 4426 |
| 6225                                | $2 \times 6 \times S_3$ | 72    | 831600  | 7971, 7902, 8056, 7914, 8072, 8079, 8057, 9336, 9402 (3)     | 4317, 4319, 4356, 4404, 4417, 4420, 4423 |
| 6226                                | $2 \times 6 \times S_3$ | 72    | 831600  | 8072, 8064 (2), 7902 (2), 7915, 8078, 9364, 9488 (3)         | 4317, 4322, 4334, 4405, 4417, 4419, 4422 |
| 6227                                | $2 \times 6 \times S_3$ | 72    | 831600  | 7914, 8064 (2), 8079 (2), 8042, 8078, 9338, 9410 (3)         | 4317, 4321, 4362, 4406, 4418, 4421, 4424 |
| 6228                                | $D_{12} \times S_3$     | 72    | 831600  | 8073, 8080 (2), 8062, 7907 (2), 7920, 9115 (6)               | 4346, 4415 (2), 4427 (2)                 |
| 6229                                | $D_{12} \times S_3$     | 72    | 831600  | 8075, 7906 (2), 8062, 8079 (2), 7920, 9401 (6)               | 4346, 4423 (2), 4428 (2)                 |
| 6230                                | $D_{12} \times S_3$     | 72    | 831600  | 7902, 7913, 8056, 7978, 8080, 8054, 8073, 9405 (3), 9457 (3) | 4356, 4415 (2), 4417 (2)                 |
| 6231                                | $D_{12} \times S_3$     | 72    | 831600  | 7903, 7913, 8055, 7978, 8079, 8057, 8075, 9456 (3), 9404 (3) | 4356, 4418 (2), 4423 (2)                 |
| 6232                                | $D_{12} \times S_3$     | 72    | 1663200 | 7913, 8063, 8079, 8061, 8068, 8064, 8080, 9458 (3), 9409 (3) | 4362, 4417, 4418                         |
| 6233                                | $S_3 \times S_3 : 2$    | 72    | 1663200 | 7977, 8062, 8006, 10482 (9)                                  | 4367, 4427, 4428                         |
| 6234                                | $S_3 \times S_3 : 2$    | 72    | 1663200 | 7977, 7920, 8058, 10490 (9)                                  | 4391, 4427, 4428                         |
| 6235                                | $35 : 2$                | 70    | 570240  | 8081, 10249 (5), 10405                                       | 2064, 3279, 4429, 4430, 4431             |
| 6236                                | $D_{70}$                | 70    | 570240  | 8081, 10250 (5), 10406 (7)                                   | 3277, 4430                               |
| 6237                                | $35 : 2$                | 70    | 570240  | 8081, 10251, 10407 (7)                                       | 3278, 4430                               |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                     |
| 6238                                | $2^{1+4} : 2$            | 64    | 1871100 | 8137, 8085 (2), 8082 (2), 8084, 8083   | 310 (2), 3313 (2), 4432, 4653, 4907                    |
| 6239                                | $2 \times 4 : 2 : 2 : 2$ | 64    | 1871100 | 8137, 8086, 8087   | 311 (2), 4432, 4655, 4907                              |
| 6240                                | $2^{1+4} : 2$            | 64    | 311850  | 8112 (3), 8086 (3), 8083   | 314 (4), 3314 (4), 4432 (6), 4697 (3)                  |
| 6241                                | $2^{1+4} : 2$            | 64    | 1871100 | 8162, 8088 (2), 8087, 8111 (2), 8083   | 315 (2), 3315 (2), 4432, 4689, 4907                    |
| 6242                                | $2 \times 4 : 2 : 2 : 2$ | 64    | 935550  | 8112, 8084, 8087   | 316 (4), 4432 (2), 4678, 4911 (2)                      |
| 6243                                | $8 : 2 : 2 : 2$          | 64    | 1871100 | 8162, 8086, 8084   | 317 (2), 4432, 4681, 4907                              |
| 6244                                | $D_8 \cdot 2^3$          | 64    | 3742200 | 8090, 8091, 8095, 8559, 8560, 8561, 8562, 8093, 8127, 8089, 8265, 8563, 8564, 8565, 8094 | 443 (2), 4859  |
| 6245                                | $D_8 : (2 \times 4)$     | 64    | 1871100 | 8097, 8100, 8099, 8098, 8236, 8101, 8096   | 741 (4), 4670, 4860, 4862                              |
| 6246                                | $D_8 : 2^3$              | 64    | 1871100 | 8103 (2), 8104 (2), 8105, 8093 (2), 8566, 8567, 8564 (2), 8102, 8287, 8568, 8569         | 895 (2), 4433, 4859, 4895                              |
| 6247                                | $D_8 : D_8$              | 64    | 1871100 | 8465, 8570, 8571, 8466, 8102, 8106, 8286   | 896 (2), 3316, 4433, 4610, 4650                        |
| 6248                                | $D_8 : 2^3$              | 64    | 623700  | 8105 (3), 8468, 8572 (3), 8107 (3), 8573 (3), 8286, 8467                                 | 897 (2), 3317, 4433 (3), 4612, 4650 (3)                |
| 6249                                | $D_8 : D_8$              | 64    | 1871100 | 8102, 8574, 8107, 8575, 8288, 8576, 8577   | 898 (2), 4433, 4786, 4892                              |
| 6250                                | $D_8 : (2 \times 4)$     | 64    | 1871100 | 8105, 8578, 8579, 8288, 8580, 8581, 8106   | 899 (2), 4433, 4866, 4892                              |
| 6251                                | $D_8 : D_8$              | 64    | 1871100 | 8287, 8582, 8106, 8583, 8107, 8584, 8585   | 900 (2), 4433, 4869, 4895                              |
| 6252                                | $2^2 \times 4 : 2 : 2$   | 64    | 935550  | 8109, 8186 (2), 8172 (2), 8113, 8247, 8166 (2), 8176 (2), 8108, 8112, 8114, 8110         | 1598 (4), 2493 (2), 3408 (2), 4444 (2), 4462, 4675 (2) |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6253                                | $D_8 \times 2 \cdot 2 : 2$ | 64    | 935550  | 8295, 8391, 8390   | 1607, 3406 (2), 4435, 4438, 4439, 4440, 4447, 4452, 4453       |
| 6254                                | $2 \times 4 : 2 : 2 : 2$   | 64    | 1871100 | 8303, 8586, 8587   | 1610, 4441, 4451, 4457   |
| 6255                                | $D_8 \times 2 \cdot 2 : 2$ | 64    | 467775  | 8295, 8588, 8589   | 1611, 4437, 4440 (2), 4442, 4443 (2), 4450 (2), 4455, 4456 (2) |
| 6256                                | $D_8 \times D_8$           | 64    | 935550  | 8115, 8126, 8123, 8120, 8117, 8121, 8112, 8116, 8119, 8122, 8124, 8274, 8253, 8125, 8118                                 | 1615 (4), 3397, 4444 (2), 4532, 4603 (2)                       |
| 6257                                | $D_8 \times 2^3$           | 64    | 623700  | 8129 (3), 8187 (3), 8155, 8188 (3), 8130 (3), 8247, 8150, 8185, 8115 (3), 8189 (3), 8133 (3), 8132 (3), 8179, 8128, 8273 | 1647 (2), 3403, 3467 (3), 4444 (3), 4466, 4483 (3)             |
| 6258                                | $D_8 \times D_8$           | 64    | 1871100 | 8252, 8134, 8116, 8147, 8108, 8131, 8190, 8149, 8128, 8191, 8141, 8260, 8137, 8169, 8170                                 | 1648 (2), 3336, 3337, 3639, 4444, 4467, 4478                   |
| 6259                                | $D_8 \times D_8$           | 64    | 1871100 | 8132, 8156, 8192, 8177, 8131, 8142, 8269, 8193, 8135, 8152, 8182, 8194, 8166, 8139, 8274                                 | 1649 (2), 3400, 3424, 4444, 4468, 4476                         |
| 6260                                | $D_8 \times 2^3$           | 64    | 623700  | 8133 (3), 8197 (3), 8195 (3), 8196 (3), 8186 (3), 8136 (3), 8143, 8153, 8117, 8275, 8148 (3), 8157 (3), 8183, 8270, 8131 | 1650 (2), 3401, 3650, 4444 (3), 4469, 4477 (3)                 |
| 6261                                | $D_8 \times D_8$           | 64    | 1871100 | 8128, 8151, 8198, 8180, 8135, 8140, 8271, 8118, 8136, 8154, 8199, 8276, 8114, 8144, 8200                                 | 1651 (2), 3404, 3709, 4444, 4470, 4482                         |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                            |
| 6262                                | $D_8 \times (2 \times 4)$   | 64    | 1871100 | 8133, 8119, 8159,<br>8135, 8172, 8145,<br>8201, 8202, 8232,<br>8203, 8158, 8134,<br>8277, 8138, 8204 | 1652 (2), 3715, 4444,<br>4471, 4538           |
| 6263                                | $D_8 \times D_8$            | 64    | 1871100 | 8132, 8160, 8205,<br>8206, 8136, 8138,<br>8176, 8278, 8134,<br>8161, 8207, 8208,<br>8272, 8146, 8120 | 1653 (2), 3725, 4444,<br>4472, 4538           |
| 6264                                | $D_8 \times D_8$            | 64    | 935550  | 8129 (2), 8140 (2),<br>8163 (2), 8138 (2),<br>8148 (2), 8162, 8139<br>(2), 8137, 8112                | 1654 (4), 4432 (2),<br>4444 (2), 4759         |
| 6265                                | $D_8 \times D_8$            | 64    | 1871100 | 8129, 8141, 8165,<br>8167, 8143, 8146,<br>8109, 8209, 8145,<br>8144, 8210, 8211,<br>8253, 8142, 8279 | 1655 (2), 3398, 3518<br>(2), 4444, 4473, 4568 |
| 6266                                | $D_8 \times 2 : 2 \times 2$ | 64    | 1871100 | 8141, 8214, 8212,<br>8178, 8254, 8161,<br>8130, 8153, 8121,<br>8213, 8110, 8280,<br>8140, 8159, 8152 | 1656 (2), 3399, 4444,<br>4474, 4567           |
| 6267                                | $D_8 \times (2 \times 4)$   | 64    | 1871100 | 8240, 8216, 8215,<br>8173, 8122, 8171,<br>8172, 8164, 8142,<br>8158, 8138, 8153,<br>8155, 8151, 8147 | 1657 (2), 3338, 3339,<br>4444, 4471, 4475     |
| 6268                                | $D_8 \times D_8$            | 64    | 1871100 | 8143, 8154, 8176,<br>8175, 8150, 8152,<br>8123, 8174, 8138,<br>8160, 8217, 8218,<br>8258, 8147, 8261 | 1658 (2), 3340, 3341,<br>4444, 4472, 4475     |
| 6269                                | $D_8 \times D_8$            | 64    | 1871100 | 8150, 8221, 8219,<br>8161, 8145, 8168,<br>8281, 8151, 8148,<br>8220, 8124, 8156,<br>8166, 8282, 8149 | 1659 (2), 3402, 4444,<br>4476, 4514           |
| 6270                                | $2^3 \times 4 : 2$          | 64    | 1871100 | 8283, 8224, 8146,<br>8181, 8155, 8157,<br>8222, 8149, 8186,<br>8159, 8126, 8154,<br>8139, 8223, 8184 | 1660 (2), 3405, 4444,<br>4477, 4515           |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6271                                | $D_8 \times 2 : 2 \times 2$ | 64    | 1871100 | 8130, 8125, 8225, 8144, 8157, 8226, 8113, 8156, 8158, 8227, 8284, 8137, 8285, 8228, 8160 | 1661 (2), 4444, 4478, 4760                                   |
| 6272                                | $D_8 \times D_8$            | 64    | 1871100 | 8179, 8206, 8203, 8228, 8139, 8181, 8166, 8180, 8165, 8177, 8117, 8178, 8258, 8164, 8260 | 1715 (2), 3342, 3343, 4444, 4468, 4477                       |
| 6273                                | $D_8 \times D_8$            | 64    | 1871100 | 8185, 8184, 8114, 8204, 8140, 8207, 8227, 8168, 8167, 8164, 8252, 8183, 8121, 8182, 8261 | 1716 (2), 3344, 3345, 3643, 4444, 4470, 4474                 |
| 6274                                | $D_8 \times 2 \cdot 2 : 2$  | 64    | 155925  | 8295, 8393, 8392   | 1720, 3407 (4), 4436, 4446 (6), 4447 (6), 4454 (3), 4455 (3) |
| 6275                                | $D_8 \times 2^2 : 2$        | 64    | 1871100 | 8209, 8201, 8120, 8225, 8163, 8196, 8193, 8214, 8273, 8168, 8283, 8180, 8172, 8175, 8170 | 1726 (2), 3409, 4444, 4513, 4538                             |
| 6276                                | $D_8 \times D_8$            | 64    | 1871100 | 8210, 8226, 8119, 8208, 8163, 8213, 8195, 8194, 8179, 8276, 8281, 8184, 8176, 8170, 8171 | 1727 (2), 3410, 4444, 4511, 4538                             |
| 6277                                | $D_8 \times D_8$            | 64    | 1871100 | 8211, 8202, 8125, 8205, 8162, 8197, 8212, 8192, 8185, 8282, 8271, 8181, 8108, 8175, 8171 | 1728 (2), 3411, 3757, 4444, 4478, 4481                       |
| 6278                                | $D_8 \times 2 : 2 \times 2$ | 64    | 1871100 | 8188, 8205, 8163, 8225, 8172, 8198, 8219, 8223, 8270, 8182, 8165, 8280, 8123, 8169, 8173 | 1729 (2), 3412, 3669 (2), 3670, 4444, 4475, 4513             |
| 6279                                | $D_8 \times D_8$            | 64    | 1871100 | 8187, 8221, 8199, 8226, 8202, 8163, 8176, 8222, 8183, 8174, 8169, 8178, 8269, 8279, 8122 | 1730 (2), 3413, 3657, 4444, 4475, 4511                       |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 6280                                | $2^3 \cdot 2 : 2 \times 2$ | 64    | 1871100 | 8189, 8220, 8224,<br>8208, 8201, 8162,<br>8113, 8200, 8275,<br>8174, 8173, 8177,<br>8254, 8167, 8116 | 1731 (2), 3414, 4444,<br>4478, 4528                                   |
| 6281                                | $2 \times 4 : 2 : 2 : 2$   | 64    | 1871100 | 8458, 8590, 8591   | 1733, 4434, 4445,<br>4448   |
| 6282                                | $D_8 \times 2 \cdot 2 : 2$ | 64    | 935550  | 8457, 8590, 8592   | 1735, 4434 (2), 4449,<br>4458 (2)                                     |
| 6283                                | $2^3 \times 4 : 2$         | 64    | 1871100 | 8188, 8192, 8139,<br>8214, 8232, 8191,<br>8124, 8216, 8186,<br>8207, 8210, 8284,<br>8217, 8199, 8224 | 1765 (2), 3743, 4444,<br>4476, 4515                                   |
| 6284                                | $D_8 \times D_8$           | 64    | 1871100 | 8187, 8218, 8191,<br>8228, 8204, 8209,<br>8166, 8126, 8197,<br>8220, 8198, 8213,<br>8272, 8148, 8215 | 1766 (2), 3748, 4444,<br>4477, 4514                                   |
| 6285                                | $D_8 \times 2^2 : 2$       | 64    | 1871100 | 8189, 8218, 8216,<br>8206, 8277, 8211,<br>8110, 8118, 8196,<br>8221, 8223, 8194,<br>8285, 8140, 8190 | 1767 (2), 4444, 4482,<br>4567   |
| 6286                                | $D_8 \times D_8$           | 64    | 1871100 | 8115, 8200, 8217,<br>8212, 8203, 8278,<br>8109, 8215, 8195,<br>8190, 8219, 8227,<br>8129, 8193, 8222 | 1768 (2), 4444, 4483,<br>4568   |
| 6287                                | $D_8 \times 2^3$           | 64    | 44550   | 8230, 8370 (7), 8231,<br>8368 (7), 8229, 8341<br>(7), 8345 (7)                                       | 1930 (8), 3419 (28),<br>3420, 4506 (21)                               |
| 6288                                | $2 \times 4 : 2 : 2 : 2$   | 64    | 935550  | 8245, 8391, 8401   | 2485 (2), 3550 (2),<br>4435, 4459, 4460,<br>4461, 4520, 4656,<br>4659 |
| 6289                                | $D_8 \times (2 \times 4)$  | 64    | 1871100 | 8232, 8235, 8239,<br>8242, 8234, 8142,<br>8243, 8238, 8236,<br>8233, 8244, 8241,<br>8240, 8237, 8145 | 2486 (4), 3354, 3355,<br>3421 (2), 4471, 4473,<br>4476                |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6290                                | $D_8 \times 2^2 : 2$       | 64    | 467775  | 8245 (2), 8383 (2), 8593, 8458 (2), 8108 (2), 8389 (2), 8594, 8303 (2), 8246     | 2487 (4), 3390 (4), 3391 (4), 4445, 4451, 4459, 4462, 4463, 4467, 4479, 4480, 4481, 4486, 4487, 4586, 4702, 4779, 4832 |
| 6291                                | $8 : 2 : 2 : 2$            | 64    | 935550  | 8245, 8595, 8391   | 2488 (2), 4438, 4459, 4464, 4465, 4488, 4674, 4703   |
| 6292                                | $D_8 \times 2^2 : 2$       | 64    | 935550  | 8427, 8243 (2), 8302 (2), 8444, 8109, 8423 (2), 8416 (2), 8412, 8247, 8248, 8245 | 2489 (2), 3393 (2), 3574 (2), 4460, 4462, 4465, 4473, 4483, 4489, 4675   |
| 6293                                | $8 : 2 : 2 : 2$            | 64    | 935550  | 8245, 8419, 8393   | 2490 (2), 3553 (2), 4446, 4460, 4463, 4464, 4490, 4699, 4704   |
| 6294                                | $2 \times 4 : 2 : 2 : 2$   | 64    | 935550  | 8245, 8588, 8419   | 2491 (2), 4443, 4461, 4463, 4465, 4491, 4676, 4701   |
| 6295                                | $D_8 \times 2^2 : 2$       | 64    | 935550  | 8245, 8315 (2), 8110, 8501 (2), 8596, 8249, 8412, 8529 (2), 8597, 8503 (2), 8114 | 2492 (2), 3396 (2), 4461, 4462, 4464, 4474, 4482, 4492, 4705   |
| 6296                                | $D_8 \times 2^2 : 2$       | 64    | 467775  | 8248 (2), 8397 (2), 8598, 8308 (4), 8114 (2), 8386 (2), 8599, 8246               | 2494 (4), 3525 (4), 3540 (4), 4462, 4470 (2), 4496 (2), 4614, 4702 (2), 4779 (2), 4890                                 |
| 6297                                | $2^6$                      | 64    | 10395   | 8310 (20), 8378 (15), 8395 (15), 8247 (6), 8249 (6), 8246                        | 2495 (36), 3460 (20), 3461 (20), 4462 (45), 4466 (15), 4499 (15)   |
| 6298                                | $2^3 \cdot 2 \times 2 : 2$ | 64    | 935550  | 8444, 8520 (2), 8600, 8528 (2), 8113, 8313 (2), 8597, 8510 (2), 8249, 8248, 8108 | 2496 (2), 3755 (2), 4462, 4478 (2), 4705 (2)   |
| 6299                                | $2^{1+4} : 2$              | 64    | 3742200 | 8463, 8464, 8362, 8092, 8601, 8462, 8089   | 3311, 3312 (2), 4494   |
| 6300                                | $D_8 \times 2^3$           | 64    | 155925  | 8246, 8376 (6), 8128 (4), 8290 (4), 8382, 8252 (4), 8255 (6), 8262 (4), 8358     | 3318, 3319 (4), 3492 (4), 4466, 4467 (6), 4470 (6), 4586 (3), 4614 (3)   |

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| Nr.                                 | Structure                 | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 6301                                | $D_8 \times 2^3$          | 64    | 623700 | 8247, 8285 (3), 8272, 8129 (3), 8232, 8281 (3), 8283 (3), 8271, 8253 (3), 8254 (3), 8269, 8270, 8240 (3), 8258 (3), 8252   | 3320, 3321 (3), 3388 (6), 3596, 4444 (3), 4466, 4473 (3)                       |
| 6302                                | $D_8 \times 2^3$          | 64    | 623700 | 8252, 8377 (3), 8291 (3), 8530, 8249, 8254 (3), 8267 (3), 8307, 8185, 8130 (3), 8469 (3), 8522, 8460, 8256 (3), 8266 (3)   | 3322, 3323 (3), 3642, 4466, 4474 (3), 4478 (3)                                 |
| 6303                                | $D_8 \times 2^3$          | 64    | 311850 | 8257 (2), 8482, 8471 (3), 8470 (6), 8260 (6), 8602 (3), 8456, 8131 (2), 8255 (3), 8389 (3), 8358   | 3324 (2), 3325, 3586, 4467 (3), 4468 (3), 4469, 4522, 4542 (3), 4549 (3), 4554 |
| 6304                                | $D_8 \times 2^3$          | 64    | 935550 | 8254 (2), 8603 (2), 8472 (2), 8474 (2), 8267 (2), 8132 (2), 8258 (2), 8189 (2), 8268 (4), 8604, 8473 (4), 8476, 8605, 8475, 8255, 8396, 8395                             | 3326 (2), 3327, 4466, 4468, 4472, 4528, 4567, 4596, 4626                       |
| 6305                                | $D_8 \times 2^3$          | 64    | 935550 | 8253, 8479, 8606, 8268 (2), 8477 (2), 8607, 8480, 8478 (2), 8263 (2), 8256, 8115, 8381, 8240 (2), 8481, 8608, 8266 (2), 8133 (2), 8609, 8476, 8292 (2), 8378, 8255, 8380 | 3328 (2), 3329, 4466, 4469, 4471, 4532, 4568, 4603, 4620                       |
| 6306                                | $D_8 \times (2 \times 4)$ | 64    | 935550 | 8382, 8610, 8293 (2), 8134 (2), 8383, 8611, 8255, 8483, 8147 (2), 8233 (2), 8482   | 3330, 3331 (2), 4467, 4471, 4472, 4533, 4585, 4615, 4618                       |
| 6307                                | $D_8 \times (2 \times 4)$ | 64    | 935550 | 8255, 8486 (2), 8241 (2), 8612, 8398, 8484, 8164 (2), 8135 (2), 8397, 8613, 8485   | 3332, 3333 (2), 4468, 4470, 4471, 4535, 4598, 4619, 4621                       |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 6308                                | $D_8 \times 2^3$ | 64    | 935550  | 8256 (2), 8614 (2),<br>8294 (2), 8488 (2),<br>8261 (2), 8487 (4),<br>8386, 8264 (4), 8255,<br>8615, 8490, 8136 (2),<br>8387 (2), 8259 (2),<br>8616, 8489, 8388                                   | 3334 (2), 3335, 4469,<br>4470, 4472, 4537,<br>4602, 4616, 4630                  |
| 6309                                | $D_8 \times D_8$ | 64    | 935550  | 8295, 8233 (2), 8407,<br>8257 (2), 8141 (2),<br>8406 (2), 8296 (2),<br>8252 (2), 8245  | 3346 (2), 3347 (2),<br>3475 (2), 4435, 4438,<br>4443, 4446, 4467,<br>4473, 4474 |
| 6310                                | $D_8 \times D_8$ | 64    | 1871100 | 8258, 8309, 8305,<br>8417, 8241, 8269,<br>8297, 8415, 8257,<br>8418, 8311, 8317,<br>8165, 8416, 8142   | 3348, 3349, 3417 (4),<br>3435, 3479 (2), 4468,<br>4473, 4475                    |
| 6311                                | $D_8 \times 2^3$ | 64    | 623700  | 8240 (3), 8425 (3),<br>8424 (3), 8312 (3),<br>8279 (3), 8422 (3),<br>8423 (3), 8259 (3),<br>8234, 8143, 8298,<br>8270, 8297, 8306,<br>8257   | 3350, 3351, 3433,<br>3482 (2), 4469, 4473<br>(3), 4475 (3)                      |
| 6312                                | $D_8 \times D_8$ | 64    | 1871100 | 8252, 8144, 8167,<br>8299, 8259, 8235,<br>8309, 8271, 8241,<br>8433, 8300, 8435,<br>8298, 8434, 8248   | 3352, 3353, 3505 (2),<br>3598, 4470, 4473,<br>4478                              |
| 6313                                | $D_8 \times D_8$ | 64    | 1871100 | 8258, 8237, 8317,<br>8302, 8259, 8437,<br>8143, 8438, 8233,<br>8146, 8318, 8272,<br>8301, 8436, 8434   | 3356, 3357, 3506 (2),<br>4472, 4473, 4477                                       |
| 6314                                | $D_8 \times D_8$ | 64    | 935550  | 8257 (2), 8492 (2),<br>8169 (2), 8147 (2),<br>8617, 8457, 8491 (2),<br>8262 (2), 8458  | 3358 (2), 3359 (2),<br>4434 (2), 4467, 4475<br>(2)                              |
| 6315                                | $D_8 \times 2^3$ | 64    | 1871100 | 8240, 8335 (2), 8148,<br>8324 (2), 8274, 8260,<br>8321 (2), 8282, 8263<br>(2), 8280, 8325 (2),<br>8277, 8250 (2), 8264<br>(2), 8273, 8323 (2),<br>8278, 8279, 8261,<br>8276, 8275, 8284,<br>8186 | 3360, 3361, 3389 (4),<br>4444, 4469, 4476                                       |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                         |
| 6316                                | $D_8 \times D_8$ | 64    | 1871100 | 8296, 8618, 8492, 8293, 8131, 8619, 8494, 8149, 8262, 8493, 8260, 8303, 8233, 8191, 8290                                 | 3362, 3363, 3423, 4467, 4476, 4477         |
| 6317                                | $D_8 \times 2^3$ | 64    | 623700  | 8240 (3), 8620 (3), 8621 (3), 8474 (3), 8479 (3), 8304, 8188 (3), 8262, 8150, 8269, 8495 (3), 8267 (3), 8314, 8307, 8310 | 3364, 3365, 3434, 4466, 4475 (3), 4476 (3) |
| 6318                                | $D_8 \times D_8$ | 64    | 1871100 | 8304, 8498, 8308, 8622, 8151, 8623, 8316, 8199, 8298, 8261, 8262, 8496, 8182, 8497, 8241                                 | 3366, 3367, 3436, 4470, 4475, 4476         |
| 6319                                | $D_8 \times D_8$ | 64    | 1871100 | 8257, 8624, 8519, 8501, 8460, 8178, 8305, 8164, 8182, 8625, 8152, 8500, 8459, 8499, 8267                                 | 3368, 3369, 3587, 4468, 4474, 4475         |
| 6320                                | $D_8 \times 2^3$ | 64    | 623700  | 8257, 8626 (3), 8280 (3), 8504 (3), 8153, 8627 (3), 8459, 8502 (3), 8266 (3), 8261 (3), 8307, 8503 (3), 8306, 8526, 8183 | 3370, 3371, 3588, 4469, 4474 (3), 4475 (3) |
| 6321                                | $D_8 \times D_8$ | 64    | 1871100 | 8259, 8628, 8198, 8309, 8262, 8154, 8308, 8497, 8164, 8521, 8461, 8505, 8506, 8629, 8183                                 | 3372, 3373, 3589, 4470, 4475, 4477         |
| 6322                                | $D_8 \times 2^3$ | 64    | 623700  | 8270, 8630 (3), 8631 (3), 8507 (3), 8187 (3), 8527, 8155, 8480 (3), 8474 (3), 8266 (3), 8258 (3), 8460, 8310, 8461, 8262 | 3374, 3375, 3590, 4466, 4475 (3), 4477 (3) |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6323                                | $D_8 \times D_8$          | 64    | 1871100 | 8267, 8632, 8499, 8192, 8260, 8156, 8177, 8508, 8241, 8633, 8511, 8509, 8311, 8634, 8510   | 3376, 3377, 4468, 4476, 4478                                 |
| 6324                                | $D_8 \times 2^3$          | 64    | 1871100 | 8266, 8517 (2), 8635, 8636, 8514 (2), 8264 (2), 8312, 8512, 8268 (2), 8197, 8637 (2), 8638 (2), 8516, 8260, 8335 (2), 8513 (2), 8157, 8639, 8275, 8504, 8313, 8515, 8259 | 3378, 3379, 4469, 4477, 4478                                 |
| 6325                                | $D_8 \times (2 \times 4)$ | 64    | 1871100 | 8266, 8202, 8640, 8641, 8520, 8241, 8173, 8518, 8314, 8521, 8158, 8642, 8234, 8147, 8519   | 3380, 3381, 4471, 4475, 4478                                 |
| 6326                                | $D_8 \times (2 \times 4)$ | 64    | 1871100 | 8266, 8643, 8644, 8519, 8153, 8523, 8315, 8164, 8239, 8645, 8159, 8524, 8522, 8204, 8233   | 3382, 3383, 4471, 4474, 4477                                 |
| 6327                                | $D_8 \times D_8$          | 64    | 1871100 | 8267, 8160, 8528, 8526, 8259, 8642, 8205, 8317, 8147, 8646, 8527, 8525, 8316, 8647, 8174   | 3384, 3385, 4472, 4475, 4478                                 |
| 6328                                | $D_8 \times D_8$          | 64    | 1871100 | 8267, 8648, 8531, 8207, 8233, 8649, 8152, 8529, 8261, 8643, 8526, 8319, 8318, 8161, 8530   | 3386, 3387, 4472, 4474, 4476                                 |
| 6329                                | $D_8 \times D_8$          | 64    | 935550  | 8128 (2), 8470 (2), 8650, 8293 (2), 8190 (2), 8491 (2), 8245, 8407, 8493 (2)   | 3392 (2), 4467, 4482, 4483, 4488, 4656, 4699, 4701           |
| 6330                                | $D_8 \times D_8$          | 64    | 935550  | 8426, 8438 (2), 8422 (2), 8414, 8211 (2), 8418 (2), 8242 (2), 8271 (2), 8245   | 3394 (2), 3573 (2), 4473, 4481, 4482, 4490, 4520, 4674, 4676 |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6331                                | $D_8 \times D_8$          | 64    | 935550  | 8245, 8502 (2), 8212 (2), 8319 (2), 8651, 8185 (2), 8523 (2), 8414, 8500 (2)   | 3395 (2), 4474, 4481, 4483, 4491, 4659, 4703, 4704                     |
| 6332                                | $2^{1+4} : 2$             | 64    | 155925  | 8295, 8400 (2), 8338 (2), 8401, 8360   | 3415, 3416 (2), 3468 (4), 4435 (6), 4436, 4437 (3), 4484 (6), 4485 (3) |
| 6333                                | $D_8 \times D_8$          | 64    | 935550  | 8287, 8339 (2), 8652, 8369 (2), 8286, 8367 (2), 8537, 8345 (2), 8288, 8536, 8653   | 3418 (4), 3591, 4433 (2), 4506 (2), 4632                               |
| 6334                                | $D_8 \times 2^3$          | 64    | 623700  | 8281 (3), 8630 (3), 8620 (3), 8530, 8232, 8291 (3), 8310, 8304, 8606 (3), 8603 (3), 8273, 8508, 8292 (3), 8132 (3), 8290 | 3422, 3597, 4466, 4476 (3), 4538 (3)                                   |
| 6335                                | $D_8 \times 2^3$          | 64    | 623700  | 8292 (3), 8636 (3), 8654 (3), 8655 (3), 8284 (3), 8294 (3), 8313 (3), 8282 (3), 8511, 8234, 8131, 8307, 8526, 8275, 8298 | 3425, 3595, 4469, 4476 (3), 4478 (3)                                   |
| 6336                                | $D_8 \times D_8$          | 64    | 1871100 | 8290, 8656, 8207, 8308, 8294, 8509, 8628, 8168, 8135, 8657, 8235, 8304, 8622, 8276, 8299                                 | 3426, 3599, 4470, 4476, 4538   |
| 6337                                | $D_8 \times (2 \times 4)$ | 64    | 1871100 | 8292, 8643, 8658, 8659, 8236, 8135, 8314, 8151, 8216, 8641, 8277, 8632, 8315, 8293, 8242                                 | 3427, 4471, 4476, 4482   |
| 6338                                | $D_8 \times D_8$          | 64    | 1871100 | 8132, 8660, 8649, 8316, 8294, 8661, 8237, 8150, 8293, 8634, 8646, 8319, 8217, 8278, 8302                                 | 3428, 4472, 4476, 4483   |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6339                                | $D_8 \times D_8$              | 64    | 155925  | 8253 (2), 8426, 8428 (2), 8300 (2), 8238 (2), 8427, 8301 (2), 8297 (2), 8295             | 3429 (2), 3483 (4), 4436, 4439 (6), 4442 (3), 4473 (6), 4532 (3)       |
| 6340                                | $D_8 \times D_8$              | 64    | 1871100 | 8281, 8441, 8443, 8299, 8242, 8442, 8210, 8302, 8298, 8318, 8311, 8296, 8238, 8279, 8269 | 3430, 3437, 3515 (2), 4473, 4476, 4511                                 |
| 6341                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550  | 8295, 8411, 8414, 8239 (2), 8167 (2), 8306, 8254 (2), 8413, 8412, 8318 (2), 8305         | 3431 (2), 3477 (2), 3592 (2), 4440, 4447, 4473, 4474, 4484, 4521, 4528 |
| 6342                                | $D_8 \times 2^2 : 2$          | 64    | 1871100 | 8296, 8214, 8499, 8662, 8531, 8291, 8182, 8315, 8239, 8663, 8280, 8664, 8307, 8168, 8319 | 3432, 3593 (2), 3594, 4474, 4476, 4513                                 |
| 6343                                | $D_8 \times D_8$              | 64    | 935550  | 8304 (2), 8665 (2), 8319 (2), 8242 (2), 8282 (2), 8666, 8667, 8192 (2), 8303             | 3438 (2), 4441 (2), 4476 (2), 4481                                     |
| 6344                                | $D_8 \times 2^2 : 2$          | 64    | 1871100 | 8243, 8668, 8669, 8510, 8186, 8670, 8671, 8529, 8310, 8315, 8302, 8308, 8166, 8313, 8303 | 3439, 3600 (2), 3601, 4462, 4476, 4477                                 |
| 6345                                | $2^3 \cdot 2 \times 2 : 2$    | 64    | 1871100 | 8283, 8446, 8442, 8438, 8243, 8445, 8209, 8435, 8270, 8312, 8165, 8309, 8301, 8239, 8296 | 3440, 3517 (2), 3602 (2), 3603, 4473, 4477, 4513                       |
| 6346                                | $D_8 \times 2^2 : 2$          | 64    | 1871100 | 8291, 8672, 8244, 8192, 8314, 8633, 8673, 8149, 8313, 8648, 8224, 8316, 8284, 8674, 8299 | 3441, 4476, 4478, 4515   |
| 6347                                | $2^3 \times 4 : 2$            | 64    | 1871100 | 8254, 8433, 8445, 8141, 8312, 8436, 8444, 8317, 8234, 8211, 8244, 8300, 8285, 8441, 8311 | 3442, 3516 (2), 4473, 4478, 4567                                       |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 6348                                | $2^{1+4} : 2$              | 64    | 311850  | 8245 (3), 8390 (3), 8360   | 3443, 3491 (2), 4435 (3), 4486, 4488 (3), 4489, 4490 (3), 4491 (3), 4492                      |
| 6349                                | $2^2 \times 4 \cdot 2 : 2$ | 64    | 311850  | 8610 (3), 8675 (3), 8328   | 3444 (4), 4500, 4585 (3), 4880 (3)  |
| 6350                                | $2^6$                      | 64    | 5775    | 8456 (9), 8539 (27), 8330 (27)   | 3445 (36), 3627 (4), 3628 (6), 3629 (3), 4493 (18), 4497 (54), 4498 (27), 4522 (27), 4523 (9) |
| 6351                                | $2^4 \cdot 2 : 2$          | 64    | 155925  | 8246, 8455 (8), 8676 (3), 8677 (3)   | 3446 (4), 3454 (4), 4479 (6), 4496 (6), 4499, 4586 (3), 4890 (3)                              |
| 6352                                | $D_8 \times 2^2 : 2$       | 64    | 155925  | 8678 (3), 8463 (8), 8679 (3), 8329   | 3447 (4), 4494 (6), 4495 (6), 4501, 4587 (3), 4889 (3)  |
| 6353                                | $2^3 \cdot 2 \times 2 : 2$ | 64    | 935550  | 8327, 8680 (2), 8681 (2), 8347 (2), 8682 (2), 8532 (2), 8683, 8337 (2), 8330   | 3448 (2), 4493, 4502, 4505, 4569, 4764, 4792, 4793  |
| 6354                                | $Q_8 : (2 \times 4)$       | 64    | 935550  | 8684, 8464 (2), 8685, 8533 (2), 8329   | 3449 (2), 4494, 4503, 4504, 4563, 4609, 4868, 4871  |
| 6355                                | $D_8 \times D_8$           | 64    | 1871100 | 8320, 8365, 8336, 8686, 8333, 8687, 8251, 8688, 8334, 8689, 8331, 8690, 8322, 8691, 8692   | 3450 (4), 4584, 4761, 4790  |
| 6356                                | $D_8 \times 2^3$           | 64    | 311850  | 8344 (2), 8693 (3), 8694 (3), 8538, 8539, 8348 (6), 8251 (6), 8286 (2), 8327 (3), 8347 (3), 8229   | 3451 (4), 3604, 4493, 4506 (3), 4539, 4579, 4581 (3), 4584 (3), 4588 (3)                      |
| 6357                                | $D_8 \times 2^3$           | 64    | 935550  | 8326 (2), 8695 (2), 8696, 8697, 8353 (2), 8289 (4), 8287 (2), 8350 (4), 8352 (2), 8351 (2), 8354, 8230, 8698, 8699 (2), 8700, 8327, 8349 (2) | 3452 (4), 4506, 4530, 4575, 4768, 4793, 4812, 4816  |

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| Nr.                                 | Structure                  | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 6358                                | $D_8 \times (2 \times 4)$  | 64    | 935550 | 8327, 8356 (2), 8346 (2), 8701, 8702, 8357, 8703, 8288 (2), 8355 (2), 8704, 8231   | 3453 (4), 4506, 4534, 4578, 4773, 4792, 4820, 4822               |
| 6359                                | $Q_8 : (2 \times 4)$       | 64    | 935550 | 8705, 8462 (4), 8706, 8329   | 3455 (2), 4494, 4508, 4516, 4609, 4724, 4899, 4901               |
| 6360                                | $D_8 \times 2^2 : 2$       | 64    | 935550 | 8707 (2), 8680 (2), 8681 (2), 8693 (2), 8708, 8532 (4), 8694, 8330   | 3456 (2), 4493, 4507, 4517, 4764, 4765, 4791, 4794               |
| 6361                                | $D_8 \times 2^2 : 2$       | 64    | 155925 | 8709 (3), 8534 (8), 8710 (3), 8329   | 3457 (4), 4501, 4503 (6), 4508 (6), 4629 (3), 4780 (3)           |
| 6362                                | $2^2 \times 4 \cdot 2 : 2$ | 64    | 311850 | 8711 (3), 8712 (3), 8328   | 3458 (4), 4500, 4633 (3), 4775 (3)                               |
| 6363                                | $D_8 \times 2^2 : 2$       | 64    | 155925 | 8713 (3), 8343 (8), 8714 (3), 8330   | 3459 (4), 4498, 4502 (6), 4507 (6), 4777 (3), 4795 (3)           |
| 6364                                | $2^2 \times 4 : 2 : 2$     | 64    | 155925 | 8246, 8715 (3), 8716 (3)   | 3462 (4), 3544 (4), 4480 (6), 4496 (6), 4499, 4614 (3), 4832 (3) |
| 6365                                | $8 : 2 \times 2 \cdot 2$   | 64    | 935550 | 8717, 8718, 8329   | 3463 (2), 4495, 4504, 4508, 4644, 4741, 4868, 4899               |
| 6366                                | $2^5 \cdot 2$              | 64    | 935550 | 8719, 8720 (2), 8702, 8721 (2), 8330   | 3464 (2), 4497, 4505, 4507, 4782, 4792, 4794, 4798               |
| 6367                                | $D_8 \times 2^3$           | 64    | 155925 | 8271 (4), 8380 (6), 8185 (4), 8461 (4), 8304 (4), 8396 (6), 8398, 8246, 8388   | 3465 (4), 3527 (4), 4466, 4470 (6), 4481 (6), 4832 (3), 4890 (3) |
| 6368                                | $D_8 \times 2^3$           | 64    | 623700 | 8271, 8472 (3), 8292 (3), 8507 (3), 8495 (3), 8527, 8314, 8189 (3), 8381 (3), 8377 (3), 8285 (3), 8249, 8516, 8508, 8128 | 3466 (3), 3752, 4466, 4478 (3), 4482 (3)                         |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6369                                | $2^{1+4} : 2$        | 64    | 3742200 | 8343, 8722, 8332, 8723, 8337, 8724, 8725   | 3469 (2), 3605, 4502   |
| 6370                                | $2^{1+4} : 2$        | 64    | 1871100 | 8305, 8405, 8340, 8402, 8338, 8403, 8404   | 3470 (4), 3473 (2), 3606, 3608, 4484, 4527, 4531                   |
| 6371                                | $D_8 \times 2^2 : 2$ | 64    | 935550  | 8354, 8339 (2), 8342 (2), 8543, 8542, 8363 (2), 8365 (2), 8357, 8690, 8726, 8229         | 3471 (8), 3474 (4), 3609, 4506, 4584 (2), 4588 (2)                 |
| 6372                                | $D_8 \times D_8$     | 64    | 1871100 | 8353, 8727, 8686, 8728, 8687, 8364, 8366, 8356, 8541, 8339, 8542, 8540, 8342, 8341, 8286 | 3472 (2), 3607, 4506, 4584, 4631                                   |
| 6373                                | $2^4 \cdot 2 : 2$    | 64    | 623700  | 8306, 8410 (3), 8408 (3), 8338, 8326 (3), 8409 (3), 8340                                 | 3476 (2), 3610, 3611, 4484 (3), 4527 (3), 4530                     |
| 6374                                | $D_8 \times D_8$     | 64    | 1871100 | 8351, 8729, 8730, 8731, 8732, 8371, 8355, 8372, 8481, 8541, 8544, 8537, 8344, 8342, 8345 | 3478 (2), 3612, 4506, 4592, 4632                                   |
| 6375                                | $D_8 \times D_8$     | 64    | 1871100 | 8352, 8733, 8734, 8735, 8736, 8373, 8346, 8374, 8545, 8540, 8544, 8536, 8344, 8341, 8339 | 3480 (2), 3613, 4506, 4601, 4631                                   |
| 6376                                | $2^{1+4} : 2$        | 64    | 935550  | 8295, 8420 (2), 8421, 8340 (2), 8419   | 3481 (2), 3581 (2), 4439, 4443, 4446, 4453, 4484, 4521, 4529       |
| 6377                                | $D_8 \times D_8$     | 64    | 1871100 | 8732, 8687, 8737, 8734, 8738, 8739, 8653, 8331, 8351, 8365, 8367, 8251, 8368, 8366, 8346 | 3484 (2), 4506, 4761, 4843   |
| 6378                                | $Q_8 : D_8$          | 64    | 1871100 | 8465, 8740, 8741, 8466, 8375, 8384, 8359   | 3485 (2), 3487 (4), 3614, 4510, 4610, 4651                         |
| 6379                                | $2^5 : 2$            | 64    | 935550  | 8296 (2), 8493 (2), 8170 (2), 8169 (2), 8376, 8678, 8742, 8383, 8483, 8471, 8358         | 3486 (2), 3488 (4), 3615, 4467, 4511, 4513, 4542, 4587, 4613, 4617 |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 6380                                | $2^{1+4} : 2$                 | 64    | 935550  | 8407, 8430 (2), 8429 (2), 8391, 8360   | 3489 (4), 3490 (2), 3616, 4435, 4488, 4509, 4512, 4555, 4556, 4557          |
| 6381                                | $2^{1+4} : 2$                 | 64    | 51975   | 8427 (3), 8392 (3), 8360   | 3493 (8), 3495 (4), 3618, 4436 (3), 4489 (6), 4512 (18), 4558 (3), 4561 (9) |
| 6382                                | $2^6$                         | 64    | 51975   | 8476 (6), 8378 (3), 8743 (18), 8388 (3), 8273 (12), 8516 (12), 8358, 8270 (4), 8307 (4)          | 3494 (8), 3496 (4), 3617, 4466 (3), 4469 (6), 4513 (18), 4607 (3), 4642 (9) |
| 6383                                | $D_8 \cdot 2^3$               | 64    | 623700  | 8379 (3), 8744 (3), 8745 (3), 8385 (3), 8468, 8467, 8359   | 3497 (2), 3621, 4510 (3), 4612, 4651 (3)                                    |
| 6384                                | $D_8 \times 2^3$              | 64    | 311850  | 8380 (3), 8515 (6), 8276 (6), 8746 (3), 8747 (3), 8386 (3), 8183 (2), 8298 (2), 8485, 8489, 8358 | 3498 (2), 3619, 4469, 4470 (3), 4511 (3), 4554, 4606, 4617 (3), 4639 (3)    |
| 6385                                | $2^{1+4} : 2$                 | 64    | 155925  | 8426, 8432 (2), 8431 (2), 8393, 8360   | 3499 (4), 3620, 4436, 4490 (6), 4509 (6), 4559 (3), 4560 (3)                |
| 6386                                | $D_8 \times D_8$              | 64    | 1871100 | 8352, 8748, 8749, 8370, 8251, 8728, 8730, 8369, 8355, 8652, 8736, 8364, 8331, 8750, 8363         | 3500 (2), 4506, 4790, 4811  |
| 6387                                | $D_8 \times D_8$              | 64    | 1871100 | 8287, 8727, 8748, 8374, 8348, 8751, 8731, 8368, 8356, 8752, 8735, 8363, 8737, 8367, 8372         | 3501 (2), 4506, 4816, 4843  |
| 6388                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550  | 8230, 8367 (2), 8753, 8373 (2), 8347, 8754, 8357, 8372 (2), 8751, 8364 (2), 8755                 | 3502 (4), 4506, 4793 (2), 4816 (2)  |
| 6389                                | $D_8 \times 2^2 : 2$          | 64    | 935550  | 8354, 8756, 8371 (2), 8374 (2), 8347, 8757, 8369 (2), 8366 (2), 8231, 8758, 8721                 | 3503 (4), 4506, 4792 (2), 4820 (2)  |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6390                                | $D_8 \times D_8$            | 64    | 1871100 | 8353, 8369, 8750, 8373, 8348, 8756, 8729, 8365, 8288, 8752, 8733, 8370, 8739, 8686, 8371   | 3504 (2), 4506, 4790, 4820   |
| 6391                                | $2^{1+4} : 2$               | 64    | 3742200 | 8759, 8760, 8761, 8762, 8763, 8724, 8361   | 3507 (2), 4814   |
| 6392                                | $2^{1+4} : 2$               | 64    | 935550  | 8414, 8402 (2), 8408 (2), 8419, 8360   | 3508 (4), 3510 (2), 3623, 4484, 4490, 4491, 4512, 4556, 4574, 4576       |
| 6393                                | $D_8 \times 2 : 2 \times 2$ | 64    | 935550  | 8396, 8509 (2), 8180 (2), 8764, 8397, 8765, 8309 (2), 8182 (2), 8358, 8484, 8490   | 3509 (4), 3511 (2), 3622, 4468, 4470, 4513, 4549, 4594, 4613, 4639       |
| 6394                                | $2^{1+4} \times 2$          | 64    | 311850  | 8412 (3), 8405 (6), 8439 (6), 8421 (3), 8326 (6), 8440 (6), 8360   | 3512 (2), 3624, 4484 (3), 4489, 4492, 4509 (3), 4557 (3), 4574 (3), 4575 |
| 6395                                | $D_8 \times 2^3$            | 64    | 155925  | 8395, 8508 (4), 8179 (4), 8766 (3), 8398, 8767 (3), 8269 (4), 8460 (4), 8358, 8475 (3), 8481 (3)   | 3513 (4), 3625, 4466, 4468 (6), 4511 (6), 4592 (3), 4637 (3)             |
| 6396                                | $Q_8 \times D_8$            | 64    | 311850  | 8394, 8768 (3), 8769 (3), 8399, 8537 (3), 8546 (3), 8359   | 3514 (4), 3626, 4510 (6), 4632 (3)                                       |
| 6397                                | $Q_8 : 2^3$                 | 64    | 1871100 | 8127 (2), 8770 (2), 8771 (2), 8091 (2), 8566, 8772, 8773, 8567, 8379, 8375, 8394   | 3519 (2), 4510, 4859, 4894   |
| 6398                                | $D_8 \times 2^3$            | 64    | 935550  | 8285 (2), 8469 (2), 8495 (2), 8473 (4), 8478 (4), 8187 (2), 8281 (2), 8605, 8766, 8130 (2), 8743, 8608, 8380, 8631 (2), 8620 (2), 8376, 8395 | 3520 (2), 4466, 4511, 4514, 4567, 4760, 4850, 4881                       |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 6399                                | $D_8 \times 2^3$            | 64    | 935550  | 8129 (2), 8507 (2),<br>8188 (2), 8473 (4),<br>8477 (4), 8291 (2),<br>8283 (2), 8743, 8767,<br>8377 (2), 8604, 8609,<br>8378, 8630 (2), 8621<br>(2), 8396, 8376 | 3521 (2), 4466, 4513,<br>4515, 4568, 4759,<br>4857, 4888 |
| 6400                                | $D_8 \times 2 : 2 \times 2$ | 64    | 935550  | 8406 (2), 8491 (2),<br>8149 (2), 8191 (2),<br>8376, 8602, 8610,<br>8389, 8774, 8742,<br>8382   | 3522 (2), 4467, 4514,<br>4515, 4585, 4758,<br>4828, 4830 |
| 6401                                | $D_8 \times 2^3$            | 64    | 935550  | 8381 (2), 8517 (4),<br>8282 (2), 8775 (2),<br>8776, 8387 (2), 8380,<br>8197 (2), 8323 (4),<br>8777, 8778 (2), 8388,<br>8502 (2), 8779, 8389,<br>8422 (2), 8780 | 3523 (2), 4469, 4481,<br>4514, 4602, 4801,<br>4853, 4856 |
| 6402                                | $D_8 \times 2^3$            | 64    | 935550  | 8115 (2), 8186 (2),<br>8313 (2), 8781, 8782,<br>8386, 8378, 8321 (4),<br>8514 (4), 8783 (2),<br>8784 (2), 8387 (2),<br>8423 (2), 8503 (2),<br>8697, 8785, 8389 | 3524 (2), 4462, 4469,<br>4515, 4603, 4776,<br>4778, 4857 |
| 6403                                | $D_8 \times 2 : 2 \times 2$ | 64    | 935550  | 8376, 8498 (2), 8746,<br>8397, 8168 (2), 8786,<br>8388, 8198 (2), 8765,<br>8435 (2), 8787  | 3526 (2), 4470, 4513,<br>4514, 4616, 4831,<br>4856, 4882 |
| 6404                                | $Q_8 : D_8$                 | 64    | 1871100 | 8375, 8576, 8399,<br>8788, 8385, 8789,<br>8577   | 3528 (2), 4510, 4786,<br>4891                            |
| 6405                                | $2^3 \times 4 : 2$          | 64    | 935550  | 8376, 8199 (2), 8747,<br>8398, 8184 (2), 8790,<br>8386, 8506 (2), 8764,<br>8299 (2), 8791  | 3529 (2), 4470, 4511,<br>4515, 4619, 4829,<br>4846, 4887 |
| 6406                                | $2^4 \cdot 2 \times 2$      | 64    | 935550  | 8378, 8315 (2), 8172<br>(2), 8792, 8793,<br>8383, 8243 (2), 8520<br>(2), 8794, 8782, 8397  | 3530 (2), 4462, 4471,<br>4513, 4620, 4776,<br>4781, 4888 |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                     |
| 6407                                | $D_8 \times (2 \times 4)$     | 64    | 935550  | 8380, 8204 (2), 8151 (2), 8786, 8612, 8382, 8235 (2), 8521 (2), 8791, 8616, 8397 | 3531 (2), 4470, 4471, 4514, 4618, 4828, 4837, 4879     |
| 6408                                | $D_8 \cdot (2 \times 4)$      | 64    | 1871100 | 8379, 8578, 8795, 8399, 8580, 8796, 8384   | 3532 (2), 4510, 4866, 4891                             |
| 6409                                | $D_8 \times (2 \times 4)$     | 64    | 935550  | 8380, 8202 (2), 8171 (2), 8776, 8797, 8398, 8242 (2), 8523 (2), 8798, 8799, 8383 | 3533 (2), 4471, 4481, 4511, 4621, 4834, 4849, 4887     |
| 6410                                | $2^4 \times 4$                | 64    | 155925  | 8378, 8232 (4), 8314 (4), 8522 (4), 8155 (4), 8608 (6), 8604 (6), 8382, 8398     | 3534 (4), 4466, 4471 (6), 4515 (6), 4835 (3), 4886 (3) |
| 6411                                | $Q_8 : D_8$                   | 64    | 1871100 | 8394, 8583, 8385, 8800, 8384, 8585, 8801   | 3535 (2), 4510, 4869, 4894                             |
| 6412                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550  | 8395, 8528 (2), 8711, 8386, 8176 (2), 8781, 8383, 8529 (2), 8709, 8302 (2), 8794 | 3536 (2), 4462, 4472, 4511, 4626, 4775, 4780, 4881     |
| 6413                                | $D_8 \times 2^2 : 2$          | 64    | 935550  | 8396, 8316 (2), 8613, 8386, 8154 (2), 8615, 8382, 8207 (2), 8790, 8434 (2), 8787 | 3537 (2), 4470, 4472, 4515, 4615, 4830, 4841, 4879     |
| 6414                                | $D_8 \times 2^3$              | 64    | 155925  | 8395, 8530 (4), 8527 (4), 8605 (6), 8388, 8272 (4), 8150 (4), 8609 (6), 8382     | 3538 (4), 4466, 4472 (6), 4514 (6), 4842 (3), 4884 (3) |
| 6415                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550  | 8396, 8175 (2), 8802, 8388, 8205 (2), 8777, 8383, 8438 (2), 8799, 8803, 8319 (2) | 3539 (2), 4472, 4481, 4513, 4630, 4839, 4853, 4882     |
| 6416                                | $2^3 \cdot 2 \times 2 : 2$    | 64    | 935550  | 8696, 8754 (2), 8804 (4), 8332 (4), 8805, 8720 (2), 8330                         | 3541 (2), 4497, 4502, 4517, 4791, 4793, 4798, 4799     |
| 6417                                | $D_8 : (2 \times 4)$          | 64    | 935550  | 8806, 8535 (4), 8807, 8329   | 3542 (2), 4495, 4503, 4516, 4644, 4749, 4871, 4901     |
| 6418                                | $4^3$                         | 64    | 155925  | 8798 (3), 8808 (3), 8329   | 3543 (4), 4501, 4504 (6), 4516 (6), 4623 (3), 4834 (3) |

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| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups                                     |
| 6419                                | $2^5 \cdot 2$                     | 64    | 155925 | 8809 (3), 8810 (3), 8330   | 3545 (4), 4498, 4505 (6), 4517 (6), 4796 (3), 4797 (3) |
| 6420                                | $2^2 \times 4 : 2 : 2$            | 64    | 311850 | 8777 (3), 8811 (3), 8328   | 3546 (4), 4500, 4641 (3), 4853 (3)                     |
| 6421                                | $D_8 \times 2^2 : 2$              | 64    | 935550 | 8416 (2), 8166 (2), 8510 (2), 8501 (2), 8395, 8793, 8397, 8711, 8389, 8785, 8713 | 3547 (2), 4462, 4468, 4514, 4596, 4775, 4777, 4850     |
| 6422                                | $2 \times 4 \cdot 2 : 2 \times 2$ | 64    | 935550 | 8418 (2), 8500 (2), 8192 (2), 8181 (2), 8780, 8809, 8797, 8802, 8398, 8389, 8396 | 3548 (2), 4468, 4481, 4515, 4598, 4796, 4846, 4849     |
| 6423                                | $D_8 \times 2 \cdot 2 : 2$        | 64    | 935550 | 8407, 8401, 8390   | 3549 (2), 4435, 4518, 4519, 4656, 4657, 4658, 4660     |
| 6424                                | $8 : 2 : 2 : 2$                   | 64    | 155925 | 8427, 8401, 8393   | 3551 (4), 4436, 4460 (6), 4519 (6), 4662 (3), 4664 (3) |
| 6425                                | $2 \times 4 : 2 : 2 : 2$          | 64    | 155925 | 8426, 8392, 8401   | 3552 (4), 4436, 4518 (6), 4520 (6), 4661 (3), 4663 (3) |
| 6426                                | $D_8 \times 2 \cdot 2 : 2$        | 64    | 935550 | 8407, 8419, 8392   | 3554 (2), 4446, 4512, 4518, 4698, 4701, 4706, 4709     |
| 6427                                | $2^{1+4} : 2$                     | 64    | 935550 | 8248 (2), 8447 (2), 8245, 8421, 8392   | 3555 (2), 4446, 4489, 4520, 4701, 4702, 4703, 4705     |
| 6428                                | $2^{1+4} : 2$                     | 64    | 935550 | 8407, 8449 (2), 8448 (2), 8421, 8393   | 3556 (2), 4446, 4509, 4519, 4699, 4700, 4707, 4708     |
| 6429                                | $D_8 \times 2^2 \cdot 2$          | 64    | 935550 | 8412, 8451 (2), 8391, 8450 (2), 8393   | 3557 (2), 4447, 4460, 4464, 4509, 4707, 4717, 4718     |
| 6430                                | $D_8 \times 2 \cdot 2 : 2$        | 64    | 935550 | 8414, 8391, 8392   | 3558 (2), 4447, 4512, 4520, 4703, 4706, 4716, 4720     |
| 6431                                | $D_8 \times 2^2 \cdot 2$          | 64    | 935550 | 8444 (2), 8447 (2), 8412, 8390, 8392   | 3559 (2), 4447, 4489, 4518, 4705, 4709, 4716, 4719     |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                 |
| 6432                                | $8 : 2 : 2 : 2$             | 64    | 935550  | 8414, 8390, 8393   | 3560 (2), 4447, 4490, 4519, 4704, 4708, 4718, 4721 |
| 6433                                | $2^{1+4} : 2$               | 64    | 935550  | 8109 (2), 8447 (2), 8427, 8421, 8390   | 3561 (2), 4439, 4489, 4519, 4673, 4675, 4711, 4714 |
| 6434                                | $D_8 \times 2 \cdot 2 : 2$  | 64    | 935550  | 8426, 8419, 8390   | 3562 (2), 4439, 4490, 4518, 4672, 4676, 4710, 4713 |
| 6435                                | $2^{1+4} : 2$               | 64    | 935550  | 8426, 8097 (2), 8391, 8452 (2), 8421   | 3563 (2), 4439, 4509, 4520, 4670, 4674, 4710, 4715 |
| 6436                                | $8 : 2 : 2 : 2$             | 64    | 935550  | 8427, 8419, 8391   | 3564 (2), 4439, 4460, 4465, 4512, 4671, 4712, 4714 |
| 6437                                | $2^{1+4} : 2$               | 64    | 935550  | 8414, 8404 (2), 8410 (2), 8421, 8401   | 3565 (2), 4484, 4519, 4520, 4659, 4660, 4767, 4770 |
| 6438                                | $2^4 \cdot 2 : 2$           | 64    | 1871100 | 8411, 8402, 8420, 8326, 8400, 8404, 8409   | 3566 (2), 4484, 4766, 4768                         |
| 6439                                | $D_8 \times 2^2 \cdot 2$    | 64    | 935550  | 8412, 8403 (2), 8419, 8409 (2), 8401   | 3567 (2), 4460, 4461, 4484, 4518, 4658, 4757, 4770 |
| 6440                                | $2^{1+4} : 2$               | 64    | 1871100 | 8413, 8403, 8410, 8420, 8408, 8405, 8400   | 3568 (2), 4484, 4766, 4769                         |
| 6441                                | $D_8 \times D_8$            | 64    | 1871100 | 8281, 8413, 8406, 8441, 8235, 8424, 8416, 8145, 8422, 8436, 8435, 8417, 8272, 8209, 8428 | 3569 (2), 3727, 4473, 4514, 4538                   |
| 6442                                | $2^3 \times 4 : 2$          | 64    | 1871100 | 8283, 8445, 8210, 8434, 8232, 8244, 8146, 8299, 8423, 8425, 8415, 8418, 8428, 8411, 8406 | 3570 (2), 3728, 4473, 4515, 4538                   |
| 6443                                | $D_8 \times 2 : 2 \times 2$ | 64    | 935550  | 8285 (2), 8417 (2), 8425 (2), 8443, 8236, 8407, 8412, 8144 (2), 8437, 8446, 8426         | 3571 (2), 4473, 4482, 4509, 4518, 4670, 4672, 4760 |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 6444                                | $D_8 \times D_8$            | 64    | 935550  | 8129 (2), 8424 (2),<br>8415 (2), 8237 (2),<br>8414, 8427, 8433 (2),<br>8442 (2), 8407     | 3572 (2), 4473, 4483,<br>4512, 4519, 4671,<br>4673, 4759                      |
| 6445                                | $Q_8 : 2^3$                 | 64    | 1871100 | 8446, 8090 (2), 8430,<br>8453 (2), 8452, 8127<br>(2), 8440, 8103 (2),<br>8432, 8449, 8450 | 3575 (2), 4509, 4859,<br>4861   |
| 6446                                | $Q_8 : (2 \times 4)$        | 64    | 1871100 | 8236, 8448, 8097,<br>8450, 8431, 8429,<br>8440  | 3576 (2), 4509, 4860,<br>4862   |
| 6447                                | $2^{1+4} : 2$               | 64    | 1871100 | 8437, 8451, 8448,<br>8452, 8429, 8439,<br>8432  | 3577 (2), 4509, 4858,<br>4861   |
| 6448                                | $2^{1+4} : 2$               | 64    | 1871100 | 8443, 8449, 8097,<br>8451, 8431, 8430,<br>8439  | 3578 (2), 4509, 4783,<br>4862   |
| 6449                                | $2^{1+4} : 2$               | 64    | 467775  | 8295, 8812 (2), 8813,<br>8454 (2), 8595   | 3579 (2), 4438 (2),<br>4442, 4454, 4456 (2),<br>4485, 4521 (2), 4524<br>(2)   |
| 6450                                | $2^{1+4} : 2$               | 64    | 1871100 | 8303, 8814, 8455 (2),<br>8815 (2), 8816   | 3580 (2), 4441, 4457,<br>4479   |
| 6451                                | $D_8 \times 2^2 : 2$        | 64    | 623700  | 8340, 8817 (3), 8818<br>(3), 8454, 8699 (3),<br>8819 (3), 8306                            | 3582, 3583, 4521 (3),<br>4527 (3), 4530                                       |
| 6452                                | $2^{1+4} : 2$               | 64    | 1871100 | 8305, 8820, 8340,<br>8821, 8454, 8822,<br>8823  | 3584, 3585, 4521,<br>4527, 4531   |
| 6453                                | $2^{1+4} : 2$               | 64    | 1871100 | 8458, 8824, 8455 (2),<br>8815 (2), 8592   | 3630 (2), 4434, 4448,<br>4479   |
| 6454                                | $2^{1+4} : 2$               | 64    | 935550  | 8457, 8825 (2), 8454<br>(2), 8591, 8824   | 3631 (2), 4434 (2),<br>4524, 4526 (2)   |
| 6455                                | $2^{1+4} : 2$               | 64    | 935550  | 8457, 8826, 8454,<br>8827, 8338, 8828,<br>8829  | 3632, 3633, 4485,<br>4526 (2), 4527 (2)                                       |
| 6456                                | $D_8 \times 2 : 2 \times 2$ | 64    | 311850  | 8456, 8682 (3), 8327<br>(3), 8707 (3), 8708<br>(3), 8454, 8338                            | 3634, 3635, 4485 (3),<br>4493, 4526 (3), 4530,<br>4531 (3), 4534, 4536<br>(3) |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6457                                | $2^3 \cdot 2 : 2 \times 2$  | 64    | 467775  | 8255 (2), 8830, 8774, 8494 (2), 8483 (2), 8650, 8593, 8116 (2), 8456, 8457, 8295   | 3636 (2), 3637 (2), 4449, 4450, 4452, 4455, 4467, 4485, 4522, 4524, 4525, 4528, 4529, 4532, 4533, 4535, 4537 |
| 6458                                | $D_8 \times D_8$            | 64    | 467775  | 8295, 8831 (2), 8651, 8524 (2), 8121 (2), 8531 (2), 8459 (2), 8256 (2), 8596   | 3638 (2), 4437, 4453 (2), 4454, 4456 (2), 4474 (2), 4532, 4537 (2)   |
| 6459                                | $D_8 \times D_8$            | 64    | 1871100 | 8296, 8832, 8178, 8833, 8524, 8529, 8460, 8184, 8318, 8664, 8504, 8213, 8183, 8523, 8469                                 | 3640, 3641, 4474, 4477, 4511   |
| 6460                                | $D_8 \times D_8$            | 64    | 1871100 | 8472, 8834, 8633, 8835, 8228, 8181, 8486, 8510, 8317, 8512, 8519, 8177, 8131, 8309, 8460                                 | 3644, 3645, 4468, 4477, 4478   |
| 6461                                | $D_8 \times 2^2 : 2$        | 64    | 467775  | 8475 (2), 8836 (2), 8809, 8713, 8177 (4), 8484 (2), 8456, 8305 (2)   | 3646 (2), 3647 (2), 4468 (2), 4498, 4528, 4531 (2), 4541 (2), 4545, 4548 (2)                                 |
| 6462                                | $D_8 \times 2^3$            | 64    | 311850  | 8476, 8837 (3), 8780 (3), 8838 (3), 8785 (3), 8511, 8485, 8117, 8481 (3), 8512 (3), 8490 (3), 8274 (3), 8456, 8459, 8297 | 3648, 3649, 4468 (3), 4469, 4523, 4532 (3), 4547 (3), 4551 (3), 4552   |
| 6463                                | $2^6$                       | 64    | 51975   | 8476 (6), 8779 (9), 8839 (18), 8697 (9), 8489 (6), 8275 (12), 8306 (2), 8456   | 3651 (2), 3652 (2), 4469 (6), 4523, 4528 (9), 4530 (6), 4543 (6), 4546 (9), 4553 (6)                         |
| 6464                                | $D_8 \times D_8$            | 64    | 935550  | 8406 (2), 8617, 8619 (2), 8470 (2), 8170 (2), 8830, 8134 (2), 8290 (2), 8458   | 3653 (2), 4448 (2), 4467, 4538 (2)   |
| 6465                                | $D_8 \times 2 : 2 \times 2$ | 64    | 1871100 | 8312, 8840, 8499, 8225, 8173, 8841, 8525, 8673, 8307, 8175, 8169, 8507, 8309, 8498, 8520                                 | 3654 (2), 3655, 3656, 4475, 4478, 4513   |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6466                                | $D_8 \times 2 : 2 \times 2$ | 64    | 935550  | 8306, 8842, 8497 (2), 8843, 8173 (2), 8174 (2), 8457, 8474 (2), 8844, 8845, 8305   | 3658 (2), 3659 (2), 4475 (2), 4527 (2), 4528                         |
| 6467                                | $D_8 \times D_8$            | 64    | 935550  | 8297, 8846, 8847, 8505, 8122, 8496, 8123, 8457, 8479, 8848, 8849, 8525, 8480, 8518, 8459                                 | 3660, 3661, 4475 (2), 4532, 4551 (2)                                 |
| 6468                                | $D_8 \times D_8$            | 64    | 1871100 | 8422, 8844, 8665, 8500, 8171, 8850, 8846, 8205, 8304, 8502, 8202, 8458, 8418, 8175, 8461                                 | 3662, 3663, 4475, 4481, 4538   |
| 6469                                | $D_8 \times 2^2 : 2$        | 64    | 1871100 | 8423, 8670, 8671, 8528, 8172, 8843, 8849, 8501, 8310, 8520, 8176, 8308, 8416, 8503, 8458                                 | 3664 (2), 3665, 3666, 4462, 4475, 4538                               |
| 6470                                | $D_8 \times D_8$            | 64    | 1871100 | 8495, 8851, 8226, 8506, 8171, 8841, 8674, 8528, 8298, 8174, 8311, 8169, 8518, 8504, 8460                                 | 3667, 3668, 4475, 4478, 4511   |
| 6471                                | $D_8 \times 2^3$            | 64    | 623700  | 8272, 8603 (3), 8607 (3), 8516, 8179, 8631 (3), 8621 (3), 8522, 8310, 8469 (3), 8283 (3), 8461, 8133 (3), 8472 (3), 8290 | 3671, 3672, 4466, 4477 (3), 4538 (3)                                 |
| 6472                                | $D_8 \times D_8$            | 64    | 1871100 | 8434, 8136, 8515, 8486, 8180, 8435, 8204, 8184, 8461, 8629, 8308, 8623, 8290, 8852, 8656                                 | 3673, 3674, 4470, 4477, 4538   |
| 6473                                | $D_8 \times D_8$            | 64    | 935550  | 8438 (2), 8666, 8850 (2), 8523 (2), 8181 (2), 8853, 8197 (2), 8461 (2), 8303   | 3675 (2), 4457 (2), 4477 (2), 4481                                   |
| 6474                                | $D_8 \times 2^2 : 2$        | 64    | 311850  | 8454 (2), 8683 (3), 8681 (6), 8694 (3), 8456   | 3676, 3677, 4493, 4524 (3), 4526 (3), 4540 (3), 4541 (3), 4543, 4544 |

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| Nr.                                 | Structure                  | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 6475                                | $D_8 \times 2^2 : 2$       | 64    | 311850 | 8340 (2), 8854 (6),<br>8456, 8719 (3), 8696<br>(3)   | 3678, 3679, 4497,<br>4529 (3), 4530, 4531<br>(3), 4540 (3), 4544,<br>4550 (3)                    |
| 6476                                | $2^4 \cdot 2 : 2$          | 64    | 311850 | 8456, 8805 (3), 8702<br>(3)  | 3680, 3681, 4497,<br>4525 (3), 4534, 4536<br>(3), 4541 (3), 4543,<br>4550 (3)                    |
| 6477                                | $2^5 \cdot 2$              | 64    | 467775 | 8484 (2), 8714, 8547<br>(2), 8810, 8456  | 3682 (2), 3683 (2),<br>4498, 4535, 4536 (2),<br>4540 (2), 4546, 4547<br>(2), 4549 (2)            |
| 6478                                | $2^3 \cdot 2 : 2 \times 2$ | 64    | 467775 | 8471 (2), 8855 (2),<br>8548 (4), 8856, 8549<br>(2), 8857, 8457 (2),<br>8456                                  | 3684 (2), 3685 (2),<br>4522, 4526 (2), 4542<br>(2), 4545, 4546, 4550<br>(2), 4551 (2)            |
| 6479                                | $2^3 \times 4 : 2$         | 64    | 311850 | 8482, 8858 (3), 8859<br>(3), 8550, 8483 (3),<br>8549 (3), 8456   | 3686, 3687, 4522,<br>4533 (3), 4542 (3),<br>4547 (3), 4548 (3),<br>4552, 4553                    |
| 6480                                | $D_8 \times 2^3$           | 64    | 311850 | 8489, 8860 (6), 8861<br>(3), 8862 (3), 8552<br>(2), 8553, 8490 (3),<br>8551 (6), 8545 (3),<br>8456, 8459 (2) | 3688, 3689, 4523,<br>4537 (3), 4548 (3),<br>4549 (3), 4551 (3),<br>4553, 4554                    |
| 6481                                | $2^4 \times 4$             | 64    | 51975  | 8456, 8863 (9), 8553<br>(6), 8485 (6), 8703<br>(9)   | 3690 (2), 3691 (2),<br>4523, 4534 (6), 4535<br>(9), 4544 (6), 4545<br>(9), 4552 (6), 4554<br>(6) |
| 6482                                | $2^{1+4} : 2$              | 64    | 935550 | 8457, 8864 (2), 8340<br>(2), 8865, 8866  | 3692 (2), 4458 (2),<br>4527 (2), 4529  |
| 6483                                | $D_8 \times D_8$           | 64    | 935550 | 8459 (2), 8867 (2),<br>8556 (2), 8554 (2),<br>8457, 8868, 8555 (2),<br>8869, 8488 (2)                        | 3693 (2), 4458 (2),<br>4537, 4551 (2)  |
| 6484                                | $2^{1+4} : 2$              | 64    | 155925 | 8596 (3), 8589 (3),<br>8360  | 3694, 4437 (3), 4492<br>(2), 4556 (6), 4558,<br>4560 (3), 4565 (6),<br>4566 (2)                  |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6485                                | $2^{1+4} : 2$                    | 64    | 467775  | 8651, 8870 (2), 8871 (2), 8588, 8360   | 3695, 4437, 4491 (2), 4557 (2), 4559, 4561, 4564 (2), 4565 (2) |
| 6486                                | $D_8 : D_8$                      | 64    | 1871100 | 8569, 8584, 8579, 8574, 8467, 8536, 8466   | 3696, 4433, 4648, 4651   |
| 6487                                | $D_8 \times D_8$                 | 64    | 1871100 | 8566, 8872 (2), 8873 (2), 8577, 8580, 8585, 8250 (2), 8557 (2), 8467, 8465, 8537   | 3697, 4433, 4510, 4640   |
| 6488                                | $D_8 \times 8$                   | 64    | 1871100 | 8567, 8578, 8583, 8576, 8537, 8468, 8466   | 3698, 4433, 4510, 4646   |
| 6489                                | $2 \times 4 \cdot 2 \cdot 2 : 2$ | 64    | 1871100 | 8568, 8581, 8575, 8582, 8465, 8468, 8536   | 3699, 4433, 4645, 4651   |
| 6490                                | $D_8 \times 2 : 2 \times 2$      | 64    | 935550  | 8376, 8742, 8190 (2), 8619 (2), 8594, 8610, 8255, 8471, 8141 (2), 8492 (2), 8482   | 3700, 4467, 4542, 4567, 4568, 4585, 4616, 4619                 |
| 6491                                | $2 \times 4 : 2 : 2 \times 2$    | 64    | 935550  | 8476, 8834 (2), 8765, 8499 (2), 8471, 8193 (2), 8793, 8165 (2), 8484, 8802, 8767   | 3701, 4468, 4513, 4546, 4568, 4595, 4634, 4636                 |
| 6492                                | $2^3 \times 4 : 2$               | 64    | 935550  | 8475, 8835 (2), 8764, 8178 (2), 8471, 8711, 8485, 8194 (2), 8797, 8311 (2), 8766   | 3702, 4468, 4511, 4545, 4567, 4597, 4633, 4635                 |
| 6493                                | $D_8 \times D_8$                 | 64    | 1871100 | 8132, 8836, 8625, 8500, 8470, 8193, 8203, 8179, 8486, 8835, 8634, 8509, 8415, 8838, 8416   | 3703, 4468, 4483, 4538   |
| 6494                                | $D_8 \times D_8$                 | 64    | 1871100 | 8472, 8834, 8632, 8418, 8470, 8836, 8417, 8508, 8135, 8837, 8624, 8180, 8206, 8194, 8501   | 3704, 4468, 4482, 4538   |
| 6495                                | $D_8 \times 2^3$                 | 64    | 935550  | 8480 (2), 8775 (2), 8874 (4), 8654 (2), 8782, 8488 (2), 8335 (4), 8280 (2), 8476, 8777, 8196 (2), 8784 (2), 8490, 8312 (2), 8746, 8471, 8743 | 3705, 4469, 4513, 4551, 4567, 4604, 4634, 4641                 |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 6496                                | $D_8 \times 2^3$            | 64    | 935550  | 8479 (2), 8776, 8195 (2), 8875 (2), 8783 (2), 8488 (2), 8250 (2), 8504 (2), 8481, 8778 (2), 8876 (2), 8655 (2), 8781, 8489, 8279 (2), 8513 (2), 8743, 8471, 8747         | 3706, 4469, 4511, 4551, 4568, 4605, 4638, 4640 |
| 6497                                | $D_8 \times 2^3$            | 64    | 1871100 | 8292, 8638 (2), 8839, 8875 (2), 8277, 8470, 8514 (2), 8276, 8478 (2), 8626, 8874 (2), 8655, 8324 (2), 8487 (2), 8503, 8323 (2), 8196, 8425, 8136, 8422, 8639, 8837, 8516 | 3707, 4469, 4482, 4538                         |
| 6498                                | $D_8 \times 2^3$            | 64    | 1871100 | 8477 (2), 8654, 8195, 8627, 8424, 8517 (2), 8321 (2), 8487 (2), 8839, 8838, 8635, 8278, 8133, 8874 (2), 8876 (2), 8637 (2), 8325 (2), 8502, 8423, 8294, 8273, 8515, 8470 | 3708, 4469, 4483, 4538                         |
| 6499                                | $D_8 \times D_8$            | 64    | 1871100 | 8128, 8200, 8521, 8248, 8486, 8515, 8433, 8506, 8294, 8877, 8316, 8185, 8227, 8509, 8498   | 3710, 3753, 4470, 4478, 4483                   |
| 6500                                | $2^3 \times 4 : 2$          | 64    | 935550  | 8255, 8852, 8598, 8121, 8490, 8877, 8787, 8505, 8485, 8657, 8380, 8300, 8791, 8118, 8496   | 3711, 4470, 4532, 4554, 4567, 4602, 4618, 4621 |
| 6501                                | $D_8 \times 2 : 2 \times 2$ | 64    | 935550  | 8255, 8656 (2), 8599, 8167 (2), 8489, 8200 (2), 8786, 8497 (2), 8484, 8396, 8790   | 3712, 4470, 4528, 4549, 4568, 4598, 4615, 4630 |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6502                                | $D_8 \times (2 \times 4)$     | 64    | 1871100 | 8133, 8644, 8203, 8658, 8215, 8293, 8155, 8523, 8237, 8640, 8878, 8635, 8243, 8486, 8521         | 3713, 4471, 4477, 4483   |
| 6503                                | $D_8 \times (2 \times 4)$     | 64    | 1871100 | 8292, 8642, 8201, 8879, 8158, 8486, 8522, 8235, 8244, 8645, 8635, 8632, 8520, 8134, 8171         | 3714, 4471, 4478, 4538   |
| 6504                                | $D_8 \times (2 \times 4)$     | 64    | 935550  | 8481, 8798, 8878, 8485, 8122, 8659, 8794, 8518, 8238, 8791, 8119, 8483, 8608, 8879, 8524         | 3716, 4471, 4511, 4532, 4552, 4605, 4623, 4625                 |
| 6505                                | $2^4 \cdot 2 \times 2$        | 64    | 935550  | 8476, 8786, 8658 (2), 8483, 8173 (2), 8201 (2), 8792, 8239 (2), 8799, 8484, 8604                 | 3717, 4471, 4513, 4528, 4547, 4595, 4624, 4628                 |
| 6506                                | $D_8 \times (2 \times 4)$     | 64    | 935550  | 8481, 8612, 8203 (2), 8482, 8142 (2), 8632 (2), 8793, 8519 (2), 8797, 8484, 8604                 | 3718, 4468, 4471, 4547, 4568, 4591, 4625, 4638                 |
| 6507                                | $2^4 \times 4$                | 64    | 311850  | 8476, 8616 (3), 8635 (6), 8482, 8153 (2), 8782 (3), 8234 (2), 8776 (3), 8277 (6), 8485, 8608 (3) | 3719, 4469, 4471 (3), 4552, 4567 (3), 4608, 4622 (3), 4636 (3) |
| 6508                                | $D_8 \times 2^3$              | 64    | 311850  | 8476, 8639 (6), 8777 (3), 8615 (3), 8526 (2), 8489, 8278 (6), 8781 (3), 8609 (3), 8143 (2), 8482 | 3720, 4469, 4472 (3), 4553, 4568 (3), 4608, 4628 (3), 4641 (3) |
| 6509                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550  | 8475, 8660 (2), 8790, 8318 (2), 8489, 8605, 8483, 8208 (2), 8799, 8174 (2), 8709                 | 3721, 4472, 4511, 4528, 4548, 4597, 4627, 4629                 |
| 6510                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550  | 8476, 8880, 8803, 8531, 8490, 8120, 8794, 8301, 8483, 8881, 8787, 8525, 8609, 8661, 8123         | 3722, 4472, 4513, 4532, 4553, 4604, 4622, 4624                 |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 6511                                | $2^3 \times 4 : 2$         | 64    | 935550  | 8475, 8206 (2), 8613, 8152 (2), 8490, 8634 (2), 8605, 8317 (2), 8482, 8802, 8711         | 3723, 4468, 4472, 4548, 4567, 4593, 4627, 4633 |
| 6512                                | $D_8 \times D_8$           | 64    | 1871100 | 8472, 8881, 8643, 8438, 8293, 8206, 8218, 8527, 8136, 8639, 8647, 8154, 8437, 8660, 8529 | 3724, 4472, 4477, 4482                         |
| 6513                                | $D_8 \times D_8$           | 64    | 1871100 | 8472, 8880, 8642, 8175, 8134, 8634, 8436, 8530, 8294, 8639, 8648, 8434, 8160, 8208, 8528 | 3726, 4472, 4478, 4538                         |
| 6514                                | $D_8 \times D_8$           | 64    | 1871100 | 8141, 8833, 8212, 8645, 8227, 8499, 8167, 8526, 8377, 8663, 8597, 8648, 8256, 8504, 8519 | 3729, 4474, 4478, 4568                         |
| 6515                                | $2^3 \times 4 : 2$         | 64    | 1871100 | 8406, 8159, 8833, 8624, 8411, 8184, 8522, 8503, 8831, 8648, 8214, 8627, 8207, 8291, 8500 | 3730, 4474, 4515, 4538                         |
| 6516                                | $D_8 \times D_8$           | 64    | 1871100 | 8406, 8645, 8213, 8625, 8831, 8168, 8530, 8501, 8413, 8161, 8663, 8626, 8204, 8469, 8502 | 3731, 4474, 4514, 4538                         |
| 6517                                | $2^2 \times 4 \cdot 2 : 2$ | 64    | 1871100 | 8425, 8647, 8848, 8845, 8216, 8624, 8674, 8223, 8314, 8154, 8418, 8503, 8199, 8491, 8507 | 3732, 4475, 4482, 4515                         |
| 6518                                | $D_8 \times D_8$           | 64    | 1871100 | 8424, 8842, 8847, 8646, 8215, 8851, 8219, 8625, 8150, 8502, 8416, 8521, 8187, 8498, 8491 | 3733, 4475, 4483, 4514                         |
| 6519                                | $2^2 \times 4 \cdot 2 : 2$ | 64    | 1871100 | 8620, 8646, 8665, 8670, 8216, 8628, 8221, 8673, 8234, 8152, 8496, 8474, 8311, 8492, 8280 | 3734, 4475, 4476, 4567                         |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups                |
| 6520                                | $D_8 \times D_8$           | 64    | 1871100 | 8621, 8850, 8671,<br>8647, 8215, 8840,<br>8222, 8629, 8143,<br>8497, 8480, 8519,<br>8165, 8504, 8492 | 3735, 4475, 4477,<br>4568         |
| 6521                                | $D_8 \times D_8$           | 64    | 1871100 | 8279, 8622, 8671,<br>8499, 8142, 8665,<br>8630, 8526, 8479,<br>8674, 8217, 8492,<br>8219, 8641, 8497 | 3736, 4475, 4476,<br>4568         |
| 6522                                | $D_8 \times 2^2 : 2$       | 64    | 1871100 | 8312, 8850, 8670,<br>8317, 8153, 8623,<br>8631, 8178, 8474,<br>8218, 8640, 8505,<br>8223, 8851, 8492 | 3737, 4475, 4477,<br>4567         |
| 6523                                | $D_8 \times D_8$           | 64    | 1871100 | 8422, 8218, 8848,<br>8501, 8151, 8842,<br>8641, 8527, 8495,<br>8840, 8417, 8491,<br>8221, 8626, 8198 | 3738, 4475, 4482,<br>4514         |
| 6524                                | $2^3 \times 4 : 2$         | 64    | 1871100 | 8423, 8640, 8415,<br>8491, 8155, 8845,<br>8222, 8506, 8188,<br>8673, 8847, 8500,<br>8217, 8627, 8316 | 3739, 4475, 4483,<br>4515         |
| 6525                                | $2^3 \cdot 2 : 2 \times 2$ | 64    | 1871100 | 8474, 8660, 8318,<br>8658, 8239, 8656,<br>8497, 8603, 8275,<br>8220, 8177, 8224,<br>8494, 8666, 8668 | 3740, 4476, 4477,<br>4528         |
| 6526                                | $D_8 \times D_8$           | 64    | 935550  | 8479, 8657, 8661,<br>8496, 8238, 8659,<br>8606, 8531, 8274,<br>8667, 8124, 8494,<br>8669, 8672, 8511 | 3741, 4476 (2), 4532,<br>4605 (2) |
| 6527                                | $D_8 \times D_8$           | 64    | 1871100 | 8495, 8636, 8641,<br>8498, 8282, 8646,<br>8156, 8510, 8235,<br>8663, 8672, 8191,<br>8441, 8220, 8530 | 3742, 4476, 4478,<br>4514         |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                |
| 6528                                | $D_8 \times D_8$            | 64    | 1871100 | 8495, 8655, 8659,<br>8493, 8276, 8221,<br>8443, 8529, 8242,<br>8664, 8674, 8199,<br>8194, 8660, 8508 | 3744, 4476, 4482,<br>4511         |
| 6529                                | $2^4 \cdot 2 : 2$           | 64    | 1871100 | 8188, 8662, 8661,<br>8498, 8273, 8658,<br>8442, 8509, 8243,<br>8654, 8219, 8493,<br>8193, 8673, 8319 | 3745, 4476, 4483,<br>4513         |
| 6530                                | $D_8 \times 2^2 : 2$        | 64    | 1871100 | 8445, 8647, 8640,<br>8882, 8224, 8633,<br>8157, 8833, 8522,<br>8181, 8313, 8434,<br>8507, 8506, 8191 | 3746, 4477, 4478,<br>4515         |
| 6531                                | $D_8 \times D_8$            | 64    | 1871100 | 8442, 8835, 8878,<br>8832, 8222, 8660,<br>8195, 8851, 8179,<br>8506, 8302, 8493,<br>8187, 8523, 8515 | 3747, 4477, 4483,<br>4511         |
| 6532                                | $2^3 \cdot 2 : 2 \times 2$  | 64    | 1871100 | 8446, 8840, 8658,<br>8881, 8223, 8664,<br>8196, 8834, 8516,<br>8180, 8315, 8438,<br>8507, 8493, 8198 | 3749, 4477, 4482,<br>4513         |
| 6533                                | $D_8 \times D_8$            | 64    | 935550  | 8607, 8853, 8669,<br>8881, 8878, 8882,<br>8126, 8852, 8117,<br>8505, 8480, 8512,<br>8301, 8524, 8494 | 3750, 4477 (2), 4532,<br>4604 (2) |
| 6534                                | $D_8 \times D_8$            | 64    | 1871100 | 8469, 8226, 8208,<br>8299, 8515, 8879,<br>8841, 8508, 8202,<br>8835, 8441, 8170,<br>8655, 8833, 8528 | 3751, 4478, 4511,<br>4538         |
| 6535                                | $D_8 \times 2 : 2 \times 2$ | 64    | 1871100 | 8291, 8663, 8225,<br>8170, 8516, 8834,<br>8201, 8205, 8520,<br>8880, 8654, 8435,<br>8445, 8841, 8509 | 3754, 4478, 4513,<br>4538         |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6536                                | $D_8 \times D_8$          | 64    | 1871100 | 8469, 8228, 8220, 8149, 8197, 8645, 8840, 8527, 8521, 8851, 8436, 8435, 8636, 8882, 8510                                 | 3756, 4477, 4478, 4514   |
| 6537                                | $D_8 \times D_8$          | 64    | 935550  | 8256, 8877, 8672, 8116, 8518, 8879, 8600, 8511, 8512, 8125, 8880, 8300, 8381, 8882, 8525                                 | 3758, 4478 (2), 4532, 4602 (2)   |
| 6538                                | $2^{1+4} : 2$             | 64    | 467775  | 8650, 8828 (2), 8682 (2), 8595, 8360   | 3759, 4485, 4488 (2), 4560, 4561, 4565 (2), 4569 (2), 4574 (2)   |
| 6539                                | $2^{1+4} \times 2$        | 64    | 155925  | 8593 (3), 8829 (6), 8327 (6), 8883 (6), 8684 (6), 8813 (3), 8360   | 3760, 4485 (3), 4486, 4539, 4555 (3), 4558, 4559 (3), 4562, 4563 (3), 4564 (3), 4566, 4569 (3), 4575, 4576 (3), 4577 (3), 4578 |
| 6540                                | $2^{1+4} : 2$             | 64    | 3742200 | 8463, 8462, 8601, 8092, 8884, 8533, 8885   | 3761, 4494   |
| 6541                                | $2^{1+4} : 2$             | 64    | 3742200 | 8343, 8722, 8332, 8723, 8532, 8886, 8887   | 3762, 4502   |
| 6542                                | $2^{1+4} : 2$             | 64    | 3742200 | 8534, 8535, 8888, 8889, 8890, 8464, 8891   | 3763, 4503   |
| 6543                                | $2^{1+4} : 2$             | 64    | 3742200 | 8534, 8535, 8888, 8889, 8892, 8533, 8893   | 3764, 4503   |
| 6544                                | $D_8 \times (2 \times 4)$ | 64    | 935550  | 8700, 8750 (2), 8737 (2), 8757, 8753, 8704, 8537 (2), 8540 (2), 8345, 8543, 8538   | 3765, 4506, 4589 (2), 4632 (2)   |
| 6545                                | $D_8 \times 2^3$          | 64    | 467775  | 8697, 8894 (4), 8895 (4), 8756 (2), 8749, 8751 (2), 8738, 8703, 8274 (4), 8551 (4), 8481, 8542 (2), 8545, 8345 (2), 8539 | 3766, 4506 (2), 4523, 4589 (2), 4591, 4592, 4603 (2), 4605 (2)   |

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| Nr.                                 | Structure                         | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6546                                | $2 \times 4 \cdot 2 : 2 \times 2$ | 64    | 935550  | 8698, 8748 (2), 8739 (2), 8755, 8758, 8701, 8541 (2), 8536 (2), 8542, 8341, 8538 | 3767, 4506, 4590 (2), 4631 (2)   |
| 6547                                | $2^3 \cdot 2 : 2 \times 2$        | 64    | 935550  | 8696, 8752 (2), 8331 (2), 8721, 8702, 8754, 8544 (2), 8339 (2), 8539, 8543, 8341 | 3768, 4497, 4506, 4583, 4584, 4590, 4600, 4601   |
| 6548                                | $Q_8 : 4 : 2$                     | 64    | 1871100 | 8772, 8801, 8788, 8796, 8465, 8546, 8468   | 3769, 4510, 4645, 4650   |
| 6549                                | $D_8 \cdot D_8$                   | 64    | 1871100 | 8773, 8789, 8795, 8800, 8467, 8466, 8546   | 3770, 4510, 4648, 4650   |
| 6550                                | $2^2 \times 4 : 2 \times 2$       | 64    | 311850  | 8708 (3), 8680 (6), 8683 (3), 8539, 8538 (2)                                     | 3771, 4493, 4579, 4580, 4582 (3), 4583 (3), 4589 (3), 4590 (3)   |
| 6551                                | $2^5 \cdot 2$                     | 64    | 935550  | 8719, 8720 (2), 8805, 8539, 8543 (2)   | 3772, 4497, 4581, 4582, 4588, 4589, 4599, 4600   |
| 6552                                | $D_8 \times 2^2 : 2$              | 64    | 467775  | 8475, 8896 (4), 8897, 8333, 8342 (4), 8547, 8713, 8810, 8539                     | 3773, 4498, 4582 (2), 4584 (2), 4592, 4593, 4596 (2), 4597 (2)   |
| 6553                                | $2 \times 4 : 2 \times 2 : 2$     | 64    | 467775  | 8484 (2), 8897 (2), 8809, 8714, 8539   | 3774, 4498, 4581 (2), 4583 (2), 4591, 4594, 4595 (2), 4598 (2)   |
| 6554                                | $D_8 \times 2^2 : 2$              | 64    | 935550  | 8389, 8898 (2), 8899 (2), 8675, 8676, 8859, 8116 (2), 8548 (2), 8255, 8549, 8539 | 3775, 4522, 4585, 4586, 4596, 4598, 4602, 4603   |
| 6555                                | $D_8 \times 2^2 : 2$              | 64    | 935550  | 8602, 8900 (2), 8898 (2), 8679, 8675, 8858, 8494 (2), 8548 (2), 8483, 8471, 8539 | 3776, 4522, 4585, 4587, 4595, 4597, 4604, 4605   |
| 6556                                | $D_8 \times 2^3$                  | 64    | 155925  | 8358, 8901 (12), 8679 (3), 8676 (3), 8344 (4), 8550, 8593 (3), 8857 (3), 8539    | 3777, 4522, 4539, 4570 (3), 4571 (3), 4572, 4573, 4580, 4586 (3), 4587 (3), 4592 (3), 4594 (3), 4599 (3), 4601 (3), 4606, 4607 |

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|-------------------------------------|-----------------------------------|-------|---------|--|---|
| Nr.                                 | Structure                         | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 6557                                | $2^3 \times 4 : 2$                | 64    | 155925  | 8482 (2), 8675 (6),<br>8774 (3), 8856 (3),<br>8539   | 3778, 4522, 4579 (2),<br>4585 (6), 4591 (3),<br>4593 (3), 4600 (6),<br>4608 (2) |
| 6558                                | $D_8 \times 2^3$                  | 64    | 467775  | 8779, 8902 (4), 8903<br>(4), 8904 (4), 8905<br>(2), 8863, 8512 (4),<br>8542 (4), 8551 (4),<br>8490 (2), 8539 | 3779, 4523, 4588 (2),<br>4590 (2), 4593, 4594,<br>4602 (2), 4604 (2)            |
| 6559                                | $D_8 \times 2^3$                  | 64    | 311850  | 8489, 8894 (6), 8749<br>(3), 8903 (6), 8905<br>(3), 8511 (2), 8485,<br>8552 (2), 8780 (3),<br>8861 (3), 8539 | 3780, 4523, 4597 (3),<br>4598 (3), 4602 (3),<br>4605 (3), 4606, 4608            |
| 6560                                | $D_8 \times 2^3$                  | 64    | 311850  | 8476, 8904 (6), 8905<br>(3), 8895 (6), 8738<br>(3), 8552 (2), 8553,<br>8117 (2), 8785 (3),<br>8862 (3), 8539 | 3781, 4523, 4595 (3),<br>4596 (3), 4603 (3),<br>4604 (3), 4607, 4608            |
| 6561                                | $2 \times 4 \cdot 2 \times 2 : 2$ | 64    | 935550  | 8482, 8906, 8549,<br>8907, 8483, 8908,<br>8610   | 3782, 4533, 4542,<br>4585, 4622, 4625,<br>4627, 4628                            |
| 6562                                | $2^4 \cdot 2 \cdot 2$             | 64    | 467775  | 8483 (2), 8329, 8550,<br>8907 (2), 8611  | 3783, 4533 (2), 4587,<br>4609 (2), 4623, 4624<br>(2), 4629, 4644 (2)            |
| 6563                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 935550  | 8255, 8908, 8677,<br>8549, 8383, 8907,<br>8550   | 3784, 4533, 4542,<br>4586, 4620, 4621,<br>4626, 4630                            |
| 6564                                | $2 \times 4^2 : 2$                | 64    | 935550  | 8483, 8808, 8612,<br>8547, 8909, 8910,<br>8485   | 3785, 4535, 4547,<br>4597, 4617, 4618,<br>4622, 4623                            |
| 6565                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 935550  | 8483, 8911, 8613,<br>8553, 8912, 8910,<br>8484   | 3786, 4535, 4548,<br>4595, 4613, 4615,<br>4624, 4625                            |
| 6566                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 935550  | 8255, 8909, 8397,<br>8547, 8715, 8912,<br>8553   | 3787, 4535, 4549,<br>4596, 4614, 4616,<br>4618, 4620                            |
| 6567                                | $D_8 \times D_8$                  | 64    | 1871100 | 8531, 8913, 8914,<br>8554, 8494, 8915,<br>8614, 8552, 8524,<br>8916, 8917, 8551,<br>8918, 8919, 8488         | 3788, 4537, 4604,<br>4605   |

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|-------------------------------------|-----------------------------|-------|---------|--|--|
| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6568                                | $D_8 \times D_8$            | 64    | 1871100 | 8121, 8918, 8920, 8552, 8116, 8921, 8387, 8555, 8256, 8922, 8923, 8556, 8924, 8914, 8551         | 3789, 4537, 4602, 4603   |
| 6569                                | $D_8 \times (2 \times 4)$   | 64    | 935550  | 8524 (2), 8919 (2), 8922 (2), 8553, 8483, 8925, 8926, 8556 (2), 8927, 8616, 8490                 | 3790, 4537, 4552, 4604, 4613, 4618, 4624, 4627                 |
| 6570                                | $2^3 \cdot 2 \times 2 : 2$  | 64    | 935550  | 8531 (2), 8710, 8928, 8555 (2), 8927, 8615, 8483, 8913 (2), 8921 (2), 8545, 8489                 | 3791, 4537, 4553, 4605, 4615, 4617, 4628, 4629                 |
| 6571                                | $2^4 \cdot 2 : 2$           | 64    | 935550  | 8121 (2), 8926, 8716, 8554 (2), 8928, 8386, 8255, 8917 (2), 8923 (2), 8553, 8545                 | 3792, 4537, 4554, 4603, 4614, 4615, 4619, 4626                 |
| 6572                                | $D_8 : 2^3$                 | 64    | 311850  | 8550, 8929 (6), 8930 (6), 8538 (2), 8344 (2), 8931 (3), 8706 (3), 8359, 8684 (3), 8932 (3), 8286 | 3793, 4539, 4609 (3), 4610 (3), 4611, 4612, 4631 (3), 4632 (3) |
| 6573                                | $2^2 \times 4 : 2 \times 2$ | 64    | 467775  | 8471 (2), 8933 (4), 8906, 8934 (2), 8465 (4), 8550, 8678   | 3794, 4542 (2), 4587, 4610 (2), 4634 (2), 4635, 4640, 4645 (2) |
| 6574                                | $2^2 \times 4 \cdot 2 : 2$  | 64    | 935550  | 8482, 8328, 8908, 8549, 8742, 8934, 8471   | 3795, 4542 (2), 4585, 4633, 4636, 4638, 4641                   |
| 6575                                | $2^5 \cdot 2$               | 64    | 467775  | 8594, 8934 (2), 8677, 8358, 8549 (2)   | 3796, 4542 (2), 4570 (2), 4586, 4637, 4639 (2), 4642, 4643 (2) |
| 6576                                | $D_8 \times 2^2 \cdot 2$    | 64    | 935550  | 8484, 8935, 8553, 8936, 8471, 8937, 8764   | 3797, 4545, 4549, 4595, 4613, 4619, 4634, 4638                 |
| 6577                                | $2^2 \times 4 : 2 \cdot 2$  | 64    | 935550  | 8484, 8935, 8549, 8938, 8485, 8939, 8797   | 3798, 4545, 4547, 4598, 4621, 4625, 4636, 4639                 |
| 6578                                | $2^2 \times 4 : 2 : 2$      | 64    | 935550  | 8475, 8938, 8553, 8940, 8549, 8936, 8711   | 3799, 4545, 4548, 4596, 4626, 4627, 4633, 4637                 |
| 6579                                | $D_8 \times 2^2 : 2$        | 64    | 935550  | 8489, 8941 (4), 8557 (4), 8942, 8547, 8811, 8471, 8943, 8765                                     | 3800, 4546, 4549, 4597, 4616, 4617, 4640, 4641                 |

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|-------------------------------------|-------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6580                                | $2^4 \cdot 2 : 2$             | 64    | 935550  | 8489, 8942, 8549, 8944, 8484, 8945, 8802   | 3801, 4546, 4548, 4598, 4628, 4630, 4638, 4639                 |
| 6581                                | $2^2 \times 4 : 2 : 2$        | 64    | 935550  | 8476, 8944, 8547, 8946, 8549, 8811, 8793   | 3802, 4546, 4547, 4596, 4620, 4622, 4641, 4642                 |
| 6582                                | $D_8 \times (2 \times 4)$     | 64    | 467775  | 8792, 8947 (2), 8939, 8948 (2), 8946, 8808, 8481, 8558 (2), 8547, 8537 (2), 8550         | 3803, 4547 (2), 4592, 4620 (2), 4623, 4632 (2), 4640, 4646 (2) |
| 6583                                | $2 \times 4 : 2 \times 2 : 2$ | 64    | 935550  | 8799, 8944, 8938, 8910, 8484, 8490, 8550   | 3804, 4547, 4548, 4594, 4621, 4624, 4630, 4634                 |
| 6584                                | $2^3 \times 4 : 2$            | 64    | 935550  | 8786, 8935, 8909, 8811, 8482, 8547, 8490   | 3805, 4547, 4549, 4593, 4616, 4618, 4622, 4641                 |
| 6585                                | $2^2 \times 4 : 2 : 2$        | 64    | 467775  | 8709, 8949 (4), 8945, 8940, 8911, 8475, 8541 (4), 8545, 8550                             | 3806, 4548 (2), 4592, 4626 (2), 4629, 4631 (2), 4635, 4647 (2) |
| 6586                                | $2^2 \times 4 \cdot 2 : 2$    | 64    | 935550  | 8790, 8942, 8912, 8936, 8482, 8545, 8484   | 3807, 4548, 4549, 4591, 4615, 4619, 4628, 4636                 |
| 6587                                | $2^3 \cdot 2 : 2 \times 2$    | 64    | 467775  | 8599, 8950 (4), 8937, 8715, 8943, 8358, 8544 (4), 8547, 8545                             | 3808, 4549 (2), 4592, 4601 (2), 4614, 4617 (2), 4642, 4643 (2) |
| 6588                                | $D_8 \times D_8$              | 64    | 1871100 | 8512, 8951, 8952, 8548, 8505, 8953, 8954, 8556, 8525, 8955, 8956, 8552, 8775, 8957, 8488 | 3809, 4551, 4602, 4604   |
| 6589                                | $D_8 \times D_8$              | 64    | 1871100 | 8274, 8958, 8959, 8554, 8122, 8960, 8961, 8548, 8479, 8962, 8963, 8555, 8784, 8964, 8552 | 3810, 4551, 4603, 4605   |
| 6590                                | $2^3 \cdot 2 : 2 \times 2$    | 64    | 935550  | 8505 (2), 8965 (2), 8966 (2), 8554 (2), 8490, 8712, 8967, 8553, 8746, 8968, 8471         | 3811, 4551, 4554, 4604, 4613, 4616, 4633, 4634                 |

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|-------------------------------------|---------------------------------|-------|---------|--|---|
| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 6591                                | $D_8 \times (2 \times 4)$       | 64    | 935550  | 8122 (2), 8969 (2),<br>8970 (2), 8556 (2),<br>8481, 8971, 8972,<br>8549, 8782, 8973,<br>8553         | 3812, 4551, 4552,<br>4603, 4620, 4625,<br>4637, 4638                            |
| 6592                                | $2^5 : 2$                       | 64    | 935550  | 8525 (2), 8974 (2),<br>8975 (2), 8555 (2),<br>8490, 8976, 8977,<br>8549, 8777, 8978,<br>8489         | 3813, 4551, 4553,<br>4602, 4627, 4630,<br>4639, 4641                            |
| 6593                                | $D_8 \times D_8$                | 64    | 1871100 | 8511, 8965, 8548,<br>8958, 8496, 8953,<br>8555, 8969, 8518,<br>8974, 8551, 8962,<br>8488, 8957, 8778 | 3814, 4551, 4602,<br>4605   |
| 6594                                | $D_8 \times D_8$                | 64    | 1871100 | 8117, 8952, 8959,<br>8554, 8123, 8966,<br>8970, 8548, 8480,<br>8956, 8963, 8556,<br>8783, 8975, 8551 | 3815, 4551, 4603,<br>4604   |
| 6595                                | $D_8 \times 2 : 2 \times 2$     | 64    | 935550  | 8496 (2), 8951 (2),<br>8554 (2), 8960 (2),<br>8485, 8976, 8545,<br>8971, 8471, 8968,<br>8747         | 3816, 4551, 4554,<br>4605, 4617, 4619,<br>4635, 4636                            |
| 6596                                | $D_8 \times 2^2 : 2$            | 64    | 935550  | 8123 (2), 8954 (2),<br>8961 (2), 8555 (2),<br>8476, 8967, 8972,<br>8549, 8781, 8977,<br>8545         | 3817, 4551, 4553,<br>4603, 4626, 4628,<br>4636, 4642                            |
| 6597                                | $D_8 \times (2 \times 4)$       | 64    | 935550  | 8518 (2), 8955 (2),<br>8556 (2), 8964 (2),<br>8485, 8712, 8549,<br>8973, 8490, 8978,<br>8776         | 3818, 4551, 4552,<br>4602, 4621, 4622,<br>4633, 4639                            |
| 6598                                | $2^2 \times 4^2$                | 64    | 155925  | 8798 (3), 8925 (3),<br>8973 (6), 8485 (2),<br>8550   | 3819, 4552 (2), 4606,<br>4611 (2), 4621 (6),<br>4623 (3), 4635 (3),<br>4649 (6) |
| 6599                                | $2^2 \times 4 \cdot 2 \times 2$ | 64    | 311850  | 8791 (3), 8712 (3),<br>8926 (3), 8971 (3),<br>8482, 8553, 8485                                       | 3820, 4552, 4554,<br>4608, 4618 (3), 4619<br>(3), 4625 (3), 4633<br>(3)         |

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|-------------------------------------|-----------------------------|-------|---------|--|---|
| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 6600                                | $2^2 \times 4 : 2 \times 2$ | 64    | 311850  | 8794 (3), 8927 (3),<br>8972 (3), 8978 (3),<br>8476, 8550, 8553                                       | 3821, 4552, 4553,<br>4607, 4620 (3), 4624<br>(3), 4626 (3), 4634<br>(3)         |
| 6601                                | $2^4 \cdot 2 \times 2$      | 64    | 311850  | 8787 (3), 8976 (3),<br>8928 (3), 8967 (3),<br>8482, 8553, 8489                                       | 3822, 4553, 4554,<br>4608, 4615 (3), 4616<br>(3), 4627 (3), 4638<br>(3)         |
| 6602                                | $D_8 \times 2^3$            | 64    | 155925  | 8803 (3), 8979 (12),<br>8710 (3), 8977 (6),<br>8489 (2), 8467 (4),<br>8550                           | 3823, 4553 (2), 4606,<br>4612 (2), 4629 (3),<br>4630 (6), 4640 (3),<br>4648 (6) |
| 6603                                | $2^2 \times 4 : 2 \times 2$ | 64    | 155925  | 8598 (3), 8968 (6),<br>8716 (3), 8358, 8553<br>(2)   | 3824, 4554 (2), 4572<br>(2), 4607, 4613 (6),<br>4614 (3), 4637 (3),<br>4643 (6) |
| 6604                                | $8 : 2 \times 2 : 2$        | 64    | 935550  | 8550, 8980 (2), 8685,<br>8466 (2), 8705  | 3825, 4571, 4609,<br>4610, 4646, 4647,<br>4648, 4649                            |
| 6605                                | $2^3 \times 4 \cdot 2$      | 64    | 311850  | 8717 (3), 8981 (6),<br>8807 (3), 8550, 8468<br>(2)   | 3826, 4573, 4611,<br>4612, 4644 (3), 4645<br>(3), 4646 (3), 4647<br>(3)         |
| 6606                                | $D_8 \times D_8$            | 64    | 1871100 | 8320, 8982, 8983,<br>8984, 8334, 8985,<br>8986, 8987, 8475,<br>8541, 8544, 8558,<br>8344, 8342, 8542 | 3827, 4584, 4592,<br>4631   |
| 6607                                | $D_8 \times 4 : 2$          | 64    | 1871100 | 8988, 8989, 8691,<br>8990, 8991, 8992,<br>8688, 8993, 8342,<br>8546, 8541, 8339,<br>8558, 8540, 8538 | 3828, 4584, 4631,<br>4632   |
| 6608                                | $D_8 : D_8$                 | 64    | 1871100 | 8994, 8995, 8336,<br>8996, 8997, 8998,<br>8322, 8999, 8547,<br>8339, 8544, 8543,<br>8344, 8546, 8540 | 3829, 4584, 4601,<br>4632   |
| 6609                                | $D_8 : D_8$                 | 64    | 935550  | 9000, 9001, 8692,<br>9002 (2), 8689 (2),<br>9003, 8342 (2), 8546,<br>8558, 8543 (2), 8286            | 3830, 4584 (2), 4632,<br>4650 (2)   |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 6610                                | $2^3 \times 4 : 2$               | 64    | 1871100 | 9004, 9005, 9006, 9007, 8542, 8538, 8543   | 3831, 4588, 4589, 4590                                   |
| 6611                                | $2 \times 4 \cdot 2 : 2 : 2$     | 64    | 935550  | 8806, 9008 (2), 9009 (2), 9010, 8718, 9011, 8550, 8540 (2), 8544 (2), 8546, 8536 | 3832, 4601, 4631, 4632, 4644, 4645, 4648, 4649           |
| 6612                                | $Q_8 : D_8$                      | 64    | 935550  | 9012, 9013 (2), 9014 (2), 9015, 9016, 9017, 8558, 8540 (2), 8541 (2), 8536, 8359 | 3833, 4631 (2), 4632, 4651 (2)                           |
| 6613                                | $D_8 \times D_8$                 | 64    | 1871100 | 8513 (2), 9018 (2), 8557 (2), 9019, 8465, 9020, 8558, 9021 (2), 9022, 8467, 9023 | 3834, 4640, 4650, 4651                                   |
| 6614                                | $D_8 \times 4 \cdot 2$           | 64    | 1871100 | 9024, 9025, 9026, 9027, 8558, 8466, 8468   | 3835, 4646, 4650, 4651                                   |
| 6615                                | $D_8 : 2^2 : 2$                  | 64    | 1871100 | 8568, 8652, 8573, 8577, 8578, 8584, 8571   | 4433, 4784, 4891   |
| 6616                                | $D_8 : D_8$                      | 64    | 1871100 | 8569, 8570, 8572, 8582, 8580, 8576, 8652   | 4433, 4891, 4893   |
| 6617                                | $D_8 : D_8$                      | 64    | 1871100 | 8566, 8571, 8572, 8583, 8579, 8575, 8653   | 4433, 4894, 4896   |
| 6618                                | $2 \times 4 \cdot 2 \cdot 2 : 2$ | 64    | 1871100 | 8567, 8570, 8573, 8585, 8581, 8574, 8653   | 4433, 4894, 4897   |
| 6619                                | $D_8 \times 2 \cdot 2 : 2$       | 64    | 1871100 | 8617, 8591, 8592   | 4434, 4448, 4652   |
| 6620                                | $2^{1+4} : 2$                    | 64    | 1871100 | 8617, 8085 (2), 8082 (2), 8590, 8824   | 4434, 4448, 4653   |
| 6621                                | $8 : 2 : 2 : 2$                  | 64    | 467775  | 8596, 8401, 8588   | 4437, 4461 (2), 4660 (2), 4663, 4664, 4667 (2), 4668 (2) |
| 6622                                | $D_8 \times 2 \cdot 2 : 2$       | 64    | 467775  | 8651, 8401, 8589   | 4437, 4658 (2), 4659 (2), 4661, 4662, 4667 (2), 4669 (2) |
| 6623                                | $2 \times 4 : 2 : 2 : 2$         | 64    | 935550  | 8407, 8390, 8595   | 4438, 4488, 4657, 4672, 4673, 4708, 4709                 |

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|-------------------------------------|---------------------------------|-------|---------|--------------------------------------|--|
| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups                    | Minimal Overgroups                                       |
| 6624                                | $2^{1+4} : 2$                   | 64    | 935550  | 8108 (2), 9028 (2), 8245, 8813, 8390 | 4438, 4486, 4656, 4675, 4676, 4704, 4705                 |
| 6625                                | $2^{1+4} : 2$                   | 64    | 935550  | 8407, 9029 (2), 8813, 8096 (2), 8391 | 4438, 4555, 4656, 4670, 4671, 4706, 4707                 |
| 6626                                | $D_8 \times 2 \cdot 2 \times 2$ | 64    | 935550  | 8391, 9030 (2), 8588, 8412, 8098 (2) | 4440, 4461, 4465, 4557, 4670, 4716, 4717                 |
| 6627                                | $2 \times 4 : 2 : 2 \times 2$   | 64    | 935550  | 8390, 9031 (2), 8589, 8110 (2), 8412 | 4440, 4492, 4658, 4672, 4675, 4718, 4719                 |
| 6628                                | $8 : 2 : 2 : 2$                 | 64    | 935550  | 8414, 8589, 8391                     | 4440, 4556, 4659, 4671, 4674, 4718, 4720                 |
| 6629                                | $D_8 \times 2 \cdot 2 : 2$      | 64    | 935550  | 8414, 8588, 8390                     | 4440, 4491, 4660, 4673, 4676, 4716, 4721                 |
| 6630                                | $8 : 2 : 2 : 2$                 | 64    | 1871100 | 8666, 8816, 8586                     | 4441, 4457, 4691   |
| 6631                                | $2^{1+4} : 2$                   | 64    | 935550  | 8667, 9032 (2), 8099 (2), 8814, 8586 | 4441 (2), 4692, 4787 (2)                                 |
| 6632                                | $2^{1+4} : 2$                   | 64    | 1871100 | 8666, 8088 (2), 8111 (2), 8814, 8587 | 4441, 4457, 4689   |
| 6633                                | $2 \times 4 : 2 : 2 : 2$        | 64    | 935550  | 8667, 8816, 8587                     | 4441 (2), 4690, 4908 (2)                                 |
| 6634                                | $2^{1+4} : 2$                   | 64    | 467775  | 8426, 9033 (2), 8099 (2), 8588, 8813 | 4442, 4559, 4663, 4670 (2), 4676 (2), 4692 (2), 4695 (2) |
| 6635                                | $8 : 2 : 2 : 2$                 | 64    | 467775  | 8427, 8595, 8588                     | 4442, 4465 (2), 4561, 4664, 4673 (2), 4679 (2), 4696 (2) |
| 6636                                | $2^{1+4} : 2$                   | 64    | 467775  | 8112 (2), 9034 (2), 8427, 8813, 8589 | 4442, 4558, 4662, 4671 (2), 4675 (2), 4696 (2), 4697 (2) |
| 6637                                | $D_8 \times 2 \cdot 2 : 2$      | 64    | 467775  | 8426, 8595, 8589                     | 4442, 4560, 4661, 4672 (2), 4674 (2), 4682 (2), 4695 (2) |
| 6638                                | $2 \times 4 : 2 : 2 : 2$        | 64    | 935550  | 8407, 8589, 8419                     | 4443, 4556, 4658, 4671, 4672, 4698, 4699                 |
| 6639                                | $2^{1+4} : 2$                   | 64    | 935550  | 8114 (2), 9031 (2), 8245, 8421, 8589 | 4443, 4492, 4659, 4674, 4675, 4699, 4702                 |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups                    | Minimal Overgroups   |
| 6640                                | $2^{1+4} : 2$                 | 64    | 935550 | 8407, 8101 (2), 8421, 9035 (2), 8588 | 4443, 4557, 4660, 4670, 4673, 4700, 4701   |
| 6641                                | $2^4 \cdot 2 : 2$             | 64    | 467775 | 8595 (2), 8683 (2), 8593, 8591 (2)   | 4445, 4524, 4569, 4580, 4652, 4679, 4680, 4682, 4684, 4722, 4725, 4727, 4730, 4808, 4810 |
| 6642                                | $D_8 \times 2^2 \cdot 2$      | 64    | 467775 | 8593, 8685 (2), 8084 (2), 8590 (2)   | 4445, 4449, 4563, 4571, 4653, 4665, 4677, 4678, 4681, 4683, 4686, 4746, 4747, 4753, 4754 |
| 6643                                | $D_8 \times 2 \cdot 2 : 2$    | 64    | 935550 | 8830, 8590, 8592                     | 4448 (2), 4449, 4752 (2)   |
| 6644                                | $2^{1+4} : 2$                 | 64    | 935550 | 8830, 8812 (2), 8681 (2), 8591, 8824 | 4448 (2), 4524, 4764 (2)   |
| 6645                                | $D_8 \times 2^2 \cdot 2$      | 64    | 467775 | 8677 (2), 8816 (2), 8593, 8592 (2)   | 4449, 4479, 4562, 4570, 4652, 4666, 4685, 4690, 4691, 4693, 4694, 4744, 4745, 4755, 4756 |
| 6646                                | $D_8 \times 2 \cdot 2 : 2$    | 64    | 935550 | 8650, 8588, 8589                     | 4450, 4565, 4667, 4687, 4688, 4695, 4696   |
| 6647                                | $8 : 2 \times 2 : 2$          | 64    | 467775 | 8588 (2), 8807 (2), 8593, 8586 (2)   | 4450, 4451, 4564, 4573, 4654, 4668, 4677, 4679, 4688, 4691, 4692, 4736, 4737, 4749, 4750 |
| 6648                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 467775 | 8589 (2), 8086 (2), 8593, 8716 (2)   | 4450, 4480, 4566, 4572, 4655, 4669, 4681, 4682, 4687, 4694, 4697, 4738, 4739, 4748, 4751 |
| 6649                                | $D_8 \times 2^2 \cdot 2$      | 64    | 467775 | 8593, 8805 (2), 8087 (2), 8587 (2)   | 4451, 4525, 4577, 4599, 4655, 4678, 4680, 4689, 4690, 4733, 4734, 4742, 4743, 4774, 4799 |

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|-------------------------------------|----------------------------|-------|--------|--------------------------------------|--|
| Nr.                                 | Structure                  | Order | Length | Maximal Subgroups                    | Minimal Overgroups   |
| 6650                                | $D_8 \times 2 \cdot 2 : 2$ | 64    | 935550 | 8650, 8391, 8390                     | 4452, 4488, 4656, 4710, 4714, 4716, 4718   |
| 6651                                | $8 : 2 : 2 \times 2$       | 64    | 467775 | 8593, 9036 (2), 8705 (2), 8391 (2)   | 4452, 4459, 4555, 4571, 4685, 4712, 4715, 4717, 4720, 4724, 4725, 4732, 4734, 4736, 4738 |
| 6652                                | $D_8 \times 2^2 \cdot 2$   | 64    | 467775 | 8594 (2), 9028 (2), 8593, 8390 (2)   | 4452, 4486, 4570, 4657, 4686, 4711, 4713, 4719, 4721, 4722, 4723, 4733, 4735, 4737, 4739 |
| 6653                                | $2 \times 4 : 2 : 2 : 2$   | 64    | 935550 | 8651, 8390, 8419                     | 4453, 4491, 4658, 4704, 4709, 4713, 4714   |
| 6654                                | $2^{1+4} : 2$              | 64    | 935550 | 8597 (2), 9031 (2), 8596, 8421, 8390 | 4453, 4492, 4660, 4705, 4708, 4710, 4711   |
| 6655                                | $8 : 2 : 2 : 2$            | 64    | 935550 | 8596, 8419, 8391                     | 4453, 4461, 4464, 4556, 4706, 4710, 4712   |
| 6656                                | $2^{1+4} : 2$              | 64    | 935550 | 8651, 9037 (2), 8421, 9038 (2), 8391 | 4453, 4557, 4659, 4703, 4707, 4714, 4715   |
| 6657                                | $2^{1+4} : 2$              | 64    | 467775 | 8651, 9039 (2), 8393, 9040 (2), 8813 | 4454, 4559, 4662, 4704 (2), 4707 (2), 4726 (2), 4728 (2)                                 |
| 6658                                | $8 : 2 : 2 : 2$            | 64    | 467775 | 8596, 8595, 8393                     | 4454, 4464 (2), 4560, 4664, 4708 (2), 4728 (2), 4730 (2)                                 |
| 6659                                | $2^{1+4} : 2$              | 64    | 467775 | 8600 (2), 9034 (2), 8596, 8813, 8392 | 4454, 4558, 4663, 4705 (2), 4706 (2), 4729 (2), 4731 (2)                                 |
| 6660                                | $D_8 \times 2 \cdot 2 : 2$ | 64    | 467775 | 8651, 8595, 8392                     | 4454, 4561, 4661, 4703 (2), 4709 (2), 4727 (2), 4729 (2)                                 |
| 6661                                | $D_8 \times 2 \cdot 2 : 2$ | 64    | 467775 | 8650, 8393, 8589                     | 4455, 4560, 4662, 4687 (2), 4699 (2), 4718 (2), 4728 (2)                                 |
| 6662                                | $D_8 \times 2 \cdot 2 : 2$ | 64    | 467775 | 8650, 8588, 8392                     | 4455, 4561, 4663, 4688 (2), 4701 (2), 4716 (2), 4729 (2)                                 |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6663                                | $8 : 2 \times 2 : 2$          | 64    | 467775  | 8393, 8717 (2), 8588, 8593, 9041 (2)   | 4455, 4463, 4559, 4573, 4664, 4687, 4700, 4717, 4721, 4726, 4730, 4741, 4743, 4745, 4747 |
| 6664                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 467775  | 8392, 9034 (2), 8589, 8598 (2), 8593   | 4455, 4558, 4572, 4661, 4688, 4698, 4702, 4719, 4720, 4727, 4731, 4740, 4742, 4744, 4746 |
| 6665                                | $2^{1+4} : 2$                 | 64    | 935550  | 8651, 9042 (2), 8588, 9032 (2), 8813   | 4456, 4564, 4667, 4692, 4696, 4726, 4729   |
| 6666                                | $8 : 2 : 2 : 2$               | 64    | 935550  | 8596, 8595, 8588   | 4456, 4565, 4668, 4679, 4695, 4729, 4730   |
| 6667                                | $2^{1+4} : 2$                 | 64    | 935550  | 8920 (2), 8086 (2), 8596, 8813, 8589   | 4456, 4566, 4667, 4695, 4697, 4728, 4731   |
| 6668                                | $D_8 \times 2 \cdot 2 : 2$    | 64    | 935550  | 8651, 8595, 8589   | 4456, 4565, 4669, 4682, 4696, 4727, 4728   |
| 6669                                | $2^{1+4} : 2$                 | 64    | 935550  | 8853, 9033 (2), 9042 (2), 8814, 8586   | 4457 (2), 4692, 4805 (2)   |
| 6670                                | $2 \times 4 : 2 : 2 : 2$      | 64    | 935550  | 8853, 8816, 8587   | 4457 (2), 4690, 4909 (2)   |
| 6671                                | $2^{1+4} : 2$                 | 64    | 1871100 | 8868, 9043 (2), 8590, 9044 (2), 8865   | 4458, 4752, 4754   |
| 6672                                | $8 : 2 : 2 : 2$               | 64    | 1871100 | 8869, 8866, 8590   | 4458, 4752, 4753   |
| 6673                                | $2^{1+4} : 2$                 | 64    | 1871100 | 9045 (2), 9046 (2), 8869, 8865, 8592   | 4458, 4752, 4756   |
| 6674                                | $D_8 \times 2 \cdot 2 : 2$    | 64    | 1871100 | 8868, 8866, 8592   | 4458, 4752, 4755   |
| 6675                                | $2^2 \times 4 : 2 : 2$        | 64    | 467775  | 8401, 8708 (2), 8595, 8593, 8827 (2)   | 4459, 4485, 4580, 4657, 4661, 4664, 4665, 4666, 4668, 4669, 4757, 4765, 4767, 4772, 4774 |
| 6676                                | $D_8 \times 2^3$              | 64    | 467775  | 8412 (2), 8351 (4), 8792, 8320 (4), 8593, 9047 (8), 8843 (2), 8113 (2), 8697, 8599, 8668 (2), 8395, 8713, 8709 | 4462, 4528, 4575, 4592, 4677, 4680, 4694, 4717, 4719, 4757, 4760, 4761, 4777, 4780, 4842 |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 6677                                | $2^2 \times 4 : 2 : 2$          | 64    | 467775 | 8427, 8849 (2), 8600, 8112, 8669 (2), 8596, 8378, 8785 (2), 8598, 8794 (2), 8593   | 4462, 4532, 4558, 4607, 4664, 4678, 4679, 4693, 4697, 4711, 4712, 4759, 4778, 4781, 4835 |
| 6678                                | $2^3 \cdot 2 \times 2 \times 2$ | 64    | 467775 | 8444 (2), 8782 (2), 8598, 8670 (4), 8110 (2), 8594, 8395, 8711 (2)   | 4462, 4567 (2), 4637, 4719 (2), 4763 (2), 4775 (2), 4884                                 |
| 6679                                | $D_8 \times 2^2 : 2$            | 64    | 467775 | 8109 (2), 8671 (4), 8597 (2), 8378, 8781 (2), 8793 (2), 8599, 8594   | 4462, 4568 (2), 4642, 4711 (2), 4762 (2), 4776 (2), 4886                                 |
| 6680                                | $2^3 \cdot 2 \times 2 : 2$      | 64    | 467775 | 8419 (2), 8719 (2), 8593, 8866 (2)   | 4463, 4529, 4576, 4599, 4698, 4712, 4713, 4748, 4750, 4753, 4755, 4757, 4782, 4807, 4810 |
| 6681                                | $D_8 \times 2 \cdot 2 \times 2$ | 64    | 935550 | 8419, 8821 (2), 8595, 8412, 8817 (2)   | 4464, 4465, 4521, 4574, 4672, 4709, 4757   |
| 6682                                | $D_8 \times 2^2 : 2$            | 64    | 467775 | 8376 (2), 8602 (2), 8407 (2), 8617 (2), 8593, 8611, 8137 (2), 8618 (2), 8678   | 4467, 4555, 4587, 4652, 4653, 4654, 4655, 4657, 4698, 4700, 4758, 4759, 4760, 4829, 4831 |
| 6683                                | $D_8 \times 2^2 : 2$            | 64    | 935550 | 8604, 8633 (2), 8764, 8624 (2), 8602, 8415 (2), 8785, 8139 (2), 8613, 8809, 8767   | 4468, 4515, 4595, 4759, 4797, 4845, 4848   |
| 6684                                | $D_8 \times 2 : 2 \times 2$     | 64    | 935550 | 8605, 8228 (2), 8765, 8625 (2), 8602, 8713, 8612, 8417 (2), 8780, 8156 (2), 8766   | 4468, 4514, 4597, 4760, 4795, 4844, 4847   |
| 6685                                | $D_8 \times 2^3$                | 64    | 935550 | 8607 (2), 8616, 8148 (2), 8638 (4), 8783 (2), 8746, 8602, 8424 (2), 8779, 8609, 8614 (2), 8325 (4), 8636 (2), 8743, 8775 (2), 8785, 8626 (2) | 4469, 4514, 4604, 4759, 4800, 4852, 4855   |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 6686                                | $D_8 \times 2^3$                | 64    | 935550 | 8606 (2), 8615, 8157 (2), 8637 (4), 8784 (2), 8747, 8284 (2), 8324 (4), 8602, 8627 (2), 8780, 8425 (2), 8608, 8614 (2), 8743, 8778 (2), 8697 | 4469, 4515, 4605, 4760, 4800, 4851, 4854                 |
| 6687                                | $2^2 \times 4 \cdot 2 : 2$      | 64    | 935550 | 8376, 8598, 8623 (2), 8433 (2), 8613, 8764, 8140 (2), 8628 (2), 8616, 8396, 8746   | 4470, 4567, 4613, 4759, 4830, 4846, 4882                 |
| 6688                                | $D_8 \times 2^2 : 2$            | 64    | 935550 | 8376, 8380, 8622 (2), 8144 (2), 8612, 8765, 8227 (2), 8629 (2), 8615, 8599, 8747   | 4470, 4568, 4617, 4760, 4828, 4856, 4887                 |
| 6689                                | $2^2 \times 4^2$                | 64    | 467775 | 8608 (2), 8611, 8158 (4), 8798, 8644 (2), 8236 (2), 8612 (2), 8792   | 4471 (2), 4623, 4760, 4836 (2), 4860 (2), 4885, 4900 (2) |
| 6690                                | $D_8 \times (2 \times 4)$       | 64    | 935550 | 8609, 8611, 8138 (2), 8799, 8643 (2), 8604, 8237 (2), 8613, 8616, 8794, 8642 (2)   | 4471, 4472, 4624, 4759, 4833, 4840, 4883                 |
| 6691                                | $2^2 \times 4 \cdot 2 \times 2$ | 64    | 935550 | 8608, 8613, 8159 (2), 8791, 8216 (2), 8640 (2), 8604, 8244 (2), 8610, 8797, 8782   | 4471, 4515, 4567, 4625, 4833, 4845, 4880                 |
| 6692                                | $D_8 \times (2 \times 4)$       | 64    | 935550 | 8609, 8612, 8145 (2), 8786, 8215 (2), 8641 (2), 8608, 8645 (2), 8610, 8776, 8793   | 4471, 4514, 4568, 4622, 4836, 4851, 4880                 |
| 6693                                | $2^2 \times 4 \cdot 2 : 2$      | 64    | 935550 | 8605 (2), 8218 (2), 8787, 8161 (2), 8616, 8646 (2), 8436 (2), 8610, 8777, 8711   | 4472, 4500, 4514, 4567, 4627, 4838, 4847                 |
| 6694                                | $D_8 \times 2^2 : 2$            | 64    | 935550 | 8604, 8647 (2), 8790, 8648 (2), 8615, 8217 (2), 8609, 8146 (2), 8610, 8802, 8781   | 4472, 4515, 4568, 4628, 4840, 4852, 4880                 |
| 6695                                | $D_8 \times 2 : 2 \times 2$     | 64    | 467775 | 8605 (2), 8437 (2), 8615 (2), 8649 (2), 8611, 8160 (4), 8803, 8709   | 4472 (2), 4629, 4760, 4838 (2), 4858 (2), 4878, 4903 (2) |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 6696                                | $D_8 \times 2^2 : 2$        | 64    | 935550  | 8407, 8832, 8130 (2), 8644, 8227 (2), 8625 (2), 8412, 8627 (2), 8662, 8649, 8651         | 4474, 4483, 4557, 4658, 4707, 4709, 4760 |
| 6697                                | $D_8 \times D_8$            | 64    | 935550  | 8407, 8664 (2), 8140 (2), 8643 (2), 8624 (2), 8414, 8626 (2), 8377 (2), 8596             | 4474, 4482, 4556, 4660, 4706, 4708, 4759 |
| 6698                                | $D_8 \times 2 : 2 \times 2$ | 64    | 1871100 | 8425, 8629, 8846, 8627, 8158, 8617, 8622, 8225, 8620, 8160, 8417, 8843, 8226, 8625, 8631 | 4475, 4538, 4760                         |
| 6699                                | $D_8 \times D_8$            | 64    | 1871100 | 8424, 8844, 8849, 8642, 8138, 8623, 8630, 8624, 8621, 8626, 8415, 8628, 8163, 8841, 8617 | 4475, 4538, 4759                         |
| 6700                                | $2^2 \times 4 \cdot 2 : 2$  | 64    | 1871100 | 8620, 8634, 8441, 8654, 8244, 8619, 8665, 8603, 8277, 8161, 8194, 8214, 8657, 8623, 8670 | 4476, 4538, 4567                         |
| 6701                                | $D_8 \times D_8$            | 64    | 1871100 | 8621, 8622, 8210, 8665, 8145, 8648, 8671, 8663, 8278, 8619, 8193, 8656, 8606, 8632, 8655 | 4476, 4538, 4568                         |
| 6702                                | $D_8 \times 2 : 2 \times 2$ | 64    | 935550  | 8620 (2), 8649, 8443, 8662, 8236, 8622 (2), 8284 (2), 8156 (2), 8667, 8618, 8668         | 4476 (2), 4760, 4862 (2)                 |
| 6703                                | $D_8 \times D_8$            | 64    | 1871100 | 8621, 8623, 8442, 8628, 8237, 8643, 8630, 8664, 8148, 8618, 8139, 8666, 8669, 8633, 8636 | 4476, 4477, 4759                         |
| 6704                                | $D_8 \times 2^2 : 2$        | 64    | 935550  | 8446, 8629 (2), 8644, 8853, 8157 (2), 8618, 8631 (2), 8228 (2), 8668, 8437, 8832         | 4477 (2), 4760, 4861 (2)                 |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6705                                | $D_8 \times 2^2 : 2$           | 64    | 1871100 | 8445, 8850, 8635, 8852, 8159, 8628, 8196, 8619, 8603, 8206, 8670, 8436, 8631, 8835, 8213                 | 4477, 4538, 4567   |
| 6706                                | $D_8 \times D_8$               | 64    | 1871100 | 8209, 8834, 8203, 8833, 8146, 8639, 8195, 8645, 8607, 8629, 8671, 8619, 8630, 8850, 8656                 | 4477, 4538, 4568   |
| 6707                                | $D_8 \times D_8$               | 64    | 1871100 | 8377, 8632, 8840, 8674, 8639, 8144, 8200, 8381, 8641, 8647, 8655, 8834, 8211, 8190, 8597                 | 4478, 4482, 4568   |
| 6708                                | $D_8 \times D_8$               | 64    | 935550  | 8377 (2), 8642 (2), 8841 (2), 8633 (2), 8636 (2), 8137, 8162, 8433 (2), 8600                             | 4478 (2), 4759, 4907 (2)   |
| 6709                                | $2^2 \times 4 \cdot 2 : 2$     | 64    | 1871100 | 8130, 8212, 8673, 8190, 8635, 8835, 8189, 8646, 8640, 8877, 8654, 8433, 8444, 8851, 8634                 | 4478, 4483, 4567   |
| 6710                                | $D_8 \times 2^2 \cdot 2$       | 64    | 935550  | 8594, 8815 (4), 8677, 8676   | 4479, 4570, 4723, 4762, 4763, 4875, 4876   |
| 6711                                | $2^{1+4} \times 2$             | 64    | 467775  | 8813 (2), 8251 (4), 9048 (8), 8694 (2), 8083 (2), 8930 (4), 8706 (2), 8593, 8824 (2), 8676 (2), 8814 (2) | 4479, 4524, 4539, 4653, 4689, 4692, 4697, 4723, 4724, 4726, 4731, 4761, 4765, 4807, 4811 |
| 6712                                | $2^3 \cdot 2 \times 2 \cdot 2$ | 64    | 935550  | 8594, 8716, 8715   | 4480, 4643, 4735, 4739, 4762, 4763, 4872   |
| 6713                                | $D_8 : (2 \times 4)$           | 64    | 467775  | 8593, 8346 (4), 8322 (4), 8718 (2), 8715 (2), 8702 (2)   | 4480, 4525, 4578, 4601, 4654, 4683, 4684, 4693, 4732, 4735, 4740, 4741, 4761, 4772, 4782 |

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| Nr.                                 | Structure                  | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 6714                                | $D_8 \times 2^2 : 2$       | 64    | 467775 | 8414 (2), 8779, 8799 (2), 8162 (2), 8809, 8396 (2), 8844 (2), 8593, 8666 (2)     | 4481, 4528, 4576, 4594, 4681, 4684, 4689, 4691, 4720, 4721, 4759, 4767, 4796, 4839, 4841 |
| 6715                                | $2^2 \times 4 \cdot 2 : 2$ | 64    | 935550 | 8211 (2), 8776, 8212 (2), 8777, 8797, 8802, 8380, 8665 (2), 8594, 8850 (2), 8396 | 4481, 4567, 4568, 4639, 4849, 4853, 4879   |
| 6716                                | $D_8 \times 2^2 : 2$       | 64    | 467775 | 8426, 8780 (2), 8651, 8803, 8125 (2), 8798, 8380 (2), 8846 (2), 8593, 8853, 8667 | 4481, 4532, 4559, 4606, 4661, 4682, 4683, 4690, 4692, 4713, 4715, 4760, 4801, 4834, 4837 |
| 6717                                | $2^2 \times 4 : 2 : 2$     | 64    | 935550 | 8414, 8845, 8189 (2), 8660 (2), 8650, 8839, 8412, 8836, 8200 (2), 8658 (2), 8842 | 4482, 4483, 4528, 4574, 4716, 4718, 4770   |
| 6718                                | $D_8 \times D_8$           | 64    | 467775 | 8426, 8659 (2), 8596, 8837 (2), 8381 (2), 8118 (2), 8881 (2), 8650, 8848 (2)     | 4482 (2), 4532, 4560, 4663, 4695 (2), 4710 (2), 4801 (2)                                 |
| 6719                                | $D_8 \times D_8$           | 64    | 467775 | 8427, 8838 (2), 8847 (2), 8877 (2), 8115 (2), 8661 (2), 8650, 8878 (2), 8651     | 4483 (2), 4532, 4561, 4662, 4696 (2), 4714 (2), 4778 (2)                                 |
| 6720                                | $2^3 \cdot 2 : 2 \times 2$ | 64    | 935550 | 8774, 8400, 8327, 8826, 8708, 8812, 8828   | 4485, 4579, 4764, 4768, 4769, 4771, 4773   |
| 6721                                | $2^{1+4} : 2$              | 64    | 935550 | 8830, 8400, 8682, 8827, 8707, 8812, 8829   | 4485, 4764 (2), 4766 (2)   |
| 6722                                | $2^{1+4} : 2$              | 64    | 467775 | 8650, 8826 (2), 8707 (2), 8401, 8813   | 4485, 4656 (2), 4662, 4663, 4667 (2), 4765 (2), 4770 (2)                                 |
| 6723                                | $2^2 \times 4 \cdot 2 : 2$ | 64    | 935550 | 8383, 8328, 8389, 8858, 8594, 8856, 8906   | 4487, 4542, 4585, 4775, 4776, 4849, 4853   |
| 6724                                | $2^4 \cdot 2 : 2$          | 64    | 467775 | 8593, 8858 (2), 8383 (2), 8329, 8906   | 4487, 4533, 4563, 4587, 4666, 4722, 4724, 4741, 4742, 4748, 4749, 4780, 4781, 4834, 4839 |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 6725                                | $2 \times 4 : 2 : 2 \times 2$   | 64    | 467775 | 8389 (2), 8900 (2),<br>8650 (2), 8855 (2),<br>8899 (2), 8858 (2),<br>8593, 8856, 8330  | 4487, 4522, 4569,<br>4685, 4686, 4687,<br>4688, 4758, 4765,<br>4777, 4778, 4782,<br>4796, 4799, 4801 |
| 6726                                | $D_8 : 2^3$                     | 64    | 935550 | 8430 (2), 8375 (2),<br>9029 (2), 8102 (2),<br>8678, 8089 (2), 8705,<br>8885 (2), 8684  | 4494, 4555, 4610,<br>4783, 4786, 4859,<br>4864   |
| 6727                                | $D_8 \times 2^2 \cdot 2$        | 64    | 935550 | 8705, 8601 (4), 8685,<br>8679  | 4494, 4571, 4785,<br>4788, 4804, 4874,<br>4877   |
| 6728                                | $D_8 : 2^3$                     | 64    | 935550 | 8678, 8741 (2), 8571<br>(2), 8085 (4), 8092<br>(4), 8706, 8685   | 4494, 4610, 4653,<br>4784, 4789, 4896,<br>4904   |
| 6729                                | $2^{1+4} \times 2$              | 64    | 935550 | 8883 (2), 8693 (2),<br>9048 (4), 8929 (2),<br>8931 (2), 8814 (2),<br>8348 (2), 8684, 9049<br>(4), 8251 (2), 8362<br>(2), 8706, 8884 (2),<br>8901 (2), 8679 | 4494, 4539, 4787,<br>4790, 4804, 4805,<br>4843   |
| 6730                                | $D_8 : 2^3$                     | 64    | 935550 | 8449 (2), 8772 (2),<br>9035 (2), 8568 (2),<br>8717, 8094 (4), 8806,<br>8678  | 4495, 4645, 4700,<br>4783, 4784, 4859,<br>4904   |
| 6731                                | $Q_8 \times 2 : 2 : 2$          | 64    | 935550 | 8806, 8999 (2), 8950<br>(2), 8735 (2), 8679,<br>8331 (2), 8998 (2),<br>8718, 8733 (2)  | 4495, 4601, 4785,<br>4790, 4843, 4873,<br>4877   |
| 6732                                | $D_8 \times 2 \cdot 2 \times 2$ | 64    | 935550 | 9041 (2), 8586 (2),<br>8717, 8807, 8679  | 4495, 4573, 4787,<br>4788, 4805, 4873,<br>4874   |
| 6733                                | $D_8 \cdot (2 \times 4)$        | 64    | 935550 | 8678, 8788 (2), 8807,<br>8718, 8575 (2)  | 4495, 4645, 4654,<br>4786, 4789, 4864,<br>4896   |
| 6734                                | $D_8 \times 2 \cdot 2 : 2$      | 64    | 935550 | 8599, 8736 (2), 8336<br>(2), 9009 (2), 8676,<br>8997 (2), 8331 (2),<br>8715, 8734 (2)  | 4496, 4601, 4761,<br>4762, 4811, 4872,<br>4876   |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 6735                                | $D_8 \times 2 \cdot 2 \times 2$ | 64    | 935550 | 9034 (2), 8086 (2),<br>8598, 8716, 8676   | 4496, 4572, 4697,<br>4731, 4763, 4872,<br>4875                 |
| 6736                                | $2^3 \cdot 2 \times 2 \cdot 2$  | 64    | 935550 | 8598, 8715, 8677  | 4496, 4643, 4693,<br>4740, 4744, 4763,<br>4876                 |
| 6737                                | $2 \times 4 : 2 : 2 \times 2$   | 64    | 935550 | 8599, 9046 (4), 8716,<br>8677   | 4496, 4643, 4694,<br>4751, 4756, 4762,<br>4875                 |
| 6738                                | $2^2 \times 4 : 2 : 2$          | 64    | 467775 | 8378, 8677, 8946 (2),<br>8972 (2), 8715   | 4499, 4620 (2), 4642,<br>4693 (2), 4762 (2),<br>4835, 4857 (2) |
| 6739                                | $2^2 \times 4 : 2 : 2$          | 64    | 467775 | 8395, 8940 (2), 8972<br>(2), 8716, 8677   | 4499, 4626 (2), 4637,<br>4694 (2), 4763 (2),<br>4842, 4850 (2) |
| 6740                                | $D_8 \times 2^2 : 2$            | 64    | 467775 | 8112 (2), 8963 (4),<br>8920 (2), 8378, 8972<br>(2), 8716, 8738 (2),<br>8676             | 4499, 4603 (2), 4607,<br>4697 (2), 4762 (2),<br>4886, 4888 (2) |
| 6741                                | $D_8 \times 2 : 2 \times 2$     | 64    | 467775 | 8395, 8334 (4), 8732<br>(4), 8940, 8946,<br>8715, 8738, 8333,<br>8676                   | 4499, 4592, 4596 (2),<br>4761 (2), 4763 (2),<br>4881 (2), 4884 |
| 6742                                | $D_8 \times 2^2 : 2$            | 64    | 935550 | 8605, 8711, 8811,<br>8909, 8905, 8333,<br>8675  | 4500, 4593, 4596,<br>4597, 4878, 4881,<br>4884                 |
| 6743                                | $2^3 \cdot 2 \times 2 : 2$      | 64    | 935550 | 8616, 8953 (2), 8777,<br>8956 (2), 8712, 8914<br>(2), 8787, 8882 (2),<br>8905 (2), 8675 | 4500, 4602, 4604,<br>4608, 4879, 4882,<br>4883                 |
| 6744                                | $2^3 \times 4 \cdot 2$          | 64    | 935550 | 8787, 8616, 8909 (2),<br>8610, 8811, 8712   | 4500, 4616, 4618,<br>4622, 4830, 4833,<br>4852                 |
| 6745                                | $D_8 \times 2^2 : 2$            | 64    | 467775 | 8443 (2), 8226 (4),<br>8832 (2), 8798, 8766<br>(2), 8678, 8747 (2),<br>8709             | 4501, 4511 (2), 4635,<br>4760, 4783 (2), 4789<br>(2), 4844 (2) |
| 6746                                | $D_8 \times 2 : 2 \times 2$     | 64    | 467775 | 8766, 8982 (4), 8729<br>(4), 8943, 8749,<br>8333, 8808, 8679,<br>8709                   | 4501, 4592, 4597 (2),<br>4788 (2), 4790 (2),<br>4878, 4881 (2) |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 6747                                | $D_8 \times 2 : 2 \times 2$   | 64    | 467775 | 8678, 9019 (4), 8943 (2), 8710, 8808, 8577 (4), 8747 (2)   | 4501, 4617 (2), 4640, 4784 (2), 4786 (2), 4829, 4854 (2) |
| 6748                                | $D_8 \times 2^2 : 2$          | 64    | 467775 | 8667 (2), 8958 (4), 8916 (2), 8798, 8749 (2), 8747 (2), 8679, 8710   | 4501, 4605 (2), 4606, 4785 (2), 4787 (2), 4885, 4887 (2) |
| 6749                                | $2^{1+4} \times 2$            | 64    | 935550 | 8405 (2), 8353 (2), 9050 (4), 9000 (2), 8988 (2), 8823 (2), 8354 (2), 8320 (2), 9051 (4), 8994 (2), 8713, 8887 (2), 8696, 8327, 8725 (2) | 4502, 4531, 4575, 4584, 4769, 4820, 4824                 |
| 6750                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550 | 8696, 8722 (4), 8683, 8714   | 4502, 4540, 4583, 4806, 4808, 4812, 4815                 |
| 6751                                | $2^3 \cdot 2 : 2 \times 2$    | 64    | 935550 | 8713, 8723 (4), 8805, 8683   | 4502, 4541, 4582, 4680, 4802, 4821, 4824                 |
| 6752                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550 | 8327, 8886 (2), 8805, 8724 (2), 8714   | 4502, 4536, 4577, 4581, 4773, 4812, 4814                 |
| 6753                                | $2^{1+4} \times 2$            | 64    | 935550 | 8439 (2), 8698 (2), 9052 (4), 8988 (2), 9012 (2), 9053 (2), 8353 (2), 8320 (2), 9054 (4), 8352 (2), 8709, 8890 (2), 8806, 8684, 8892 (2) | 4503, 4575, 4631, 4783, 4790, 4858, 4870                 |
| 6754                                | $D_8 \cdot 2^3$               | 64    | 935550 | 8806, 8800 (2), 9044 (4), 8889 (4), 8685, 8584 (2), 8710   | 4503, 4648, 4754, 4784, 4785, 4869, 4902                 |
| 6755                                | $8 : 2 : 2 \times 2$          | 64    | 935550 | 8709, 8888 (4), 8807, 8685   | 4503, 4647, 4677, 4788, 4789, 4870, 4903                 |
| 6756                                | $D_8 \cdot 2^3$               | 64    | 935550 | 8870 (2), 8385 (2), 9032 (2), 8107 (2), 8684, 8891 (2), 8807, 8893 (2), 8710   | 4503, 4564, 4612, 4786, 4787, 4863, 4869                 |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 6757                                | $Q_8 : (2 \times 4)$           | 64    | 935550 | 8431, 9039, 8099, 8871, 8798, 8717, 8684   | 4504, 4559, 4611, 4783, 4787, 4860, 4867 |
| 6758                                | $2 \times 4^2 \cdot 2$         | 64    | 935550 | 8717, 9027 (2), 8685, 8808, 8578 (2)   | 4504, 4646, 4747, 4784, 4788, 4866, 4898 |
| 6759                                | $2 \times 4^2 \cdot 2$         | 64    | 935550 | 8798, 8718, 8685   | 4504, 4649, 4683, 4785, 4789, 4867, 4900 |
| 6760                                | $D_8 : (2 \times 4)$           | 64    | 935550 | 8684, 8993 (2), 8322 (2), 9017, 8718, 9003, 8355 (2), 8704 (2), 8808, 8399, 8288 | 4504, 4578, 4632, 4786, 4790, 4865, 4866 |
| 6761                                | $2 \times 4 : 2 : 2 \times 2$  | 64    | 935550 | 8402 (2), 8822 (2), 8809, 8719, 8327   | 4505, 4531, 4576, 4581, 4768, 4822, 4826 |
| 6762                                | $2^3 \cdot 2 \times 2 \cdot 2$ | 64    | 935550 | 8719, 8683, 8810   | 4505, 4540, 4582, 4809, 4810, 4817, 4818 |
| 6763                                | $2^4 \cdot 2 \cdot 2$          | 64    | 935550 | 8809, 8702, 8683   | 4505, 4541, 4583, 4684, 4803, 4822, 4827 |
| 6764                                | $D_8 : (2 \times 4)$           | 64    | 935550 | 8327, 8356 (2), 8322 (2), 9003 (2), 8993 (2), 8702, 8357 (2), 8986 (2), 8810     | 4505, 4536, 4578, 4584, 4771, 4816, 4818 |
| 6765                                | $D_8 \times 2 : 2 \times 2$    | 64    | 935550 | 8698, 8652 (2), 8370, 8704, 8687 (2), 8690, 8693, 8735 (2), 8754, 8756, 8729 (2) | 4506, 4790 (2), 4791 (2)                 |
| 6766                                | $2^3 \times 4 : 2$             | 64    | 935550 | 8696, 8369 (2), 8730 (2), 8757, 8703, 8727 (2), 8734 (2), 8755, 8694, 8726, 8370 | 4506, 4544, 4791, 4806, 4811, 4820, 4823 |
| 6767                                | $D_8 \times 2^2 : 2$           | 64    | 935550 | 8700, 8728 (2), 8726, 8701, 8653 (2), 8368, 8693, 8733 (2), 8721, 8751, 8731 (2) | 4506, 4794 (2), 4843 (2)                 |
| 6768                                | $D_8 \times 2 : 2 \times 2$    | 64    | 935550 | 8697, 8686 (2), 8736 (2), 8758, 8702, 8367 (2), 8732 (2), 8753, 8694, 8690, 8368 | 4506, 4543, 4761, 4794, 4803, 4813, 4816 |

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| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups   | Minimal Overgroups                             |
| 6769                                | $D_8 \times 2 \cdot 2 \times 2$ | 64    | 935550  | 8403 (2), 8821 (2),<br>8713, 8708, 8719   | 4507, 4531, 4582,<br>4757, 4769, 4821,<br>4825 |
| 6770                                | $2^3 \cdot 2 \times 2 \cdot 2$  | 64    | 935550  | 8708, 8702, 8714  | 4507, 4536, 4583,<br>4772, 4773, 4813,<br>4815 |
| 6771                                | $2^2 \times 4 : 2 : 2$          | 64    | 935550  | 8713, 8689 (2), 8997<br>(2), 8334 (2), 8991<br>(2), 8365 (2), 8694,<br>8366 (2), 8702     | 4507, 4541, 4584,<br>4761, 4802, 4820,<br>4825 |
| 6772                                | $2^3 \cdot 2 : 2 \times 2$      | 64    | 935550  | 8719, 8760 (4), 8694,<br>8714   | 4507, 4540, 4581,<br>4806, 4807, 4813,<br>4814 |
| 6773                                | $D_8 \times 2 \cdot 2 \times 2$ | 64    | 935550  | 8451 (2), 9030 (2),<br>8709, 8705, 8717   | 4508, 4647, 4717,<br>4783, 4788, 4858,<br>4906 |
| 6774                                | $D_8 \cdot (2 \times 4)$        | 64    | 935550  | 8705, 8789 (2), 8718,<br>8574 (2), 8710   | 4508, 4648, 4732,<br>4785, 4786, 4863,<br>4897 |
| 6775                                | $2 \times 4 : 2 : 2 : 2$        | 64    | 935550  | 8709, 8687 (2), 9014<br>(2), 8736 (2), 8334<br>(2), 8739 (2), 8706,<br>8691 (2), 8718     | 4508, 4631, 4761,<br>4789, 4790, 4903,<br>4906 |
| 6776                                | $D_8 : 2^3$                     | 64    | 935550  | 9040 (2), 8744 (2),<br>9032 (2), 8573 (2),<br>8717, 9055 (4), 8706,<br>8710               | 4508, 4612, 4726,<br>4784, 4787, 4897,<br>4902 |
| 6777                                | $D_8 \times 2 : 2 \cdot 2$      | 64    | 1871100 | 8772, 8768, 8741,<br>8578, 8577, 8800,<br>8744  | 4510, 4784, 4892                               |
| 6778                                | $D_8 \cdot D_8$                 | 64    | 1871100 | 8773, 8740, 8745,<br>8801, 8580, 8576,<br>8768  | 4510, 4892, 4893                               |
| 6779                                | $2 \times 4 : 2 \cdot 2 : 2$    | 64    | 1871100 | 8567, 8740, 8769,<br>8796, 8585, 8789,<br>8744  | 4510, 4895, 4897                               |
| 6780                                | $D_8 \cdot D_8$                 | 64    | 1871100 | 8566, 8788, 8795,<br>8583, 8745, 8741,<br>8769  | 4510, 4895, 4896                               |
| 6781                                | $D_8 \times 2^2 : 2$            | 64    | 935550  | 8605, 8221 (2), 8213<br>(2), 8766, 8776,<br>8742, 8441 (2), 8851<br>(2), 8746, 8711, 8791 | 4511, 4514, 4567,<br>4633, 4844, 4847,<br>4878 |

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| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 6782                                | $2^4 \cdot 2 : 2$                  | 64    | 935550 | 8743, 8664 (2), 8163 (2), 8678, 8799, 8767, 8442 (2), 8841 (2), 8746, 8764, 8794                 | 4511, 4513, 4634, 4759, 4848, 4854, 4889                 |
| 6783                                | $2^3 \times 4 : 2$                 | 64    | 935550 | 8608, 8833 (2), 8674 (2), 8222 (2), 8210 (2), 8790, 8797, 8781, 8747, 8742, 8767                 | 4511, 4515, 4568, 4636, 4845, 4854, 4885                 |
| 6784                                | $2 \times 4 : 2 \times 2 \times 2$ | 64    | 935550 | 8604, 8673 (2), 8214 (2), 8764, 8782, 8742, 8445 (2), 8223 (2), 8743, 8802, 8787                 | 4513, 4515, 4567, 4638, 4848, 4852, 4883                 |
| 6785                                | $D_8 \times 2^3$                   | 64    | 467775 | 8743 (2), 9023 (4), 8662 (2), 8566 (4), 8225 (4), 8265 (8), 8678, 8792, 8765 (2), 8446 (2), 8803 | 4513 (2), 4640, 4760, 4855 (2), 4859 (2), 4889, 4896 (2) |
| 6786                                | $D_8 \times 2 : 2 \times 2$        | 64    | 935550 | 8609, 8663 (2), 8219 (2), 8840 (2), 8209 (2), 8786, 8793, 8777, 8743, 8742, 8765                 | 4513, 4514, 4568, 4641, 4851, 4855, 4883                 |
| 6787                                | $D_8 \times 2 : 2 \times 2$        | 64    | 467775 | 8605 (2), 8842 (2), 8713, 8779, 8220 (4), 8786 (2), 8413 (2), 8774                               | 4514 (2), 4528, 4593, 4769 (2), 4795, 4802 (2), 4838 (2) |
| 6788                                | $2^3 \times 4 : 2$                 | 64    | 935550 | 8608, 8831, 8848, 8774, 8780, 8126, 8124, 8609, 8791, 8882, 8672, 8787, 8428, 8847, 8785         | 4514, 4515, 4532, 4608, 4800, 4833, 4836                 |
| 6789                                | $2^4 \cdot 2 \times 2$             | 64    | 467775 | 8604 (2), 8845 (2), 8809, 8697, 8224 (4), 8790 (2), 8411 (2), 8774                               | 4515 (2), 4528, 4591, 4768 (2), 4797, 4803 (2), 4840 (2) |
| 6790                                | $Q_8 : (2 \times 4)$               | 64    | 935550 | 8097 (2), 9037 (2), 8798, 8705, 8806   | 4516, 4649, 4715, 4783, 4785, 4860, 4905                 |
| 6791                                | $4^2 \cdot 2 : 2$                  | 64    | 935550 | 8705, 8576 (2), 8807, 8808, 9025 (2)   | 4516, 4646, 4736, 4786, 4788, 4865, 4893                 |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 6792                                | $D_8 : (2 \times 4)$          | 64    | 935550  | 8099 (2), 9042 (2),<br>8798, 8706, 8807   | 4516, 4611, 4692,<br>4787, 4789, 4900,<br>4905                 |
| 6793                                | $D_8 \times 2 \cdot 2 : 2$    | 64    | 935550  | 8806, 8750 (2), 8336<br>(2), 8652, 8706,<br>8768, 8808, 8992 (2),<br>8730 (2), 9015, 9001   | 4516, 4632, 4784,<br>4790, 4811, 4893,<br>4898                 |
| 6794                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550  | 8404 (2), 8820 (2),<br>8708, 8696, 8809   | 4517, 4531, 4583,<br>4767, 4768, 4823,<br>4827                 |
| 6795                                | $2^2 \times 4 : 2 : 2$        | 64    | 935550  | 8696, 8990 (2), 8983<br>(2), 8364 (2), 8810,<br>8336 (2), 9002 (2),<br>8694, 8363 (2)   | 4517, 4540, 4584,<br>4809, 4811, 4816,<br>4819                 |
| 6796                                | $2^2 \times 4 : 2 \cdot 2$    | 64    | 935550  | 8708, 8805, 8810  | 4517, 4536, 4582,<br>4771, 4774, 4817,<br>4819                 |
| 6797                                | $D_8 \times 2^2 \cdot 2$      | 64    | 935550  | 8809, 8088 (4), 8805,<br>8694   | 4517, 4541, 4581,<br>4689, 4803, 4823,<br>4826                 |
| 6798                                | $2^{1+4} : 2$                 | 64    | 1871100 | 8413, 8420, 8819,<br>8821, 8818, 8812,<br>8823  | 4521, 4766, 4769   |
| 6799                                | $2^{1+4} : 2$                 | 64    | 935550  | 8414, 8822 (2), 8818<br>(2), 8419, 8813   | 4521, 4576, 4671,<br>4676, 4704, 4706,<br>4770                 |
| 6800                                | $2^{1+4} : 2$                 | 64    | 935550  | 8414, 8820 (2), 8819<br>(2), 8595, 8421   | 4521, 4574, 4673,<br>4674, 4703, 4708,<br>4767                 |
| 6801                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 1871100 | 8420, 8822, 8812,<br>8820, 8411, 8817,<br>8699  | 4521, 4766, 4768   |
| 6802                                | $2^{1+4} \times 2$            | 64    | 935550  | 8421, 9056 (4), 8289<br>(4), 9053 (2), 9057<br>(2), 8823 (2), 8813,<br>8113 (2), 9050 (4),<br>9052 (4), 8100 (2),<br>8412, 8699 (2) | 4521, 4575, 4670,<br>4675, 4705, 4707,<br>4770                 |
| 6803                                | $2^4 \cdot 2 : 2$             | 64    | 467775  | 8602 (2), 8859 (2),<br>8898 (4), 8830 (2),<br>8857, 8774, 8855 (2),<br>8330   | 4522, 4758 (2), 4764<br>(2), 4795, 4797, 4798<br>(2), 4800 (2) |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 6804                                | $D_8 \times 2^3$           | 64    | 467775  | 8779, 8756 (4), 8894 (4), 8902 (4), 8904 (4), 8837 (4), 8780 (2), 8860 (4), 8862 (2), 8703, 8330   | 4523, 4791 (2), 4792 (2), 4795, 4796, 4800 (2), 4801 (2) |
| 6805                                | $D_8 \times 2^3$           | 64    | 467775  | 8697, 8902 (4), 8903 (4), 8751 (4), 8895 (4), 8860 (4), 8861 (2), 8838 (4), 8785 (2), 8863, 8330   | 4523, 4777, 4778 (2), 4793 (2), 4794 (2), 4797, 4800 (2) |
| 6806                                | $2^4 \cdot 2 : 2$          | 64    | 935550  | 8774, 8683, 8812 (2), 8825 (2), 8694   | 4524, 4579, 4764, 4802, 4803, 4806, 4809                 |
| 6807                                | $2^{1+4} : 2$              | 64    | 935550  | 8650, 8681 (2), 8813, 8825 (2), 8595   | 4524, 4569, 4695, 4696, 4728, 4729, 4765                 |
| 6808                                | $2^4 \cdot 2 \cdot 2$      | 64    | 935550  | 8774, 8702, 8805   | 4525, 4600, 4771, 4773, 4798, 4802, 4803                 |
| 6809                                | $2^{1+4} : 2$              | 64    | 1871100 | 8855, 8828, 8591, 8682, 8829, 8825, 8681   | 4526, 4569, 4764   |
| 6810                                | $2^4 \cdot 2 : 2$          | 64    | 935550  | 8856, 8708, 8825 (2), 8826 (2), 8694   | 4526, 4579, 4765, 4813, 4819, 4823, 4825                 |
| 6811                                | $2^{1+4} \times 2$         | 64    | 935550  | 8901 (2), 8932 (2), 8930 (2), 8884 (4), 9048 (4), 8348 (2), 8857, 8347 (2), 8327, 8361 (2), 8829 (2), 9049 (2), 8824 (2), 8929 (2), 8694 | 4526, 4539, 4764, 4814, 4816, 4820, 4826                 |
| 6812                                | $2^{1+4} : 2$              | 64    | 1871100 | 8855, 8827, 8707, 8825, 8681, 8824, 8826   | 4526, 4764, 4765   |
| 6813                                | $2^3 \cdot 2 : 2 \times 2$ | 64    | 935550  | 8856, 8327, 8828 (2), 8825 (2), 8683   | 4526, 4569, 4579, 4812, 4818, 4822, 4824                 |
| 6814                                | $D_8 \times 2^2 \cdot 2$   | 64    | 935550  | 8857, 8708, 8591 (2), 8827 (2), 8683   | 4526, 4580, 4764, 4815, 4817, 4821, 4827                 |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 6815                                | $2^{1+4} \times 2$            | 64    | 1871100 | 8326, 8350 (2), 9058 (2), 8892 (2), 9047 (2), 8349 (2), 8829, 9054 (2), 8843, 9052 (2), 9056 (2), 9059 (2), 8823, 8725 (2), 8699, 9060 (2), 9051 (2), 8405, 8865 | 4527, 4575, 4766                         |
| 6816                                | $2^{1+4} : 2$                 | 64    | 1871100 | 8844, 8820, 8410, 8827, 8819, 8404, 8865   | 4527, 4766, 4767                         |
| 6817                                | $D_8 \times 2^2 \cdot 2$      | 64    | 1871100 | 8409, 8826, 8845, 8822, 8699, 8404, 8864   | 4527, 4768, 4770                         |
| 6818                                | $2^{1+4} : 2$                 | 64    | 1871100 | 8842, 8828, 8821, 8408, 8405, 8864, 8819   | 4527, 4574, 4769                         |
| 6819                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 1871100 | 8326, 8828, 8845, 8820, 8817, 8402, 8864   | 4527, 4574, 4768                         |
| 6820                                | $2^{1+4} : 2$                 | 64    | 1871100 | 8842, 8826, 8403, 8818, 8823, 8864, 8410   | 4527, 4769, 4770                         |
| 6821                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 1871100 | 8409, 8827, 8843, 8821, 8817, 8403, 8866   | 4527, 4757, 4766                         |
| 6822                                | $2^{1+4} : 2$                 | 64    | 1871100 | 8844, 8402, 8829, 8818, 8866, 8822, 8408   | 4527, 4576, 4766                         |
| 6823                                | $2^4 \cdot 2 : 2$             | 64    | 935550  | 8413, 8208 (2), 8656 (2), 8201 (2), 8603 (2), 8843, 8411, 8844, 8830, 8836, 8839   | 4528, 4538 (2), 4766 (2)                 |
| 6824                                | $2^{1+4} : 2$                 | 64    | 935550  | 8830, 8854 (2), 8865, 8420 (2), 8866   | 4529, 4752 (2), 4766 (2)                 |
| 6825                                | $2^{1+4} : 2$                 | 64    | 935550  | 8650, 8864 (2), 8419, 8854 (2), 8421   | 4529, 4574, 4699, 4701, 4710, 4714, 4770 |
| 6826                                | $D_8 \times 2^2 \cdot 2$      | 64    | 935550  | 8420 (2), 8864 (2), 8774, 8696, 8719   | 4529, 4600, 4768, 4769, 4798, 4806, 4809 |

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|-------------------------------------|-------------------------------|-------|---------|---|--|
| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 6827                                | $2^{1+4} \times 2$            | 64    | 467775  | 8421 (2), 8352 (4),<br>8994 (4), 8806 (2),<br>8599 (2), 9058 (8),<br>9061 (2), 9057 (2),<br>8696 (2), 8593, 8865<br>(2) | 4529, 4575, 4601,<br>4700, 4702, 4711,<br>4715, 4749, 4751,<br>4754, 4756, 4767,<br>4799, 4808, 4811 |
| 6828                                | $D_8 \times 2^2 : 2$          | 64    | 1871100 | 8409, 9062 (2), 8707,<br>9063 (2), 8839, 8818,<br>8699, 8695 (2), 8410,<br>9064 (2), 8854                               | 4530, 4766, 4770   |
| 6829                                | $2^2 \times 4 : 2 \times 2$   | 64    | 935550  | 8409 (2), 9062 (4),<br>8708, 8697, 9004 (2),<br>8817 (2), 8700 (2),<br>8719   | 4530, 4589, 4757,<br>4768, 4794, 4813,<br>4817   |
| 6830                                | $D_8 \times 2 : 2 \times 2$   | 64    | 1871100 | 8408, 9062 (2), 8682,<br>8763 (2), 8839, 8817,<br>8819, 9064 (2), 8326,<br>8349 (2), 8854                               | 4530, 4574, 4766   |
| 6831                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550  | 8408 (2), 8763 (2),<br>8327, 9063 (2), 8779,<br>9004 (2), 8818 (2),<br>8354 (2), 8719                                   | 4530, 4576, 4588,<br>4769, 4792, 4814,<br>4818   |
| 6832                                | $D_8 \times 2^2 : 2$          | 64    | 935550  | 8410 (2), 9004 (2),<br>8708, 8779, 9064 (4),<br>8819 (2), 8696, 8698<br>(2)   | 4530, 4590, 4767,<br>4769, 4791, 4815,<br>4819   |
| 6833                                | $2^{1+4} : 2$                 | 64    | 1871100 | 8836, 8404, 8823,<br>8707, 8403, 8822,<br>8854  | 4531, 4766, 4770   |
| 6834                                | $2^{1+4} : 2$                 | 64    | 1871100 | 8836, 8820, 8682,<br>8405, 8854, 8402,<br>8821  | 4531, 4574, 4766   |
| 6835                                | $D_8 \times D_8$              | 64    | 935550  | 8428, 8831, 8838,<br>8880, 8120, 8879,<br>8119, 8837, 8607,<br>8830, 8849, 8852,<br>8606, 8657, 8846                    | 4532, 4538 (2), 4800<br>(2)  |
| 6836                                | $2^2 \times 4 \cdot 2 : 2$    | 64    | 935550  | 8610, 8858, 8907,<br>8859, 8774, 8908,<br>8611  | 4533, 4585, 4758,<br>4833, 4836, 4838,<br>4840   |
| 6837                                | $2^2 \times 4 \cdot 2 : 2$    | 64    | 467775  | 8382, 8907 (2), 8677,<br>8593, 8859 (2)   | 4533, 4562, 4586,<br>4665, 4723, 4725,<br>4740, 4743, 4750,<br>4751, 4758, 4835,<br>4837, 4841, 4842 |

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| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 6838                                | $2 \times 4^2 : 2$                | 64    | 935550 | 8708, 9005 (2), 8805, 8703, 8704 (2)   | 4534, 4589, 4773, 4774, 4791, 4821, 4823   |
| 6839                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 935550 | 8327, 9005 (2), 8805, 8357 (2), 8863   | 4534, 4577, 4588, 4771, 4793, 4824, 4826   |
| 6840                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 935550 | 8708, 9005 (2), 8702, 8701 (2), 8863   | 4534, 4590, 4771, 4772, 4794, 4825, 4827   |
| 6841                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 467775 | 8774, 8703, 8612 (2), 8912 (2), 8714   | 4535, 4591, 4773 (2), 4795, 4806 (2), 4828 (2), 4836 (2)                                 |
| 6842                                | $D_8 \times (2 \times 4)$         | 64    | 467775 | 8593, 8986 (4), 8808, 8398, 8355 (4), 8810, 8715, 8911, 8703                     | 4535, 4578, 4592, 4736, 4739, 4744, 4747, 4774, 4796, 4810, 4811, 4829, 4832, 4834, 4835 |
| 6843                                | $2 \times 4 : 2 \times 2 \cdot 2$ | 64    | 467775 | 8774, 8810, 8613 (2), 8909 (2), 8863   | 4535, 4593, 4771 (2), 4797, 4809 (2), 4830 (2), 4833 (2)                                 |
| 6844                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 467775 | 8593, 8910 (2), 8397 (2), 8714, 8863   | 4535, 4577, 4594, 4737, 4738, 4745, 4746, 4772, 4777, 4779, 4781, 4807, 4808, 4831, 4837 |
| 6845                                | $D_8 \times D_8$                  | 64    | 935550 | 8831 (2), 8868, 8917 (2), 8921 (2), 8869, 8614 (2), 8922 (2), 8830, 8860 (2)     | 4537, 4752 (2), 4800 (2)   |
| 6846                                | $D_8 \times D_8$                  | 64    | 935550 | 8651, 8919 (2), 8923 (2), 8867 (2), 8596, 8913 (2), 8387 (2), 8650, 8860 (2)     | 4537, 4565, 4667, 4728, 4729, 4778, 4801   |
| 6847                                | $2^2 \times 4 : 2 : 2$            | 64    | 935550 | 8831 (2), 8867 (2), 8918 (2), 8928, 8774, 8862, 8615, 8914 (2), 8861, 8926, 8616 | 4537, 4608, 4800, 4828, 4830, 4838, 4840   |
| 6848                                | $D_8 \times 2^2 : 2$              | 64    | 467775 | 8651 (2), 8916 (2), 8924 (2), 8861 (2), 8593, 8710, 8386 (2), 8868 (2), 8925     | 4537, 4564, 4606, 4669, 4726, 4727, 4732, 4733, 4754, 4755, 4778, 4779, 4780, 4829, 4841 |

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| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 6849                                | $2 \times 4 : 2 : 2 \times 2$     | 64    | 467775 | 8596 (2), 8915 (2), 8920 (2), 8862 (2), 8593, 8927 (2), 8716, 8869 (2), 8388 | 4537, 4566, 4607, 4668, 4730, 4731, 4734, 4735, 4753, 4756, 4801, 4831, 4832, 4839, 4842 |
| 6850                                | $2^4 \cdot 2 : 2$                 | 64    | 935550 | 8610, 8856, 8859, 8908, 8742, 8934, 8602                                     | 4542, 4585, 4758, 4845, 4847, 4851, 4852   |
| 6851                                | $D_8 \times 2^2 : 2$              | 64    | 935550 | 8742, 8858, 8857, 8907, 8678, 8934, 8602                                     | 4542, 4587, 4758, 4844, 4848, 4854, 4855   |
| 6852                                | $2^4 \cdot 2 : 2$                 | 64    | 935550 | 8376, 8908, 8677, 8934, 8389, 8859, 8857                                     | 4542, 4586, 4758, 4846, 4850, 4856, 4857   |
| 6853                                | $2^4 \cdot 2 : 2$                 | 64    | 935550 | 8779, 8758 (2), 8683, 8702, 9006 (2)   | 4543, 4590, 4684, 4792, 4802, 4815, 4818   |
| 6854                                | $D_8 \times 2^2 : 2$              | 64    | 935550 | 8779, 8761 (4), 8111 (4), 9006 (2), 8694, 8690 (2), 8805                     | 4543, 4588, 4689, 4791, 4802, 4814, 4819   |
| 6855                                | $2^4 \cdot 2 : 2$                 | 64    | 935550 | 8697, 9006 (2), 8683, 8753 (2), 8805   | 4543, 4589, 4680, 4793, 4803, 4812, 4817   |
| 6856                                | $2^2 \times 4 : 2 : 2$            | 64    | 935550 | 8696, 8755 (2), 8683, 9007 (2), 8863   | 4544, 4590, 4793, 4808, 4809, 4824, 4827   |
| 6857                                | $2 \times 4 : 2 \times 2 : 2$     | 64    | 935550 | 8719, 9007 (2), 8694, 8726 (2), 8863   | 4544, 4588, 4794, 4807, 4809, 4825, 4826   |
| 6858                                | $2^2 \times 4 : 2 \cdot 2$        | 64    | 935550 | 8719, 9007 (2), 8683, 8703, 8757 (2)   | 4544, 4589, 4792, 4806, 4810, 4821, 4822   |
| 6859                                | $2^4 \cdot 2 \cdot 2$             | 64    | 467775 | 8809, 8797 (2), 8936 (2), 8703, 8856   | 4545, 4591, 4796, 4822 (2), 4823 (2), 4845 (2), 4849 (2)                                 |
| 6860                                | $2^2 \times 4 : 2 : 2$            | 64    | 467775 | 8713, 8935 (2), 8711 (2), 8863, 8856   | 4545, 4593, 4775 (2), 4777, 4824 (2), 4825 (2), 4847 (2)                                 |
| 6861                                | $D_8 \times 2^2 \cdot 2$          | 64    | 467775 | 8809, 8938 (2), 8863, 8764 (2), 8857   | 4545, 4594, 4797, 4826 (2), 4827 (2), 4846 (2), 4848 (2)                                 |
| 6862                                | $2 \times 4 \cdot 2 \times 2 : 2$ | 64    | 467775 | 8713, 8371 (4), 8939, 8985 (4), 8940, 8703, 8766, 8937, 8857                 | 4545, 4592, 4795, 4820 (2), 4821 (2), 4844 (2), 4850 (2)                                 |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 6863                                | $2^4 \cdot 2 : 2$             | 64    | 467775 | 8779, 8802 (2), 8811 (2), 8810, 8856                         | 4546, 4593, 4796, 4818 (2), 4819 (2), 4852 (2), 4853 (2) |
| 6864                                | $2^4 \cdot 2 : 2$             | 64    | 467775 | 8697, 8942 (2), 8793 (2), 8714, 8856                         | 4546, 4591, 4776 (2), 4777, 4812 (2), 4813 (2), 4851 (2) |
| 6865                                | $D_8 \times 2 : 2 \times 2$   | 64    | 467775 | 8779, 8759 (8), 8944 (2), 8714, 8765 (2), 8857               | 4546, 4594, 4795, 4814 (2), 4815 (2), 4855 (2), 4856 (2) |
| 6866                                | $D_8 \times 2 : 2 \times 2$   | 64    | 467775 | 8697, 8987 (4), 8945, 8372 (4), 8946, 8810, 8767, 8943, 8857 | 4546, 4592, 4797, 4816 (2), 4817 (2), 4854 (2), 4857 (2) |
| 6867                                | $2^4 \cdot 2 : 2$             | 64    | 935550 | 8799, 8780, 8810, 8808, 8797, 8811, 8858                     | 4547, 4597, 4796, 4833, 4834, 4853, 4854                 |
| 6868                                | $2 \times 4^2 : 2$            | 64    | 935550 | 8786, 8714, 8859, 8944, 8612, 8939, 8780                     | 4547, 4598, 4795, 4836, 4837, 4851, 4856                 |
| 6869                                | $2^4 \cdot 2 : 2$             | 64    | 935550 | 8792, 8714, 8785, 8910, 8793, 8935, 8858                     | 4547, 4595, 4776, 4777, 4781, 4836, 4855                 |
| 6870                                | $2^2 \times 4 \cdot 2 : 2$    | 64    | 935550 | 8604, 8938, 8909, 8946, 8859, 8810, 8785                     | 4547, 4596, 4797, 4833, 4835, 4852, 4857                 |
| 6871                                | $2 \times 4 : 2 \times 2 : 2$ | 64    | 935550 | 8799, 8809, 8862, 8911, 8802, 8936, 8858                     | 4548, 4595, 4796, 4839, 4840, 4848, 4849                 |
| 6872                                | $D_8 \times 2^2 \cdot 2$      | 64    | 935550 | 8790, 8861, 8859, 8938, 8613, 8945, 8809                     | 4548, 4598, 4797, 4840, 4841, 4845, 4846                 |
| 6873                                | $2^4 \cdot 2 : 2$             | 64    | 935550 | 8709, 8861, 8713, 8910, 8711, 8942, 8858                     | 4548, 4597, 4775, 4777, 4780, 4838, 4844                 |
| 6874                                | $2^4 \cdot 2 : 2$             | 64    | 935550 | 8605, 8944, 8912, 8940, 8859, 8862, 8713                     | 4548, 4596, 4795, 4838, 4842, 4847, 4850                 |
| 6875                                | $2 \times 4 : 2 \times 2 : 2$ | 64    | 935550 | 8790, 8861, 8810, 8909, 8764, 8943, 8602                     | 4549, 4597, 4797, 4829, 4830, 4852, 4854                 |
| 6876                                | $2^4 \cdot 2 : 2$             | 64    | 935550 | 8599, 8714, 8389, 8942, 8397, 8935, 8861                     | 4549, 4598, 4776, 4777, 4779, 4828, 4856                 |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 6877                                | $D_8 \times 2^2 : 2$           | 64    | 935550  | 8786, 8714, 8862, 8912, 8765, 8937, 8602   | 4549, 4595, 4795, 4828, 4831, 4851, 4855 |
| 6878                                | $2^4 \cdot 2 : 2$              | 64    | 935550  | 8396, 8936, 8715, 8811, 8389, 8810, 8862   | 4549, 4596, 4796, 4830, 4832, 4853, 4857 |
| 6879                                | $2^3 \cdot 2 \times 2 \cdot 2$ | 64    | 935550  | 8719, 8702, 8856   | 4550, 4600, 4782, 4813, 4818, 4822, 4825 |
| 6880                                | $D_8 \times 2^2 \cdot 2$       | 64    | 935550  | 8696, 9065 (4), 8805, 8856   | 4550, 4600, 4799, 4812, 4819, 4823, 4824 |
| 6881                                | $D_8 \times 2^2 \cdot 2$       | 64    | 935550  | 8719, 8762 (4), 8805, 8857   | 4550, 4599, 4798, 4814, 4817, 4821, 4826 |
| 6882                                | $2 \times 4 : 2 : 2 : 2$       | 64    | 935550  | 8696, 8995 (2), 9009 (2), 8374 (2), 8996 (2), 8702, 8373 (2), 8950 (2), 8857             | 4550, 4601, 4798, 4815, 4816, 4820, 4827 |
| 6883                                | $D_8 \times D_8$               | 64    | 1871100 | 8837, 8855, 8966, 8960, 8846, 8867, 8954, 8969, 8848, 8860, 8975, 8964, 8775, 8869, 8778 | 4551, 4800, 4801                         |
| 6884                                | $D_8 \times D_8$               | 64    | 1871100 | 8838, 8965, 8970, 8868, 8847, 8951, 8961, 8855, 8849, 8974, 8783, 8867, 8784, 8955, 8860 | 4551, 4778, 4800                         |
| 6885                                | $D_8 \times 2^2 : 2$           | 64    | 935550  | 8846 (2), 8868 (2), 8952 (2), 8958 (2), 8780, 8861, 8977, 8973, 8746, 8857, 8747         | 4551, 4606, 4800, 4844, 4846, 4854, 4856 |
| 6886                                | $2^3 \cdot 2 : 2 \times 2$     | 64    | 935550  | 8847 (2), 8953 (2), 8959 (2), 8867 (2), 8785, 8976, 8781, 8856, 8782, 8712, 8861         | 4551, 4608, 4775, 4776, 4778, 4845, 4852 |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups  | Minimal Overgroups                             |
| 6887                                | $2^3 \cdot 2 : 2 \times 2$  | 64    | 935550 | 8848 (2), 8867 (2),<br>8956 (2), 8962 (2),<br>8780, 8856, 8967,<br>8971, 8777, 8862,<br>8776 | 4551, 4608, 4801,<br>4847, 4849, 4851,<br>4853 |
| 6888                                | $2^3 \cdot 2 : 2 \times 2$  | 64    | 935550 | 8849 (2), 8957 (2),<br>8963 (2), 8869 (2),<br>8785, 8968, 8972,<br>8857, 8743, 8978,<br>8862 | 4551, 4607, 4800,<br>4848, 4850, 4855,<br>4857 |
| 6889                                | $D_8 \times (2 \times 4)$   | 64    | 935550 | 8879 (2), 8955 (2),<br>8922 (2), 8969 (2),<br>8791, 8863, 8859,<br>8973, 8616, 8978,<br>8780 | 4552, 4602, 4800,<br>4833, 4837, 4846,<br>4847 |
| 6890                                | $D_8 \times (2 \times 4)$   | 64    | 935550 | 8878 (2), 8919 (2),<br>8970 (2), 8955 (2),<br>8794, 8858, 8785,<br>8712, 8782, 8925,<br>8863 | 4552, 4604, 4775,<br>4778, 4781, 4833,<br>4848 |
| 6891                                | $D_8 \times (2 \times 4)$   | 64    | 935550 | 8659 (2), 8919 (2),<br>8964 (2), 8969 (2),<br>8798, 8858, 8703,<br>8971, 8776, 8927,<br>8780 | 4552, 4605, 4801,<br>4834, 4836, 4844,<br>4849 |
| 6892                                | $D_8 \times (2 \times 4)$   | 64    | 935550 | 8119 (2), 8922 (2),<br>8970 (2), 8964 (2),<br>8608, 8926, 8972,<br>8973, 8785, 8859,<br>8703 | 4552, 4603, 4800,<br>4835, 4836, 4845,<br>4850 |
| 6893                                | $2^5 : 2$                   | 64    | 935550 | 8881 (2), 8913 (2),<br>8975 (2), 8954 (2),<br>8803, 8858, 8862,<br>8967, 8777, 8927,<br>8779 | 4553, 4604, 4801,<br>4838, 4839, 4853,<br>4855 |
| 6894                                | $D_8 \times 2 : 2 \times 2$ | 64    | 935550 | 8661 (2), 8974 (2),<br>8961 (2), 8913 (2),<br>8794, 8861, 8697,<br>8710, 8781, 8976,<br>8858 | 4553, 4605, 4776,<br>4778, 4780, 4840,<br>4854 |

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|-------------------------------------|-----------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                         | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 6895                                | $2^5 : 2$                         | 64    | 935550  | 8880 (2), 8974 (2),<br>8921 (2), 8954 (2),<br>8787, 8861, 8859,<br>8977, 8615, 8978,<br>8779 | 4553, 4602, 4800,<br>4838, 4841, 4852,<br>4856 |
| 6896                                | $D_8 \times 2 : 2 \times 2$       | 64    | 935550  | 8120 (2), 8975 (2),<br>8961 (2), 8921 (2),<br>8609, 8977, 8972,<br>8928, 8697, 8862,<br>8859 | 4553, 4603, 4800,<br>4840, 4842, 4851,<br>4857 |
| 6897                                | $2 \times 4 \cdot 2 : 2 \times 2$ | 64    | 935550  | 8852 (2), 8951 (2),<br>8966 (2), 8917 (2),<br>8787, 8863, 8862,<br>8926, 8746, 8968,<br>8602 | 4554, 4604, 4800,<br>4830, 4831, 4847,<br>4848 |
| 6898                                | $D_8 \times 2 : 2 \times 2$       | 64    | 935550  | 8877 (2), 8965 (2),<br>8923 (2), 8951 (2),<br>8598, 8861, 8389,<br>8976, 8386, 8712,<br>8863 | 4554, 4602, 4775,<br>4778, 4779, 4830,<br>4846 |
| 6899                                | $2 \times 4 : 2 : 2 \times 2$     | 64    | 935550  | 8657 (2), 8965 (2),<br>8960 (2), 8917 (2),<br>8791, 8861, 8703,<br>8928, 8747, 8968,<br>8602 | 4554, 4605, 4800,<br>4828, 4829, 4844,<br>4845 |
| 6900                                | $2^3 \cdot 2 : 2 \times 2$        | 64    | 935550  | 8118 (2), 8966 (2),<br>8923 (2), 8960 (2),<br>8380, 8967, 8716,<br>8971, 8389, 8862,<br>8703 | 4554, 4603, 4801,<br>4828, 4832, 4849,<br>4850 |
| 6901                                | $2^{1+4} : 2$                     | 64    | 1871100 | 8618, 8430, 8429,<br>9036, 8096, 9029,<br>8883   | 4555, 4861, 4862                               |
| 6902                                | $Q_8 : (2 \times 4)$              | 64    | 935550  | 8611, 8096 (2), 8705,<br>8684, 8429 (2)  | 4555, 4609, 4804,<br>4858, 4860, 4863,<br>4865 |
| 6903                                | $2^{1+4} : 2$                     | 64    | 1871100 | 8832, 8430, 8871,<br>9030, 9037, 9035,<br>8439   | 4557, 4783, 4861                               |
| 6904                                | $2^{1+4} : 2$                     | 64    | 1871100 | 8649, 8870, 8429,<br>9030, 8101, 9038,<br>8439   | 4557, 4858, 4862                               |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 6905                                | $D_8 : 2^3$          | 64    | 1871100 | 8430, 8091 (2), 8870, 8104 (2), 9035, 9038, 8662, 8565 (2), 8440, 9066 (2), 8098   | 4557, 4859, 4862                         |
| 6906                                | $D_8 : (2 \times 4)$ | 64    | 1871100 | 8429, 9037, 8101, 8871, 8644, 8098, 8440   | 4557, 4860, 4861                         |
| 6907                                | $Q_8 : 2^3$          | 64    | 935550  | 8432, 8560 (2), 8684, 8105 (2), 9033, 9067 (2), 8717, 8379 (2), 8803, 8870, 9040   | 4559, 4612, 4805, 4858, 4859, 4866, 4868 |
| 6908                                | $2^{1+4} : 2$        | 64    | 935550  | 8853, 9033, 8871, 8883, 9039, 8432, 9041   | 4559, 4805 (2), 4861 (2)                 |
| 6909                                | $2^{1+4} : 2$        | 64    | 935550  | 8667, 9040, 8099, 9041, 8431, 8870, 8883   | 4559, 4787 (2), 4862 (2)                 |
| 6910                                | $D_8 : (2 \times 4)$ | 64    | 935550  | 8906, 8106 (2), 8685, 8684, 8384 (2)   | 4563, 4610, 4804, 4866, 4867, 4869, 4870 |
| 6911                                | $2^{1+4} : 2$        | 64    | 1871100 | 8916, 8871, 8586, 8870, 8883, 9042, 9032   | 4564, 4787, 4805                         |
| 6912                                | $D_8 : (2 \times 4)$ | 64    | 935550  | 8684, 8807, 8871 (2), 9042 (2), 8925   | 4564, 4611, 4805, 4864, 4865, 4870, 4871 |
| 6913                                | $2^{1+4} \times 2$   | 64    | 1871100 | 8439, 9059 (2), 9061, 9054 (2), 8668, 8350 (2), 9058 (2), 9051 (2), 9047 (2), 8890 (2), 8289 (2), 8561 (2), 9050 (2), 8440, 8887 (2), 8100, 8695 (2), 9053, 8883 | 4575, 4861, 4862                         |
| 6914                                | $D_8 : 2^3$          | 64    | 935550  | 8440 (2), 9059 (4), 8994 (2), 8351 (2), 9060 (2), 8806, 8792, 8700 (2), 9056 (4), 8988 (2), 8394, 9012, 8100 (2), 8287, 9000, 8684, 8561 (2)                     | 4575, 4632, 4843, 4859, 4860, 4869, 4871 |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 6915                                | $D_8 : (2 \times 4)$          | 64    | 935550  | 8684, 8701 (2), 8346 (2), 9017 (2), 8718, 8993 (2), 8356 (2), 8911, 8986 (2)             | 4578, 4631, 4843, 4863, 4864, 4867, 4868                 |
| 6916                                | $2 \times 4 \cdot 2 : 2 : 2$  | 64    | 1871100 | 8354, 8727, 8689, 9002, 8686, 8990, 8991, 8357, 8987, 8995, 8985, 8996, 8896, 8752, 8347 | 4584, 4816, 4820   |
| 6917                                | $D_8 : D_8$                   | 64    | 1871100 | 8994, 9002, 8251, 8728, 8331, 8989, 8997, 8363, 8983, 8726, 8986, 8992, 8897, 9001, 8727 | 4584, 4811, 4843   |
| 6918                                | $2^3 \cdot 2 : 2 : 2$         | 64    | 1871100 | 8988, 9001, 8687, 8728, 8692, 8363, 8365, 8993, 8984, 8998, 8982, 8999, 8896, 8752, 8693 | 4584, 4790, 4843   |
| 6919                                | $D_8 \times D_8$              | 64    | 1871100 | 8353, 8992, 8691, 8364, 8689, 8363, 8690, 9003, 8896, 8999, 8982, 8754, 8987, 8995, 8348 | 4584, 4790, 4816   |
| 6920                                | $D_8 : D_8$                   | 64    | 1871100 | 9000, 8989, 8688, 9002, 8366, 8726, 8365, 8356, 8896, 8998, 8984, 8721, 8985, 8996, 8348 | 4584, 4820, 4843   |
| 6921                                | $2 \times 4 : 2 \times 2 : 2$ | 64    | 467775  | 8742 (2), 8906, 8679, 8675 (2), 8611   | 4585 (2), 4587, 4804 (2), 4873 (2), 4878, 4883 (2), 4885 |
| 6922                                | $2^4 \cdot 2 : 2$             | 64    | 935550  | 8376, 8675, 8676, 8934, 8383, 8907, 8679   | 4585, 4586, 4587, 4881, 4882, 4887, 4888                 |
| 6923                                | $2^4 \cdot 2 : 2$             | 64    | 467775  | 8382, 8675 (2), 8676, 8908 (2), 8594   | 4585 (2), 4586, 4723 (2), 4872 (2), 4879 (2), 4884, 4886 |
| 6924                                | $2 \times 4 : 2 \times 2 : 2$ | 64    | 1871100 | 9004, 9005, 8690, 8726, 8902, 8693, 8720   | 4588, 4791, 4794   |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6925                                | $D_8 \times 2^2 : 2$          | 64    | 1871100 | 8354, 8357, 9006,<br>9007, 8902, 8347,<br>8720   | 4588, 4792, 4793   |
| 6926                                | $D_8 \times 2^2 \cdot 2$      | 64    | 1871100 | 9004, 8704, 9006,<br>8757, 8756, 8680,<br>8720   | 4589, 4791, 4792   |
| 6927                                | $2^2 \times 4 \cdot 2 : 2$    | 64    | 1871100 | 8700, 9005, 8753,<br>9007, 8751, 8680,<br>8720   | 4589, 4793, 4794   |
| 6928                                | $2^4 \cdot 2 : 2$             | 64    | 1871100 | 8698, 9005, 9006,<br>8755, 8902, 8680,<br>8754   | 4590, 4791, 4793   |
| 6929                                | $2^2 \times 4 \cdot 2 : 2$    | 64    | 1871100 | 9004, 8701, 8758,<br>9007, 8902, 8680,<br>8721   | 4590, 4792, 4794   |
| 6930                                | $2 \times 4 : 2 \times 2 : 2$ | 64    | 935550  | 8790, 8942, 8675,<br>8897, 8612, 8749,<br>8797   | 4591, 4597, 4598,<br>4879, 4880, 4885,<br>4887                 |
| 6931                                | $D_8 \times 2^2 \cdot 2$      | 64    | 935550  | 8604, 8897, 8912,<br>8738, 8675, 8936,<br>8793   | 4591, 4595, 4596,<br>4880, 4883, 4886,<br>4888                 |
| 6932                                | $D_8 \times D_8$              | 64    | 1871100 | 8320, 8756, 8730,<br>8896, 8334, 8947,<br>8355, 8949, 8766,<br>8987, 8950, 8371,<br>8901, 8984, 8729 | 4592, 4790, 4820   |
| 6933                                | $D_8 \times 2^2 : 2$          | 64    | 467775  | 8599, 8983 (4), 8897,<br>8676, 8945, 8398,<br>8730 (4), 8939, 8749                                   | 4592, 4598 (2), 4811<br>(2), 4875 (2), 4886,<br>4887 (2), 4890 |
| 6934                                | $D_8 \times D_8$              | 64    | 1871100 | 8351, 8896, 8983,<br>8751, 8732, 8949,<br>8986, 8948, 8767,<br>8985, 8950, 8372,<br>8901, 8982, 8731 | 4592, 4816, 4843   |
| 6935                                | $D_8 \times 2^2 : 2$          | 64    | 467775  | 8792, 8984 (4), 8897,<br>8731 (4), 8738, 8911,<br>8767, 8937, 8679                                   | 4592, 4595 (2), 4843<br>(2), 4874 (2), 4885,<br>4888 (2), 4889 |
| 6936                                | $2^2 \times 4 : 2 : 2$        | 64    | 935550  | 8786, 8935, 8675,<br>8905, 8613, 8897,<br>8802   | 4593, 4595, 4598,<br>4879, 4880, 4882,<br>4883                 |
| 6937                                | $2 \times 4 : 2 \times 2 : 2$ | 64    | 935550  | 8799, 8905, 8897,<br>8910, 8764, 8765,<br>8679   | 4594, 4595, 4597,<br>4882, 4883, 4887,<br>4889                 |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 6938                                | $2^4 \cdot 2 : 2$             | 64    | 935550  | 8396, 8897, 8676,<br>8944, 8397, 8938,<br>8905   | 4594, 4596, 4598,<br>4879, 4882, 4888,<br>4890 |
| 6939                                | $D_8 \times D_8$              | 64    | 1871100 | 8352, 8752, 8736,<br>8754, 8336, 9008,<br>8322, 9011, 8950,<br>8995, 8943, 8373,<br>8901, 8999, 8735 | 4601, 4790, 4816                               |
| 6940                                | $D_8 : D_8$                   | 64    | 1871100 | 8994, 8733, 8734,<br>8998, 8997, 8996,<br>8346, 8374, 8937,<br>9008, 8950, 9010,<br>8901, 8721, 8752 | 4601, 4820, 4843                               |
| 6941                                | $D_8 \times D_8$              | 64    | 1871100 | 8657, 8974, 8914,<br>8894, 8879, 8951,<br>8898, 8958, 8672,<br>8903, 8921, 8964,<br>8614, 8957, 8778 | 4602, 4605, 4800                               |
| 6942                                | $D_8 \times D_8$              | 64    | 935550  | 8877 (2), 8953 (2),<br>8924, 8955 (2), 8903<br>(2), 8899, 8974 (2),<br>8600, 8387 (2)                | 4602 (2), 4778, 4910<br>(2)                    |
| 6943                                | $D_8 \times D_8$              | 64    | 1871100 | 8852, 8903, 8922,<br>8975, 8882, 8965,<br>8898, 8952, 8880,<br>8955, 8918, 8904,<br>8614, 8957, 8775 | 4602, 4604, 4800                               |
| 6944                                | $D_8 \times D_8$              | 64    | 1871100 | 8118, 8969, 8923,<br>8956, 8125, 8894,<br>8899, 8975, 8381,<br>8962, 8920, 8954,<br>8387, 8964, 8904 | 4602, 4603, 4801                               |
| 6945                                | $D_8 \times 2 : 2 \times 2$   | 64    | 935550  | 8125 (2), 8958 (2),<br>8924 (2), 8952 (2),<br>8380, 8749, 8676,<br>8977, 8386, 8973,<br>8905         | 4602, 4603, 4606,<br>4879, 4881, 4887,<br>4890 |
| 6946                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550  | 8672 (2), 8953 (2),<br>8918 (2), 8962 (2),<br>8791, 8976, 8675,<br>8749, 8615, 8905,<br>8776         | 4602, 4605, 4608,<br>4878, 4879, 4880,<br>4887 |

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|-------------------------------------|-----------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                         | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 6947                                | $D_8 \times 2 : 2 \times 2$       | 64    | 467775  | 8600 (2), 8957 (4), 8920 (2), 8598, 8905 (2), 8676, 8978 (2), 8388                       | 4602 (2), 4607, 4731 (2), 4876 (2), 4882 (2), 4884, 4890 |
| 6948                                | $D_8 \times D_8$                  | 64    | 1871100 | 8606, 8917, 8961, 8958, 8124, 8918, 8963, 8969, 8119, 8898, 8895, 8960, 8783, 8921, 8894 | 4603, 4605, 4800   |
| 6949                                | $D_8 \times D_8$                  | 64    | 1871100 | 8607, 8954, 8970, 8914, 8126, 8952, 8963, 8917, 8120, 8904, 8895, 8922, 8784, 8966, 8898 | 4603, 4604, 4800   |
| 6950                                | $D_8 \times D_8$                  | 64    | 935550  | 8115 (2), 8959 (2), 8924, 8112, 8961 (2), 8970 (2), 8923 (2), 8895 (2), 8899             | 4603 (2), 4778, 4911 (2)                                 |
| 6951                                | $D_8 \times 2 : 2 \times 2$       | 64    | 935550  | 8124 (2), 8914 (2), 8959 (2), 8962 (2), 8608, 8675, 8738, 8971, 8781, 8928, 8749         | 4603, 4605, 4608, 4880, 4881, 4885, 4886                 |
| 6952                                | $2 \times 4 \cdot 2 : 2 \times 2$ | 64    | 935550  | 8126 (2), 8956 (2), 8959 (2), 8918 (2), 8609, 8905, 8738, 8926, 8782, 8967, 8675         | 4603, 4604, 4608, 4880, 4883, 4884, 4888                 |
| 6953                                | $D_8 \times D_8$                  | 64    | 1871100 | 8661, 8916, 8959, 8951, 8878, 8900, 8895, 8965, 8669, 8913, 8783, 8953, 8784, 8919, 8903 | 4604, 4605, 4778   |
| 6954                                | $D_8 \times D_8$                  | 64    | 935550  | 8881 (2), 8900, 8966 (2), 8853, 8919 (2), 8904 (2), 8956 (2), 8775 (2), 8915             | 4604 (2), 4801, 4909 (2)                                 |
| 6955                                | $D_8 \times 2^2 : 2$              | 64    | 467775  | 8853 (2), 8916 (2), 8952 (4), 8803, 8925, 8905 (2), 8746 (2), 8679                       | 4604 (2), 4606, 4805 (2), 4877 (2), 4878, 4882 (2), 4889 |

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|-------------------------------------|-----------------------------|-------|---------|--|--|
| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 6956                                | $D_8 \times 2 : 2 \times 2$ | 64    | 935550  | 8669 (2), 8915 (2),<br>8963 (2), 8957 (2),<br>8794, 8679, 8738,<br>8968, 8743, 8927,<br>8905 | 4604, 4605, 4607,<br>4881, 4883, 4888,<br>4889                 |
| 6957                                | $D_8 \times D_8$            | 64    | 935550  | 8659 (2), 8913 (2),<br>8962 (2), 8894 (2),<br>8667, 8900, 8960 (2),<br>8778 (2), 8915        | 4605 (2), 4801, 4908<br>(2)                                    |
| 6958                                | $Q_8 : (2 \times 4)$        | 64    | 935550  | 8611, 8082 (4), 8685,<br>8706  | 4609, 4653, 4804,<br>4898, 4900, 4902,<br>4903                 |
| 6959                                | $Q_8 : D_8$                 | 64    | 1871100 | 8933, 8740, 8741,<br>8980, 8102, 8106,<br>8932   | 4610, 4892, 4895   |
| 6960                                | $D_8 : (2 \times 4)$        | 64    | 935550  | 8906, 8740 (2), 8706,<br>8570 (2), 8705  | 4610, 4724, 4804,<br>4893, 4897, 4905,<br>4906                 |
| 6961                                | $D_8 : D_8$                 | 64    | 1871100 | 8933, 8570, 8571,<br>8980, 8375, 8384,<br>8931   | 4610, 4891, 4894   |
| 6962                                | $Q_8 : (2 \times 4)$        | 64    | 935550  | 9039 (2), 9042 (2),<br>8717, 8706, 8925  | 4611, 4726, 4805,<br>4898, 4899, 4904,<br>4906                 |
| 6963                                | $Q_8 : 2^3$                 | 64    | 1871100 | 9067 (2), 9055 (2),<br>9068 (2), 8893 (2),<br>8105, 8744, 8745,<br>8107, 8979, 8981,<br>8932 | 4612, 4892, 4895   |
| 6964                                | $D_8 : 2^3$                 | 64    | 935550  | 9033 (2), 9068 (4),<br>9032 (2), 8803, 8572<br>(2), 8807, 8706, 8745<br>(2)                  | 4612, 4692, 4805,<br>4893, 4896, 4901,<br>4903                 |
| 6965                                | $D_8 : 2^3$                 | 64    | 1871100 | 8560 (2), 9055 (2),<br>9068 (2), 8891 (2),<br>8379, 8573, 8572,<br>8385, 8979, 8981,<br>8931 | 4612, 4891, 4894   |
| 6966                                | $2^2 \times 4 : 2 : 2$      | 64    | 467775  | 8678, 8764 (2), 8911,<br>8968 (2), 8925  | 4613 (2), 4635, 4829,<br>4848 (2), 4864 (2),<br>4889, 4904 (2) |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups                        |  |  | Minimal Overgroups |
| 6967                                | $2^2 \times 4 : 2 \cdot 2$     | 64    | 935550 | 8742, 8936, 8613, 8968, 8926, 8712, 8764 | 4613, 4619, 4633, 4830, 4845, 4848, 4883                 |  |                    |
| 6968                                | $2 \times 4^2 : 2$             | 64    | 935550 | 8383, 8935, 8910, 8598, 8925, 8712, 8397 | 4613, 4618, 4621, 4775, 4779, 4781, 4882                 |  |                    |
| 6969                                | $2^2 \times 4 : 2 : 2$         | 64    | 935550 | 8376, 8937, 8912, 8716, 8926, 8968, 8397 | 4613, 4614, 4619, 4828, 4831, 4850, 4888                 |  |                    |
| 6970                                | $2^4 \cdot 2 : 2$              | 64    | 935550 | 8678, 8937, 8910, 8968, 8927, 8746, 8765 | 4613, 4617, 4634, 4831, 4844, 4855, 4889                 |  |                    |
| 6971                                | $2^3 \times 4 : 2$             | 64    | 935550 | 8742, 8935, 8912, 8968, 8616, 8967, 8765 | 4613, 4616, 4636, 4828, 4847, 4855, 4883                 |  |                    |
| 6972                                | $2^2 \times 4 \cdot 2 : 2$     | 64    | 935550 | 8383, 8936, 8911, 8716, 8927, 8967, 8396 | 4613, 4615, 4626, 4832, 4839, 4849, 4888                 |  |                    |
| 6973                                | $2^4 \cdot 2 : 2$              | 64    | 935550 | 8376, 8968, 8909, 8715, 8928, 8943, 8386 | 4614, 4616, 4617, 4829, 4830, 4857, 4881                 |  |                    |
| 6974                                | $2^2 \times 4 \cdot 2 : 2$     | 64    | 467775 | 8382, 8912 (2), 8716, 8928 (2), 8599     | 4614, 4615 (2), 4751 (2), 4828 (2), 4842, 4872 (2), 4886 |  |                    |
| 6975                                | $2^2 \times 4 \cdot 2 : 2$     | 64    | 467775 | 8382, 8926 (2), 8909 (2), 8715, 8598     | 4614, 4618 (2), 4740 (2), 4830 (2), 4835, 4872 (2), 4884 |  |                    |
| 6976                                | $2^3 \cdot 2 \times 2 : 2$     | 64    | 467775 | 8611, 8790 (2), 8911, 8928 (2), 8710     | 4615 (2), 4629, 4829, 4840 (2), 4863 (2), 4885, 4902 (2) |  |                    |
| 6977                                | $2^3 \cdot 2 \times 2 \cdot 2$ | 64    | 935550 | 8610, 8936, 8613, 8926, 8928, 8976, 8790 | 4615, 4619, 4627, 4830, 4840, 4845, 4880                 |  |                    |
| 6978                                | $D_8 \times 2^2 : 2$           | 64    | 935550 | 8383, 8942, 8910, 8386, 8710, 8976, 8599 | 4615, 4617, 4630, 4776, 4779, 4780, 4887                 |  |                    |
| 6979                                | $2^2 \times 4 \cdot 2 : 2$     | 64    | 935550 | 8611, 8912, 8910, 8926, 8927, 8787, 8786 | 4615, 4618, 4624, 4831, 4836, 4838, 4883                 |  |                    |
| 6980                                | $2^3 \cdot 2 \times 2 : 2$     | 64    | 935550 | 8610, 8942, 8912, 8928, 8615, 8967, 8786 | 4615, 4616, 4628, 4828, 4838, 4851, 4880                 |  |                    |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups                        |                  | Minimal Overgroups                                       |
| 6981                                | $D_8 \times 2^2 : 2$           | 64    | 935550 | 8742, 8976, 8909, 8943, 8615, 8811, 8746 | 8909, 8811, 8746 | 4616, 4617, 4641, 4830, 4852, 4854, 4878                 |
| 6982                                | $D_8 \times 2^2 \cdot 2$       | 64    | 935550 | 8594, 8712, 8397, 8935, 8386, 8942, 8976 | 8397, 8942, 8976 | 4616, 4619, 4639, 4775, 4776, 4779, 4879                 |
| 6983                                | $2^5 \cdot 2$                  | 64    | 467775 | 8594, 8967 (2), 8715, 8811 (2), 8388     | 8715, 8388       | 4616 (2), 4642, 4735 (2), 4832, 4853 (2), 4876 (2), 4884 |
| 6984                                | $2^4 \cdot 2 : 2$              | 64    | 935550 | 8742, 8971, 8612, 8937, 8928, 8942, 8747 | 8612, 8942, 8747 | 4617, 4619, 4638, 4828, 4844, 4851, 4885                 |
| 6985                                | $2^4 \cdot 2 : 2$              | 64    | 935550 | 8383, 8971, 8808, 8715, 8927, 8811, 8380 | 8808, 8811, 8380 | 4617, 4618, 4620, 4832, 4834, 4853, 4881                 |
| 6986                                | $2 \times 4^2 \cdot 2$         | 64    | 467775 | 8611, 8791 (2), 8808, 8909 (2), 8925     | 8808, 8925       | 4618 (2), 4623, 4829, 4833 (2), 4865 (2), 4878, 4898 (2) |
| 6987                                | $2^2 \times 4 \cdot 2 \cdot 2$ | 64    | 935550 | 8610, 8971, 8612, 8912, 8926, 8935, 8791 | 8612, 8935, 8791 | 4618, 4619, 4625, 4828, 4836, 4847, 4880                 |
| 6988                                | $2^2 \times 4 \cdot 2 : 2$     | 64    | 467775 | 8594, 8971 (2), 8398, 8936 (2), 8716     | 8398, 8716       | 4619 (2), 4637, 4739 (2), 4832, 4849 (2), 4875 (2), 4886 |
| 6989                                | $2^2 \times 4 \cdot 2 : 2$     | 64    | 935550 | 8608, 8909, 8946, 8973, 8794, 8907, 8808 | 8946, 8907, 8808 | 4620, 4622, 4623, 4833, 4835, 4854, 4881                 |
| 6990                                | $2^2 \times 4 : 2 : 2$         | 64    | 935550 | 8609, 8811, 8946, 8908, 8782, 8978, 8909 | 8946, 8978, 8909 | 4620, 4622, 4641, 4833, 4852, 4857, 4884                 |
| 6991                                | $2^4 \cdot 2 \cdot 2$          | 64    | 935550 | 8608, 8908, 8972, 8971, 8793, 8912, 8939 | 8972, 8912, 8939 | 4620, 4625, 4636, 4836, 4850, 4851, 4886                 |
| 6992                                | $2^2 \times 4 : 2 : 2$         | 64    | 935550 | 8609, 8927, 8972, 8907, 8792, 8944, 8912 | 8972, 8944, 8912 | 4620, 4624, 4628, 4836, 4842, 4855, 4888                 |
| 6993                                | $2^4 \cdot 2 : 2$              | 64    | 935550 | 8380, 8978, 8677, 8973, 8397, 8944, 8939 | 8677, 8944, 8939 | 4620, 4621, 4639, 4837, 4850, 4856, 4890                 |
| 6994                                | $2^2 \times 4 \cdot 2 \cdot 2$ | 64    | 935550 | 8791, 8938, 8613, 8973, 8908, 8712, 8797 | 8613, 8712, 8797 | 4621, 4625, 4633, 4833, 4845, 4846, 4879                 |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 6995                                | $2^3 \times 4 \cdot 2$         | 64    | 467775 | 8598, 8938 (2), 8398, 8973 (2), 8677                     | 4621 (2), 4637, 4744 (2), 4835, 4846 (2), 4875 (2), 4890 |
| 6996                                | $2 \times 4^2 : 2$             | 64    | 935550 | 8787, 8973, 8612, 8944, 8908, 8935, 8776                 | 4621, 4622, 4638, 4836, 4847, 4856, 4879                 |
| 6997                                | $2 \times 4^2 \cdot 2$         | 64    | 935550 | 8791, 8973, 8612, 8939, 8907, 8910, 8798                 | 4621, 4623, 4625, 4836, 4837, 4844, 4887                 |
| 6998                                | $2^2 \times 4 \cdot 2 : 2$     | 64    | 935550 | 8787, 8938, 8613, 8978, 8907, 8925, 8799                 | 4621, 4624, 4627, 4833, 4841, 4848, 4882                 |
| 6999                                | $D_8 \times (2 \times 4)$      | 64    | 467775 | 8803, 9022 (4), 8808, 8776 (2), 8580 (4), 8811 (2), 8906 | 4622 (2), 4640, 4834, 4853 (2), 4866 (2), 4878, 4893 (2) |
| 7000                                | $2^4 \cdot 2 \cdot 2$          | 64    | 935550 | 8794, 8906, 8782, 8712, 8793, 8910, 8935                 | 4622, 4625, 4634, 4775, 4776, 4781, 4883                 |
| 7001                                | $2^4 \cdot 2 : 2$              | 64    | 935550 | 8803, 8907, 8616, 8978, 8944, 8910, 8786                 | 4622, 4624, 4630, 4837, 4838, 4855, 4882                 |
| 7002                                | $2^3 \times 4 \cdot 2$         | 64    | 467775 | 8794 (2), 8925, 8329, 8792, 8910 (2)                     | 4623, 4624 (2), 4780, 4781 (2), 4871 (2), 4889, 4899 (2) |
| 7003                                | $2^4 \cdot 2 \cdot 2$          | 64    | 935550 | 8794, 8911, 8604, 8926, 8972, 8907, 8938                 | 4624, 4625, 4626, 4835, 4840, 4848, 4888                 |
| 7004                                | $D_8 \times 2^2 \cdot 2$       | 64    | 467775 | 8803, 8911, 8799 (2), 8927 (2), 8329                     | 4624 (2), 4629, 4834, 4839 (2), 4868 (2), 4889, 4901 (2) |
| 7005                                | $2^2 \times 4 \cdot 2 \cdot 2$ | 64    | 467775 | 8798, 8911, 8797 (2), 8971 (2), 8906                     | 4625 (2), 4635, 4834, 4849 (2), 4867 (2), 4885, 4905 (2) |
| 7006                                | $2^2 \times 4 : 2 : 2$         | 64    | 935550 | 8605, 8978, 8926, 8940, 8908, 8967, 8711                 | 4626, 4627, 4633, 4838, 4847, 4850, 4884                 |
| 7007                                | $2^4 \cdot 2 : 2$              | 64    | 935550 | 8396, 8938, 8386, 8977, 8677, 8945, 8978                 | 4626, 4630, 4639, 4841, 4846, 4857, 4890                 |
| 7008                                | $2^4 \cdot 2 : 2$              | 64    | 935550 | 8604, 8945, 8928, 8972, 8908, 8936, 8781                 | 4626, 4628, 4638, 4840, 4845, 4857, 4886                 |

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|-------------------------------------|-------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7009                                | $2^4 \cdot 2 : 2$             | 64    | 935550  | 8605, 8977, 8928,<br>8940, 8907, 8927,<br>8709   | 4626, 4627, 4629,<br>4838, 4842, 4844,<br>4881                 |
| 7010                                | $D_8 \times 2^2 \cdot 2$      | 64    | 935550  | 8799, 8777, 8927,<br>8936, 8906, 8967,<br>8802   | 4627, 4628, 4634,<br>4839, 4849, 4853,<br>4883                 |
| 7011                                | $2^4 \cdot 2 : 2$             | 64    | 935550  | 8790, 8977, 8616,<br>8938, 8908, 8976,<br>8802   | 4627, 4630, 4636,<br>4840, 4846, 4852,<br>4879                 |
| 7012                                | $2^2 \times 4 \cdot 2 : 2$    | 64    | 467775  | 8709, 8976 (2), 8925,<br>8711 (2), 8906  | 4627 (2), 4635, 4775<br>(2), 4780, 4870 (2),<br>4878, 4906 (2) |
| 7013                                | $D_8 \times 2^2 : 2$          | 64    | 935550  | 8786, 8944, 8615,<br>8977, 8908, 8942,<br>8777   | 4628, 4630, 4641,<br>4838, 4851, 4856,<br>4879                 |
| 7014                                | $D_8 \times 2^2 : 2$          | 64    | 467775  | 8792, 9020 (4), 8942<br>(2), 8710, 8585 (4),<br>8781 (2), 8906                                       | 4628 (2), 4640, 4776<br>(2), 4780, 4869 (2),<br>4885, 4897 (2) |
| 7015                                | $D_8 \times 2^2 : 2$          | 64    | 935550  | 8799, 8945, 8710,<br>8977, 8907, 8790,<br>8615   | 4628, 4629, 4630,<br>4840, 4841, 4854,<br>4887                 |
| 7016                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 467775  | 8599, 9045 (8), 8944<br>(2), 8388, 8977 (2),<br>8677   | 4630 (2), 4642, 4756<br>(2), 4842, 4856 (2),<br>4876 (2), 4890 |
| 7017                                | $2 \times 4 \cdot 2 : 2 : 2$  | 64    | 1871100 | 8988, 8727, 8366,<br>8989, 8739, 9013,<br>9016, 8701, 8949,<br>8374, 8985, 9010,<br>8984, 8733, 8929 | 4631, 4820, 4843   |
| 7018                                | $D_8 : D_8$                   | 64    | 1871100 | 8352, 8364, 8930,<br>8748, 8736, 9013,<br>9009, 8990, 8945,<br>8755, 8986, 9015,<br>8983, 8992, 8727 | 4631, 4811, 4816   |
| 7019                                | $2 \times 4 \cdot 2 : 2 : 2$  | 64    | 1871100 | 8698, 8364, 8686,<br>8748, 8691, 9015,<br>9014, 8993, 8949,<br>8373, 8987, 9011,<br>8982, 8735, 8929 | 4631, 4790, 4816   |
| 7020                                | $D_8 : D_8$                   | 64    | 1871100 | 8320, 8739, 8734,<br>8688, 8334, 8991,<br>8346, 8758, 8940,<br>9014, 9009, 9016,<br>8930, 8366, 8686 | 4631, 4761, 4820   |

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|-------------------------------------|----------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 7021                                | $Q_8 : D_8$                      | 64    | 1871100 | 9012, 8992, 8739, 8728, 8687, 8748, 8688, 9017, 8949, 8733, 8982, 9008, 8984, 8735, 8931 | 4631, 4790, 4843                         |
| 7022                                | $D_8 \times 2 : 2 : 2$           | 64    | 935550  | 8806, 8748 (2), 8734 (2), 8728 (2), 8706, 8989 (2), 9013 (2), 8911, 8983 (2)             | 4631, 4811, 4843, 4901, 4902, 4904, 4905 |
| 7023                                | $D_8 : D_8$                      | 64    | 1871100 | 8353, 8755, 8991, 9013, 9014, 8990, 8758, 8356, 8949, 8373, 8985, 9008, 8987, 8374, 8932 | 4631, 4816, 4820                         |
| 7024                                | $Q_8 : D_8$                      | 64    | 935550  | 9012, 8652, 8692, 8750 (2), 8691 (2), 8399, 8729 (2), 9011, 8947, 8999 (2), 8931         | 4632, 4790 (2), 4891 (2)                 |
| 7025                                | $Q_8 : D_8$                      | 64    | 935550  | 8394, 9001, 8653, 8989 (2), 8737 (2), 9017, 8731 (2), 9010, 8948, 8998 (2), 8931         | 4632, 4843 (2), 4894 (2)                 |
| 7026                                | $D_8 \times 4 : 2$               | 64    | 935550  | 8792, 8688 (2), 8997 (2), 8737 (2), 8732 (2), 9016, 8718, 8769, 8706, 8692, 8653         | 4632, 4761, 4843, 4896, 4897, 4899, 4900 |
| 7027                                | $2 \times 4 \cdot 2 \cdot 2 : 2$ | 64    | 1871100 | 8988, 8750, 8688, 8369, 8689, 8768, 9014, 8704, 8371, 9008, 8947, 8995, 8729, 8998, 8929 | 4632, 4790, 4820                         |
| 7028                                | $D_8 : D_8$                      | 64    | 1871100 | 8994, 8989, 8997, 9002, 8930, 9013, 9009, 8990, 8355, 8768, 8939, 8757, 8730, 8750, 8369 | 4632, 4811, 4820                         |
| 7029                                | $2 \times 4 \cdot 2 : 2 : 2$     | 64    | 1871100 | 8700, 8992, 8737, 9002, 8367, 9013, 8769, 8993, 8372, 9008, 8948, 8996, 8731, 8999, 8929 | 4632, 4816, 4843                         |

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|-------------------------------------|-----------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                         | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 7030                                | $D_8 : D_8$                       | 64    | 1871100 | 8351, 9014, 9009, 8769, 8946, 8991, 8322, 8753, 8732, 8691, 8336, 8737, 8930, 8689, 8367 | 4632, 4761, 4816                         |
| 7031                                | $D_8 : D_8$                       | 64    | 935550  | 9000, 8768, 9016, 8757 (2), 8991 (2), 8288, 8371 (2), 9010, 8947, 8996 (2), 8932         | 4632, 4820 (2), 4892 (2)                 |
| 7032                                | $D_8 : D_8$                       | 64    | 935550  | 8287, 9015, 8769, 8990 (2), 8753 (2), 9003, 8372 (2), 9011, 8948, 8995 (2), 8932         | 4632, 4816 (2), 4895 (2)                 |
| 7033                                | $2^2 \times 4 : 2 : 2$            | 64    | 935550  | 8766, 8934, 8940, 8971, 8711, 8968, 8973   | 4633, 4635, 4637, 4844, 4847, 4850, 4881 |
| 7034                                | $2^2 \times 4 : 2 : 2$            | 64    | 935550  | 8764, 8934, 8938, 8712, 8802, 8746, 8978   | 4633, 4634, 4639, 4846, 4848, 4852, 4882 |
| 7035                                | $2 \times 4 : 2 \times 2 \cdot 2$ | 64    | 935550  | 8797, 8328, 8936, 8971, 8802, 8967, 8776   | 4633, 4636, 4638, 4849 (2), 4853, 4880   |
| 7036                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 935550  | 8767, 8936, 8972, 8934, 8782, 8938, 8968   | 4634, 4636, 4637, 4845, 4848, 4857, 4888 |
| 7037                                | $2^5 \cdot 2$                     | 64    | 935550  | 8793, 8937, 8972, 8934, 8743, 8944, 8967   | 4634, 4638, 4642, 4850, 4851, 4855, 4888 |
| 7038                                | $2^4 \cdot 2 : 2$                 | 64    | 935550  | 8765, 8935, 8978, 8934, 8777, 8944, 8746   | 4634, 4639, 4641, 4847, 4855, 4856, 4882 |
| 7039                                | $2^4 \cdot 2 : 2$                 | 64    | 935550  | 8764, 8747, 8945, 8973, 8797, 8934, 8976   | 4635, 4638, 4639, 4845, 4846, 4854, 4887 |
| 7040                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 935550  | 8793, 8942, 8781, 8328, 8782, 8935, 8976   | 4636, 4638, 4641, 4775, 4776 (2), 4880   |
| 7041                                | $D_8 \times 2^2 : 2$              | 64    | 935550  | 8765, 9018 (4), 8942, 8977, 8934, 8776, 8872 (4), 8939, 8747                             | 4636, 4639, 4640, 4844, 4851, 4856, 4887 |
| 7042                                | $D_8 \times D_8$                  | 64    | 1871100 | 8875 (2), 8933, 8577, 8941 (2), 8872 (2), 9020, 8947, 9021 (2), 8580, 8979, 9023         | 4640, 4891, 4892                         |

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| Nr.                                 | Structure                              | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 7043                                | $D_8 \times D_8$                       | 64    | 1871100 | 8876 (2), 9019, 8566, 9018 (2), 8873 (2), 8979, 8948, 8941 (2), 8585, 9022, 8933 | 4640, 4894, 4895                         |
| 7044                                | $2^4 \cdot 2 : 2$                      | 64    | 935550  | 8743, 9021 (4), 8873 (4), 8977, 8946, 8943, 8781, 8811, 8934                     | 4640, 4641, 4642, 4852, 4854, 4857, 4881 |
| 7045                                | $2 \times 4 : 2 : 2 \times 2$          | 64    | 935550  | 8447 (2), 9031 (2), 8594, 8599, 8598   | 4643, 4702, 4711, 4719, 4872, 4875, 4876 |
| 7046                                | $D_8 : (2 \times 4)$                   | 64    | 935550  | 8448 (2), 8101 (2), 8611, 8806, 8717   | 4644, 4700, 4858, 4860, 4873, 4898, 4902 |
| 7047                                | $2 \times 4^2 \cdot 2$                 | 64    | 935550  | 8611, 8718, 8807   | 4644, 4654, 4863, 4865, 4873, 4900, 4903 |
| 7048                                | $2 \times 4 \cdot 2 \cdot 2 : 2$       | 64    | 1871100 | 8772, 8801, 8575, 8581, 8933, 9010, 8981   | 4645, 4892, 4894                         |
| 7049                                | $D_8 : (2 \times 4)$                   | 64    | 935550  | 8806, 8582 (2), 8807, 8801 (2), 8906   | 4645, 4749, 4869, 4870, 4873, 4893, 4905 |
| 7050                                | $2 \times 4 \cdot 2 \cdot 2 : 2$       | 64    | 1871100 | 8568, 8582, 8788, 8796, 8933, 9011, 8981   | 4645, 4891, 4895                         |
| 7051                                | $2^2 \times 4 \cdot 2 \cdot 2$         | 64    | 935550  | 8717, 8796 (2), 8718, 8581 (2), 8906   | 4645, 4741, 4866, 4867, 4873, 4897, 4906 |
| 7052                                | $2 \times 4 \cdot 2 \times 2 \times 2$ | 64    | 935550  | 8450 (2), 8559 (4), 8098 (2), 8792, 9024 (2), 8705, 8567 (2), 8717               | 4646, 4717, 4859, 4860, 4874, 4897, 4899 |
| 7053                                | $D_8 \times 4 \cdot 2$                 | 64    | 1871100 | 9024, 8576, 9026, 8578, 8947, 8980, 8981   | 4646, 4891, 4892                         |
| 7054                                | $4^2 \cdot 2 : 2$                      | 64    | 1871100 | 8567, 9025, 8583, 9027, 8948, 8980, 8981   | 4646, 4894, 4895                         |
| 7055                                | $8 : 2 \times 2 : 2$                   | 64    | 935550  | 8792, 9026 (2), 8685, 8583 (2), 8807   | 4646, 4677, 4869, 4871, 4874, 4896, 4900 |

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|-------------------------------------|--------------------------|-------|---------|--|--|
| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups                             |
| 7056                                | $8 : 2 \times 2 \cdot 2$ | 64    | 935550  | 8705, 8807, 8911   | 4647, 4736, 4863,<br>4864, 4874, 4901,<br>4905 |
| 7057                                | $8 : 2 \times 2 \cdot 2$ | 64    | 935550  | 8717, 8685, 8911   | 4647, 4747, 4867,<br>4868, 4874, 4902,<br>4904 |
| 7058                                | $D_8 : 2^3$              | 64    | 935550  | 8452 (2), 8562 (4),<br>9038 (2), 8803, 8569<br>(2), 8705, 8773 (2),<br>8806                  | 4648, 4715, 4858,<br>4859, 4877, 4893,<br>4901 |
| 7059                                | $D_8 : D_8$              | 64    | 1871100 | 8569, 9011, 8795,<br>8980, 8979, 8584,<br>8789   | 4648, 4891, 4895                               |
| 7060                                | $D_8 \cdot (2 \times 4)$ | 64    | 935550  | 8803, 8579 (2), 8685,<br>8795 (2), 8718  | 4648, 4683, 4866,<br>4868, 4877, 4896,<br>4903 |
| 7061                                | $D_8 \cdot D_8$          | 64    | 1871100 | 8773, 8980, 8579,<br>9010, 8979, 8574,<br>8800   | 4648, 4892, 4894                               |
| 7062                                | $8 : 2 \times 2 \cdot 2$ | 64    | 935550  | 8705, 8718, 8925   | 4649, 4732, 4864,<br>4865, 4877, 4899,<br>4906 |
| 7063                                | $Q_8 : (2 \times 4)$     | 64    | 935550  | 8806, 9043 (4), 8685,<br>8925  | 4649, 4754, 4870,<br>4871, 4877, 4898,<br>4904 |
| 7064                                | $D_8 : 2^3$              | 64    | 1871100 | 8453 (2), 9066 (2),<br>8095 (2), 8563 (2),<br>9023, 8102, 8773,<br>9000, 8105, 8772,<br>9024 | 4650, 4859, 4892                               |
| 7065                                | $D_8 : D_8$              | 64    | 1871100 | 8102, 9025, 8788,<br>9003, 9019, 8789,<br>8107   | 4650, 4786, 4895                               |
| 7066                                | $D_8 \cdot D_8$          | 64    | 1871100 | 8773, 8801, 8572,<br>8570, 9022, 9001,<br>9025   | 4650, 4893, 4894                               |
| 7067                                | $Q_8 : D_8$              | 64    | 1871100 | 9000, 8801, 9026,<br>8106, 9020, 8800,<br>8107   | 4650, 4869, 4892                               |
| 7068                                | $D_8 : D_8$              | 64    | 1871100 | 9023, 8571, 8795,<br>8692, 8572, 8788,<br>9026   | 4650, 4891, 4896                               |

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|-------------------------------------|------------------------------|-------|---------|--|--------------------|
| Nr.                                 | Structure                    | Order | Length  | Maximal Subgroups  | Minimal Overgroups |
| 7069                                | $D_8 : 2^2 : 2$              | 64    | 1871100 | 8772, 9001, 8571,<br>9027, 9019, 8800,<br>8573   | 4650, 4784, 4894   |
| 7070                                | $D_8 : (2 \times 4)$         | 64    | 1871100 | 8105, 8106, 8795,<br>8796, 9022, 9003,<br>9027   | 4650, 4866, 4895   |
| 7071                                | $D_8 \times 2 : 2 : 2$       | 64    | 1871100 | 9024, 8570, 8692,<br>8796, 9020, 8789,<br>8573   | 4650, 4891, 4897   |
| 7072                                | $Q_8 : 2^3$                  | 64    | 1871100 | 8090 (2), 8565 (2),<br>9069 (2), 9070 (2),<br>9023, 8375, 8569,<br>9012, 8379, 8568,<br>9024 | 4651, 4859, 4891   |
| 7073                                | $Q_8 : D_8$                  | 64    | 1871100 | 8375, 9025, 8575,<br>9017, 9019, 8574,<br>8385   | 4651, 4786, 4894   |
| 7074                                | $D_8 \cdot D_8$              | 64    | 1871100 | 8569, 8582, 8745,<br>8740, 9022, 9015,<br>9025   | 4651, 4893, 4895   |
| 7075                                | $D_8 : D_8$                  | 64    | 1871100 | 9012, 8582, 9026,<br>8384, 9020, 8584,<br>8385   | 4651, 4869, 4891   |
| 7076                                | $D_8 \cdot D_8$              | 64    | 1871100 | 9023, 8741, 8579,<br>9016, 8745, 8575,<br>9026   | 4651, 4892, 4896   |
| 7077                                | $D_8 \cdot 2^2 : 2$          | 64    | 1871100 | 8568, 9015, 8741,<br>9027, 9019, 8584,<br>8744   | 4651, 4784, 4895   |
| 7078                                | $Q_8 : (2 \times 4)$         | 64    | 1871100 | 8379, 8384, 8579,<br>8581, 9022, 9017,<br>9027   | 4651, 4866, 4894   |
| 7079                                | $2 \times 4 : 2 \cdot 2 : 2$ | 64    | 1871100 | 9024, 8740, 9016,<br>8581, 9020, 8574,<br>8744   | 4651, 4892, 4897   |
| 7080                                | $2^{1+4} : 2$                | 64    | 1871100 | 8437, 8452, 8101,<br>9030, 8096, 9033,<br>9053   | 4670, 4858, 4861   |
| 7081                                | $2^{1+4} : 2$                | 64    | 1871100 | 8443, 9035, 8097,<br>9030, 8099, 9029,<br>9053   | 4670, 4783, 4862   |
| 7082                                | $Q_8 : 2^3$                  | 64    | 1871100 | 8452, 8564 (2), 9029,<br>9033, 8771 (2), 9035,<br>8446, 9069 (2), 8098,<br>8100, 8095 (2)    | 4670, 4859, 4861   |

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| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups  | Minimal Overgroups       |
| 7083                                | $D_8 \times 2 \cdot 2 \times 2$ | 64    | 1871100 | 8447, 9028, 9031, 9034, 8113, 8110, 8444   | 4675, 4705, 4719         |
| 7084                                | $2^{1+4} : 2$                   | 64    | 935550  | 8112, 9031 (2), 8109 (2), 9057, 9028   | 4675 (2), 4711, 4911 (2) |
| 7085                                | $2^{1+4} : 2$                   | 64    | 1871100 | 8248, 9057, 8114, 9034, 8108, 9031, 8447   | 4675, 4702, 4705         |
| 7086                                | $2 \times 4 : 2 : 2 : 2$        | 64    | 935550  | 8600, 8084, 8087   | 4678, 4907 (2), 4910 (2) |
| 7087                                | $8 : 2 : 2 : 2$                 | 64    | 1871100 | 8900, 8816, 9036   | 4685, 4908, 4909         |
| 7088                                | $8 : 2 : 2 : 2$                 | 64    | 1871100 | 8899, 9028, 8084   | 4686, 4910, 4911         |
| 7089                                | $2^{1+4} : 2$                   | 64    | 935550  | 8600, 8083, 8920 (2), 9034 (2), 8086   | 4697, 4731 (2), 4907 (2) |
| 7090                                | $2^{1+4} : 2$                   | 64    | 1871100 | 8618, 8449, 8448, 9061, 8101, 9035, 9041   | 4700, 4861, 4862         |
| 7091                                | $2^{1+4} : 2$                   | 64    | 935550  | 8597 (2), 8447 (2), 8600, 9057, 9028   | 4705 (2), 4711, 4910 (2) |
| 7092                                | $Q_8 : 2^3$                     | 64    | 1871100 | 8450, 9070 (2), 9040, 8770 (2), 8100, 8563 (2), 9038, 8093 (2), 8662, 8449, 9029 | 4707, 4859, 4862         |
| 7093                                | $2^{1+4} : 2$                   | 64    | 1871100 | 8832, 9037, 8451, 8449, 9053, 9039, 9029   | 4707, 4783, 4861         |
| 7094                                | $Q_8 : (2 \times 4)$            | 64    | 1871100 | 8450, 9039, 8100, 9037, 8644, 8448, 8096   | 4707, 4860, 4861         |
| 7095                                | $2^{1+4} : 2$                   | 64    | 1871100 | 8649, 8448, 9053, 9040, 8451, 8096, 9038   | 4707, 4858, 4862         |
| 7096                                | $2^{1+4} : 2$                   | 64    | 935550  | 8853, 9036, 9037 (2), 8452 (2), 9061   | 4715, 4861 (2), 4909 (2) |
| 7097                                | $2^{1+4} : 2$                   | 64    | 935550  | 8667, 9038 (2), 9061, 8097 (2), 9036   | 4715, 4862 (2), 4908 (2) |
| 7098                                | $D_8 \times 2 \cdot 2 \times 2$ | 64    | 1871100 | 8451, 9041, 9030, 9036, 8668, 8450, 8098   | 4717, 4861, 4862         |
| 7099                                | $2^{1+4} : 2$                   | 64    | 1871100 | 8916, 9040, 9039, 8814, 9042, 9032, 9041   | 4726, 4787, 4805         |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7100                                | $2 \times 4 : 2 : 2 : 2$ | 64    | 1871100 | 8924, 9028, 8087   | 4733, 4910, 4911   |
| 7101                                | $2 \times 4 : 2 : 2 : 2$ | 64    | 1871100 | 8915, 9036, 8587   | 4734, 4908, 4909   |
| 7102                                | $2^{1+4} : 2$            | 64    | 1871100 | 8924, 9044 (2), 9057, 9043 (2), 8084   | 4754, 4910, 4911   |
| 7103                                | $2^{1+4} : 2$            | 64    | 1871100 | 9045 (2), 9061, 8915, 9046 (2), 8816   | 4756, 4908, 4909   |
| 7104                                | $2^{1+4} : 2$            | 64    | 1871100 | 8900, 9061, 8804 (2), 9065 (2), 8587   | 4799, 4908, 4909   |
| 7105                                | $2^{1+4} : 2$            | 64    | 1871100 | 8899, 9065 (2), 9057, 8804 (2), 8087   | 4799, 4910, 4911   |
| 7106                                | $2^{1+4} : 2$            | 64    | 3742200 | 8759, 8760, 8762, 8761, 9049, 8886, 9063   | 4814   |
| 7107                                | $Q_8 : 2^3$              | 64    | 3742200 | 8103, 8885, 9069, 9060, 8771, 8094, 8453, 8559, 8265, 9066, 8562, 8104, 9067, 9070, 8770 | 4859   |
| 7108                                | $7 : 3 \times 3$         | 63    | 950400  | 9524 (2), 9522, 9523, 10413 (7)  | 1817 (2), 1818 (4), 1819 (2), 3014 (2), 4912, 4913, 4914, 4915, 4916, 4917, 4918 |
| 7109                                | $A_5$                    | 60    | 997920  | 10310 (5), 10398 (6), 10634 (10)   | 415, 1165, 2365 (2), 4921, 4922, 4925, 4927, 4928, 4929, 4930                    |
| 7110                                | $A_5$                    | 60    | 3991680 | 10311 (5), 10398 (6), 10635 (10)   | 416, 1514 (2), 2366, 4919  |
| 7111                                | $A_5$                    | 60    | 1995840 | 10312 (5), 10398 (6), 10636 (10)   | 417, 2365, 4923, 4924, 4926  |
| 7112                                | $A_5$                    | 60    | 1995840 | 10259 (5), 10399 (6), 10637 (10)   | 1513 (4), 4932   |
| 7113                                | $A_5$                    | 60    | 1995840 | 10311 (5), 10398 (6), 10638 (10)   | 1514 (4), 2411, 4920, 4980, 4981   |
| 7114                                | $10 \times S_3$          | 60    | 498960  | 9072 (2), 9085, 9553 (3), 10267  | 1588 (2), 4935, 4936, 4937, 5004, 5016, 5023, 5025                               |
| 7115                                | $D_{10} \times S_3$      | 60    | 1995840 | 9075, 9071, 9084, 9544 (3), 10263 (5)  | 1589, 2375, 2376, 3030, 3048 (2), 3841, 4939, 4941, 4944                         |

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| Nr.                                 | Structure           | Order | Length  | Maximal Subgroups                        | Minimal Overgroups   |
| 7116                                | $D_{10} \times S_3$ | 60    | 997920  | 9081, 9072, 9076,<br>9544 (3), 10275 (5) | 1590, 2373, 2374 (2),<br>3031 (2), 3841 (2),<br>4935, 4938, 4940,<br>4942, 4943, 4945,<br>4946   |
| 7117                                | $D_{10} \times S_3$ | 60    | 997920  | 9077, 9072, 9082,<br>9554 (3), 10277 (5) | 1591, 3033 (2), 3848<br>(2), 4936, 4942, 4947  |
| 7118                                | $D_{10} \times S_3$ | 60    | 1995840 | 9078, 9071, 9073,<br>9555 (3), 10276 (5) | 1592, 3032, 3853,<br>4941  |
| 7119                                | $10 \times S_3$     | 60    | 1995840 | 9079, 9071, 9074,<br>9556 (3), 10272     | 1593, 3035, 3854,<br>4941  |
| 7120                                | $10 \times S_3$     | 60    | 997920  | 9080, 9083, 9072,<br>9557 (3), 10270     | 1594, 3034 (2), 3849<br>(2), 4937, 4942, 4948  |
| 7121                                | $D_{10} \times S_3$ | 60    | 997920  | 9086, 9072, 9081,<br>9558 (3), 10268 (5) | 1595, 4935, 4947,<br>4948  |
| 7122                                | $D_{10} \times S_3$ | 60    | 997920  | 9082, 9072, 9087,<br>9548 (3), 10269 (5) | 1596, 4936, 4945,<br>4948  |
| 7123                                | $10 \times S_3$     | 60    | 997920  | 9072, 9083, 9088,<br>9549 (3), 10273     | 1597, 4937, 4945,<br>4947  |
| 7124                                | $15 : 2 \cdot 2$    | 60    | 1995840 | 9075, 9539, 10298 (5)                    | 2061 (2), 2377, 2406,<br>3084, 3845, 4939,<br>4949, 4974   |
| 7125                                | $15 : 2 \times 2$   | 60    | 1995840 | 9074, 9075, 9073,<br>9540, 10297 (5)     | 2062 (2), 2378, 2409,<br>3086, 3846, 4941,<br>4949, 4975   |
| 7126                                | $15 : 2 \cdot 2$    | 60    | 665280  | 9075, 9541, 10303 (5)                    | 2063 (6), 2379, 2403,<br>3080 (3), 3102 (2),<br>3844, 4944 (3), 4949<br>(3), 4973  |
| 7127                                | $A_5$               | 60    | 792     | 10305 (5), 10405 (6),<br>10639 (10)      | 2064 (120), 2380<br>(7), 2498 (126),<br>3837 (140), 3840<br>(35), 4931 (21), 4951<br>(105), 4952 (105),<br>4953, 4965 (21),<br>4967 (105), 4970<br>(105) |

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| Nr.                                 | Structure           | Order | Length  | Maximal Subgroups                     | Minimal Overgroups  |
| 7128                                | $D_{10} \cdot S_3$  | 60    | 166320  | 9076, 9542 (3), 10313 (5)             | 2367, 2381 (4), 3050 (4), 3838 (4), 4940 (6), 4954, 4955 (6), 4956 (3), 4957 (3)                              |
| 7129                                | $15 : 2 \cdot 2$    | 60    | 997920  | 9076, 9542, 10284 (5)                 | 2369, 2385 (2), 3064 (2), 3838 (2), 4938, 4940, 4959, 4960, 4961, 4962, 4963                                  |
| 7130                                | $A_5$               | 60    | 5544    | 10314 (5), 10405 (6), 10640 (10)      | 2380, 2497 (36), 3839 (20), 3847 (20), 4958 (15), 4964, 4966 (15), 4968 (45), 4969 (45), 4976 (15), 4977 (15) |
| 7131                                | $D_{10} \times S_3$ | 60    | 166320  | 9076, 9080, 9077, 9543 (3), 10315 (5) | 2386 (4), 2387, 3077 (4), 3843 (4), 4942 (6), 4954, 4960 (6), 4987 (3), 4988 (3)                              |
| 7132                                | $15 : 2 \cdot 2$    | 60    | 166320  | 9076, 9541, 10316 (5)                 | 2388 (4), 2389, 3078 (4), 3844 (4), 4943 (6), 4954, 4961 (6), 4986 (3), 4989 (3)                              |
| 7133                                | $D_{10} \cdot S_3$  | 60    | 997920  | 9076, 9545 (3), 10287 (5)             | 2390 (2), 2391, 3082 (2), 3842 (2), 4943, 4946, 4955, 4960, 4962, 4983, 4985                                  |
| 7134                                | $15 : 2 \times 2$   | 60    | 997920  | 9076, 9083, 9082, 9543, 10317 (5)     | 2392, 2393 (2), 3083 (2), 3843 (2), 4942, 4945, 4955, 4961, 4963, 4983, 4984                                  |
| 7135                                | $D_{10} \cdot S_3$  | 60    | 665280  | 9075, 9539 (3), 10318 (5)             | 2401, 2402, 3079 (3), 3845, 4939 (3), 4973, 4975 (3)  |
| 7136                                | $D_{10} \times S_3$ | 60    | 665280  | 9079, 9075, 9078, 9540 (3), 10319 (5) | 2404, 2405, 3081 (3), 3846, 4941 (3), 4973, 4974 (3)  |
| 7137                                | $D_{10} \cdot S_3$  | 60    | 1995840 | 9075, 9545 (3), 10320 (5)             | 2407, 2408, 3085, 3099 (2), 3842, 4944, 4974, 4975  |
| 7138                                | $15 : 2 \times 2$   | 60    | 498960  | 9086, 9085, 9076, 9544, 10321 (5)     | 2412, 4935, 4956, 4959, 4978, 4982, 4984, 4985, 4988, 4989, 4990, 4991, 4992, 4993, 4994, 4996                |

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| Nr.                                 | Structure           | Order | Length  | Maximal Subgroups                     | Minimal Overgroups   |
| 7139                                | $D_{10} \cdot S_3$  | 60    | 498960  | 9076, 9539 (3), 10282 (5)             | 2413, 4938 (2), 4956, 4982 (2), 4983 (2), 4986, 4987, 4995 (2)           |
| 7140                                | $D_{10} \times S_3$ | 60    | 498960  | 9076, 9088, 9087, 9540 (3), 10322 (5) | 2414, 4945 (2), 4957, 4962 (2), 4986, 4988, 4995 (2), 4996 (2)           |
| 7141                                | $15 : 2 \cdot 2$    | 60    | 498960  | 9076, 9545, 10283 (5)                 | 2415, 4946 (2), 4957, 4963 (2), 4987, 4989, 4994 (2), 4995 (2)           |
| 7142                                | $2 \times 10 : 3$   | 60    | 498960  | 9553, 10245 (4), 10314                | 2497 (2), 4934, 4972, 4998, 4999, 5011, 5012, 5013                       |
| 7143                                | $2 \times 10 : 3$   | 60    | 166320  | 9559, 10246 (4), 10305                | 2498 (3), 3851, 4933 (3), 4971, 4997, 5000, 5001 (3), 5002 (3), 5003 (3) |
| 7144                                | $D_{60}$            | 60    | 997920  | 9077, 9083, 9081, 9560 (3), 10323 (5) | 3129 (2), 3850 (2), 4942, 4947, 5014                                     |
| 7145                                | $D_{10} \times S_3$ | 60    | 997920  | 9082, 9080, 9081, 9560 (3), 10306 (5) | 3130 (2), 3850 (2), 4942, 4948, 5015                                     |
| 7146                                | $D_{10} \times S_3$ | 60    | 1995840 | 9079, 9084, 9073, 9561 (3), 10324 (5) | 3135, 3856, 4941   |
| 7147                                | $D_{60}$            | 60    | 1995840 | 9074, 9084, 9078, 9561 (3), 10325 (5) | 3136, 3856, 4941   |
| 7148                                | $2 \times 30$       | 60    | 166320  | 9085 (3), 9559, 10326                 | 3851, 4978, 5004 (3), 5006 (3), 5007, 5008 (3), 5009 (3), 5010           |
| 7149                                | $2 \times 10 : 3$   | 60    | 332640  | 9559, 10245 (4), 10327                | 3851, 4950 (3), 4979, 5005 (3)   |
| 7150                                | $D_{60}$            | 60    | 498960  | 9081 (2), 9085, 9558 (3), 10328 (5)   | 4935, 5006, 5014, 5015, 5017, 5022, 5024                                 |
| 7151                                | $15 : 2 \times 2$   | 60    | 498960  | 9082 (2), 9085, 9554, 10329 (5)       | 4936, 4984, 5008, 5015, 5020, 5032, 5034                                 |
| 7152                                | $D_{60}$            | 60    | 498960  | 9087, 9085, 9077, 9548 (3), 10322 (5) | 4936, 4988, 5007, 5014, 5018, 5028, 5030                                 |
| 7153                                | $2 \times 30$       | 60    | 498960  | 9083 (2), 9085, 9557, 10330           | 4937, 4984, 5009, 5014, 5021, 5033, 5035                                 |

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| Nr.                                 | Structure           | Order | Length | Maximal Subgroups                     | Minimal Overgroups                                     |
| 7154                                | $10 \times S_3$     | 60    | 498960 | 9080, 9085, 9088, 9549 (3), 10315     | 4937, 4988, 5010, 5015, 5019, 5029, 5031               |
| 7155                                | $D_{60}$            | 60    | 997920 | 9087, 9083, 9081, 9551 (3), 10307 (5) | 4945, 4948, 5014                                       |
| 7156                                | $D_{10} \times S_3$ | 60    | 997920 | 9082, 9088, 9081, 9552 (3), 10331 (5) | 4945, 4947, 5015                                       |
| 7157                                | $15 : 2 \times 2$   | 60    | 997920 | 9082, 9083, 9086, 9560, 10309 (5)     | 4947, 4948, 4984                                       |
| 7158                                | $D_{10} \times S_3$ | 60    | 498960 | 9086, 9088, 9077, 9552 (3), 10332 (5) | 4947 (2), 4988, 5018 (2), 5027 (2)                     |
| 7159                                | $D_{10} \times S_3$ | 60    | 498960 | 9086, 9080, 9087, 9551 (3), 10300 (5) | 4948 (2), 4988, 5019 (2), 5026 (2)                     |
| 7160                                | $15 : 2 \times 2$   | 60    | 498960 | 9086 (2), 9085, 9562, 10333 (5)       | 4978, 5016, 5017, 5018, 5019, 5020, 5021               |
| 7161                                | $10 \cdot S_3$      | 60    | 498960 | 9085, 9536 (3), 10313                 | 4990, 5004, 5017, 5028, 5029, 5033, 5034               |
| 7162                                | $Q_{60}$            | 60    | 498960 | 9085, 9537 (3), 10282 (5)             | 4990, 5006, 5016, 5030, 5031, 5032, 5035               |
| 7163                                | $15 : 2 \cdot 2$    | 60    | 997920 | 9086, 9550, 10292 (5)                 | 4991, 5026, 5027                                       |
| 7164                                | 60                  | 60    | 498960 | 9085, 9547, 10316                     | 4992, 5009, 5020, 5023, 5024, 5029, 5030               |
| 7165                                | $30 \cdot 2$        | 60    | 498960 | 9085, 9546, 10283 (5)                 | 4992, 5008, 5021, 5022, 5025, 5028, 5031               |
| 7166                                | $D_{10} \cdot S_3$  | 60    | 997920 | 9086, 9538 (3), 10293 (5)             | 4993, 5026, 5027                                       |
| 7167                                | $D_{60}$            | 60    | 498960 | 9087 (2), 9085, 9555 (3), 10334 (5)   | 4996, 5007, 5019, 5024, 5025, 5034, 5035               |
| 7168                                | $10 \times S_3$     | 60    | 498960 | 9085, 9088 (2), 9556 (3), 10335       | 4996, 5010, 5018, 5022, 5023, 5032, 5033               |
| 7169                                | $D_{10} \times S_3$ | 60    | 997920 | 9087, 9088, 9086, 9561 (3), 10336 (5) | 4996, 5018, 5019                                       |
| 7170                                | $2^3 : 7$           | 56    | 118800 | 10491, 10633 (8)                      | 1821 (4), 3865, 3866 (4), 3867 (8), 5036 (6), 5038 (3) |

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| Nr.                                 | Structure         | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 7171                                | $D_8 \times 7$    | 56    | 1425600 | 9092, 9090, 9091, 10492                         | 1930 (2), 3869, 3870, 5037   |
| 7172                                | $D_{28} \cdot 2$  | 56    | 1425600 | 9093, 9092, 9094, 10493 (7)                     | 2823 (2), 3861, 5037   |
| 7173                                | $D_{28} \times 2$ | 56    | 1425600 | 9089 (2), 9096 (2), 9091, 9095, 9094, 10494 (7) | 3857, 3864 (2), 5037   |
| 7174                                | $D_{28} : 2$      | 56    | 1425600 | 9093, 9090, 9095, 10495 (7)                     | 3858, 3871, 5037   |
| 7175                                | $D_{28} \times 2$ | 56    | 475200  | 9094 (3), 9097 (3), 9090, 10496 (7)             | 3859, 3872, 3873 (2), 5037 (3)   |
| 7176                                | $D_{56}$          | 56    | 1425600 | 9097, 9092, 9095, 10497 (7)                     | 3860, 5037   |
| 7177                                | $Q_{28} : 2$      | 56    | 1425600 | 9097, 9093, 9091, 10439 (7)                     | 3862, 5037   |
| 7178                                | $11 : 5$          | 55    | 4354560 | 10397, 10670 (11)                               | 1513, 1514 (2), 5039   |
| 7179                                | $3^{1+2} : 2$     | 54    | 1478400 | 9099, 9569 (3), 9568 (9)                        | 427, 3874, 3893, 5040 (3)  |
| 7180                                | $3^{1+2} : 2$     | 54    | 8870400 | 9098, 9563, 9570 (3)                            | 429, 3875, 3887, 3888, 3894  |
| 7181                                | $3^{1+2} : 2$     | 54    | 4435200 | 9099, 9596, 9570 (3)                            | 430, 3875, 3887 (2), 3896, 5040  |
| 7182                                | $3^{1+2} : 2$     | 54    | 1478400 | 9099, 9609, 9571 (3)                            | 433 (3), 3876, 3901, 5040 (3)  |
| 7183                                | $3^{1+2} : 2$     | 54    | 1478400 | 9102, 9564, 9616 (3)                            | 781, 3877, 3879, 5041 (3)  |
| 7184                                | $3^2 \cdot S_3$   | 54    | 1478400 | 9109, 9564, 9589 (3)                            | 782, 3877, 5042  |
| 7185                                | $3^{1+2} : 2$     | 54    | 2956800 | 9108, 9564, 9626 (3)                            | 783, 3877  |
| 7186                                | $3^2 \times S_3$  | 54    | 1108800 | 9100, 9569 (2), 9572, 9597, 9578 (3)            | 1227 (2), 3152, 3874 (4), 3882 (2), 3890, 5043, 5044, 5046, 5060, 5109, 5118, 5120   |
| 7187                                | $3^2 : S_3$       | 54    | 1108800 | 9100, 9600, 9570 (6), 9567 (3), 9580 (3)        | 1228 (2), 3153, 3875 (4), 3883 (2), 3895, 5044, 5046, 5047, 5063, 5113, 5117, 5119   |
| 7188                                | $3^2 \times S_3$  | 54    | 554400  | 9100, 9575 (2), 9573 (2), 9583 (3)              | 1781, 3155, 3190 (2), 3904, 5049 (2), 5053, 5055, 5056 (2), 5058, 5060 (2), 5063 (2) |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7189                                | $3^2 \times S_3$ | 54    | 554400  | 9101, 9576 (2), 9574 (2), 9583 (3)                       | 1782, 3154, 3904, 5051 (2), 5052, 5054, 5057 (2), 5059, 5061 (2), 5062 (2)   |
| 7190                                | $3^{1+2} : 2$    | 54    | 739200  | 9103, 9627, 9616 (3)                                     | 3144, 3878, 3879, 5067 (3), 5068, 5069 (3)   |
| 7191                                | $3^2 : S_3$      | 54    | 184800  | 9100, 9584, 9575 (6), 9574 (6)                           | 3145 (6), 3194 (3), 3904, 5043 (3), 5045 (3), 5047 (3), 5048 (3), 5049 (3), 5050, 5053 (3), 5071, 5072, 5073, 5074 (3), 5075 (3), 5082, 5084, 5085 |
| 7192                                | $3^{1+2} : 2$    | 54    | 4435200 | 9106, 9628, 9629 (3)                                     | 3191, 3892, 5070   |
| 7193                                | $3^2 : S_3$      | 54    | 369600  | 9101, 9598, 9597 (3), 9630 (3), 9589 (6)                 | 3192 (3), 3890, 5051 (3), 5076, 5077, 5078, 5094 (3), 5096 (3), 5100 (3)   |
| 7194                                | $3^2 : S_3$      | 54    | 184800  | 9101, 9584, 9573 (6), 9576 (6)                           | 3193 (3), 3904, 5052 (3), 5064, 5076, 5079, 5080, 5081, 5083, 5086, 5093 (3), 5101 (3), 5102 (3), 5105 (3), 5108 (3), 5110 (3), 5112 (3)           |
| 7195                                | $3^2 : S_3$      | 54    | 184800  | 9101, 9615 (12), 9600 (6), 9592 (12), 9607 (6), 9631 (3) | 3195 (3), 3895, 5054 (3), 5077 (2), 5080, 5087 (2), 5095 (6), 5106 (3), 5114 (6)   |
| 7196                                | $3^2 : S_3$      | 54    | 61600   | 9100, 9609 (12), 9601 (9), 9606 (18)                     | 3196 (9), 3876 (8), 3885 (4), 3900, 5044 (18), 5055 (9), 5072 (3), 5088 (6), 5092 (3)  |
| 7197                                | $3^2 \times S_3$ | 54    | 184800  | 9100, 9581 (2), 9587 (2), 9602 (3)                       | 3197 (6), 3199 (3), 3898, 5046 (6), 5056 (6), 5058 (3), 5072, 5073 (2), 5089 (2), 5091 (3)   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7198                                | $3^2 \times S_3$ | 54    | 369600  | 9101, 9593 (2), 9587, 9581, 9582 (3)                     | 3198 (3), 3898, 5057 (3), 5077, 5078, 5079, 5097 (3), 5099 (3), 5103 (3)           |
| 7199                                | $3^2 \times S_3$ | 54    | 184800  | 9101, 9599 (2), 9604 (2), 9632 (3)                       | 3200 (3), 3903, 5059 (3), 5078 (2), 5080, 5090 (2), 5098 (6), 5104 (3), 5122 (6)   |
| 7200                                | $3^2 : S_3$      | 54    | 369600  | 9100, 9598, 9577 (3), 9616 (6), 9572 (3)                 | 3201 (3), 3879 (2), 3890, 5060 (3), 5082, 5088, 5089, 5109 (3), 5117 (3), 5119 (3) |
| 7201                                | $3^2 : S_3$      | 54    | 369600  | 9101, 9603, 9605 (3), 9617 (6), 9565 (3)                 | 3202 (3), 3905, 5061 (3), 5081, 5087, 5090, 5107 (3), 5116 (3), 5123 (3)           |
| 7202                                | $3^2 \times S_3$ | 54    | 369600  | 9101, 9618 (2), 9588, 9604, 9608 (3)                     | 3203 (3), 3903, 5062 (3), 5086, 5087, 5090, 5111 (3), 5115 (3), 5121 (3)           |
| 7203                                | $3^2 \times S_3$ | 54    | 369600  | 9100, 9599, 9588, 9619 (2), 9579 (3)                     | 3204 (3), 3886 (2), 3903, 5063 (3), 5085, 5088, 5089, 5113 (3), 5118 (3), 5120 (3) |
| 7204                                | $3^{1+2} : 2$    | 54    | 1478400 | 9106, 9627, 9626 (3)                                     | 3249, 3878, 5070 (3)   |
| 7205                                | $3^2 : S_3$      | 54    | 184800  | 9100, 9585 (9), 9620 (12), 9610 (18)                     | 3259 (3), 3881 (4), 3891, 5053 (3), 5091 (3), 5092, 5109 (6), 5113 (6)             |
| 7206                                | $3^2 : S_3$      | 54    | 554400  | 9100, 9601, 9586 (6), 9612 (6)                           | 3260, 3261 (2), 3900, 5055, 5056 (2), 5074 (2), 5075, 5091, 5117 (2), 5118 (2)     |
| 7207                                | $3^2 \times 6$   | 54    | 184800  | 9100, 9602 (3), 9582 (6), 9621 (4)                       | 3262 (3), 3884 (4), 3898, 5058 (3), 5075 (3), 5092, 5119 (6), 5120 (6)             |
| 7208                                | $3^2 \times S_3$ | 54    | 1108800 | 9101, 9577, 9630, 9590 (2), 9578 (3)                     | 3263, 3890, 5051, 5093, 5094, 5095, 5097, 5098, 5099                               |
| 7209                                | $3^2 : S_3$      | 54    | 554400  | 9101, 9610 (6), 9585 (3), 9622 (12), 9591 (12), 9611 (6) | 3264, 3891, 5052, 5094 (2), 5103 (2), 5104, 5106, 5107 (2), 5111 (2)               |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 7210                                | $3^2 : S_3$        | 54    | 554400  | 9101, 9631, 9614 (6),<br>9580 (6)                        | 3265, 3895, 5054,<br>5096 (2), 5097 (2),<br>5104, 5105, 5115 (2),<br>5116 (2) |
| 7211                                | $3^2 : S_3$        | 54    | 1108800 | 9101, 9606, 9595 (6),<br>9612 (3), 9586 (3)              | 3266, 3900, 5057,<br>5095, 5096, 5098,<br>5100, 5102, 5103                    |
| 7212                                | $3^2 \times 6$     | 54    | 554400  | 9101, 9594 (4), 9579<br>(2), 9623 (4), 9608<br>(2), 9632 | 3267, 3903, 5059,<br>5099 (2), 5100 (2),<br>5105, 5106, 5121 (2),<br>5123 (2) |
| 7213                                | $3^2 \times S_3$   | 54    | 1108800 | 9101, 9565, 9605,<br>9624 (2), 9613 (3)                  | 3268, 3905, 5061,<br>5107, 5108, 5114,<br>5115, 5121, 5122                    |
| 7214                                | $3^2 : S_3$        | 54    | 1108800 | 9101, 9607, 9614 (3),<br>9567 (3), 9625 (6)              | 3269, 3895, 5062,<br>5111, 5112, 5114,<br>5116, 5122, 5123                    |
| 7215                                | $3^2 \times S_3$   | 54    | 2217600 | 9105, 9626 (2), 9589,<br>9616, 9578 (3)                  | 3877 (2), 3878, 3890,<br>5124, 5125, 5129                                     |
| 7216                                | $3^2 : S_3$        | 54    | 184800  | 9107, 9627, 9589 (12)                                    | 3878 (4), 5126 (6),<br>5127, 5128 (6), 5149<br>(3), 5150 (3)                  |
| 7217                                | $3^2 : S_3$        | 54    | 369600  | 9104, 9611 (9), 9622<br>(18), 9620 (12)                  | 3880 (4), 3891, 5131<br>(6), 5143 (3)   |
| 7218                                | $3^{1+2} : 2$      | 54    | 2217600 | 9103, 9620, 9629 (3)                                     | 3880 (2), 3881, 3892,<br>5067, 5130, 5132                                     |
| 7219                                | $3^{1+2} : 2$      | 54    | 739200  | 9103, 9569 (3), 9629<br>(9)                              | 3882, 3893, 5067 (3),<br>5133, 5134 (3)                                       |
| 7220                                | $3^{1+2} : 2$      | 54    | 2217600 | 9103, 9633, 9570 (3)                                     | 3883, 3888 (2), 3896,<br>5069, 5132, 5134                                     |
| 7221                                | $3^{1+2} : 2$      | 54    | 4435200 | 9102, 9634, 9570 (3)                                     | 3883, 3887 (2), 3894,<br>5041   |
| 7222                                | $3^{1+2} \times 2$ | 54    | 1478400 | 9102, 9621, 9635 (3)                                     | 3884, 3897, 5041 (3)  |
| 7223                                | $3^{1+2} \times 2$ | 54    | 739200  | 9103, 9621, 9636 (3)                                     | 3884, 3899, 5069 (3),<br>5130 (3), 5133                                       |
| 7224                                | $3^{1+2} : 2$      | 54    | 739200  | 9103, 9609, 9637 (3)                                     | 3885, 3901, 5068,<br>5130 (3), 5134 (3)                                       |
| 7225                                | $3^{1+2} : 2$      | 54    | 246400  | 9103, 9619 (3), 9637<br>(9)                              | 3886, 3889 (2), 3902,<br>5068 (3), 5132 (9),<br>5133 (3)                      |
| 7226                                | $3^2 : S_3$        | 54    | 2217600 | 9104, 9615, 9570 (6),<br>9625 (3), 9614 (3)              | 3887 (4), 3888 (2),<br>3895, 5131, 5144,<br>5148                              |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                       | Minimal Overgroups   |
| 7227                                | $3^2 \times S_3$ | 54    | 739200  | 9104, 9619 (2), 9618, 9604, 9623 (3)                    | 3889 (2), 3903, 5131 (3), 5147, 5148 (3)   |
| 7228                                | $3^2 : S_3$      | 54    | 739200  | 9105, 9598, 9626 (6), 9569 (3), 9590 (3)                | 3890, 3893, 5125 (3), 5139, 5140 (3)   |
| 7229                                | $3^2 : S_3$      | 54    | 739200  | 9105, 9610 (9), 9622 (18), 9628 (6), 9620 (3), 9591 (3) | 3891, 3892, 5125 (3), 5135, 5137 (3)   |
| 7230                                | $3^2 : S_3$      | 54    | 2217600 | 9107, 9591, 9568 (6), 9629 (3), 9590 (3)                | 3892, 3893, 5126, 5136, 5138   |
| 7231                                | $3^{1+2} : 2$    | 54    | 4435200 | 9106, 9626 (3), 9629 (3), 9568 (6)                      | 3893, 5070   |
| 7232                                | $9 : S_3$        | 54    | 1478400 | 9109, 9634 (3), 9563 (6), 9592 (3)                      | 3894, 5042   |
| 7233                                | $3^2 : S_3$      | 54    | 2217600 | 9105, 9592, 9570 (3), 9580 (3), 9625 (6)                | 3894 (2), 3895, 3896, 5124, 5137, 5140   |
| 7234                                | $3^2 : S_3$      | 54    | 184800  | 9107, 9592 (12), 9596 (24), 9633 (3)                    | 3896 (4), 5127, 5138 (12)  |
| 7235                                | $9 \times S_3$   | 54    | 1478400 | 9109, 9593, 9635 (3)                                    | 3897, 5042   |
| 7236                                | $3^2 \times S_3$ | 54    | 246400  | 9105, 9593, 9581 (3), 9621 (3)                          | 3897 (2), 3898, 3899, 5124 (9), 5135 (3), 5139 (3)                               |
| 7237                                | $3^2 \times S_3$ | 54    | 184800  | 9107, 9593 (4), 9636 (3)                                | 3899 (4), 5127, 5136 (12)  |
| 7238                                | $3^2 : S_3$      | 54    | 739200  | 9105, 9609, 9612 (9), 9595 (3)                          | 3900, 3901, 5129 (3), 5135, 5140 (3)   |
| 7239                                | $3^2 \times S_3$ | 54    | 2217600 | 9107, 9595, 9637, 9571 (2), 9594 (3)                    | 3901, 3902, 5128, 5136, 5138   |
| 7240                                | $3^2 \times S_3$ | 54    | 739200  | 9105, 9599, 9619, 9618 (2), 9594 (3)                    | 3902, 3903, 5129 (3), 5137 (3), 5139   |
| 7241                                | $3^2 : S_3$      | 54    | 369600  | 9104, 9603, 9624 (6), 9566 (6)                          | 3905, 5141, 5142 (3), 5143 (3), 5144 (3), 5145, 5146 (3), 5147                   |
| 7242                                | $3^2 \times S_3$ | 54    | 1108800 | 9104, 9617 (2), 9566 (2), 9613 (3)                      | 3905, 5142 (2), 5143, 5148 (2)   |
| 7243                                | $5^2 : 2$        | 50    | 598752  | 9110, 10405, 10408 (5)                                  | 2497 (2), 2498, 5152, 5153, 5154, 5155, 5156, 5157, 5158                         |
| 7244                                | $5^2 : 2$        | 50    | 299376  | 9110, 10409 (10), 10398 (20)                            | 5153, 5159 (2), 5160 (2), 5161 (2), 5162 (2), 5163, 5164, 5165, 5166, 5167, 5168 |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                    |
| 7245                                | $5^2 : 2$               | 50    | 598752  | 9110, 10410, 10407 (5)   | 5157, 5158, 5166                                      |
| 7246                                | $5^2 : 2$               | 50    | 299376  | 9110, 10406 (10), 10403 (20)   | 5157 (2), 5165, 5170 (4)                              |
| 7247                                | $5 \times 10$           | 50    | 299376  | 9110, 10411 (2), 10404 (4)   | 5158 (2), 5165, 5169 (4)                              |
| 7248                                | $5^2 : 2$               | 50    | 1197504 | 9110, 10399, 10400 (5)   | 5160, 5169, 5170                                      |
| 7249                                | $5^2 : 2$               | 50    | 1197504 | 9110, 10402, 10401 (5)   | 5162, 5169, 5170                                      |
| 7250                                | $Q_8 : S_3$             | 48    | 9979200 | 9228, 9641 (3), 10253 (4)  | 246, 1934, 3312, 3487, 3489, 4111                     |
| 7251                                | $Q_8 : S_3$             | 48    | 9979200 | 9203, 9642 (3), 10253 (4)  | 247, 1935, 3312, 3313, 3487                           |
| 7252                                | $2^3 \times S_3$        | 48    | 2494800 | 9239, 9116, 9376, 9405 (2), 9386 (2), 9473, 9113, 9114 (2), 9328, 9483, 9115 (2), 9816 (3) | 895 (2), 3467, 4415, 5172, 5229, 5379                 |
| 7253                                | $D_8 \times S_3$        | 48    | 2494800 | 9470, 9113, 9209, 9446, 9240, 9117, 9326, 9817 (3)   | 896 (2), 3639, 3943, 4301, 4302 (2), 5172, 5230, 5449 |
| 7254                                | $2^3 \times S_3$        | 48    | 831600  | 9116 (3), 9486 (3), 9416 (3), 9326, 9449, 9118 (3), 9241, 9818 (3)                         | 897 (2), 3650, 3944, 4314, 5172 (3), 5232, 5407 (3)   |
| 7255                                | $D_8 \times S_3$        | 48    | 2494800 | 9118, 9330, 9482, 9113, 9226, 9475, 9242, 9819 (3)   | 898 (2), 3709, 4413, 5172, 5233, 5378                 |
| 7256                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9491, 9493, 9330, 9116, 9212, 9117, 9243, 9820 (3)   | 899 (2), 3715, 4412, 5172, 5234, 5450                 |
| 7257                                | $D_8 \times S_3$        | 48    | 2494800 | 9118, 9117, 9244, 9328, 9501, 9216, 9498, 9821 (3)   | 900 (2), 3725, 4416, 5172, 5235, 5451                 |
| 7258                                | $2^3 : S_3$             | 48    | 4989600 | 9125, 9124, 9119, 9696 (3), 10253 (4)  | 910, 3313, 3488, 3489, 3945, 4204, 5173               |
| 7259                                | $2^3 : S_3$             | 48    | 1663200 | 9129, 9128, 9119, 9697 (3), 10280 (4)  | 911, 3602 (3), 3947, 4192, 5173 (3)                   |
| 7260                                | $2^3 : S_3$             | 48    | 4989600 | 9127, 9119, 9126, 9698 (3), 10281 (4)  | 912, 3593, 3946, 4144, 5173                           |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                     | Minimal Overgroups   |
| 7261                                | $2^3 : S_3$             | 48    | 4989600 | 9120, 9122, 9121, 9670 (3), 10337 (4) | 913 (2), 3664, 3952 (2), 4233, 4296, 5374  |
| 7262                                | $A_4 \times 2 \times 2$ | 48    | 1663200 | 9124, 9128, 9127, 9822, 10308 (4)     | 927 (3), 3314 (3), 3493, 3494, 3948, 4205, 5173 (3)  |
| 7263                                | $2^3 : S_3$             | 48    | 9979200 | 9123, 9131, 9130, 9679 (3), 10338 (4) | 929, 3315, 3471, 3507, 3949  |
| 7264                                | $2^3 : S_3$             | 48    | 4989600 | 9129, 9124, 9126, 9728 (3), 10338 (4) | 930, 3315, 3508, 3509, 3950, 4209, 5173  |
| 7265                                | $2^3 : S_3$             | 48    | 4989600 | 9127, 9129, 9125, 9734 (3), 10339 (4) | 932, 3654, 3951, 4226, 5173  |
| 7266                                | $2^3 : S_3$             | 48    | 4989600 | 9126, 9128, 9125, 9670 (3), 10340 (4) | 935, 3669, 3952, 4237, 4296 (2), 5173  |
| 7267                                | $D_8 : S_3$             | 48    | 2494800 | 9233, 9418, 9232, 9659 (3)            | 1115 (2), 3316, 5174, 5550, 5583   |
| 7268                                | $D_8 : 6$               | 48    | 2494800 | 9418, 9237, 9236, 9660                | 1116 (2), 3317, 5174, 5552, 5583   |
| 7269                                | $2^3 : S_3$             | 48    | 2494800 | 9256, 9132, 9255, 9823 (3), 10261 (4) | 1401 (2), 1403 (2), 3631, 5175, 5436, 5437   |
| 7270                                | $2^3 : S_3$             | 48    | 4989600 | 9133, 9258, 9257, 9823 (3), 10262 (4) | 1401, 1403, 3448, 3630, 3761, 5176   |
| 7271                                | $2^3 : S_3$             | 48    | 4989600 | 9134, 9392, 9137, 9824 (3), 10253 (4) | 1405 (2), 1474, 3312 (2), 3488, 5213   |
| 7272                                | $2^3 : S_3$             | 48    | 2494800 | 9133, 9373, 9260, 9825 (3), 10262 (4) | 1406 (2), 3391, 3448, 3449, 5176, 5373, 5376   |
| 7273                                | $2^3 : S_3$             | 48    | 1247400 | 9259, 9444, 9132, 9825 (3), 10263 (4) | 1406 (4), 3636, 5175, 5381, 5428, 5435, 5440, 5442, 5445   |
| 7274                                | $2^3 : S_3$             | 48    | 207900  | 9136, 9442, 9270, 9826 (3), 10271 (4) | 1415, 3415, 3992 (4), 3994 (4), 5177 (6), 5180, 5182 (6), 5183 (3), 5185 (3)   |
| 7275                                | $2^3 : S_3$             | 48    | 103950  | 9277, 9135 (2), 9826 (3), 10267 (4)   | 1415 (2), 3024 (4), 3938 (8), 3993 (4), 5178 (6), 5179, 5181 (6), 5184 (3), 5186 (3), 5252 (3), 5254 (3), 5257 (6), 5271 (6), 5323, 5330 |

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| Nr.                                 | Structure   | Order | Length | Maximal Subgroups                     | Minimal Overgroups   |
| 7276                                | $2^3 : S_3$ | 48    | 13860  | 9135, 9251, 9275, 9810 (3), 10270 (4) | 1440, 3025 (6), 3034 (36), 3939 (6), 4001 (20), 4009 (20), 5179 (15), 5195 (45), 5209 (15)   |
| 7277                                | $2^3 : S_3$ | 48    | 13860  | 9274, 9310, 9136, 9810 (3), 10272 (4) | 1440, 3035 (36), 4002 (20), 4010 (20), 5180 (15), 5196 (45), 5210 (15)   |
| 7278                                | $2^3 : S_3$ | 48    | 207900 | 9519, 9136, 9276, 9827 (3), 10274 (4) | 1441, 2427 (8), 3999 (4), 4006 (4), 5180, 5182 (6), 5193 (6), 5214 (3), 5218 (3)   |
| 7279                                | $2^3 : S_3$ | 48    | 207900 | 9275, 9135, 9280, 9827 (3), 10273 (4) | 1441, 3026 (4), 3940 (4), 4000 (4), 4005 (4), 5179, 5181 (6), 5194 (6), 5215 (3), 5219 (3)   |
| 7280                                | $2^3 : S_3$ | 48    | 623700 | 9308, 9278, 9136, 9797 (3), 10263 (4) | 1442, 2428 (4), 3030 (4), 3995 (4), 3997 (4), 5177, 5183, 5188, 5190, 5191, 5193, 5196, 5197, 5199, 5202, 5204, 5206, 5208, 5214, 5216           |
| 7281                                | $2^3 : S_3$ | 48    | 623700 | 9135, 9277, 9252, 9797 (3), 10275 (4) | 1442, 3027 (2), 3031 (4), 3941 (2), 3996 (4), 3998 (4), 5178, 5184, 5187, 5189, 5192, 5194, 5195, 5198, 5200, 5201, 5203, 5205, 5207, 5215, 5217 |
| 7282                                | $2^3 : S_3$ | 48    | 623700 | 9253, 9135, 9280, 9809 (3), 10277 (4) | 1443, 3028 (2), 3033 (4), 3942 (2), 4003 (4), 4016 (4), 5181 (2), 5186, 5195, 5201 (2), 5211 (2), 5217 (2), 5219                                 |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7283                                | $2^3 : S_3$      | 48    | 623700  | 9136, 9309, 9279, 9809 (3), 10276 (4)  | 1443, 3032 (4), 4004 (4), 4015 (4), 5182 (2), 5185, 5196, 5202 (2), 5212 (2), 5216 (2), 5218 |
| 7284                                | $2^3 : S_3$      | 48    | 207900  | 9252, 9135, 9516, 9828 (3), 10268 (4)  | 1469, 4007 (4), 4013 (4), 5184 (3), 5203 (6), 5209, 5211 (6), 5219 (3)                       |
| 7285                                | $2^3 : S_3$      | 48    | 207900  | 9284, 9518, 9136, 9828 (3), 10278 (4)  | 1469, 4008 (4), 4014 (4), 5183 (3), 5204 (6), 5210, 5212 (6), 5218 (3)                       |
| 7286                                | $2^3 : S_3$      | 48    | 207900  | 9136, 9285, 9520, 9829 (3), 10279 (4)  | 1470, 4011 (4), 4018 (4), 5185 (3), 5206 (6), 5210, 5212 (6), 5214 (3)                       |
| 7287                                | $2^3 : S_3$      | 48    | 207900  | 9135, 9253, 9517, 9829 (3), 10269 (4)  | 1470, 4012 (4), 4017 (4), 5186 (3), 5205 (6), 5209, 5211 (6), 5215 (3)                       |
| 7288                                | $2^3 : S_3$      | 48    | 4989600 | 9288, 9430, 9137, 9830 (3), 10280 (4)  | 1476, 3602, 5213   |
| 7289                                | $2^3 : S_3$      | 48    | 4989600 | 9289, 9137, 9421, 9831 (3), 10281 (4)  | 1478, 3593, 5213   |
| 7290                                | $2^3 \times S_3$ | 48    | 2494800 | 9141, 9364, 9142 (2), 9139, 9177 (2), 9488, 9140, 9184 (2), 9487, 9143 (2), 9486, 9832 (3) | 1829 (4), 1921, 3379, 4334, 5232, 5246, 5248   |
| 7291                                | $2^3 \times S_3$ | 48    | 207900  | 9144 (4), 9174 (4), 9147 (6), 9443, 9815 (3)   | 1830 (4), 3318, 4021 (4), 4067 (4), 5220, 5221 (6), 5224 (6), 5526 (3), 5554 (3)             |
| 7292                                | $2^3 \times S_3$ | 48    | 277200  | 9145 (3), 9165 (3), 9163 (3), 9146 (3), 9350, 9360, 9144, 9822 (3)                         | 1831 (3), 3320 (3), 3948 (2), 4022 (9), 4036, 4187, 5220 (3), 5227 (9), 5236 (3)             |
| 7293                                | $2^3 \times S_3$ | 48    | 831600  | 9448, 9146 (3), 9180 (3), 9424, 9148 (3), 9181 (3), 9144, 9833 (3)                         | 1832 (3), 3322, 4023 (3), 4035, 4218, 5220, 5238 (3), 5249 (3)                               |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7294                                | $2^3 \times S_3$        | 48    | 415800  | 9171 (6), 9147 (3), 9453 (3), 9286, 9161 (2), 9834 (3)                                     | 1833 (2), 3325, 4024 (2), 4039, 5221 (3), 5222 (3), 5223, 5429, 5464 (3), 5478 (3), 5486 |
| 7295                                | $2^3 \times S_3$        | 48    | 1247400 | 9163 (2), 9147, 9454 (2), 9183 (4), 9455, 9181 (2), 9146 (2), 9291, 9835 (3)               | 1834 (2), 3327, 4025 (2), 4038 (2), 5220, 5222, 5226, 5441, 5505, 5536, 5559             |
| 7296                                | $2^3 \times S_3$        | 48    | 1247400 | 9291, 9154 (2), 9312, 9311, 9183 (2), 9148, 9145, 9180 (2), 9165 (2), 9294, 9147, 9804 (3) | 1835 (2), 3037 (2), 3329, 4026 (2), 4037 (2), 5220, 5223, 5225, 5339, 5361, 5506, 5543   |
| 7297                                | $2 \times 4 \times S_3$ | 48    | 1247400 | 9271, 9268, 9150 (2), 9147, 9167 (2), 9785 (3)   | 1836 (2), 3036 (2), 3330, 4027 (2), 5221, 5225, 5226, 5307, 5310, 5525, 5555             |
| 7298                                | $2 \times 4 \times S_3$ | 48    | 1247400 | 9153 (2), 9168 (2), 9147, 9292, 9295, 9800 (3)   | 1837 (2), 3038 (2), 3332, 4028 (2), 5222, 5224, 5225, 5340, 5362, 5538, 5558             |
| 7299                                | $2^3 \times S_3$        | 48    | 1247400 | 9148 (2), 9300, 9170 (2), 9172 (2), 9459 (2), 9178 (4), 9147, 9460, 9836 (3)               | 1838 (2), 3335, 4029 (2), 5223, 5224, 5226, 5448, 5542, 5556, 5563                       |
| 7300                                | $D_8 \times S_3$        | 48    | 2494800 | 9192, 9208, 9186, 9144, 9150, 9191, 9171, 9696 (3)   | 1846, 1963 (2), 3336, 3945 (2), 4091, 4114, 4215, 5221, 5227, 5249                       |
| 7301                                | $D_8 \times S_3$        | 48    | 2494800 | 9163, 9190, 9172, 9194, 9195, 9214, 9150, 9705 (3)   | 1847, 1970 (2), 3340, 4106, 4118, 5226, 5227, 5240                                       |
| 7302                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9213, 9165, 9189, 9196, 9193, 9153, 9150, 9704 (3)   | 1848, 1971 (2), 3040 (2), 3338, 4100, 4117, 5225, 5227, 5242                             |
| 7303                                | $D_8 \times S_3$        | 48    | 2494800 | 9139, 9151, 9210, 9155, 9209, 9197, 9200, 9709 (3)   | 1849, 1972 (2), 3337, 4119, 5228, 5230, 5248   |
| 7304                                | $D_8 \times S_3$        | 48    | 2494800 | 9216, 9162, 9173, 9198, 9151, 9215, 9201, 9705 (3)   | 1850, 1973 (2), 3341, 4118, 5228, 5235, 5241   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7305                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9151, 9152, 9212, 9164, 9199, 9202, 9211, 9710 (3)   | 1851, 1974 (2), 3339, 4121, 5228, 5234, 5243                       |
| 7306                                | $D_8 \times S_3$        | 48    | 2494800 | 9204, 9163, 9153, 9187, 9171, 9218, 9217, 9727 (3)   | 1852, 1977 (2), 3342, 4092, 4127, 5222, 5227, 5247                 |
| 7307                                | $D_8 \times S_3$        | 48    | 2494800 | 9205, 9219, 9221, 9162, 9152, 9220, 9139, 9681 (3)   | 1853, 1978 (2), 3343, 3484 (2), 3974, 5228, 5231, 5246             |
| 7308                                | $D_8 \times S_3$        | 48    | 2494800 | 9206, 9172, 9188, 9223, 9222, 9153, 9144, 9728 (3)   | 1854, 1979 (2), 3344, 3950 (2), 4096, 4124, 4220, 5224, 5227, 5238 |
| 7309                                | $D_8 \times S_3$        | 48    | 2494800 | 9207, 9225, 9152, 9173, 9224, 9155, 9226, 9729 (3)   | 1855, 1980 (2), 3345, 4134, 5228, 5233, 5239                       |
| 7310                                | $2^3 \times S_3$        | 48    | 831600  | 9333, 9158 (3), 9372, 9155 (3), 9113 (3), 9175, 9400 (3), 9837 (3)                         | 1865, 3319, 4068, 4300, 5229, 5230 (3), 5233 (3)                   |
| 7311                                | $2^3 \times S_3$        | 48    | 2494800 | 9334, 9325 (2), 9239, 9155, 9156 (2), 9162, 9375, 9114 (2), 9157 (2), 9164, 9417, 9838 (3) | 1866, 3321, 4040 (4), 4259, 5228, 5229, 5237                       |
| 7312                                | $2^3 \times S_3$        | 48    | 2494800 | 9182, 9452, 9157 (2), 9141, 9115 (2), 9377, 9159 (2), 9155, 9335, 9376, 9401 (2), 9839 (3) | 1867, 3323, 4346, 5229, 5239, 5248                                 |
| 7313                                | $2^3 \times S_3$        | 48    | 831600  | 9158 (3), 9384 (3), 9139 (3), 9385 (3), 9327, 9160, 9326, 9840 (3)                         | 1868, 3324, 3451 (2), 3956, 4052, 5230 (3), 5231 (3), 5232         |
| 7314                                | $2^3 \times S_3$        | 48    | 2494800 | 9184 (2), 9182, 9389, 9162, 9387 (2), 9157 (2), 9386 (2), 9158, 9328, 9388, 9329, 9841 (3) | 1869, 3326, 3452 (2), 3957, 5229, 5231, 5235                       |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7315                                | $2^3 \times S_3$        | 48    | 2494800 | 9184, 9405, 9404, 9141, 9159, 9336, 9116, 9156, 9176, 9402, 9403, 9457, 9158, 9456, 9164, 9842 (3) | 1870, 3328, 4356, 5229, 5232, 5234   |
| 7316                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9166, 9158, 9406, 9151, 9407, 9337, 9117, 9843 (3)   | 1871, 3331, 4358, 5230, 5234, 5235   |
| 7317                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9169, 9152, 9391, 9158, 9330, 9331, 9390, 9844 (3)   | 1872, 3333, 3453 (2), 3960, 5231, 5233, 5234                                 |
| 7318                                | $2^3 \times S_3$        | 48    | 2494800 | 9158, 9177 (2), 9458 (2), 9159 (2), 9409 (2), 9410, 9173, 9118, 9140, 9408, 9338, 9845 (3)         | 1873, 3334, 4362, 5232, 5233, 5235   |
| 7319                                | $D_8 \times S_3$        | 48    | 831600  | 9347, 9344, 9191, 9144, 9167, 9301, 9161, 9826 (3)   | 1876, 3347 (3), 3938, 3992, 4073, 4177 (3), 5221 (3), 5236, 5238 (3)         |
| 7320                                | $D_8 \times S_3$        | 48    | 2494800 | 9166, 9155, 9240, 9160, 9324, 9339, 9461, 9846 (3)   | 1877, 3346, 4051, 4267, 5230, 5237, 5239                                     |
| 7321                                | $D_8 \times S_3$        | 48    | 831600  | 9161, 9168, 9361, 9163, 9306, 9354, 9204, 9792 (3)   | 1878, 3348 (3), 4053, 4085, 4178 (3), 5222 (3), 5236, 5240 (3)               |
| 7322                                | $D_8 \times S_3$        | 48    | 2494800 | 9160, 9169, 9396, 9162, 9250, 9381, 9397, 9792 (3)   | 1879, 3349, 3417 (4), 3478 (2), 4054, 4178, 5231, 5237, 5241                 |
| 7323                                | $2^3 \times S_3$        | 48    | 831600  | 9164 (3), 9140 (3), 9462 (3), 9463 (3), 9241, 9160, 9340, 9847 (3)                                 | 1880, 3350, 4056, 4270, 5232, 5237 (3), 5243 (3)                             |
| 7324                                | $2^3 \times S_3$        | 48    | 277200  | 9165 (3), 9363 (3), 9170 (3), 9346 (3), 9355, 9161, 9307, 9848 (3)                                 | 1881, 3351 (3), 4055, 4083, 4084 (2), 4179 (3), 5223 (3), 5236 (3), 5242 (9) |
| 7325                                | $D_8 \times S_3$        | 48    | 2494800 | 9140, 9169, 9464, 9155, 9465, 9341, 9242, 9849 (3)   | 1882, 3353, 4366, 5233, 5237, 5248   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7326                                | $D_8 \times S_3$        | 48    | 831600  | 9170, 9168, 9351, 9144, 9318, 9358, 9206, 9850 (3)   | 1883, 3352 (3), 4099, 4180 (3), 4189, 5224 (3), 5236, 5249 (3)     |
| 7327                                | $2 \times 4 \times S_3$ | 48    | 831600  | 9272, 9267, 9193, 9165, 9168, 9266, 9167, 9786 (3)   | 1884, 3041 (6), 3355 (3), 4103, 4145 (3), 5225 (3), 5236, 5244 (3) |
| 7328                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9166, 9169, 9243, 9164, 9281, 9283, 9282, 9798 (3)   | 1885, 3042 (4), 3354, 4153, 5234, 5237, 5245                       |
| 7329                                | $D_8 \times S_3$        | 48    | 831600  | 9167, 9170, 9194, 9163, 9369, 9322, 9368, 9851 (3)   | 1886, 3357 (3), 4105, 4181 (3), 5226 (3), 5236, 5247 (3)           |
| 7330                                | $D_8 \times S_3$        | 48    | 2494800 | 9166, 9140, 9244, 9162, 9466, 9342, 9467, 9738 (3)   | 1887, 3356, 4327, 5235, 5237, 5246                                 |
| 7331                                | $D_8 \times S_3$        | 48    | 2494800 | 9446, 9160, 9447, 9343, 9468, 9175, 9151, 9797 (3)   | 1896, 3358, 3997, 3998, 4249, 5230, 5241, 5243                     |
| 7332                                | $D_8 \times S_3$        | 48    | 2494800 | 9174, 9150, 9303, 9161, 9208, 9344, 9469, 9797 (3)   | 1897, 3359, 3995, 3996, 4044 (2), 4074, 4249, 5221, 5240, 5242     |
| 7333                                | $2^3 \times S_3$        | 48    | 2494800 | 9176 (2), 9177 (2), 9440 (2), 9414, 9173, 9415, 9164, 9441 (2), 9139, 9416, 9345, 9852 (3) | 1898, 3360, 4041 (4), 4260, 5228, 5232, 5245                       |
| 7334                                | $2^3 \times S_3$        | 48    | 2494800 | 9154 (2), 9434 (2), 9411 (2), 9172, 9413, 9315, 9165, 9178 (2), 9412, 9171, 9346, 9838 (3) | 1899, 3361, 4040 (4), 4095, 4255, 5223, 5227, 5244                 |
| 7335                                | $D_8 \times S_3$        | 48    | 2494800 | 9167, 9171, 9347, 9174, 9469, 9192, 9313, 9853 (3)   | 1900, 3363, 4057, 4090, 4261, 5221, 5244, 5247                     |
| 7336                                | $D_8 \times S_3$        | 48    | 2494800 | 9348, 9426, 9471, 9175, 9139, 9470, 9166, 9737 (3)   | 1901, 3362, 4058, 4266, 5230, 5245, 5246                           |
| 7337                                | $2^3 \times S_3$        | 48    | 831600  | 9164 (3), 9182 (3), 9472 (3), 9473 (3), 9175, 9433, 9349, 9854 (3)                         | 1902, 3364, 4059, 4271, 5229, 5243 (3), 5245 (3)                   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 7338                                | $2^3 \times S_3$ | 48    | 831600  | 9165 (3), 9454 (3),<br>9174, 9350, 9181 (3),<br>9312 (3), 9424, 9835<br>(3) | 1903, 3365, 4038 (3),<br>4060, 4264, 5220,<br>5242 (3), 5244 (3) |
| 7339                                | $D_8 \times S_3$ | 48    | 2494800 | 9174, 9222, 9319,<br>9351, 9172, 9168,<br>9474, 9801 (3)                    | 1904, 3366, 4061,<br>4098, 4265, 5224,<br>5240, 5244             |
| 7340                                | $D_8 \times S_3$ | 48    | 2494800 | 9429, 9175, 9169,<br>9352, 9173, 9475,<br>9476, 9801 (3)                    | 1905, 3367, 4062,<br>4265, 5233, 5241,<br>5245                   |
| 7341                                | $D_8 \times S_3$ | 48    | 2494800 | 9353, 9380, 9182,<br>9160, 9398, 9152,<br>9399, 9855 (3)                    | 1906, 3369, 3480 (2),<br>3969, 4063, 5231,<br>5239, 5243         |
| 7342                                | $D_8 \times S_3$ | 48    | 2494800 | 9354, 9305, 9153,<br>9161, 9218, 9181,<br>9477, 9856 (3)                    | 1907, 3368, 4064,<br>4080, 4081 (2), 4282,<br>5222, 5238, 5242   |
| 7343                                | $2^3 \times S_3$ | 48    | 831600  | 9304, 9412 (3), 9180<br>(3), 9355, 9480 (3),<br>9172 (3), 9161, 9802<br>(3) | 1908, 3371, 4066,<br>4082, 4281, 5223,<br>5238 (3), 5240 (3)     |
| 7344                                | $2^3 \times S_3$ | 48    | 831600  | 9449, 9479 (3), 9356,<br>9173 (3), 9160, 9478<br>(3), 9141 (3), 9802<br>(3) | 1909, 3370, 4065,<br>4281, 5232, 5239 (3),<br>5241 (3)           |
| 7345                                | $D_8 \times S_3$ | 48    | 2494800 | 9175, 9152, 9481,<br>9140, 9451, 9357,<br>9482, 9744 (3)                    | 1910, 3373, 4070,<br>4306, 5233, 5243,<br>5246                   |
| 7346                                | $D_8 \times S_3$ | 48    | 2494800 | 9153, 9174, 9317,<br>9170, 9474, 9358,<br>9223, 9857 (3)                    | 1911, 3372, 4069,<br>4097, 4292, 5224,<br>5242, 5247             |
| 7347                                | $2^3 \times S_3$ | 48    | 831600  | 9162 (3), 9141 (3),<br>9484 (3), 9483 (3),<br>9450, 9359, 9175,<br>9804 (3) | 1912, 3375, 4072,<br>4295, 5229, 5241 (3),<br>5246 (3)           |
| 7348                                | $2^3 \times S_3$ | 48    | 831600  | 9311 (3), 9180 (3),<br>9454 (3), 9163 (3),<br>9174, 9360, 9448,<br>9804 (3) | 1913, 3374, 4037 (3),<br>4071, 4295, 5220,<br>5240 (3), 5247 (3) |
| 7349                                | $D_8 \times S_3$ | 48    | 2494800 | 9168, 9171, 9217,<br>9181, 9316, 9361,<br>9477, 9858 (3)                    | 1918, 3377, 4093,<br>4339, 5222, 5244,<br>5249                   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7350                                | $D_8 \times S_3$        | 48    | 2494800 | 9139, 9169, 9362, 9182, 9395, 9393, 9394, 9859 (3)   | 1919, 3376, 3500 (2), 3982, 5231, 5245, 5248                 |
| 7351                                | $2^3 \times S_3$        | 48    | 2494800 | 9180, 9434 (2), 9170, 9183 (2), 9480, 9171, 9485 (2), 9413, 9178 (2), 9363, 9314, 9860 (3) | 1920, 3378, 4094, 4340, 5223, 5247, 5249                     |
| 7352                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9272, 9213, 9150, 9180, 9293, 9168, 9273, 9788 (3)   | 1922, 3039 (2), 3380, 4102, 4342, 5225, 5240, 5249           |
| 7353                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9489, 9365, 9151, 9141, 9490, 9169, 9491, 9788 (3)   | 1923, 3381, 4342, 5234, 5241, 5248                           |
| 7354                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9267, 9196, 9167, 9180, 9273, 9153, 9269, 9787 (3)   | 1924, 3043 (2), 3383, 4101, 4341, 5225, 5238, 5247           |
| 7355                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9366, 9492, 9166, 9141, 9493, 9152, 9494, 9740 (3)   | 1925, 3382, 4329, 5234, 5239, 5246                           |
| 7356                                | $D_8 \times S_3$        | 48    | 2494800 | 9151, 9140, 9497, 9182, 9367, 9496, 9498, 9861 (3)   | 1926, 3385, 4397, 5235, 5243, 5248                           |
| 7357                                | $D_8 \times S_3$        | 48    | 2494800 | 9150, 9170, 9214, 9181, 9495, 9368, 9321, 9862 (3)   | 1927, 3384, 4107, 4343, 5226, 5242, 5249                     |
| 7358                                | $D_8 \times S_3$        | 48    | 2494800 | 9172, 9167, 9323, 9181, 9369, 9495, 9195, 9863 (3)   | 1928, 3387, 4104, 4344, 5226, 5238, 5244                     |
| 7359                                | $D_8 \times S_3$        | 48    | 2494800 | 9166, 9173, 9500, 9182, 9370, 9499, 9501, 9864 (3)   | 1929, 3386, 4398, 5235, 5239, 5245                           |
| 7360                                | $Q_8 : S_3$             | 48    | 2494800 | 9185, 9641 (3), 10254 (4)  | 1931 (2), 3616, 4111 (2), 5251, 5488, 5491                   |
| 7361                                | $Q_8 : S_3$             | 48    | 415800  | 9185, 9694 (3), 10341 (4)  | 1932 (4), 3620, 4113 (4), 5251 (6), 5494 (3)                 |
| 7362                                | $Q_8 : 6$               | 48    | 2494800 | 9185, 9695, 10296 (4)  | 1933 (2), 3624, 4112 (2), 5251, 5491, 5513                   |
| 7363                                | $D_8 \times S_3$        | 48    | 1247400 | 9189, 9315, 9187, 9145, 9186, 9190, 9188, 9670 (3)   | 1943 (4), 3137 (2), 3397, 4126 (2), 5227 (2), 5339, 5543 (2) |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7364                                | $2^3 \cdot S_3$        | 48    | 311850  | 9277, 9677 (3), 10282 (4)                          | 1946 (4), 5187 (2), 5252, 5255, 5256, 5274 (2), 5279 (2), 5280 (2), 5637, 5671, 5725, 5734, 5759 (2), 5760 (2), 5766 (2), 5767 (2) |
| 7365                                | $A_4 \times 2 \cdot 2$ | 48    | 311850  | 9277, 9678, 10283 (4)                              | 1949 (4), 5189 (2), 5253, 5254, 5255, 5265 (2), 5284 (2), 5289 (2), 5643, 5674, 5709, 5733, 5763 (2), 5764 (2), 5765 (2), 5767 (2) |
| 7366                                | $D_8 \times S_3$       | 48    | 831600  | 9204, 9194, 9193, 9145, 9191, 9346, 9206, 9697 (3) | 1964 (2), 3398 (3), 4116, 4196 (3), 5227 (3), 5236, 5506 (3)   |
| 7367                                | $2 \times 4 : S_3$     | 48    | 2494800 | 9146, 9188, 9218, 9191, 9196, 9412, 9195, 9698 (3) | 1965 (2), 3399, 4115, 4387, 5227, 5238, 5505   |
| 7368                                | $D_8 \times S_3$       | 48    | 2494800 | 9350, 9222, 9217, 9192, 9193, 9315, 9195, 9698 (3) | 1968 (2), 3400, 3946 (2), 4115, 4147, 4262, 5227, 5244, 5405   |
| 7369                                | $D_8 \times 6$         | 48    | 2494800 | 9194, 9187, 9196, 9360, 9223, 9413, 9192, 9697     | 1969 (2), 3401, 3947 (2), 4116, 4223, 4290, 5227, 5247, 5406   |
| 7370                                | $A_4 \times 2 \cdot 2$ | 48    | 623700  | 9277, 9703, 10284 (4)                              | 1975 (2), 3044 (2), 3064 (4), 4146 (2), 5187, 5198, 5257, 5258, 5259, 5260, 5264, 5265, 5322, 5342, 5370, 5670, 5693, 5726, 5735   |
| 7371                                | $A_4 \times 2 \cdot 2$ | 48    | 623700  | 9278, 9711, 10285 (4)                              | 1983 (2), 3045 (2), 5188, 5261, 5262, 5263, 5266, 5267, 5268, 5319, 5341, 5367, 5369, 5498, 5692, 5728, 5736                       |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7372                                | $D_8 \times S_3$   | 48    | 831600  | 9334, 9205, 9345, 9198, 9197, 9207, 9199, 9712 (3) | 1984 (2), 3402 (3), 4123, 5228 (3), 5382, 5402 (3)   |
| 7373                                | $D_8 \times 6$     | 48    | 2494800 | 9414, 9202, 9200, 9239, 9198, 9225, 9219, 9712     | 1985 (2), 3403, 4123, 5228, 5379, 5401   |
| 7374                                | $D_8 \times S_3$   | 48    | 2494800 | 9415, 9199, 9220, 9375, 9226, 9201, 9200, 9713 (3) | 1986 (2), 3404, 4122, 5228, 5378, 5398   |
| 7375                                | $2 \times 4 : S_3$ | 48    | 2494800 | 9201, 9221, 9197, 9417, 9416, 9224, 9202, 9713 (3) | 1987 (2), 3405, 4122, 5228, 5403, 5407   |
| 7376                                | $2^3 \cdot S_3$    | 48    | 623700  | 9278, 9730 (3), 10286 (4)                          | 2001 (2), 3046 (2), 5190, 5263, 5270, 5272, 5278, 5286, 5292, 5320, 5351, 5355, 5368, 5516, 5705, 5711, 5731                     |
| 7377                                | $2^3 \cdot S_3$    | 48    | 623700  | 9277, 9731 (3), 10287 (4)                          | 2002 (2), 3047 (2), 3082 (4), 4162 (2), 5189, 5200, 5259, 5269, 5271, 5279, 5283, 5288, 5306, 5352, 5356, 5673, 5700, 5703, 5726 |
| 7378                                | $2^3 : S_3$        | 48    | 2494800 | 9239, 9205, 9209, 9216, 9416, 9212, 9226, 9732 (3) | 2010 (2), 3408, 4135, 5172, 5228, 5375   |
| 7379                                | $2^3 : S_3$        | 48    | 2494800 | 9414, 9207, 9210, 9215, 9417, 9212, 9220, 9733 (3) | 2011 (2), 3409, 4136, 5228, 5400, 5450   |
| 7380                                | $D_8 \times S_3$   | 48    | 2494800 | 9219, 9334, 9210, 9216, 9224, 9211, 9415, 9732 (3) | 2012 (2), 3410, 4135, 5228, 5397, 5451   |
| 7381                                | $D_8 \times S_3$   | 48    | 2494800 | 9225, 9345, 9211, 9215, 9375, 9209, 9221, 9733 (3) | 2013 (2), 3411, 4136, 5228, 5377, 5449   |
| 7382                                | $2^3 : S_3$        | 48    | 2494800 | 9190, 9204, 9412, 9360, 9208, 9213, 9222, 9670 (3) | 2014 (2), 3412, 3952 (2), 4126, 4237, 4297, 5227, 5240, 5412   |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7383                                | $D_8 \times S_3$       | 48    | 2494800 | 9350, 9208, 9218, 9223, 9346, 9189, 9214, 9734 (3) | 2015 (2), 3413, 3951 (2), 4125, 4228, 4293, 5227, 5242, 5409                                       |
| 7384                                | $2^3 : S_3$            | 48    | 2494800 | 9146, 9213, 9217, 9413, 9206, 9186, 9214, 9734 (3) | 2016 (2), 3414, 4125, 4376, 5227, 5249, 5441   |
| 7385                                | $Q_8 : S_3$            | 48    | 2494800 | 9233, 9227, 9232, 9641 (3)                         | 2017 (2), 3614, 4111 (2), 5273, 5550, 5584   |
| 7386                                | $Q_8 \times S_3$       | 48    | 415800  | 9234 (3), 9235 (3), 9227, 9695 (3)                 | 2018 (4), 3626, 4112 (4), 5273 (6), 5565 (3)   |
| 7387                                | $Q_8 : 6$              | 48    | 2494800 | 9237, 9227, 9236, 9694                             | 2019 (2), 3621, 4113 (2), 5273, 5552, 5584   |
| 7388                                | $D_8 \times S_3$       | 48    | 9979200 | 9230, 9231, 9149, 9371, 9111, 9138, 9229, 9679 (3) | 2020, 3450, 3949, 3972   |
| 7389                                | $2^3 \cdot S_3$        | 48    | 623700  | 9278, 9735 (3), 10288 (4)                          | 2034 (2), 5188, 5275, 5276, 5277, 5278, 5281, 5282, 5499, 5639, 5641, 5672, 5727, 5729, 5737, 5738 |
| 7390                                | $A_4 \times 2 \cdot 2$ | 48    | 623700  | 9278, 9736, 10289 (4)                              | 2043 (2), 5190, 5268, 5277, 5285, 5287, 5290, 5291, 5517, 5645, 5648, 5675, 5704, 5710, 5730, 5732 |
| 7391                                | $D_8 \times S_3$       | 48    | 2494800 | 9411 (2), 9238 (2), 9232, 9236, 9234, 9715 (3)     | 2057 (2), 3697, 5174, 5273, 5573   |
| 7392                                | $8 \times S_3$         | 48    | 2494800 | 9233, 9234, 9237, 9714 (3)                         | 2058 (2), 3698, 5174, 5273, 5579   |
| 7393                                | $8 : S_3$              | 48    | 2494800 | 9235, 9232, 9237, 9716 (3)                         | 2059 (2), 3769, 5273, 5578, 5583   |
| 7394                                | $D_8 \cdot S_3$        | 48    | 2494800 | 9233, 9235, 9236, 9717 (3)                         | 2060 (2), 3770, 5273, 5581, 5583   |
| 7395                                | $D_8 \times 6$         | 48    | 2494800 | 9241, 9243, 9244, 9239, 9240, 9250, 9242, 9782     | 2425 (4), 3596, 4137, 4276, 5172, 5237, 5401   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                     | Minimal Overgroups  |
| 7396                                | $2^3 : S_3$             | 48    | 1663200 | 9422, 9245, 9425, 9827 (3), 10274 (4) | 2427, 3592 (3), 3940, 4138 (3), 4139, 5294 (3)  |
| 7397                                | $2^3 : S_3$             | 48    | 2494800 | 9302, 9287, 9245, 9797 (3), 10263 (4) | 2428, 3048 (2), 3636, 3941, 4044 (2), 5293, 5294, 5295  |
| 7398                                | $A_4 \times 2 \times 2$ | 48    | 2494800 | 9261, 9246, 9264, 9781, 10296 (4)     | 2429 (2), 3611, 3624, 4140 (2), 5299, 5380, 5438  |
| 7399                                | $2^3 \times S_3$        | 48    | 59400   | 9439 (7), 9436 (7), 9247, 9781 (3)    | 2430 (8), 3420, 4140 (28), 5408 (21)  |
| 7400                                | $2^3 : S_3$             | 48    | 2494800 | 9261, 9249, 9263, 9865 (3), 10342 (4) | 2431 (2), 3610, 4141 (2), 5298, 5380, 5439  |
| 7401                                | $2^3 : S_3$             | 48    | 1247400 | 9255, 9444, 9249, 9866 (3), 10343 (4) | 2432 (2), 3634, 5296, 5298, 5300, 5381, 5437, 5443, 5446  |
| 7402                                | $A_4 \times 2 \times 2$ | 48    | 1247400 | 9246, 9444, 9256, 9783, 10344 (4)     | 2433 (2), 3635, 3760, 5297, 5299, 5301, 5381, 5436, 5444, 5447  |
| 7403                                | $2^3 : S_3$             | 48    | 207900  | 9252, 9251, 9253, 9782 (3), 10306 (4) | 2434 (16), 3049 (2), 3130 (12), 4137 (4), 4156 (4), 4172 (6), 4229 (12), 5195 (3), 5209, 5344 (6), 5585 (6), 5667 (3) |
| 7404                                | $2^3 : S_3$             | 48    | 4989600 | 9257, 9258, 9260, 9867 (3), 10252 (4) | 3016 (2), 3311, 3456, 3580, 5176  |
| 7405                                | $2^3 : S_3$             | 48    | 1247400 | 9256, 9259, 9255, 9868 (3), 10278 (4) | 3017 (4), 3579, 5175 (2), 5304 (2), 5381  |
| 7406                                | $2^3 : S_3$             | 48    | 2494800 | 9263, 9259, 9264, 9869 (3), 10276 (4) | 3018 (2), 3581, 4202 (2), 5304, 5380, 5442  |
| 7407                                | $2^3 : S_3$             | 48    | 2494800 | 9262, 9259, 9261, 9870 (3), 10274 (4) | 3019 (2), 3592, 4201 (2), 5304, 5380, 5440  |
| 7408                                | $A_4 \times 2 \times 2$ | 48    | 2494800 | 9261, 9264, 9256, 9871, 10345 (4)     | 3020 (2), 3583, 5299, 5304, 5439  |
| 7409                                | $2^3 : S_3$             | 48    | 2494800 | 9261, 9263, 9255, 9872 (3), 10346 (4) | 3021 (2), 3582, 5298, 5304, 5438  |
| 7410                                | $2^3 : S_3$             | 48    | 2494800 | 9255, 9262, 9264, 9873 (3), 10347 (4) | 3022 (2), 3585, 5304, 5438, 5443  |
| 7411                                | $2^3 : S_3$             | 48    | 2494800 | 9256, 9262, 9263, 9874 (3), 10348 (4) | 3023 (2), 3584, 5304, 5439, 5444  |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7412                                | $2^3 \cdot S_3$         | 48    | 4989600 | 9265, 9875 (3), 10290 (4)                          | 3029 (2), 3464, 5394   |
| 7413                                | $2^3 \cdot S_3$         | 48    | 103950  | 9277, 9791 (3), 10313 (4)                          | 3050 (8), 3072 (4), 4142 (4), 5198 (6), 5305, 5306 (6), 5323, 5332, 5345 (6), 5371 (6), 5671 (3), 5696 (3), 5733 (3), 5742 (3) |
| 7414                                | $2^3 \cdot S_3$         | 48    | 415800  | 9268 (3), 9290 (3), 9286, 9703 (3)                 | 3051 (2), 3686, 4146, 5307 (3), 5308 (3), 5309, 5429, 5465 (3), 5476 (3), 5484   |
| 7415                                | $2^3 \cdot S_3$         | 48    | 1247400 | 9267 (2), 9268, 9213 (2), 9291, 9292, 9704 (3)     | 3052 (2), 3717, 4100 (2), 5225, 5308, 5312, 5412, 5441, 5535, 5561   |
| 7416                                | $2 \times 4 \times S_3$ | 48    | 1247400 | 9294, 9189, 9268, 9266, 9293, 9269, 9295, 9788 (3) | 3053 (2), 3117 (2), 3716, 4102 (2), 5225, 5309, 5311, 5339, 5359, 5409, 5545   |
| 7417                                | $2 \times 4 \cdot S_3$  | 48    | 623700  | 9296, 9268 (2), 9789 (3)                           | 3054 (4), 3783, 5307 (2), 5311, 5312 (2), 5527, 5549 (2), 5562, 5577 (2)   |
| 7418                                | $2 \times 4 \cdot S_3$  | 48    | 1247400 | 9297, 9295, 9268, 9707 (3)                         | 3055 (2), 3115 (2), 3785, 5308, 5310, 5311, 5340, 5360, 5537, 5557   |
| 7419                                | $2 \times 4 \times S_3$ | 48    | 1247400 | 9268, 9269 (2), 9299 (2), 9298, 9300, 9790 (3)     | 3056 (2), 3790, 5309, 5310, 5312, 5448, 5544, 5553, 5560   |
| 7420                                | $2^3 : S_3$             | 48    | 623700  | 9270 (2), 9278, 9853 (3), 10349 (4)                | 3057 (2), 4057 (4), 5177, 5261, 5272, 5276, 5290, 5313, 5314, 5315, 5324, 5329, 5489, 5598, 5656, 5681, 5686                   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                              | Minimal Overgroups   |
| 7421                                | $2^3 : S_3$             | 48    | 207900  | 9270, 9276, 9274, 9876 (3), 10350 (4)          | 3058 (2), 4143 (4), 4148 (4), 5180, 5314 (6), 5318 (3), 5410 (6), 5666 (3)   |
| 7422                                | $2^3 : S_3$             | 48    | 1247400 | 9279, 9270, 9276, 9698 (3), 10342 (4)          | 3059 (2), 4144 (2), 4147 (2), 5182, 5314, 5315, 5317, 5411, 5492, 5660   |
| 7423                                | $2^3 : S_3$             | 48    | 623700  | 9284, 9278, 9270, 9699 (3), 10343 (4)          | 3060 (2), 5183, 5313, 5316, 5317, 5318, 5319, 5320, 5321, 5388, 5657, 5659, 5665, 5672, 5675, 5676   |
| 7424                                | $2^3 : S_3$             | 48    | 623700  | 9285, 9270, 9279, 9877 (3), 10351 (4)          | 3061 (2), 5185, 5315 (2), 5318, 5321 (2), 5490 (2), 5664, 5677 (2)   |
| 7425                                | $2 \times 4 \times S_3$ | 48    | 1247400 | 9294, 9292, 9193 (2), 9271, 9273 (2), 9787 (3) | 3062 (2), 3718, 4101 (2), 5225, 5337, 5359, 5405, 5506, 5531, 5571   |
| 7426                                | $2^2 \times 12$         | 48    | 1247400 | 9291, 9196 (2), 9272 (2), 9295, 9271, 9786     | 3063 (2), 3719, 4103 (2), 5225, 5338, 5360, 5406, 5505, 5548, 5569   |
| 7427                                | $A_4 \times 2 \times 2$ | 48    | 207900  | 9278 (3), 9834, 10301 (4)                      | 3065 (2), 4149, 5191, 5316, 5324 (3), 5326 (3), 5327, 5341 (3), 5351 (3), 5354, 5452, 5608 (3), 5611 (3), 5615, 5639 (3), 5645 (3), 5646       |
| 7428                                | $A_4 \times 2 \times 2$ | 48    | 34650   | 9277 (3), 9878, 10326 (4)                      | 3066 (4), 4150, 4166 (4), 4167 (8), 5192 (6), 5323 (3), 5325 (3), 5328, 5342 (18), 5352 (18), 5353 (6), 5635 (3), 5637 (9), 5642 (3), 5643 (9) |

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| Nr.                                 | Structure               | Order | Length | Maximal Subgroups                     | Minimal Overgroups  |
| 7429                                | $A_4 \times 2 \times 2$ | 48    | 623700 | 9276 (2), 9278, 9835, 10302 (4)       | 3067 (2), 4060 (4), 5193, 5262, 5270, 5282, 5285, 5314, 5317, 5326, 5333, 5357, 5389, 5514, 5682, 5690, 5712  |
| 7430                                | $A_4 \times 2 \times 2$ | 48    | 103950 | 9275 (2), 9277, 9848, 10330 (4)       | 3068 (4), 4055 (8), 4170 (4), 5179, 5194 (6), 5253 (3), 5256 (3), 5260 (6), 5269 (6), 5325, 5332, 5358 (6), 5663 (3), 5668 (3)                      |
| 7431                                | $2^3 : S_3$             | 48    | 623700 | 9279, 9274, 9278, 9801 (3), 10319 (4) | 3069 (2), 3081 (4), 4061 (4), 4062 (4), 5196, 5263, 5277, 5314, 5318, 5327, 5331, 5335, 5343, 5347, 5390, 5495, 5596, 5684, 5697                    |
| 7432                                | $2^3 : S_3$             | 48    | 103950 | 9280, 9251, 9277, 9792 (3), 10315 (4) | 3070 (4), 3077 (8), 4053 (8), 4054 (24), 4165 (4), 5179, 5195 (6), 5255 (3), 5259 (6), 5305, 5328, 5344 (6), 5348 (6), 5593 (3), 5667 (3), 5669 (3) |
| 7433                                | $2^3 \cdot S_3$         | 48    | 623700 | 9278, 9799 (3), 10318 (4)             | 3071 (2), 3079 (4), 5197, 5250, 5319, 5324, 5331, 5333, 5336, 5346, 5368, 5372, 5499, 5689, 5695, 5732, 5739  |
| 7434                                | $A_4 \times 2 \cdot 2$  | 48    | 103950 | 9277, 9793, 10316 (4)                 | 3073 (4), 3078 (8), 4164 (4), 5200 (6), 5305, 5322 (6), 5325, 5330, 5349 (6), 5363 (6), 5674 (3), 5699 (3), 5717 (3), 5725 (3)                      |

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| Nr.                                 | Structure               | Order | Length | Maximal Subgroups                      | Minimal Overgroups  |
| 7435                                | $A_4 \times 2 \cdot 2$  | 48    | 623700 | 9278, 9800, 10303 (4)                  | 3074 (2), 3080 (4),<br>5199, 5320, 5326,<br>5329, 5331, 5334,<br>5350, 5364, 5367,<br>5517, 5683, 5688,<br>5701, 5714, 5729                                     |
| 7436                                | $2^3 : S_3$             | 48    | 623700 | 9278, 9279 (2), 9879<br>(3), 10352 (4) | 3075 (2), 5202, 5321,<br>5327, 5329, 5333,<br>5355, 5366, 5369,<br>5502, 5685, 5687,<br>5691, 5710, 5722,<br>5737   |
| 7437                                | $2^3 : S_3$             | 48    | 103950 | 9277, 9280 (2), 9880<br>(3), 10335 (4) | 3076 (4), 4174 (4),<br>5201 (6), 5328, 5330,<br>5332, 5356 (6), 5365<br>(6), 5370 (6), 5680<br>(3), 5709 (3), 5718<br>(3), 5734 (3)                             |
| 7438                                | $A_4 \times 2 \times 2$ | 48    | 623700 | 9275, 9277, 9253,<br>9802, 10317 (4)   | 3083 (4), 3124 (2),<br>4065 (4), 4066 (4),<br>4163 (2), 5181, 5195,<br>5215, 5265, 5279,<br>5306, 5322, 5353,<br>5358, 5365, 5592,<br>5594, 5606, 5661,<br>5663 |
| 7439                                | $A_4 \times 2 \cdot 2$  | 48    | 623700 | 9278, 9785, 10298 (4)                  | 3084 (4), 5197, 5334,<br>5335, 5498, 5608,<br>5609, 5672, 5681,<br>5690, 5691, 5694,<br>5730, 5731, 5740,<br>5741   |
| 7440                                | $2^3 \cdot S_3$         | 48    | 623700 | 9278, 9803 (3), 10320<br>(4)           | 3085 (4), 5199, 5335,<br>5336, 5516, 5611,<br>5613, 5675, 5682,<br>5686, 5687, 5702,<br>5715, 5716, 5727,<br>5728   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7441                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 9278, 9310, 9309,<br>9804, 10297 (4)                     | 3086 (4), 4071 (4),<br>4072 (4), 5196, 5268,<br>5278, 5334, 5336,<br>5389, 5493, 5595,<br>5597, 5598, 5615,<br>5617, 5665, 5685,<br>5698 |
| 7442                                | $2 \times 12 : 2$       | 48    | 1247400 | 9296, 9286, 9271,<br>9791                                | 3087 (2), 3687, 4142,<br>5307, 5337, 5338,<br>5430, 5464, 5477,<br>5485  |
| 7443                                | $2^3 : S_3$             | 48    | 1247400 | 9186, 9147, 9303,<br>9301, 9313, 9286,<br>9268, 9797 (3) | 3088 (2), 3637, 3941,<br>4074 (2), 5221, 5307,<br>5339, 5340, 5429,<br>5441, 5448  |
| 7444                                | $2^3 : S_3$             | 48    | 623700  | 9284 (2), 9278, 9737<br>(3), 10353 (4)                   | 3089 (2), 4058 (4),<br>5204, 5261, 5270,<br>5275, 5287, 5316,<br>5343, 5346, 5364,<br>5366, 5507, 5597,<br>5694, 5716, 5720              |
| 7445                                | $2^3 : S_3$             | 48    | 623700  | 9252 (2), 9277, 9846<br>(3), 10354 (4)                   | 3090 (2), 4051 (4),<br>4168 (2), 5192, 5203,<br>5257, 5269, 5274,<br>5284, 5344, 5345,<br>5363, 5365, 5592,<br>5658, 5693, 5703,<br>5708 |
| 7446                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 9253 (2), 9277, 9847,<br>10355 (4)                       | 3091 (2), 4056 (4),<br>4176 (2), 5201, 5205,<br>5260, 5271, 5280,<br>5289, 5344, 5349,<br>5353, 5371, 5594,<br>5679, 5700, 5708,<br>5735 |
| 7447                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 9285 (2), 9278, 9854,<br>10356 (4)                       | 3092 (2), 4059 (4),<br>5206, 5262, 5272,<br>5281, 5291, 5321,<br>5343, 5350, 5354,<br>5372, 5504, 5595,<br>5702, 5706, 5740              |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7448                                | $A_4 \times 2 \times 2$ | 48    | 207900  | 9277 (3), 9834, 10357 (4)  | 3093 (2), 4039 (6), 4149, 5178, 5207, 5258 (3), 5274 (3), 5288 (3), 5289 (3), 5342 (3), 5345 (3), 5348, 5349 (3), 5356 (3), 5358, 5606, 5632, 5644 |
| 7449                                | $A_4 \times 2 \times 2$ | 48    | 207900  | 9278 (3), 9881, 10358 (4)  | 3094 (2), 4154, 5208, 5313, 5341 (3), 5346 (3), 5347, 5350 (3), 5355 (3), 5357, 5383, 5609 (3), 5613 (3), 5617, 5641 (3), 5647, 5648 (3)           |
| 7450                                | $2^3 : S_3$             | 48    | 207900  | 9285, 9274, 9284, 9882 (3), 10359 (4)                              | 3095 (2), 4155 (4), 4157 (4), 5210, 5318 (3), 5343 (6), 5496 (3), 5629 (6)   |
| 7451                                | $2^3 : S_3$             | 48    | 1247400 | 9284, 9285, 9279, 9883 (3), 10360 (4)                              | 3096 (2), 4159 (2), 4161 (2), 5212, 5321, 5343, 5366, 5503, 5630, 5724   |
| 7452                                | $2^3 : S_3$             | 48    | 1247400 | 9253, 9280, 9252, 9884 (3), 10361 (4)                              | 3097 (2), 4158 (2), 4160 (2), 4175 (2), 5201, 5211, 5344, 5365, 5618, 5678, 5719   |
| 7453                                | $2^3 \cdot S_3$         | 48    | 1247400 | 9292, 9297, 9286, 9731 (3)   | 3098 (2), 3683, 4162, 5308, 5337, 5340, 5427, 5475, 5478, 5479   |
| 7454                                | $2^3 \cdot S_3$         | 48    | 2494800 | 9287, 9731 (3), 10320 (4)  | 3099 (2), 3682, 4162, 5295, 5422, 5473   |
| 7455                                | $2^3 \times S_3$        | 48    | 415800  | 9294 (3), 9300 (3), 9314 (3), 9304, 9286, 9315 (3), 9307, 9802 (3) | 3100 (2), 3648, 4082 (2), 4163, 5223, 5309, 5337 (3), 5339 (3), 5405 (3), 5431, 5482 (3)   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 7456                                | $2^2 \times 12$         | 48    | 415800  | 9295 (3), 9298 (3),<br>9286, 9793                        | 3101 (2), 3690, 4164,<br>5309, 5338 (3), 5340<br>(3), 5434, 5472 (3),<br>5486, 5487 (3) |
| 7457                                | $A_4 \times 2 \cdot 2$  | 48    | 831600  | 9287, 9793, 10303 (4)                                    | 3102 (2), 3691, 4164,<br>5295 (3), 5432, 5470<br>(3)                                    |
| 7458                                | $D_8 \times 6$          | 48    | 1247400 | 9286, 9295, 9187,<br>9291, 9305, 9306,<br>9316, 9792     | 3103 (2), 3649, 4085<br>(2), 4165, 5222,<br>5308, 5338, 5339,<br>5406, 5434, 5483       |
| 7459                                | $2^3 : S_3$             | 48    | 4989600 | 9289, 9288, 9134,<br>9779 (3), 10339 (4)                 | 3104 (2), 3654, 5213  |
| 7460                                | $2 \times 4 : S_3$      | 48    | 1247400 | 9290, 9296, 9147,<br>9799 (3)                            | 3105 (2), 3784, 5307,<br>5361, 5362, 5464,<br>5526, 5559, 5563                          |
| 7461                                | $2 \times 4 \cdot S_3$  | 48    | 1247400 | 9290, 9268, 9271,<br>9706 (3)                            | 3106 (2), 3782, 5307,<br>5359, 5360, 5465,<br>5525, 5560, 5561                          |
| 7462                                | $2^3 \cdot S_3$         | 48    | 1247400 | 9297, 9290, 9291,<br>9725 (3)                            | 3107 (2), 3802, 5308,<br>5360, 5361, 5475,<br>5536, 5574, 5575                          |
| 7463                                | $2 \times 4 \cdot S_3$  | 48    | 1247400 | 9290, 9295, 9292,<br>9760 (3)                            | 3108 (2), 3798, 5308,<br>5359, 5362, 5472,<br>5538, 5569, 5572                          |
| 7464                                | $2 \times 4 \times S_3$ | 48    | 1247400 | 9189 (2), 9298, 9294,<br>9299 (2), 9290, 9805<br>(3)     | 3109 (2), 3812, 5309,<br>5359, 5361, 5482,<br>5543, 5570, 5571                          |
| 7465                                | $2 \times 4 \times S_3$ | 48    | 1247400 | 9293 (2), 9295, 9299<br>(2), 9300, 9290, 9798<br>(3)     | 3110 (2), 3818, 5309,<br>5360, 5362, 5483,<br>5542, 5566, 5572                          |
| 7466                                | $2 \times 4 : S_3$      | 48    | 1247400 | 9297, 9300, 9271,<br>9726 (3)                            | 3111 (2), 3805, 5310,<br>5337, 5360, 5479,<br>5533, 5556, 5574                          |
| 7467                                | $2 \times 4 : S_3$      | 48    | 1247400 | 9298, 9297, 9147,<br>9803 (3)                            | 3112 (2), 3787, 5310,<br>5340, 5361, 5478,<br>5536, 5554, 5556                          |
| 7468                                | $2 \times 4 : S_3$      | 48    | 1247400 | 9300, 9295, 9188,<br>9147, 9317, 9318,<br>9319, 9801 (3) | 3113 (2), 3711, 4098<br>(2), 5224, 5310,<br>5339, 5362, 5486,<br>5505, 5542             |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7469                                | $2 \times 12 \cdot 2$   | 48    | 1247400 | 9298, 9295, 9271, 9794                             | 3114 (2), 3820, 5310, 5338, 5359, 5487, 5548, 5558, 5566   |
| 7470                                | $2 \times 4 \times S_3$ | 48    | 623700  | 9234 (2), 9297, 9294, 9320 (2), 9296, 9806 (3)     | 3116 (4), 3803, 5311, 5337 (2), 5361 (2), 5532, 5565 (2), 5573, 5579 (2)   |
| 7471                                | $4 \times 12$           | 48    | 623700  | 9296, 9295 (2), 9795                               | 3118 (4), 3819, 5311, 5338 (2), 5362 (2), 5546, 5551 (2), 5568, 5582 (2)   |
| 7472                                | $2 \times 4 : S_3$      | 48    | 1247400 | 9296, 9300, 9292, 9808 (3)                         | 3119 (2), 3804, 5312, 5337, 5362, 5477, 5534, 5563, 5567   |
| 7473                                | $2 \times 12 : 2$       | 48    | 1247400 | 9298, 9296, 9291, 9796                             | 3120 (2), 3821, 5312, 5338, 5361, 5485, 5547, 5559, 5567   |
| 7474                                | $2^3 : S_3$             | 48    | 1247400 | 9300, 9268, 9190, 9291, 9321, 9322, 9323, 9705 (3) | 3121 (2), 3722, 4106 (2), 5226, 5312, 5339, 5360, 5412, 5484, 5544   |
| 7475                                | $2 \times 4 \cdot S_3$  | 48    | 1247400 | 9298, 9268, 9292, 9807 (3)                         | 3122 (2), 3786, 5312, 5340, 5359, 5476, 5535, 5553, 5555   |
| 7476                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 9285, 9278, 9276, 9885, 10362 (4)                  | 3123 (2), 5214, 5315, 5318, 5354, 5357, 5366, 5367, 5368, 5392, 5493, 5707, 5713, 5723, 5727, 5730                     |
| 7477                                | $2^3 : S_3$             | 48    | 623700  | 9280 (2), 9277, 9856 (3), 10363 (4)                | 3125 (2), 4064 (4), 4171 (2), 5181, 5194, 5217, 5264, 5280, 5283, 5284, 5348, 5352, 5363, 5370, 5371, 5644, 5661, 5662 |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7478                                | $2^3 : S_3$      | 48    | 623700  | 9279 (2), 9278, 9750 (3), 10364 (4)                | 3126 (2), 5216, 5315, 5317, 5347, 5351, 5364, 5369, 5372, 5391, 5515, 5698, 5704, 5715, 5738, 5741         |
| 7479                                | $2^3 : S_3$      | 48    | 623700  | 9275, 9280, 9252, 9811 (3), 10323 (4)              | 3127 (2), 3129 (4), 4169 (4), 4173 (2), 4227 (4), 5194 (2), 5195, 5219, 5365 (2), 5618 (2), 5661 (2), 5668 |
| 7480                                | $2^3 : S_3$      | 48    | 623700  | 9276, 9279, 9284, 9683 (3), 10346 (4)              | 3128 (2), 5218, 5317 (2), 5318, 5366 (2), 5497, 5512 (2), 5721 (2)   |
| 7481                                | $D_8 \times S_3$ | 48    | 1247400 | 9148, 9188, 9304, 9301, 9323, 9305, 9269, 9809 (3) | 3131 (2), 3638, 3942, 4247 (2), 5238 (2), 5339, 5448 (2)   |
| 7482                                | $D_8 \times S_3$ | 48    | 83160   | 9307, 9266, 9322, 9145, 9301, 9306, 9318, 9810 (3) | 3132 (6), 3429 (5), 3939, 4194 (10), 5236 (10), 5339 (15)  |
| 7483                                | $D_8 \times S_3$ | 48    | 1247400 | 9312, 9189, 9303, 9307, 9321, 9305, 9317, 9811 (3) | 3133 (2), 3660, 4173, 4283 (4), 4284 (2), 5242 (2), 5339, 5482 (2)   |
| 7484                                | $D_8 \times S_3$ | 48    | 1247400 | 9311, 9190, 9303, 9306, 9293, 9304, 9319, 9782 (3) | 3134 (2), 3661, 4172, 4285 (2), 5240 (2), 5339, 5483 (2)   |
| 7485                                | $2^3 : S_3$      | 48    | 623700  | 9274, 9309, 9308, 9812 (3), 10324 (4)              | 3135 (4), 4231 (4), 4235 (4), 5196, 5410 (2), 5496, 5629 (2), 5666, 5684 (2), 5697 (2)                     |
| 7486                                | $2^3 : S_3$      | 48    | 623700  | 9308, 9310, 9279, 9670 (3), 10325 (4)              | 3136 (4), 4233 (4), 4237 (4), 5196, 5411 (2), 5497, 5630 (2), 5664, 5685 (2), 5698 (2)                     |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7487                                | $D_8 \times S_3$ | 48    | 1247400 | 9186, 9148, 9293, 9318, 9314, 9316, 9321, 9812 (3)                 | 3138 (2), 3758, 4372 (2), 5249 (2), 5339, 5542 (2)           |
| 7488                                | $D_8 \times S_3$ | 48    | 1247400 | 9187, 9311, 9313, 9322, 9317, 9269, 9314, 9813 (3)                 | 3139 (2), 3750, 4374 (2), 5247 (2), 5339, 5544 (2)           |
| 7489                                | $D_8 \times S_3$ | 48    | 1247400 | 9315, 9312, 9319, 9266, 9313, 9316, 9323, 9814 (3)                 | 3140 (2), 3741, 4373 (2), 5244 (2), 5339, 5545 (2)           |
| 7490                                | $2^3 : S_3$      | 48    | 2494800 | 9372, 9348, 9384, 9447, 9209, 9324, 9407, 9886 (3)                 | 3390, 4225, 4299, 5230, 5375, 5377                           |
| 7491                                | $2^3 : S_3$      | 48    | 4989600 | 9120, 9374, 9420, 9886 (3), 10262 (4)                              | 3391, 4225, 4298, 5374                                       |
| 7492                                | $D_8 \times S_3$ | 48    | 2494800 | 9471, 9468, 9324, 9113, 9385, 9200, 9337, 9887 (3)                 | 3392, 4399, 5230, 5378, 5379                                 |
| 7493                                | $2^3 : S_3$      | 48    | 2494800 | 9463, 9283, 9465, 9239, 9397, 9324, 9342, 9888 (3)                 | 3393, 4408, 5237, 5375, 5379                                 |
| 7494                                | $D_8 \times S_3$ | 48    | 2494800 | 9242, 9281, 9466, 9396, 9324, 9375, 9462, 9889 (3)                 | 3394, 4407, 5237, 5377, 5378                                 |
| 7495                                | $D_8 \times S_3$ | 48    | 2494800 | 9399, 9478, 9225, 9324, 9370, 9376, 9494, 9890 (3)                 | 3395, 4425, 5239, 5377, 5379                                 |
| 7496                                | $2^3 : S_3$      | 48    | 2494800 | 9398, 9479, 9226, 9324, 9499, 9377, 9366, 9891 (3)                 | 3396, 4426, 5239, 5375, 5378                                 |
| 7497                                | $2^3 : S_3$      | 48    | 415800  | 9246, 9259, 9249, 9892 (3), 10271 (4)                              | 3415, 3416, 4182 (4), 5380 (6), 5381 (3)                     |
| 7498                                | $D_8 \times S_3$ | 48    | 831600  | 9330, 9326, 9250, 9328, 9353, 9205, 9362, 9893 (3)                 | 3418 (6), 3424 (3), 3968, 4183, 5172 (3), 5231 (3), 5382     |
| 7499                                | $D_8 \times 6$   | 48    | 2494800 | 9327, 9331, 9219, 9329, 9380, 9250, 9395, 9893                     | 3419 (2), 3513, 3514 (2), 3968, 4184, 5231, 5397, 5401       |
| 7500                                | $2^3 \times S_3$ | 48    | 277200  | 9328 (3), 9335 (3), 9359, 9334 (3), 9349, 9333, 9336 (3), 9894 (3) | 3422 (3), 4188, 4319, 4320 (2), 5229 (3), 5382 (3), 5451 (9) |

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| Nr.                                 | Structure               | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 7501                                | $D_8 \times S_3$        | 48    | 831600 | 9333, 9348, 9197,<br>9343, 9326, 9337,<br>9339, 9828 (3)                    | 3423 (3), 4007, 4008,<br>4253, 5230 (3), 5382,<br>5407 (3)                        |
| 7502                                | $2^3 \times S_3$        | 48    | 277200 | 9336 (3), 9364 (3),<br>9345 (3), 9338 (3),<br>9326, 9356, 9340,<br>9895 (3) | 3425 (3), 4186, 4317,<br>4318 (2), 5232 (3),<br>5382 (3), 5449 (9)                |
| 7503                                | $D_8 \times S_3$        | 48    | 831600 | 9330, 9338, 9207,<br>9333, 9352, 9341,<br>9357, 9896 (3)                    | 3426 (3), 4190, 4321,<br>5233 (3), 5382, 5450<br>(3)                              |
| 7504                                | $2 \times 4 \times S_3$ | 48    | 831600 | 9366, 9365, 9199,<br>9336, 9337, 9281,<br>9330, 9897 (3)                    | 3427 (3), 4404, 5234<br>(3), 5378 (3), 5382                                       |
| 7505                                | $D_8 \times S_3$        | 48    | 831600 | 9337, 9338, 9198,<br>9328, 9370, 9342,<br>9367, 9898 (3)                    | 3428 (3), 4406, 5235<br>(3), 5379 (3), 5382                                       |
| 7506                                | $D_8 \times S_3$        | 48    | 831600 | 9340, 9281, 9342,<br>9334, 9339, 9250,<br>9341, 9782 (3)                    | 3430 (3), 4156, 4276,<br>5237 (3), 5382, 5397<br>(3)                              |
| 7507                                | $2^3 : S_3$             | 48    | 831600 | 9146, 9206, 9355,<br>9301, 9369, 9354,<br>9267, 9827 (3)                    | 3431 (3), 3940, 4193<br>(3), 4248, 5236, 5238<br>(3), 5441 (3)                    |
| 7508                                | $2^3 : S_3$             | 48    | 831600 | 9356, 9353, 9366,<br>9339, 9207, 9370,<br>9335, 9899 (3)                    | 3432 (3), 4185, 4315,<br>5239 (3), 5382, 5400<br>(3)                              |
| 7509                                | $D_8 \times 6$          | 48    | 831600 | 9360, 9194, 9355,<br>9306, 9351, 9344,<br>9272, 9810                        | 3433 (3), 4001, 4002,<br>4194 (3), 4252, 5236,<br>5240 (3), 5406 (3)              |
| 7510                                | $D_8 \times 6$          | 48    | 831600 | 9359, 9198, 9356,<br>9250, 9352, 9343,<br>9365, 9810                        | 3434 (3), 4009, 4010,<br>4252, 5241 (3), 5382,<br>5401 (3)                        |
| 7511                                | $D_8 \times S_3$        | 48    | 831600 | 9193, 9350, 9344,<br>9307, 9358, 9354,<br>9368, 9827 (3)                    | 3435 (3), 3999, 4000,<br>4138 (6), 4193 (3),<br>4251, 5236, 5242 (3),<br>5405 (3) |
| 7512                                | $D_8 \times S_3$        | 48    | 831600 | 9349, 9199, 9343,<br>9340, 9367, 9353,<br>9357, 9829 (3)                    | 3436 (3), 4011, 4012,<br>4254, 5243 (3), 5382,<br>5398 (3)                        |
| 7513                                | $D_8 \times S_3$        | 48    | 831600 | 9266, 9346, 9351,<br>9350, 9369, 9347,<br>9361, 9876 (3)                    | 3437 (3), 4143, 4195<br>(3), 4263, 5236, 5244<br>(3), 5409 (3)                    |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7514                                | $D_8 \times S_3$        | 48    | 831600  | 9345, 9281, 9352, 9349, 9362, 9348, 9370, 9882 (3)                 | 3438 (3), 4155, 4277, 5245 (3), 5377 (3), 5382   |
| 7515                                | $2^3 : S_3$             | 48    | 831600  | 9205, 9342, 9357, 9359, 9364, 9348, 9366, 9675 (3)                 | 3439 (3), 4191, 4322, 5246 (3), 5375 (3), 5382   |
| 7516                                | $2^3 : S_3$             | 48    | 831600  | 9322, 9204, 9358, 9360, 9267, 9347, 9363, 9697 (3)                 | 3440 (3), 4192, 4196 (3), 4290, 5236, 5247 (3), 5412 (3)   |
| 7517                                | $2 \times 4 : S_3$      | 48    | 831600  | 9364, 9365, 9197, 9335, 9367, 9341, 9362, 9900 (3)                 | 3441 (3), 4405, 5248 (3), 5382, 5403 (3)   |
| 7518                                | $2 \times 4 : S_3$      | 48    | 831600  | 9272, 9363, 9368, 9146, 9318, 9361, 9191, 9876 (3)                 | 3442 (3), 4195 (3), 4371, 5236, 5249 (3), 5505 (3)   |
| 7519                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 9442 (2), 9278, 9815, 10294 (4)                                    | 3443 (2), 4067 (4), 5177, 5250, 5266, 5275, 5291, 5292, 5383, 5388, 5389, 5390, 5391, 5392, 5608, 5687, 5688 |
| 7520                                | $A_4 \times 2 \times 2$ | 48    | 2494800 | 9258 (2), 9373, 9901, 10365 (4)                                    | 3444 (2), 3445, 3446, 3447, 5176, 5393, 5395   |
| 7521                                | $A_4 \times 2 \times 2$ | 48    | 1663200 | 9265 (3), 9902, 10365 (4)  | 3445, 4212, 5394 (3)   |
| 7522                                | $2^3 : S_3$             | 48    | 2494800 | 9257 (2), 9373, 9903 (3), 10252 (4)                                | 3454, 3455, 3456, 5176, 5396, 5404   |
| 7523                                | $A_4 \times 2 \times 2$ | 48    | 2494800 | 9373, 9431 (2), 9904, 10366 (4)                                    | 3457, 3458 (2), 3459, 3460, 5373, 5395, 5396   |
| 7524                                | $A_4 \times 2 \times 2$ | 48    | 1663200 | 9432, 9122, 9374, 9894, 10366 (4)                                  | 3460, 4240, 4320, 5374 (3)   |
| 7525                                | $2^3 \times 6$          | 48    | 831600  | 9402 (3), 9433, 9377 (3), 9239 (3), 9329 (3), 9372, 9359, 9894     | 3461, 4240, 4319, 5229, 5375 (3), 5401 (3)   |
| 7526                                | $2^3 \cdot S_3$         | 48    | 2494800 | 9373, 9905 (3), 10290 (4)  | 3462, 3463, 3464, 5376, 5393, 5396   |
| 7527                                | $2^3 \times S_3$        | 48    | 831600  | 9403 (3), 9389 (3), 9375 (3), 9372, 9450, 9376 (3), 9349, 9906 (3) | 3465, 4238, 4311, 5229, 5377 (3), 5398 (3)   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                     |
| 7528                                | $2^3 \times S_3$        | 48    | 2494800 | 9325 (2), 9472, 9386 (2), 9404 (2), 9377, 9375, 9388, 9336, 9401 (2), 9113, 9484, 9907 (3) | 3466, 4423, 5229, 5378, 5449                           |
| 7529                                | $2^3 : S_3$             | 48    | 9979200 | 9248, 9383, 9378, 9908 (3), 10338 (4)  | 3469, 3470, 3471, 3507, 3508, 4199                     |
| 7530                                | $2^3 : S_3$             | 48    | 4989600 | 9332, 9382, 9379, 9909 (3), 10338 (4)  | 3471 (2), 3509, 3965, 4200, 5399                       |
| 7531                                | $D_8 \times S_3$        | 48    | 2494800 | 9381, 9221, 9390, 9388, 9380, 9326, 9394, 9909 (3)   | 3472 (2), 3645, 3965 (2), 3966, 4198, 5231, 5407, 5449 |
| 7532                                | $2^3 : S_3$             | 48    | 2494800 | 9381, 9220, 9391, 9389, 9353, 9327, 9393, 9909 (3)   | 3474 (2), 3511, 3966, 4200, 5231, 5398, 5400           |
| 7533                                | $2^3 : S_3$             | 48    | 2494800 | 9400, 9210, 9446, 9339, 9407, 9327, 9471, 9817 (3)   | 3485 (2), 3486, 4203, 4301, 5230, 5397, 5400           |
| 7534                                | $2^3 : S_3$             | 48    | 4989600 | 9332, 9419, 9445, 9817 (3), 10253 (4)  | 3487 (2), 3488, 4203, 4302, 5399                       |
| 7535                                | $D_8 \times 6$          | 48    | 2494800 | 9372, 9200, 9343, 9240, 9406, 9327, 9426, 9828   | 3492, 4013, 4014, 4253, 5230, 5398, 5401               |
| 7536                                | $A_4 \times 2 \times 2$ | 48    | 1663200 | 9332, 9254, 9423, 9895, 10308 (4)  | 3494, 4206, 4318, 5399 (3)                             |
| 7537                                | $A_4 \times 2 \times 2$ | 48    | 4989600 | 9392, 9430, 9289, 9910, 10308 (4)  | 3494, 5213   |
| 7538                                | $2^3 \times 6$          | 48    | 831600  | 9402 (3), 9414 (3), 9410 (3), 9488 (3), 9241, 9356, 9327, 9895                             | 3496, 4206, 4317, 5232, 5400 (3), 5401 (3)             |
| 7539                                | $2^3 \times S_3$        | 48    | 831600  | 9403 (3), 9415 (3), 9408 (3), 9487 (3), 9340, 9449, 9327, 9818 (3)                         | 3497 (2), 3498, 4207, 4314, 5232, 5397 (3), 5398 (3)   |
| 7540                                | $D_8 \times S_3$        | 48    | 2494800 | 9390, 9385, 9219, 9328, 9393, 9397, 9399, 9911 (3)   | 3501 (2), 3703, 3983, 5231, 5379, 5451                 |
| 7541                                | $2^3 : S_3$             | 48    | 2494800 | 9391, 9384, 9205, 9329, 9394, 9397, 9398, 9911 (3)   | 3502 (2), 3547, 3983, 5231, 5375, 5402                 |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups  | Minimal Overgroups                     |
| 7542                                | $2 \times 4 : S_3$ | 48    | 2494800 | 9331, 9384, 9221, 9389, 9362, 9396, 9399, 9912 (3)   | 3503 (2), 3548, 3984, 5231, 5377, 5403 |
| 7543                                | $D_8 \times S_3$   | 48    | 2494800 | 9330, 9385, 9220, 9388, 9395, 9396, 9398, 9912 (3)   | 3504 (2), 3704, 3984, 5231, 5378, 5450 |
| 7544                                | $2^3 : S_3$        | 48    | 4989600 | 9288, 9392, 9421, 9913 (3), 10338 (4)  | 3507 (2), 3509, 5213                   |
| 7545                                | $2^3 \times S_3$   | 48    | 2494800 | 9334, 9457 (2), 9387 (2), 9115 (2), 9325 (2), 9452, 9472, 9483, 9403, 9400, 9329, 9816 (3) | 3519 (2), 3520, 4415, 5229, 5397, 5402 |
| 7546                                | $2^3 \times S_3$   | 48    | 2494800 | 9417, 9456 (2), 9387 (2), 9401 (2), 9114 (2), 9484, 9473, 9335, 9402, 9389, 9400, 9907 (3) | 3521, 4423, 5229, 5400, 5403           |
| 7547                                | $2 \times 4 : S_3$ | 48    | 2494800 | 9400, 9197, 9470, 9461, 9384, 9406, 9468, 9887 (3)   | 3522, 4399, 5230, 5402, 5403           |
| 7548                                | $2^3 \times S_3$   | 48    | 2494800 | 9404 (2), 9345, 9409 (2), 9403, 9486, 9440 (2), 9410, 9478, 9384, 9462, 9143 (2), 9914 (3) | 3523, 4418, 5232, 5377, 5402           |
| 7549                                | $2^3 \times S_3$   | 48    | 2494800 | 9405 (2), 9416, 9408, 9402, 9142 (2), 9441 (2), 9409 (2), 9463, 9479, 9384, 9364, 9915 (3) | 3524, 4417, 5232, 5375, 5403           |
| 7550                                | $2^3 : S_3$        | 48    | 2494800 | 9408, 9391, 9226, 9372, 9357, 9465, 9429, 9916 (3)   | 3525, 4243, 4310, 5233, 5375, 5398     |
| 7551                                | $2^3 : S_3$        | 48    | 2494800 | 9410, 9391, 9207, 9400, 9482, 9464, 9476, 9917 (3)   | 3526, 4421, 5233, 5400, 5402           |
| 7552                                | $D_8 \times 6$     | 48    | 2494800 | 9410, 9331, 9225, 9372, 9451, 9242, 9352, 9896   | 3527, 4239, 4321, 5233, 5377, 5401     |
| 7553                                | $2 \times 4 : S_3$ | 48    | 2494800 | 9408, 9331, 9224, 9400, 9481, 9341, 9475, 9819 (3)   | 3528 (2), 3529, 4413, 5233, 5397, 5403 |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7554                                | $2^3 \cdot S_3$         | 48    | 2494800 | 9283, 9212, 9407, 9402, 9489, 9391, 9366, 9918 (3) | 3530, 4420, 5234, 5375, 5400   |
| 7555                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9282, 9199, 9406, 9403, 9490, 9391, 9493, 9919 (3) | 3531, 4403, 5234, 5398, 5402   |
| 7556                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9281, 9211, 9331, 9403, 9494, 9407, 9491, 9820 (3) | 3532 (2), 3533, 4412, 5234, 5377, 5397                                   |
| 7557                                | $2^2 \times 12$         | 48    | 2494800 | 9243, 9202, 9406, 9402, 9365, 9331, 9492, 9897     | 3534, 4404, 5234, 5401, 5403   |
| 7558                                | $2^3 : S_3$             | 48    | 2494800 | 9407, 9408, 9497, 9329, 9342, 9499, 9216, 9821 (3) | 3535 (2), 3536, 4416, 5235, 5375, 5397                                   |
| 7559                                | $2 \times 4 : S_3$      | 48    | 2494800 | 9406, 9408, 9201, 9389, 9501, 9467, 9367, 9920 (3) | 3537, 4402, 5235, 5398, 5403   |
| 7560                                | $D_8 \times 6$          | 48    | 2494800 | 9406, 9410, 9198, 9329, 9500, 9244, 9496, 9898     | 3538, 4406, 5235, 5401, 5402   |
| 7561                                | $2^3 : S_3$             | 48    | 2494800 | 9407, 9410, 9498, 9389, 9466, 9370, 9215, 9921 (3) | 3539, 4424, 5235, 5377, 5400   |
| 7562                                | $2^3 : S_3$             | 48    | 2494800 | 9428 (2), 9373, 9922 (3), 10367 (4)                | 3540, 3541, 3542, 5373, 5393, 5404                                       |
| 7563                                | $2^3 : S_3$             | 48    | 4989600 | 9427, 9374, 9121, 9916 (3), 10367 (4)              | 3540, 4243, 4309, 5374   |
| 7564                                | $2^3 : S_3$             | 48    | 4989600 | 9112 (2), 9265, 9923 (3), 10367 (4)                | 3541, 5394   |
| 7565                                | $A_4 \times 2 \cdot 2$  | 48    | 2494800 | 9373, 9924, 10291 (4)                              | 3543, 3544, 3545, 3546 (2), 5376, 5395, 5404                             |
| 7566                                | $D_8 \times 6$          | 48    | 1247400 | 9344 (2), 9192 (2), 9271, 9443, 9286, 9826         | 3586, 3993, 3994 (2), 4073 (2), 5221, 5405, 5406, 5430, 5465, 5479, 5487 |
| 7567                                | $D_8 \times S_3$        | 48    | 2494800 | 9304, 9354, 9448, 9344, 9195, 9222, 9273, 9809 (3) | 3587, 4003, 4004, 4247, 4250, 5238, 5240, 5405                           |
| 7568                                | $D_8 \times 6$          | 48    | 2494800 | 9305, 9355, 9223, 9344, 9495, 9424, 9196, 9827     | 3588, 4005, 4006, 4139 (2), 4248, 4251, 5238, 5242, 5406                 |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups                                       |
| 7569                                | $D_8 \times S_3$ | 48    | 2494800 | 9381, 9449, 9429, 9343, 9201, 9450, 9490, 9809 (3) | 3589, 4015, 4016, 4250, 5241, 5398, 5407                 |
| 7570                                | $D_8 \times 6$   | 48    | 2494800 | 9433, 9202, 9343, 9241, 9496, 9380, 9451, 9829     | 3590, 4017, 4018, 4254, 5243, 5401, 5407                 |
| 7571                                | $D_8 \times S_3$ | 48    | 1247400 | 9439 (2), 9234, 9502, 9418, 9435 (2), 9865 (3)     | 3591, 4141 (4), 5174 (2), 5408 (2), 5565                 |
| 7572                                | $2^3 : S_3$      | 48    | 1663200 | 9423, 9419, 9379, 9899 (3), 10281 (4)              | 3593 (3), 4185, 4316, 5399 (3)                           |
| 7573                                | $2^3 : S_3$      | 48    | 2494800 | 9267, 9323, 9222, 9347, 9412, 9424, 9477, 9698 (3) | 3594, 4144, 4262, 4387, 5238, 5244, 5412                 |
| 7574                                | $D_8 \times 6$   | 48    | 2494800 | 9424, 9413, 9495, 9272, 9351, 9192, 9316, 9876     | 3595, 4148, 4263, 4371, 5244, 5249, 5406                 |
| 7575                                | $D_8 \times 6$   | 48    | 2494800 | 9433, 9414, 9500, 9243, 9352, 9426, 9395, 9882     | 3597, 4157, 4277, 5245, 5401, 5450                       |
| 7576                                | $D_8 \times S_3$ | 48    | 2494800 | 9381, 9467, 9465, 9375, 9340, 9240, 9282, 9884 (3) | 3598, 4158, 4274, 4275 (2), 5237, 5398, 5449             |
| 7577                                | $D_8 \times S_3$ | 48    | 2494800 | 9349, 9415, 9501, 9282, 9429, 9426, 9393, 9883 (3) | 3599, 4159, 4272, 4273 (2), 5245, 5398, 5451             |
| 7578                                | $2^3 : S_3$      | 48    | 4989600 | 9121, 9432, 9420, 9883 (3), 10368 (4)              | 3600, 4161, 4273, 5374                                   |
| 7579                                | $2^3 : S_3$      | 48    | 1663200 | 9427, 9122, 9420, 9675 (3), 10368 (4)              | 3600 (3), 4191, 4323, 5374 (3)                           |
| 7580                                | $2^3 : S_3$      | 48    | 4989600 | 9260, 9431, 9428, 9925 (3), 10368 (4)              | 3600, 3762, 3763, 5373                                   |
| 7581                                | $2^3 : S_3$      | 48    | 2494800 | 9433, 9416, 9394, 9283, 9348, 9429, 9499, 9883 (3) | 3601, 4161, 4272, 5245, 5375, 5407                       |
| 7582                                | $2^3 : S_3$      | 48    | 4989600 | 9254, 9382, 9419, 9884 (3), 10280 (4)              | 3602, 4160, 4275, 5399                                   |
| 7583                                | $2^3 : S_3$      | 48    | 2494800 | 9381, 9466, 9283, 9417, 9339, 9241, 9464, 9884 (3) | 3603, 4160, 4274, 5237, 5400, 5407                       |
| 7584                                | $D_8 \times 6$   | 48    | 1247400 | 9438 (2), 9504, 9503, 9247, 9418 (2), 9892         | 3604, 4182 (4), 5408, 5415, 5459, 5519, 5521, 5524, 5528 |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7585                                | $2^3 : S_3$             | 48    | 4989600 | 9428, 9431, 9133, 9926 (3), 10337 (4)              | 3605, 3664, 3764, 5373   |
| 7586                                | $2^3 : S_3$             | 48    | 2494800 | 9249, 9262, 9264, 9927 (3), 10369 (4)              | 3606, 4197 (2), 5380, 5439, 5443                                       |
| 7587                                | $D_8 \times S_3$        | 48    | 2494800 | 9437, 9507, 9505, 9506, 9436, 9418, 9435, 9927 (3) | 3607, 4197 (2), 5408, 5524, 5564                                       |
| 7588                                | $2^3 : S_3$             | 48    | 2494800 | 9246, 9262, 9263, 9908 (3), 10370 (4)              | 3608, 3623, 4199 (2), 5380, 5438, 5444                                 |
| 7589                                | $2^3 : S_3$             | 48    | 1247400 | 9437 (2), 9507, 9435 (2), 9247, 9508, 9908 (3)     | 3609, 4199 (4), 5408, 5524 (2), 5528 (2)                               |
| 7590                                | $D_8 \times S_3$        | 48    | 2494800 | 9438, 9509, 9234, 9294, 9437, 9439, 9506, 9870 (3) | 3612, 4201 (2), 5408, 5532, 5565                                       |
| 7591                                | $D_8 \times S_3$        | 48    | 2494800 | 9438, 9510, 9505, 9509, 9436, 9435, 9502, 9869 (3) | 3613, 4202 (2), 5408, 5541, 5564                                       |
| 7592                                | $2^3 : S_3$             | 48    | 1247400 | 9268, 9347 (2), 9208 (2), 9453, 9443, 9696 (3)     | 3615, 4091 (2), 4204 (2), 5221, 5409, 5412, 5465, 5527, 5553, 5557     |
| 7593                                | $2^3 : S_3$             | 48    | 1247400 | 9270, 9442, 9308, 9696 (3), 10254 (4)              | 3616, 4204 (2), 4215 (2), 5177, 5388, 5410, 5411, 5489, 5490, 5492     |
| 7594                                | $2^3 \times 6$          | 48    | 207900  | 9291 (6), 9424 (4), 9360 (4), 9443, 9822           | 3617, 4036 (4), 4205 (4), 5220, 5406 (6), 5412 (6), 5547 (3), 5575 (3) |
| 7595                                | $A_4 \times 2 \times 2$ | 48    | 207900  | 9442, 9310, 9276, 9822, 10295 (4)                  | 3618, 4187 (4), 4205 (4), 5180, 5389 (6), 5411 (6), 5493 (3), 5497 (3) |
| 7596                                | $D_8 \times 6$          | 48    | 1247400 | 9295, 9351 (2), 9223 (2), 9460, 9443, 9850         | 3619, 4099 (2), 4208 (2), 5224, 5406, 5409, 5487, 5546, 5557, 5572     |
| 7597                                | $2^3 : S_3$             | 48    | 207900  | 9274, 9442, 9519, 9850 (3), 10341 (4)              | 3620, 4189 (4), 4208 (4), 5180, 5390 (6), 5410 (6), 5495 (3), 5496 (3) |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                      | Minimal Overgroups   |
| 7598                                | $2^3 : S_3$             | 48    | 1247400 | 9443, 9222 (2), 9358 (2), 9292, 9300, 9728 (3)         | 3622, 4096 (2), 4209 (2), 5224, 5405, 5412, 5479, 5534, 5553, 5572                         |
| 7599                                | $2^3 : S_3$             | 48    | 1247400 | 9519, 9442, 9279, 9728 (3), 10370 (4)                  | 3623, 4209 (2), 4220 (2), 5182, 5390, 5391, 5411, 5490, 5512, 5515                         |
| 7600                                | $A_4 \times 2 \times 2$ | 48    | 1247400 | 9442, 9276, 9309, 9833, 10296 (4)                      | 3624, 4210 (2), 4218 (2), 5182, 5389, 5392, 5410, 5492, 5512, 5514                         |
| 7601                                | $2^3 \times S_3$        | 48    | 207900  | 9443, 9448 (4), 9350 (4), 9455 (3), 9294 (3), 9833 (3) | 3625, 4035 (4), 4210 (4), 5220, 5405 (6), 5409 (6), 5532 (3), 5570 (3)                     |
| 7602                                | $2^4 : 3$               | 48    | 831600  | 9928, 10304 (4), 10260 (12), 10371 (4)                 | 3627, 4213, 5302, 5416 (3), 5424 (3)   |
| 7603                                | $2^4 : 3$               | 48    | 277200  | 9878, 10304 (8), 10371 (12)                            | 3627, 4167 (2), 4211, 4214, 5414 (3), 5418 (3), 5425 (9)                                   |
| 7604                                | $2^4 : 3$               | 48    | 831600  | 9902, 10371 (12), 10260 (8)                            | 3627, 4212, 5413 (3), 5417 (3), 5426   |
| 7605                                | $A_4 \times 2 \times 2$ | 48    | 277200  | 9287 (3), 9878, 10301 (4)                              | 3628, 4166, 4167, 4211 (2), 5293 (3), 5422 (9), 5432 (3)                                   |
| 7606                                | $A_4 \times 2 \times 2$ | 48    | 415800  | 9444 (3), 9928, 10301 (4)                              | 3628, 4213, 5296, 5297, 5419 (3), 5421 (3), 5423 (3), 5428, 5433 (3)                       |
| 7607                                | $2^3 \times 6$          | 48    | 69300   | 9286 (6), 9504 (9), 9878                               | 3629, 4166 (2), 4214 (2), 5415 (6), 5420 (6), 5427 (9), 5429 (6), 5430 (9), 5431, 5434 (6) |
| 7608                                | $2^3 : S_3$             | 48    | 1247400 | 9246, 9132, 9255, 9929 (3), 10372 (4)                  | 3632, 3759, 5381, 5436 (2), 5438 (2)   |
| 7609                                | $2^3 : S_3$             | 48    | 1247400 | 9249, 9132, 9256, 9930 (3), 10373 (4)                  | 3633, 5381, 5437 (2), 5439 (2)   |
| 7610                                | $D_8 \times S_3$        | 48    | 2494800 | 9449, 9380, 9224, 9339, 9494, 9452, 9499, 9931 (3)     | 3640, 4216, 4313, 5239, 5397, 5407   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7611                                | $D_8 \times S_3$        | 48    | 2494800 | 9369, 9269, 9448, 9347, 9480, 9223, 9218, 9932 (3) | 3641, 4217, 4289, 4386, 5238, 5247, 5409                                       |
| 7612                                | $D_8 \times 6$          | 48    | 2494800 | 9380, 9356, 9377, 9240, 9492, 9225, 9500, 9899     | 3642, 4219, 4315, 4316 (2), 5239, 5401, 5449                                   |
| 7613                                | $D_8 \times S_3$        | 48    | 2494800 | 9449, 9353, 9226, 9240, 9493, 9376, 9501, 9931 (3) | 3643, 4221, 4313, 5172, 5239, 5398   |
| 7614                                | $D_8 \times S_3$        | 48    | 2494800 | 9192, 9273, 9217, 9368, 9358, 9448, 9314, 9932 (3) | 3644, 4222, 4289, 4370, 5247, 5249, 5405                                       |
| 7615                                | $2^3 : S_3$             | 48    | 2494800 | 9422 (2), 9287, 9856 (3), 10374 (4)                | 3646, 4081 (2), 4171, 5294, 5422, 5470   |
| 7616                                | $2^3 : S_3$             | 48    | 1247400 | 9262 (2), 9444, 9933 (3), 10374 (4)                | 3646, 5423, 5440, 5443, 5444, 5462, 5463, 5471                                 |
| 7617                                | $2^3 : S_3$             | 48    | 1247400 | 9286, 9292, 9217 (2), 9455, 9354 (2), 9856 (3)     | 3647, 4080 (2), 4171, 5222, 5405, 5427, 5441, 5472, 5476, 5477                 |
| 7618                                | $A_4 \times 2 \times 2$ | 48    | 831600  | 9425 (2), 9287, 9848, 10302 (4)                    | 3651, 4084 (2), 4170, 5294 (3), 5432, 5473 (3)                                 |
| 7619                                | $A_4 \times 2 \times 2$ | 48    | 1247400 | 9261 (2), 9444, 9934, 10302 (4)                    | 3651, 5298, 5299, 5433, 5440, 5466, 5467, 5474                                 |
| 7620                                | $2^3 \times 6$          | 48    | 415800  | 9291 (3), 9413 (6), 9460 (3), 9355 (2), 9286, 9848 | 3652, 4083 (2), 4170, 5223, 5406 (3), 5434, 5441 (3), 5475 (3), 5484, 5485 (3) |
| 7621                                | $D_8 \times S_3$        | 48    | 2494800 | 9333, 9210, 9117, 9461, 9447, 9426, 9385, 9886 (3) | 3653, 4224, 4298 (2), 4299, 5230, 5450, 5451                                   |
| 7622                                | $2^3 : S_3$             | 48    | 4989600 | 9382, 9423, 9445, 9811 (3), 10339 (4)              | 3654, 4227, 4286, 4287 (2), 5399   |
| 7623                                | $2^3 : S_3$             | 48    | 2494800 | 9381, 9446, 9484, 9356, 9476, 9489, 9215, 9811 (3) | 3655, 4227, 4286 (2), 4288, 5241, 5400, 5449                                   |
| 7624                                | $2^3 : S_3$             | 48    | 2494800 | 9424, 9213, 9321, 9363, 9208, 9358, 9477, 9734 (3) | 3656, 4226, 4293, 4376, 5242, 5249, 5412                                       |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                 |
| 7625                                | $D_8 \times S_3$ | 48    | 2494800 | 9216, 9483, 9449, 9250, 9491, 9446, 9475, 9782 (3)                 | 3657, 4229, 4285, 5172, 5241, 5397                 |
| 7626                                | $2^3 : S_3$      | 48    | 4989600 | 9422, 9425, 9302, 9811 (3), 10375 (4)                              | 3658, 4169, 4283, 4286 (2), 4287, 5294             |
| 7627                                | $2^3 : S_3$      | 48    | 2494800 | 9262, 9261, 9132, 9935 (3), 10375 (4)                              | 3658, 5438, 5439, 5440                             |
| 7628                                | $2^3 : S_3$      | 48    | 2494800 | 9454, 9213, 9303, 9355, 9214, 9354, 9474, 9811 (3)                 | 3659, 4169, 4284, 4287 (2), 4288, 5240, 5242, 5441 |
| 7629                                | $D_8 \times S_3$ | 48    | 2494800 | 9349, 9211, 9498, 9462, 9447, 9451, 9399, 9936 (3)                 | 3662, 4230, 4304, 4305 (2), 5243, 5377, 5451       |
| 7630                                | $D_8 \times S_3$ | 48    | 2494800 | 9396, 9491, 9447, 9352, 9215, 9450, 9478, 9812 (3)                 | 3663, 4231, 4294, 5241, 5377, 5450                 |
| 7631                                | $2^3 : S_3$      | 48    | 4989600 | 9120, 9432, 9427, 9936 (3), 10337 (4)                              | 3664, 4232, 4305, 5374                             |
| 7632                                | $2^3 : S_3$      | 48    | 2494800 | 9397, 9216, 9429, 9359, 9479, 9447, 9489, 9670 (3)                 | 3665, 4233, 4296 (2), 4297, 5241, 5375, 5451       |
| 7633                                | $2^3 : S_3$      | 48    | 2494800 | 9433, 9212, 9398, 9463, 9357, 9447, 9497, 9936 (3)                 | 3666, 4232, 4304, 5243, 5375, 5450                 |
| 7634                                | $D_8 \times S_3$ | 48    | 2494800 | 9340, 9211, 9497, 9472, 9446, 9380, 9481, 9931 (3)                 | 3667, 4234, 4307 (2), 4308, 5243, 5397, 5449       |
| 7635                                | $D_8 \times S_3$ | 48    | 2494800 | 9293, 9361, 9208, 9351, 9480, 9448, 9214, 9812 (3)                 | 3668, 4235, 4294, 4372, 5240, 5249, 5409           |
| 7636                                | $2^3 : S_3$      | 48    | 4989600 | 9445, 9254, 9379, 9931 (3), 10340 (4)                              | 3669, 4236, 4307, 5399                             |
| 7637                                | $2^3 : S_3$      | 48    | 4989600 | 9134, 9430, 9421, 9780 (3), 10340 (4)                              | 3669, 5213   |
| 7638                                | $2^3 : S_3$      | 48    | 2494800 | 9241, 9212, 9482, 9473, 9353, 9446, 9498, 9931 (3)                 | 3670, 4236, 4308, 5172, 5243, 5400                 |
| 7639                                | $2^3 \times S_3$ | 48    | 831600  | 9433, 9388 (3), 9333, 9452 (3), 9450, 9417 (3), 9116 (3), 9906 (3) | 3671, 4241, 4311, 5229, 5407 (3), 5450 (3)         |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                      | Minimal Overgroups   |
| 7640                                | $D_8 \times 6$          | 48    | 2494800 | 9359, 9219, 9492, 9244, 9451, 9426, 9488, 9675         | 3672, 4242, 4322, 4323 (2), 5246, 5401, 5451                         |
| 7641                                | $D_8 \times S_3$        | 48    | 2494800 | 9450, 9220, 9493, 9467, 9357, 9426, 9487, 9757 (3)     | 3673, 4244, 4312, 5246, 5398, 5450                                   |
| 7642                                | $D_8 \times S_3$        | 48    | 2494800 | 9451, 9333, 9464, 9429, 9224, 9390, 9118, 9916 (3)     | 3674, 4245, 4309 (2), 4310, 5233, 5407, 5451                         |
| 7643                                | $D_8 \times S_3$        | 48    | 2494800 | 9450, 9221, 9486, 9466, 9348, 9451, 9494, 9757 (3)     | 3675, 4246, 4312, 5246, 5377, 5407                                   |
| 7644                                | $2^3 : S_3$             | 48    | 1247400 | 9444, 9255 (2), 9937 (3), 10353 (4)                    | 3676, 5175, 5296, 5436, 5461, 5463, 5466, 5468                       |
| 7645                                | $A_4 \times 2 \times 2$ | 48    | 1247400 | 9444, 9256 (2), 9938, 10376 (4)                        | 3677, 5175, 5297, 5437, 5460, 5462, 5467, 5469                       |
| 7646                                | $2^3 : S_3$             | 48    | 1247400 | 9444, 9263 (2), 9939 (3), 10364 (4)                    | 3678, 5298, 5421, 5442, 5444, 5460, 5468, 5481                       |
| 7647                                | $A_4 \times 2 \times 2$ | 48    | 1247400 | 9444, 9264 (2), 9940, 10377 (4)                        | 3679, 5299, 5419, 5442, 5443, 5461, 5469, 5480                       |
| 7648                                | $2^3 \cdot S_3$         | 48    | 1247400 | 9444, 9941 (3), 10286 (4)                              | 3680, 5300, 5421, 5435, 5447, 5462, 5466, 5480                       |
| 7649                                | $A_4 \times 2 \cdot 2$  | 48    | 1247400 | 9444, 9942, 10289 (4)                                  | 3681, 5301, 5419, 5435, 5446, 5463, 5467, 5481                       |
| 7650                                | $2^3 \cdot S_3$         | 48    | 1247400 | 9444, 9943 (3), 10320 (4)                              | 3682, 5423, 5445, 5446, 5447, 5460, 5461, 5474                       |
| 7651                                | $2^3 : S_3$             | 48    | 2494800 | 9287, 9302 (2), 9846 (3), 10378 (4)                    | 3684, 4168, 5293, 5470, 5473   |
| 7652                                | $2^3 : S_3$             | 48    | 1247400 | 9444, 9132 (2), 9944 (3), 10378 (4)                    | 3684, 5428, 5436, 5437, 5471, 5474, 5480, 5481                       |
| 7653                                | $2^3 : S_3$             | 48    | 1247400 | 9286, 9303 (2), 9511 (2), 9290, 9453, 9846 (3)         | 3685, 4168, 5429, 5464, 5465, 5472, 5475, 5482, 5483                 |
| 7654                                | $2^3 \times S_3$        | 48    | 415800  | 9300 (3), 9510 (3), 9512 (6), 9286, 9304 (2), 9847 (3) | 3688, 4176, 5431, 5448 (3), 5477 (3), 5479 (3), 5483 (3), 5484, 5486 |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7655                                | $D_8 \times 6$          | 48    | 1247400 | 9286, 9298, 9513 (2),<br>9460, 9305 (2), 9880  | 3689, 4174, 5434,<br>5448, 5476, 5478,<br>5482, 5485, 5487           |
| 7656                                | $A_4 \times 2 \cdot 2$  | 48    | 1247400 | 9444, 9945, 10303 (4)  | 3691, 5300, 5301,<br>5433, 5445, 5468,<br>5469, 5471                 |
| 7657                                | $2^3 : S_3$             | 48    | 2494800 | 9263, 9132, 9264,<br>9946 (3), 10379 (4)   | 3692, 5438, 5439,<br>5442  |
| 7658                                | $D_8 \times S_3$        | 48    | 2494800 | 9305, 9303, 9514,<br>9304, 9459, 9515,<br>9299, 9884 (3)   | 3693, 4175, 5448,<br>5482, 5483                                      |
| 7659                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 9309, 9442, 9285,<br>9947, 10380 (4)   | 3694, 5185, 5392 (2),<br>5490 (2), 5493, 5496,<br>5503 (2), 5504 (2) |
| 7660                                | $2^3 : S_3$             | 48    | 623700  | 9279, 9442, 9520,<br>9682 (3), 10381 (4)   | 3695, 5185, 5391 (2),<br>5492 (2), 5495, 5497,<br>5502 (2), 5503 (2) |
| 7661                                | $Q_8 : S_3$             | 48    | 1247400 | 9185, 9948 (3), 10381<br>(4)   | 3695, 5491 (2), 5494,<br>5501 (2)                                    |
| 7662                                | $D_8 : S_3$             | 48    | 2494800 | 9502, 9233, 9236,<br>9949 (3)  | 3696, 5174, 5581,<br>5584  |
| 7663                                | $D_{48}$                | 48    | 2494800 | 9237, 9502, 9232,<br>9644 (3)  | 3699, 5174, 5578,<br>5584  |
| 7664                                | $2 \times 4 : S_3$      | 48    | 1247400 | 9191 (2), 9469 (2),<br>9147, 9271, 9453,<br>9853 (3)   | 3700, 4090 (2), 5221,<br>5464, 5505, 5506,<br>5525, 5556, 5558       |
| 7665                                | $2^3 : S_3$             | 48    | 1247400 | 9292, 9453, 9204 (2),<br>9291, 9477 (2), 9727<br>(3)   | 3701, 4092 (2), 5222,<br>5412, 5475, 5506,<br>5535, 5567, 5569       |
| 7666                                | $2 \times 4 : S_3$      | 48    | 1247400 | 9295, 9453, 9218 (2),<br>9455, 9361 (2), 9858<br>(3)   | 3702, 4093 (2), 5222,<br>5409, 5472, 5505,<br>5537, 5566, 5568       |
| 7667                                | $2^3 \times S_3$        | 48    | 1247400 | 9311 (2), 9434 (4),<br>9412 (2), 9291, 9300,<br>9363 (2), 9453, 9459<br>(2), 9838 (3)              | 3705, 4095 (2), 5223,<br>5412, 5483, 5505,<br>5544, 5567, 5574       |
| 7668                                | $2^3 \times S_3$        | 48    | 1247400 | 9312 (2), 9411 (2),<br>9480 (2), 9294, 9460,<br>9346 (2), 9485 (2),<br>9453, 9459 (2), 9860<br>(3) | 3706, 4094 (2), 5223,<br>5409, 5482, 5506,<br>5545, 5571, 5573       |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 7669                                | $2^3 \times S_3$        | 48    | 2494800 | 9457 (2), 9142 (2), 9415, 9458 (2), 9479, 9440 (2), 9336, 9118, 9462, 9488, 9385, 9915 (3) | 3707, 4417, 5232, 5378, 5451                             |
| 7670                                | $2^3 \times S_3$        | 48    | 2494800 | 9116, 9143 (2), 9441 (2), 9456 (2), 9458 (2), 9338, 9478, 9463, 9487, 9385, 9414, 9914 (3) | 3708, 4418, 5232, 5379, 5450                             |
| 7671                                | $D_8 \times S_3$        | 48    | 2494800 | 9338, 9390, 9481, 9113, 9225, 9476, 9465, 9917 (3)   | 3710, 4421, 5233, 5379, 5449                             |
| 7672                                | $2^3 : S_3$             | 48    | 1247400 | 9292, 9460, 9474 (2), 9147, 9206 (2), 9857 (3)   | 3712, 4097 (2), 5224, 5441, 5478, 5506, 5538, 5555, 5563 |
| 7673                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9490, 9494, 9202, 9116, 9390, 9283, 9337, 9919 (3)   | 3713, 4403, 5234, 5379, 5407                             |
| 7674                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 9489, 9492, 9282, 9336, 9117, 9211, 9390, 9918 (3)   | 3714, 4420, 5234, 5449, 5451                             |
| 7675                                | $D_8 \times 6$          | 48    | 1247400 | 9271, 9460, 9194 (2), 9291, 9495 (2), 9851   | 3720, 4105 (2), 5226, 5406, 5485, 5506, 5548, 5561, 5574 |
| 7676                                | $2^3 : S_3$             | 48    | 1247400 | 9268, 9460, 9369 (2), 9455, 9214 (2), 9862 (3)   | 3721, 4107 (2), 5226, 5409, 5441, 5476, 5537, 5560, 5562 |
| 7677                                | $2 \times 4 : S_3$      | 48    | 1247400 | 9271, 9300, 9368 (2), 9455, 9195 (2), 9863 (3)   | 3723, 4104 (2), 5226, 5405, 5477, 5505, 5533, 5560, 5566 |
| 7678                                | $D_8 \times S_3$        | 48    | 2494800 | 9118, 9337, 9496, 9388, 9201, 9499, 9466, 9920 (3)   | 3724, 4402, 5235, 5378, 5407                             |
| 7679                                | $D_8 \times S_3$        | 48    | 2494800 | 9338, 9117, 9500, 9388, 9467, 9497, 9215, 9921 (3)   | 3726, 4424, 5235, 5449, 5450                             |
| 7680                                | $D_8 \times S_3$        | 48    | 2494800 | 9282, 9462, 9397, 9334, 9461, 9244, 9464, 9888 (3)   | 3727, 4408, 5237, 5402, 5451                             |
| 7681                                | $2 \times 4 : S_3$      | 48    | 2494800 | 9243, 9463, 9461, 9417, 9396, 9341, 9467, 9889 (3)   | 3728, 4407, 5237, 5403, 5450                             |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups  | Minimal Overgroups                    |
| 7682                                | $D_8 \times S_3$   | 48    | 2494800 | 9148, 9206, 9495,<br>9191, 9480, 9273,<br>9477, 9932 (3) | 3729, 4370, 4386,<br>5238, 5249, 5506 |
| 7683                                | $2 \times 4 : S_3$ | 48    | 2494800 | 9399, 9479, 9492,<br>9461, 9335, 9501,<br>9224, 9891 (3) | 3730, 4426, 5239,<br>5403, 5451       |
| 7684                                | $D_8 \times S_3$   | 48    | 2494800 | 9478, 9398, 9500,<br>9461, 9452, 9493,<br>9207, 9890 (3) | 3731, 4425, 5239,<br>5402, 5450       |
| 7685                                | $2 \times 4 : S_3$ | 48    | 2494800 | 9475, 9396, 9479,<br>9365, 9468, 9484,<br>9201, 9814 (3) | 3732, 4390, 5241,<br>5378, 5403       |
| 7686                                | $D_8 \times S_3$   | 48    | 2494800 | 9483, 9397, 9490,<br>9198, 9476, 9468,<br>9478, 9813 (3) | 3733, 4389, 5241,<br>5379, 5402       |
| 7687                                | $2 \times 4 : S_3$ | 48    | 2494800 | 9361, 9319, 9454,<br>9272, 9469, 9412,<br>9195, 9814 (3) | 3734, 4373, 4390,<br>5240, 5244, 5505 |
| 7688                                | $D_8 \times S_3$   | 48    | 2494800 | 9204, 9311, 9273,<br>9194, 9480, 9469,<br>9474, 9813 (3) | 3735, 4374, 4389,<br>5240, 5247, 5506 |
| 7689                                | $D_8 \times S_3$   | 48    | 2494800 | 9312, 9193, 9495,<br>9346, 9469, 9474,<br>9477, 9950 (3) | 3736, 4375, 4388,<br>5242, 5244, 5506 |
| 7690                                | $2 \times 4 : S_3$ | 48    | 2494800 | 9454, 9196, 9218,<br>9363, 9317, 9469,<br>9368, 9950 (3) | 3737, 4377, 4388,<br>5242, 5247, 5505 |
| 7691                                | $D_8 \times S_3$   | 48    | 2494800 | 9472, 9199, 9496,<br>9462, 9468, 9482,<br>9398, 9951 (3) | 3738, 4400, 5243,<br>5378, 5402       |
| 7692                                | $2 \times 4 : S_3$ | 48    | 2494800 | 9473, 9202, 9481,<br>9463, 9399, 9367,<br>9468, 9951 (3) | 3739, 4400, 5243,<br>5379, 5403       |
| 7693                                | $2^3 : S_3$        | 48    | 2494800 | 9413, 9267, 9474,<br>9454, 9217, 9313,<br>9369, 9950 (3) | 3740, 4375, 4377,<br>5244, 5247, 5441 |
| 7694                                | $D_8 \times S_3$   | 48    | 2494800 | 9282, 9345, 9394,<br>9472, 9470, 9500,<br>9476, 9952 (3) | 3742, 4410, 5245,<br>5402, 5449       |
| 7695                                | $2 \times 4 : S_3$ | 48    | 2494800 | 9243, 9416, 9501,<br>9473, 9475, 9362,<br>9470, 9953 (3) | 3743, 4409, 5172,<br>5245, 5403       |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7696                                | $D_8 \times S_3$   | 48    | 2494800 | 9281, 9415, 9499, 9472, 9475, 9395, 9471, 9953 (3) | 3744, 4409, 5245, 5378, 5397                                   |
| 7697                                | $2^3 : S_3$        | 48    | 2494800 | 9283, 9414, 9393, 9473, 9471, 9370, 9476, 9952 (3) | 3745, 4410, 5245, 5379, 5400                                   |
| 7698                                | $2 \times 4 : S_3$ | 48    | 2494800 | 9492, 9364, 9481, 9484, 9467, 9470, 9221, 9774 (3) | 3746, 4419, 5246, 5403, 5449                                   |
| 7699                                | $D_8 \times S_3$   | 48    | 2494800 | 9219, 9342, 9494, 9483, 9471, 9487, 9481, 9732 (3) | 3747, 4411, 5246, 5379, 5397                                   |
| 7700                                | $D_8 \times S_3$   | 48    | 2494800 | 9244, 9205, 9486, 9483, 9470, 9493, 9482, 9732 (3) | 3748, 4411, 5172, 5246, 5402                                   |
| 7701                                | $2^3 : S_3$        | 48    | 2494800 | 9488, 9366, 9471, 9484, 9466, 9482, 9220, 9774 (3) | 3749, 4419, 5246, 5378, 5400                                   |
| 7702                                | $D_8 \times S_3$   | 48    | 2494800 | 9491, 9487, 9395, 9452, 9210, 9497, 9341, 9953 (3) | 3751, 4414, 5248, 5397, 5450                                   |
| 7703                                | $D_8 \times 6$     | 48    | 2494800 | 9365, 9488, 9496, 9377, 9242, 9395, 9200, 9900     | 3752, 4405, 5248, 5378, 5401                                   |
| 7704                                | $D_8 \times S_3$   | 48    | 2494800 | 9490, 9487, 9200, 9376, 9393, 9465, 9367, 9954 (3) | 3753, 4401, 5248, 5379, 5398                                   |
| 7705                                | $2^3 : S_3$        | 48    | 2494800 | 9489, 9488, 9498, 9335, 9464, 9393, 9210, 9955 (3) | 3754, 4422, 5248, 5400, 5451                                   |
| 7706                                | $2^3 : S_3$        | 48    | 2494800 | 9489, 9364, 9497, 9377, 9465, 9394, 9209, 9955 (3) | 3755, 4422, 5248, 5375, 5449                                   |
| 7707                                | $D_8 \times S_3$   | 48    | 2494800 | 9490, 9486, 9496, 9452, 9464, 9394, 9197, 9954 (3) | 3756, 4401, 5248, 5402, 5407                                   |
| 7708                                | $D_8 \times S_3$   | 48    | 2494800 | 9491, 9486, 9242, 9376, 9498, 9209, 9362, 9953 (3) | 3757, 4414, 5172, 5248, 5377                                   |
| 7709                                | $2^3 : S_3$        | 48    | 623700  | 9308, 9442, 9284, 9669 (3), 10372 (4)              | 3759, 5183, 5388 (2), 5496, 5497, 5503 (2), 5507 (2), 5512 (2) |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7710                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 9442, 9278, 9518, 9956, 10344 (4)                                  | 3760, 5183, 5383, 5452, 5489, 5493, 5495, 5498, 5499, 5502, 5504, 5507, 5514, 5515, 5516, 5517 |
| 7711                                | $Q_8 : 6$               | 48    | 1247400 | 9185, 9957, 10344 (4)  | 3760, 5453, 5488, 5494, 5500, 5501, 5513, 5518   |
| 7712                                | $2 \times 4 \times S_3$ | 48    | 1247400 | 9439, 9234 (2), 9505 (2), 9508, 9503, 9958 (3)                     | 3765, 5408, 5529 (2), 5565 (2)   |
| 7713                                | $2^3 \times S_3$        | 48    | 623700  | 9294, 9512 (4), 9315 (4), 9507 (2), 9510, 9439 (2), 9504, 9959 (3) | 3766, 5408 (2), 5431, 5529 (2), 5531, 5532, 5543 (2), 5545 (2)                                 |
| 7714                                | $2 \times 4 : S_3$      | 48    | 1247400 | 9507, 9506 (2), 9502 (2), 9436, 9503, 9960 (3)                     | 3767, 5408, 5530 (2), 5564 (2)   |
| 7715                                | $2^3 : S_3$             | 48    | 1247400 | 9504, 9509 (2), 9435 (2), 9508, 9436, 9961 (3)                     | 3768, 5408, 5420, 5523, 5524, 5530, 5540, 5541   |
| 7716                                | $2 \times 12 : 2$       | 48    | 1247400 | 9503 (2), 9504, 9962   | 3771, 5415, 5519, 5520, 5522, 5523, 5529, 5530   |
| 7717                                | $2^3 \cdot S_3$         | 48    | 1247400 | 9508 (2), 9504, 9963 (3)   | 3772, 5420, 5521, 5522, 5528, 5529, 5539, 5540   |
| 7718                                | $2^3 : S_3$             | 48    | 623700  | 9504, 9297, 9437 (4), 9455, 9964 (3)                               | 3773, 5427, 5522 (2), 5524 (2), 5532, 5533, 5536 (2), 5537 (2)                                 |
| 7719                                | $2^3 \cdot S_3$         | 48    | 623700  | 9292 (2), 9504, 9965 (3)   | 3774, 5427, 5521 (2), 5523 (2), 5531, 5534, 5535 (2), 5538 (2)                                 |
| 7720                                | $2^3 : S_3$             | 48    | 1247400 | 9147, 9186 (2), 9511 (2), 9290, 9504, 9966 (3)                     | 3775, 5429, 5525, 5526, 5536, 5538, 5542, 5543   |
| 7721                                | $2^3 : S_3$             | 48    | 1247400 | 9268, 9313 (2), 9511 (2), 9453, 9504, 9967 (3)                     | 3776, 5429, 5525, 5527, 5535, 5537, 5544, 5545   |
| 7722                                | $D_8 \times 6$          | 48    | 623700  | 9504, 9296, 9438 (4), 9443, 9968                                   | 3777, 5430, 5459, 5508, 5509, 5510, 5511, 5520, 5526, 5527, 5532, 5534, 5539, 5541, 5546, 5547 |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 7723                                | $2 \times 12 : 2$  | 48    | 623700  | 9271 (2), 9504, 9969   | 3778, 5430, 5519 (2),<br>5525 (2), 5531, 5533,<br>5540 (2), 5548 (2) |
| 7724                                | $2^3 \times S_3$   | 48    | 623700  | 9300 (2), 9512 (4),<br>9507 (4), 9314 (4),<br>9504, 9970 (3) | 3779, 5431, 5528 (2),<br>5530 (2), 5533, 5534,<br>5542 (2), 5544 (2) |
| 7725                                | $D_8 \times 6$     | 48    | 1247400 | 9504, 9295, 9513 (2),<br>9460, 9316 (2), 9971                | 3780, 5434, 5537,<br>5538, 5542, 5545,<br>5546, 5548                 |
| 7726                                | $D_8 \times 6$     | 48    | 1247400 | 9504, 9298, 9187 (2),<br>9291, 9513 (2), 9972                | 3781, 5434, 5535,<br>5536, 5543, 5544,<br>5547, 5548                 |
| 7727                                | $D_8 \times S_3$   | 48    | 2494800 | 9269, 9313, 9513,<br>9323, 9512, 9459,<br>9514, 9973 (3)     | 3788, 5448, 5544,<br>5545  |
| 7728                                | $D_8 \times S_3$   | 48    | 2494800 | 9148, 9186, 9515,<br>9188, 9299, 9512,<br>9513, 9974 (3)     | 3789, 5448, 5542,<br>5543  |
| 7729                                | $2^3 : S_3$        | 48    | 1247400 | 9268, 9323 (2), 9515<br>(2), 9510, 9460, 9708<br>(3)         | 3791, 5448, 5484,<br>5545, 5555, 5557,<br>5561, 5562                 |
| 7730                                | $2 \times 4 : S_3$ | 48    | 1247400 | 9147, 9188 (2), 9514<br>(2), 9298, 9510, 9879<br>(3)         | 3792, 5448, 5486,<br>5543, 5554, 5555,<br>5558, 5559                 |
| 7731                                | $D_8 : 6$          | 48    | 1247400 | 9438 (2), 9227, 9296,<br>9503 (2), 9418, 9975                | 3793, 5459, 5549,<br>5550, 5551, 5552,<br>5564, 5565                 |
| 7732                                | $2 \times 4 : S_3$ | 48    | 623700  | 9232 (4), 9296, 9453<br>(2), 9976 (3)                        | 3794, 5464 (2), 5527,<br>5550 (2), 5567 (2),<br>5568, 5573, 5578 (2) |
| 7733                                | $2 \times 4 : S_3$ | 48    | 1247400 | 9290, 9453, 9271,<br>9759 (3)                                | 3795, 5464, 5465,<br>5525, 5566, 5569,<br>5571, 5574                 |
| 7734                                | $2^3 \cdot S_3$    | 48    | 623700  | 9290 (2), 9443, 9662<br>(3)                                  | 3796, 5465 (2), 5508<br>(2), 5526, 5570, 5572<br>(2), 5575, 5576 (2) |
| 7735                                | $2 \times 4 : S_3$ | 48    | 1247400 | 9298, 9453, 9292,<br>9977 (3)                                | 3797, 5472, 5478,<br>5535, 5553, 5558,<br>5567, 5571                 |
| 7736                                | $2 \times 4 : S_3$ | 48    | 1247400 | 9298, 9290, 9455,<br>9978 (3)                                | 3799, 5472, 5476,<br>5536, 5559, 5560,<br>5566, 5570                 |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7737                                | $2^3 : S_3$        | 48    | 1247400 | 9238 (4), 9297, 9460, 9453, 9762 (3)               | 3800, 5475, 5478, 5537, 5556, 5557, 5573, 5574                 |
| 7738                                | $2^3 \cdot S_3$    | 48    | 1247400 | 9290, 9292, 9460, 9763 (3)                         | 3801, 5475, 5476, 5538, 5561, 5563, 5571, 5572                 |
| 7739                                | $2 \times 4 : S_3$ | 48    | 623700  | 9296, 9510, 9506 (4), 9455, 9979 (3)               | 3806, 5477 (2), 5532, 5559 (2), 5562, 5564 (2), 5568, 5580 (2) |
| 7740                                | $2 \times 4 : S_3$ | 48    | 1247400 | 9510, 9292, 9271, 9764 (3)                         | 3807, 5477, 5479, 5531, 5555, 5558, 5561, 5569                 |
| 7741                                | $2^3 : S_3$        | 48    | 623700  | 9509 (4), 9297, 9443, 9510, 9667 (3)               | 3808, 5479 (2), 5532, 5541 (2), 5554, 5557 (2), 5575, 5576 (2) |
| 7742                                | $D_8 \times S_3$   | 48    | 2494800 | 9321, 9317, 9299, 9314, 9513, 9459, 9511, 9980 (3) | 3809, 5482, 5542, 5544   |
| 7743                                | $D_8 \times S_3$   | 48    | 2494800 | 9312, 9189, 9511, 9315, 9515, 9513, 9514, 9981 (3) | 3810, 5482, 5543, 5545   |
| 7744                                | $2 \times 4 : S_3$ | 48    | 1247400 | 9300, 9317 (2), 9514 (2), 9298, 9453, 9982 (3)     | 3811, 5482, 5486, 5544, 5553, 5556, 5566, 5567                 |
| 7745                                | $2^3 : S_3$        | 48    | 1247400 | 9300, 9321 (2), 9515 (2), 9290, 9460, 9761 (3)     | 3813, 5482, 5484, 5542, 5560, 5563, 5572, 5574                 |
| 7746                                | $D_8 \times S_3$   | 48    | 2494800 | 9293, 9319, 9515, 9316, 9512, 9459, 9511, 9889 (3) | 3814, 5483, 5542, 5545   |
| 7747                                | $D_8 \times S_3$   | 48    | 2494800 | 9311, 9190, 9511, 9187, 9299, 9512, 9514, 9888 (3) | 3815, 5483, 5543, 5544   |
| 7748                                | $2 \times 4 : S_3$ | 48    | 1247400 | 9295, 9319 (2), 9514 (2), 9510, 9453, 9849 (3)     | 3816, 5483, 5486, 5545, 5557, 5558, 5568, 5569                 |
| 7749                                | $2^3 : S_3$        | 48    | 1247400 | 9291, 9190 (2), 9515 (2), 9290, 9510, 9738 (3)     | 3817, 5483, 5484, 5543, 5559, 5561, 5569, 5575                 |
| 7750                                | $2 \times 12 : 2$  | 48    | 1247400 | 9298, 9460, 9271, 9983                             | 3822, 5485, 5487, 5548, 5555, 5556, 5560, 5571                 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 7751                                | $D_8 \times 6$         | 48    | 623700  | 9460 (2), 9296, 9236 (4), 9984                     | 3823, 5485 (2), 5546, 5552 (2), 5562, 5563 (2), 5573, 5581 (2)               |
| 7752                                | $2 \times 12 : 2$      | 48    | 623700  | 9298 (2), 9443, 9985                               | 3824, 5487 (2), 5510 (2), 5547, 5553 (2), 5554, 5570, 5576 (2)               |
| 7753                                | $2 \times 4 \cdot S_3$ | 48    | 1247400 | 9233 (2), 9296, 9646 (3)                           | 3825, 5509, 5549, 5550, 5579, 5580, 5581, 5582                               |
| 7754                                | $24 : 2$               | 48    | 1247400 | 9237 (2), 9296, 9986                               | 3826, 5511, 5551, 5552, 5577, 5578, 5579, 5580                               |
| 7755                                | $D_8 \times S_3$       | 48    | 2494800 | 9438, 9509, 9320, 9455, 9437, 9507, 9506, 9987 (3) | 3827, 5524, 5532, 5564   |
| 7756                                | $2 \times 4 : S_3$     | 48    | 2494800 | 9320, 9506, 9435, 9437, 9505, 9503, 9235, 9988 (3) | 3828, 5524, 5564, 5565   |
| 7757                                | $D_8 : S_3$            | 48    | 2494800 | 9438, 9509, 9508, 9297, 9235, 9505, 9435, 9989 (3) | 3829, 5524, 5541, 5565   |
| 7758                                | $D_8 : S_3$            | 48    | 1247400 | 9437 (2), 9320, 9508 (2), 9418, 9235, 9990 (3)     | 3830, 5524 (2), 5565, 5583 (2)   |
| 7759                                | $2 \times 4 : S_3$     | 48    | 2494800 | 9503, 9508, 9507, 9991 (3)                         | 3831, 5528, 5529, 5530   |
| 7760                                | $2 \times 4 : S_3$     | 48    | 1247400 | 9509 (2), 9235, 9296, 9505 (2), 9502, 9649 (3)     | 3832, 5541, 5564, 5565, 5577, 5578, 5581, 5582                               |
| 7761                                | $Q_8 : S_3$            | 48    | 1247400 | 9506 (2), 9502, 9320, 9505 (2), 9227, 9992 (3)     | 3833, 5564 (2), 5565, 5584 (2)   |
| 7762                                | $D_8 \times S_3$       | 48    | 2494800 | 9238 (2), 9232, 9320, 9485 (2), 9236, 9830 (3)     | 3834, 5573, 5583, 5584   |
| 7763                                | $8 : S_3$              | 48    | 2494800 | 9233, 9237, 9320, 9993 (3)                         | 3835, 5579, 5583, 5584   |
| 7764                                | $2^3 : S_3$            | 48    | 623700  | 9252 (2), 9516, 9817 (3), 10382 (4)                | 3943 (4), 4203 (4), 5203 (2), 5585, 5618 (2), 5652 (2), 5658, 5719, 5768 (2) |

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| Nr.                                 | Structure               | Order | Length | Maximal Subgroups                      | Minimal Overgroups   |
| 7765                                | $A_4 \times 2 \times 2$ | 48    | 623700 | 9516, 9253 (2), 9818, 10383 (4)        | 3944 (4), 4207 (4), 5211 (2), 5585, 5594 (2), 5654 (2), 5679, 5719, 5768 (2)   |
| 7766                                | $A_4 \times 2 \times 2$ | 48    | 311850 | 9516 (2), 9277, 9840, 10333 (4)        | 4052 (8), 5203 (2), 5252, 5253, 5258 (2), 5283 (2), 5593, 5594 (2), 5635, 5696, 5717, 5718, 5750 (2), 5759 (2), 5762 (2), 5763 (2)   |
| 7767                                | $2^3 : S_3$             | 48    | 311850 | 9517 (2), 9277, 9855 (3), 10334 (4)    | 4063 (8), 5205 (2), 5254, 5256, 5264 (2), 5288 (2), 5592 (2), 5593, 5642, 5680, 5699, 5742, 5756 (2), 5762 (2), 5765 (2), 5766 (2)   |
| 7768                                | $A_4 \times 2 \times 2$ | 48    | 623700 | 9518 (2), 9278, 9837, 10376 (4)        | 4068 (4), 5204, 5266, 5276, 5285, 5286, 5452, 5595, 5596, 5609, 5657, 5695, 5714, 5715, 5722, 5723                                   |
| 7769                                | $2^3 : S_3$             | 48    | 623700 | 9519 (2), 9278, 9857 (3), 10374 (4)    | 4069 (4), 5193, 5267, 5281, 5286, 5287, 5390, 5515, 5598, 5611, 5647, 5659, 5683, 5689, 5691, 5713                                   |
| 7770                                | $2^3 : S_3$             | 48    | 623700 | 9520 (2), 9278, 9744 (3), 10384 (4)    | 4070 (4), 5206, 5267, 5282, 5290, 5292, 5502, 5596, 5597, 5613, 5646, 5676, 5701, 5707, 5739, 5741                                   |
| 7771                                | $2^4 : 3$               | 48    | 415800 | 9834, 10258 (4), 10304 (4), 10311 (12) | 4149, 5454, 5601 (3), 5603 (3), 5605, 5610 (3), 5614, 5638 (3)   |
| 7772                                | $2^4 : 3$               | 48    | 34650  | 9878, 10327 (8), 10310 (12)            | 4150, 4211 (8), 4214 (4), 5586 (3), 5587 (9), 5590 (6), 5591 (18), 5600 (3), 5604 (18), 5607 (6), 5620, 5621 (3), 5634 (3), 5636 (9) |

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| Nr.                                 | Structure               | Order | Length | Maximal Subgroups                        | Minimal Overgroups  |
| 7773                                | $2^4 : 3$               | 48    | 207900 | 9881, 10257 (8),<br>10312 (12)           | 4154, 5386, 5588 (2),<br>5589 (6), 5602 (3),<br>5612 (6), 5616 (2),<br>5640 (3)   |
| 7774                                | $2^3 : S_3$             | 48    | 51975  | 9517, 9251, 9516,<br>9893 (3), 10300 (4) | 4183 (16), 4184 (16),<br>5209 (4), 5585 (12),<br>5593 (12), 5628 (6),<br>5669 (3), 5748 (6)                               |
| 7775                                | $2^3 : S_3$             | 48    | 207900 | 9275, 9252, 9517,<br>9899 (3), 10307 (4) | 4185 (4), 4219 (4),<br>5209, 5215 (3), 5592<br>(6), 5618 (6), 5668<br>(3)   |
| 7776                                | $A_4 \times 2 \times 2$ | 48    | 207900 | 9516, 9275, 9253,<br>9895, 10309 (4)     | 4186 (4), 4206 (4),<br>5209, 5219 (3), 5594<br>(6), 5618 (6), 5663<br>(3)   |
| 7777                                | $A_4 \times 2 \times 2$ | 48    | 207900 | 9518, 9310, 9285,<br>9894, 10385 (4)     | 4188 (4), 4240 (4),<br>5210, 5493 (3), 5595<br>(6), 5630 (6), 5664<br>(3)   |
| 7778                                | $2^3 : S_3$             | 48    | 207900 | 9274, 9518, 9520,<br>9896 (3), 10386 (4) | 4190 (4), 4239 (4),<br>5210, 5495 (3), 5596<br>(6), 5629 (6), 5666<br>(3)   |
| 7779                                | $2^3 : S_3$             | 48    | 207900 | 9520, 9310, 9284,<br>9675 (3), 10387 (4) | 4191 (4), 4242 (4),<br>5210, 5497 (3), 5597<br>(6), 5630 (6), 5665<br>(3)   |
| 7780                                | $2^3 : S_3$             | 48    | 207900 | 9270, 9310, 9519,<br>9697 (3), 10255 (4) | 4192 (4), 4223 (4),<br>5180, 5411 (6), 5598<br>(6), 5664 (3), 5665<br>(3)   |
| 7781                                | $2^3 : S_3$             | 48    | 623700 | 9516, 9280, 9517,<br>9909 (3), 10336 (4) | 4198 (4), 4200 (4),<br>5211 (2), 5593, 5618<br>(2), 5680, 5718, 5753<br>(2), 5762 (2)                                     |
| 7782                                | $2^4 : 3$               | 48    | 207900 | 9902, 10312 (12),<br>10259 (8)           | 4212 (4), 5387 (3),<br>5619, 5622 (6), 5626<br>(6), 5743 (3)  |
| 7783                                | $A_4 \times 2 \times 2$ | 48    | 103950 | 9516 (3), 9928, 10388<br>(4)             | 4213 (4), 5303, 5599<br>(6), 5623 (6), 5624,<br>5625 (6), 5627 (6),<br>5628, 5749 (3), 5750<br>(3), 5753 (3), 5754<br>(3) |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                     | Minimal Overgroups   |
| 7784                                | $2^3 : S_3$             | 48    | 1247400 | 9253, 9252, 9517, 9931 (3), 10389 (4) | 4216 (2), 4221 (2), 4234 (2), 4236 (2), 5205, 5211, 5585, 5592, 5618, 5678, 5708   |
| 7785                                | $2^3 : S_3$             | 48    | 1247400 | 9270, 9309, 9519, 9932 (3), 10369 (4) | 4217 (2), 4222 (2), 5182, 5410, 5490, 5598, 5656, 5659, 5660   |
| 7786                                | $2^3 : S_3$             | 48    | 1247400 | 9284, 9518, 9308, 9886 (3), 10261 (4) | 4224 (2), 4225 (2), 5204, 5507, 5629, 5630, 5657, 5721, 5724   |
| 7787                                | $2^3 : S_3$             | 48    | 1247400 | 9519, 9276, 9308, 9734 (3), 10375 (4) | 4226 (2), 4228 (2), 5193, 5410, 5411, 5512, 5660, 5712, 5713   |
| 7788                                | $2^3 : S_3$             | 48    | 1247400 | 9520, 9285, 9308, 9936 (3), 10390 (4) | 4230 (2), 4232 (2), 5206, 5503, 5629, 5630, 5677, 5706, 5707   |
| 7789                                | $A_4 \times 2 \times 2$ | 48    | 1247400 | 9518, 9309, 9285, 9906, 10391 (4)     | 4238 (2), 4241 (2), 5212, 5504, 5595, 5629, 5677, 5723, 5724   |
| 7790                                | $2^3 : S_3$             | 48    | 1247400 | 9520, 9518, 9279, 9916 (3), 10392 (4) | 4243 (2), 4245 (2), 5212, 5502, 5596, 5630, 5677, 5721, 5722   |
| 7791                                | $2^3 : S_3$             | 48    | 1247400 | 9520, 9309, 9284, 9757 (3), 10393 (4) | 4244 (2), 4246 (2), 5212, 5503, 5597, 5629, 5676, 5720, 5721   |
| 7792                                | $2^3 : S_3$             | 48    | 623700  | 9270, 9518, 9308, 9994 (3), 10373 (4) | 5183, 5489 (2), 5657 (2), 5660 (2), 5664, 5666, 5677 (2)   |
| 7793                                | $2^3 : S_3$             | 48    | 311850  | 9252 (2), 9277, 9995 (3), 10328 (4)   | 5184, 5207 (2), 5637, 5658 (2), 5661 (2), 5667, 5668, 5678 (2), 5693 (2), 5696, 5699, 5700 (2), 5709, 5759 (2), 5765 (2) |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                     | Minimal Overgroups   |
| 7794                                | $A_4 \times 2 \times 2$ | 48    | 155925  | 9277 (2), 9516, 9996, 10321 (4)       | 5184 (2), 5627 (4), 5632, 5635 (2), 5658 (2), 5662, 5663 (2), 5669, 5670 (2), 5671 (2), 5673 (2), 5674 (2), 5679 (2), 5680 (2), 5750, 5755 (4), 5756, 5758, 5760 (2), 5761, 5764 (2) |
| 7795                                | $2^3 : S_3$             | 48    | 623700  | 9270, 9309, 9520, 9700 (3), 10256 (4) | 5185, 5492 (2), 5656 (2), 5665, 5666, 5676 (2), 5677 (2)   |
| 7796                                | $A_4 \times 2 \times 2$ | 48    | 311850  | 9253 (2), 9277, 9997, 10329 (4)       | 5186, 5217 (2), 5606 (2), 5643, 5663, 5667, 5678 (2), 5679 (2), 5703 (2), 5717, 5734, 5735 (2), 5742, 5763 (2), 5766 (2)   |
| 7797                                | $2^3 : S_3$             | 48    | 311850  | 9280, 9277, 9517, 9998 (3), 10322 (4) | 5186, 5215 (2), 5642, 5644 (2), 5668, 5669, 5678 (2), 5680 (2), 5708 (2), 5718, 5725, 5726 (2), 5733, 5762 (2), 5767 (2)   |
| 7798                                | $2^3 : S_3$             | 48    | 623700  | 9278, 9308 (2), 9966 (3), 10378 (4)   | 5191, 5250, 5507, 5641, 5657, 5681, 5682, 5683, 5684, 5685, 5692, 5704, 5705, 5706, 5707   |
| 7799                                | $2^3 : S_3$             | 48    | 1247400 | 9279, 9309, 9308, 9974 (3), 10266 (4) | 5202, 5503, 5677, 5684, 5685, 5721, 5724   |
| 7800                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 9278, 9309 (2), 9836, 10299 (4)       | 5202, 5504, 5615, 5648, 5676, 5684, 5686, 5688, 5689, 5690, 5711, 5720, 5723, 5736, 5738   |
| 7801                                | $2^3 : S_3$             | 48    | 623700  | 9308 (2), 9278, 9745 (3), 10394 (4)   | 5208, 5388, 5489, 5639, 5692, 5694, 5695, 5697, 5698, 5701, 5702, 5710, 5711, 5712, 5713   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                      | Minimal Overgroups   |
| 7802                                | $2^3 : S_3$             | 48    | 623700  | 9285, 9308, 9519, 9999 (3), 10265 (4)  | 5214, 5490 (2), 5496, 5664, 5706 (2), 5713 (2), 5724 (2)   |
| 7803                                | $2^3 : S_3$             | 48    | 623700  | 9276, 9308, 9520, 9671 (3), 10264 (4)  | 5214, 5492 (2), 5497, 5666, 5707 (2), 5712 (2), 5721 (2)   |
| 7804                                | $2^3 : S_3$             | 48    | 623700  | 9520, 9278, 9519, 9754 (3), 10395 (4)  | 5214, 5391, 5495, 5646, 5647, 5656, 5665, 5706, 5712, 5720, 5722, 5728, 5729, 5731, 5732                                 |
| 7805                                | $2^3 : S_3$             | 48    | 623700  | 9253, 9252, 9280, 10000 (3), 10331 (4) | 5215, 5217 (2), 5219, 5661 (2), 5667, 5708 (2), 5719 (2)   |
| 7806                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 9309 (2), 9278, 10001, 10377 (4)       | 5216, 5392, 5514, 5617, 5645, 5656, 5659, 5697, 5705, 5714, 5716, 5736, 5737, 5739, 5740                                 |
| 7807                                | $2^3 : S_3$             | 48    | 1247400 | 9308, 9309, 9279, 9746 (3), 10379 (4)  | 5216, 5490, 5492, 5512, 5660, 5697, 5698   |
| 7808                                | $2^3 : S_3$             | 48    | 623700  | 9519, 9309, 9284, 9752 (3), 10347 (4)  | 5218, 5496, 5512 (2), 5659 (2), 5665, 5720 (2), 5724 (2)   |
| 7809                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 9276, 9309, 9518, 10002, 10345 (4)     | 5218, 5493, 5514 (2), 5660 (2), 5666, 5721 (2), 5723 (2)   |
| 7810                                | $2^3 : S_3$             | 48    | 623700  | 9519, 9518, 9279, 10003 (3), 10348 (4) | 5218, 5495, 5515 (2), 5660 (2), 5664, 5722 (2), 5724 (2)   |
| 7811                                | $2^3 : S_3$             | 48    | 155925  | 9516, 9280 (2), 10004 (3), 10332 (4)   | 5219 (4), 5625 (4), 5662 (2), 5669, 5718 (4), 5719 (4), 5752 (4), 5753 (2), 5769 (2)                                     |
| 7812                                | $4^2 : 3$               | 48    | 623700  | 10005, 10312 (4)                       | 5385, 5649 (2), 5650 (2), 5651, 5744, 5745 (2), 5746 (2)   |
| 7813                                | $A_4 \times 2 \cdot 2$  | 48    | 311850  | 9516, 10006, 10292 (4)                 | 5599, 5627 (2), 5633, 5652 (2), 5653 (2), 5654 (2), 5655 (2), 5747, 5748, 5749 (2), 5751 (2), 5752 (2), 5757, 5761, 5769 |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                    | Minimal Overgroups   |
| 7814                                | $2^3 : S_3$      | 48    | 311850  | 9516, 9517 (2), 10007 (3), 10396 (4) | 5623 (2), 5624 (2), 5628, 5747 (2), 5751 (2), 5752 (2), 5753, 5755 (2), 5756, 5762 (4) |
| 7815                                | $2^3 \cdot S_3$  | 48    | 311850  | 9516, 10008 (3), 10293 (4)           | 5623 (2), 5625 (2), 5748, 5751 (2), 5754 (2), 5755 (2), 5757 (2), 5758, 5768 (4), 5769 |
| 7816                                | $3 \times 15$    | 45    | 332640  | 10245 (2), 10246 (2), 10414          | 3851 (2), 5770, 5771, 5772, 5773 (2), 5774 (2), 5775 (2), 5776 (2)                     |
| 7817                                | $7 : 3 : 2$      | 42    | 950400  | 9522, 10247, 10641 (7)               | 319, 781 (2), 2423 (3), 4912 (3), 4913, 5777 (3), 5778, 5779 (3)                       |
| 7818                                | $7 : 3 : 2$      | 42    | 95040   | 9522, 10251, 10642 (7)               | 320, 2424 (5), 3278 (6), 4914 (10), 5778 (10), 5780 (15)                               |
| 7819                                | $7 : 3 : 2$      | 42    | 1425600 | 9522, 10250, 10643 (7)               | 323, 2426, 3277 (2), 4915 (2), 5779 (2), 5780, 5782 (2)                                |
| 7820                                | $21 : 2$         | 42    | 950400  | 9523, 10247, 10644 (7)               | 782 (2), 4913, 5783, 5784, 5795  |
| 7821                                | $7 : 3 : 2$      | 42    | 1900800 | 9524, 10247, 10645 (7)               | 783 (2), 4913, 5794  |
| 7822                                | $S_3 \times 7$   | 42    | 950400  | 9523, 10249 (3), 10639               | 2064, 4916, 5784, 5785, 5786   |
| 7823                                | $7 : 3 \times 2$ | 42    | 950400  | 9522, 10248, 10646 (7)               | 2427 (2), 2429 (6), 2431 (3), 4917 (3), 4918, 5778, 5779 (3), 5788 (3)                 |
| 7824                                | $7 : 3 \times 2$ | 42    | 1425600 | 9522, 10249, 10647 (7)               | 2428 (2), 2432, 2433 (2), 3279 (2), 4916 (2), 5777, 5780, 5781, 5782, 5787, 5788, 5789 |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 7825                                | $S_3 \times 7$            | 42    | 950400  | 9523, 10248 (3),<br>10648                                 | 2430 (4), 3870 (2),<br>4917, 5783, 5786,<br>5792  |
| 7826                                | $D_{42}$                  | 42    | 950400  | 9523, 10247 (3),<br>10649 (7)                             | 3871 (2), 4912, 5784,<br>5792, 5793   |
| 7827                                | $21 : 2$                  | 42    | 950400  | 9523, 10251, 10650<br>(7)                                 | 3872 (2), 4914, 5785,<br>5792, 5795   |
| 7828                                | $7 : 3 : 2$               | 42    | 1900800 | 9524, 10251, 10651<br>(7)                                 | 3873 (2), 4914, 5794  |
| 7829                                | $D_{42}$                  | 42    | 950400  | 9523, 10250 (3),<br>10652 (7)                             | 4915, 5783, 5785,<br>5793   |
| 7830                                | $7 : 3 \times 2$          | 42    | 1900800 | 9524, 10248, 10653<br>(7)                                 | 4918, 5794  |
| 7831                                | 42                        | 42    | 950400  | 9523, 10248, 10654  | 4918, 5786, 5793,<br>5795   |
| 7832                                | $D_{10} \cdot 2 \times 2$ | 40    | 5987520 | 9527, 9528, 9526,<br>10498 (5)                            | 784, 788 (2), 1581,<br>3016 (2), 3017, 3292,<br>5803                                    |
| 7833                                | $D_{10} \cdot 2 \times 2$ | 40    | 5987520 | 9531, 9529, 9526,<br>10499 (5)                            | 785, 1582, 3018,<br>3296, 5803  |
| 7834                                | $D_{10} \cdot 2 \times 2$ | 40    | 5987520 | 9530, 9532, 9526,<br>10472 (5)                            | 786, 1583, 3019,<br>3309, 5803  |
| 7835                                | $D_{20} \times 2$         | 40    | 5987520 | 9532, 9528, 9534,<br>9529, 9533, 9525,<br>9535, 10500 (5) | 870, 1584, 3020,<br>3301, 5803  |
| 7836                                | $D_{10} \cdot 2 \times 2$ | 40    | 5987520 | 9527, 9529, 9530,<br>10501 (5)                            | 872, 1587, 3022,<br>3305, 5803  |
| 7837                                | $D_{10} \cdot 2 \times 2$ | 40    | 5987520 | 9531, 9528, 9530,<br>10502 (5)                            | 873, 1585, 3023, 3029<br>(2), 3303, 5803  |
| 7838                                | $D_{10} \cdot 2 \times 2$ | 40    | 5987520 | 9527, 9532, 9531,<br>10484 (5)                            | 1586, 3021, 3104 (2),<br>3302, 5803   |
| 7839                                | $D_{20} \cdot 2$          | 40    | 1496880 | 9537, 9544, 9536,<br>10465 (5)                            | 2370 (2), 3044, 3045,<br>3282 (2), 4990, 5804,<br>5805, 5806, 5815,<br>5824, 5835, 5837 |
| 7840                                | $D_{40}$                  | 40    | 1496880 | 9555, 9554, 9536,<br>10466 (5)                            | 2371 (2), 5034, 5805,<br>5839, 5846   |
| 7841                                | $D_8 \times 5$            | 40    | 1496880 | 9536, 9556, 9557,<br>10463                                | 2372 (2), 5033, 5805,<br>5840, 5845   |
| 7842                                | $D_{10} \cdot 2 \times 2$ | 40    | 1496880 | 9538 (2), 9544, 10473<br>(5)                              | 2397 (2), 3046, 3047,<br>3288 (2), 4993, 5806,<br>5807, 5808, 5816,<br>5829, 5831, 5836 |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups                               | Minimal Overgroups  |
| 7843                                | $D_{20} : 2$              | 40    | 1496880 | 9537, 9555, 9557, 10439 (5)                     | 2421 (2), 5035, 5805, 5842, 5844  |
| 7844                                | $D_{20} : 2$              | 40    | 1496880 | 9537, 9554, 9556, 10474 (5)                     | 2422 (2), 5032, 5805, 5841, 5843  |
| 7845                                | $D_{10} \cdot 2 \times 2$ | 40    | 498960  | 9539, 9541, 9540, 10493 (5)                     | 2823 (8), 3049, 3095, 3290 (6), 4949 (4), 4973 (4), 4986 (3), 5814 (3), 5825 (6)                              |
| 7846                                | $D_{10} \cdot 2 \times 2$ | 40    | 498960  | 9542 (2), 9544, 10503 (5)                       | 3024, 3057 (3), 4940 (6), 4959, 5804 (3), 5808 (3), 5809 (3), 5810, 5811 (3), 5818, 5821                      |
| 7847                                | $D_{10} \cdot 2 \times 2$ | 40    | 99792   | 9541, 9542, 9543, 10504 (5)                     | 3025, 3058 (5), 3284 (6), 4954 (5), 4961 (10), 5810 (10), 5814 (15)   |
| 7848                                | $D_{10} \cdot 2 \times 2$ | 40    | 997920  | 9543, 9545, 9542, 10464 (5)                     | 3026, 3059 (3), 4955 (3), 4960 (3), 4963, 5810, 5811 (3), 5813 (3)  |
| 7849                                | $D_{10} \cdot 2 \times 2$ | 40    | 1496880 | 9542, 9539, 9544, 10465 (5)                     | 3027, 3060, 3282 (2), 4938 (2), 4956, 5809, 5812, 5813, 5814, 5815, 5816, 5817                                |
| 7850                                | $D_{10} \cdot 2 \times 2$ | 40    | 1496880 | 9540, 9545, 9542, 10505 (5)                     | 3028, 3061, 3283 (2), 4957, 4962 (2), 5811 (2), 5814, 5817 (2)  |
| 7851                                | $D_{20} \times 2$         | 40    | 166320  | 9544 (3), 9562 (3), 9559, 10506 (5)             | 3065 (3), 3066, 4971, 4978, 4979 (2), 5812 (3), 5818 (3), 5819 (3), 5820, 5824 (9), 5829 (9), 5830 (3)        |
| 7852                                | $D_{20} \times 2$         | 40    | 498960  | 9544, 9543 (2), 9560 (2), 9557, 9554, 10507 (5) | 3067 (3), 3068, 4942 (6), 4984, 5805 (3), 5807 (3), 5810, 5813 (3), 5819, 5823, 5832 (3)                      |
| 7853                                | $D_{10} \cdot 2 \times 2$ | 40    | 498960  | 9544, 9545, 9541, 10508 (5)                     | 3069 (3), 3070, 3286 (6), 4943 (6), 4944 (12), 4989, 5806 (3), 5810, 5814 (3), 5820, 5822, 5825 (3), 5827 (3) |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups                                   | Minimal Overgroups   |
| 7854                                | $D_{10} \cdot 2 \times 2$ | 40    | 498960  | 9550 (2), 9544, 10509 (5)                           | 3071 (3), 3072, 3285 (6), 4991, 5815 (3), 5818, 5822, 5823, 5826 (3), 5836 (3), 5838 (3) |
| 7855                                | $20 : 2$                  | 40    | 498960  | 9547, 9546, 9544, 10508 (5)                         | 3073, 3074 (3), 3286 (6), 4992, 5816 (3), 5819, 5821, 5822, 5828 (3), 5833 (3), 5835 (3) |
| 7856                                | $D_{10} \cdot 2 \times 2$ | 40    | 498960  | 9545 (2), 9544, 10510 (5)                           | 3075 (3), 3076, 4994, 5817 (3), 5820, 5821, 5823, 5831 (3), 5834 (3), 5837 (3)           |
| 7857                                | $D_{10} \cdot 2 \times 2$ | 40    | 1496880 | 9539 (2), 9544, 10483 (5)                           | 3089, 3090, 4939 (4), 4982, 5804, 5807, 5812, 5825, 5826, 5833, 5834                     |
| 7858                                | $D_{20} \times 2$         | 40    | 1496880 | 9544, 9555, 9540 (2), 9556, 9561 (2), 10511 (5)     | 3091, 3092, 4941 (4), 4996, 5805, 5808, 5817, 5825, 5828, 5830, 5838                     |
| 7859                                | $D_{20} \times 2$         | 40    | 498960  | 9544 (3), 9558 (3), 9553, 10512 (5)                 | 3093, 3094, 4935 (3), 4972, 5809, 5824 (3), 5826 (3), 5827, 5828 (3), 5831 (3), 5832     |
| 7860                                | $D_{10} \cdot 2 \times 2$ | 40    | 2993760 | 9539, 9545, 9540, 10513 (5)                         | 3096, 3097, 4974 (2), 4975 (2), 4995, 5817, 5825, 5834                                   |
| 7861                                | $D_{20} \times 2$         | 40    | 1496880 | 9549, 9548, 9543, 9544, 9552, 9540, 9551, 10514 (5) | 3123, 3124, 3287 (2), 4945 (2), 4988, 5811, 5814, 5830, 5832, 5834, 5835, 5836           |
| 7862                                | $D_{10} \cdot 2 \times 2$ | 40    | 1496880 | 9545 (2), 9544, 10475 (5)                           | 3125, 3126, 4946 (2), 4985, 5811, 5813, 5827, 5829, 5833, 5837, 5838                     |
| 7863                                | $D_{10} \cdot 2 \times 2$ | 40    | 1496880 | 9539, 9543, 9545, 10446 (5)                         | 3127, 3128, 3289 (2), 4983 (2), 4987, 5813 (2), 5814, 5834 (2)                           |
| 7864                                | $D_{20} \cdot 2$          | 40    | 1496880 | 9546, 9548, 9536, 10505 (5)                         | 3283 (2), 5028, 5835, 5839, 5845   |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups                               | Minimal Overgroups                           |
| 7865                                | $2 \times 20$             | 40    | 1496880 | 9536, 9547, 9549, 10504                         | 3284 (2), 5029, 5835, 5840, 5846             |
| 7866                                | $Q_{20} \times 2$         | 40    | 1496880 | 9546, 9537, 9549, 10446 (5)                     | 3289 (2), 5031, 5835, 5841, 5844             |
| 7867                                | $D_{20} \cdot 2$          | 40    | 1496880 | 9537, 9548, 9547, 10493 (5)                     | 3290 (2), 5030, 5835, 5842, 5843             |
| 7868                                | $D_{10} \cdot 2 \times 2$ | 40    | 2993760 | 9552, 9538, 9550, 10515 (5)                     | 3307, 3308, 5027, 5836                       |
| 7869                                | $D_{10} \cdot 2 \times 2$ | 40    | 2993760 | 9551, 9538, 9550, 10472 (5)                     | 3309, 3310, 5026, 5836                       |
| 7870                                | $D_8 \times 5$            | 40    | 1496880 | 9536, 9553, 9559, 10516                         | 4933, 4934, 4950 (2), 5004, 5824, 5839, 5840 |
| 7871                                | $D_{20} \times 2$         | 40    | 498960  | 9554 (3), 9548 (3), 9553, 10517 (5)             | 4936 (3), 5012, 5832, 5839 (3), 5843 (3)     |
| 7872                                | $2^2 \times 10$           | 40    | 498960  | 9557 (3), 9549 (3), 9553, 10518                 | 4937 (3), 5013, 5832, 5840 (3), 5844 (3)     |
| 7873                                | $D_{20} \times 2$         | 40    | 1496880 | 9560 (2), 9558, 9549, 9552 (2), 9554, 10519 (5) | 4947 (2), 5015, 5832, 5841, 5846             |
| 7874                                | $D_{20} \times 2$         | 40    | 1496880 | 9560 (2), 9551 (2), 9557, 9548, 9558, 10494 (5) | 4948 (2), 5014, 5832, 5842, 5845             |
| 7875                                | $D_{20} : 2$              | 40    | 498960  | 9546, 9554, 9559, 10520 (5)                     | 4997, 5008, 5819, 5839 (3), 5841 (3)         |
| 7876                                | $Q_{20} : 2$              | 40    | 1496880 | 9555, 9546, 9553, 10445 (5)                     | 4998, 5025, 5828, 5839, 5844                 |
| 7877                                | $D_8 \times 5$            | 40    | 1496880 | 9556, 9553, 9547, 10521                         | 4999, 5023, 5828, 5840, 5843                 |
| 7878                                | $D_8 \times 5$            | 40    | 498960  | 9547, 9559, 9557, 10492                         | 5000, 5009, 5819, 5840 (3), 5842 (3)         |
| 7879                                | $D_{20} : 2$              | 40    | 1496880 | 9537, 9558, 9559, 10495 (5)                     | 5001, 5005 (2), 5006, 5824, 5841, 5842       |
| 7880                                | $D_{20} \times 2$         | 40    | 498960  | 9555 (3), 9548 (3), 9559, 10496 (5)             | 5002, 5007, 5830, 5839 (3), 5842 (3)         |
| 7881                                | $2^2 \times 10$           | 40    | 498960  | 9549 (3), 9556 (3), 9559, 10522                 | 5003, 5010, 5830, 5840 (3), 5841 (3)         |
| 7882                                | $D_{20} : 2$              | 40    | 1496880 | 9537, 9562, 9553, 10435 (5)                     | 5011, 5016, 5824, 5843, 5844                 |
| 7883                                | $D_{40}$                  | 40    | 1496880 | 9558, 9562, 9536, 10523 (5)                     | 5017, 5824, 5845, 5846                       |
| 7884                                | $D_{20} \times 2$         | 40    | 1496880 | 9556, 9548, 9561 (2), 9562, 9552 (2), 10524 (5) | 5018, 5830, 5843, 5845                       |

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| Nr.                                 | Structure         | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups  |
| 7885                                | $D_{20} \times 2$ | 40    | 1496880 | 9549, 9555, 9561 (2),<br>9562, 9551 (2), 10525<br>(5) | 5019, 5830, 5844,<br>5846   |
| 7886                                | $D_{40}$          | 40    | 498960  | 9562, 9547, 9554,<br>10526 (5)                        | 5020, 5819, 5843 (3),<br>5846 (3)   |
| 7887                                | $D_{20} : 2$      | 40    | 498960  | 9546, 9562, 9557,<br>10436 (5)                        | 5021, 5819, 5844 (3),<br>5845 (3)   |
| 7888                                | $D_{20} : 2$      | 40    | 1496880 | 9546, 9556, 9558,<br>10527 (5)                        | 5022, 5828, 5841,<br>5845   |
| 7889                                | $D_{40}$          | 40    | 1496880 | 9555, 9547, 9558,<br>10497 (5)                        | 5024, 5828, 5842,<br>5846   |
| 7890                                | $S_3 \times S_3$  | 36    | 3326400 | 9610, 9577, 9597,<br>10382 (3), 10254 (3)             | 1115 (2), 3943, 4215,<br>5094, 5109, 5853,<br>5931, 6083  |
| 7891                                | $S_3 \times 6$    | 36    | 3326400 | 9579, 9612, 9597,<br>10255, 10383 (3)                 | 1116 (2), 3944, 4223,<br>5100, 5118, 5853,<br>5947, 5957  |
| 7892                                | $D_{36}$          | 36    | 4435200 | 9635, 9634, 9564,<br>10281 (3)                        | 1122, 5041, 5042  |
| 7893                                | $A_4 \times 3$    | 36    | 554400  | 10257 (2), 10258,<br>10357, 10415 (4)                 | 1130 (3), 5066, 5854<br>(3), 5855, 5856 (3),<br>5857 (3), 5858, 5859,<br>5860 (3)   |
| 7894                                | $A_4 \times 3$    | 36    | 3326400 | 10259 (2), 10365,<br>10260, 10416 (4)                 | 1131, 4212 (2), 5848,<br>5861, 5862   |
| 7895                                | $S_3 \times S_3$  | 36    | 138600  | 9572 (2), 9584, 10271<br>(6)                          | 1600 (2), 5043 (4),<br>5082 (4), 5863 (6),<br>5864, 5865 (6), 5866<br>(3), 5867 (3), 5924,<br>6104 (6), 6128, 6134<br>(6), 6170 (3), 6171<br>(3)                                      |
| 7896                                | $3 : S_3 \cdot 2$ | 36    | 415800  | 9584, 10672 (9)                                       | 1607 (4), 3852 (4),<br>5045 (4), 5101 (4),<br>5863 (2), 5868, 5869,<br>5870, 5877 (2), 5890<br>(2), 5891 (2), 5942,<br>6045, 6132 (2), 6133<br>(2), 6159 (2), 6170,<br>6175 (2), 6200 |

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| Nr.                                 | Structure         | Order | Length   | Maximal Subgroups                      | Minimal Overgroups   |
| 7897                                | $S_3 \times S_3$  | 36    | 138600   | 9565 (2), 9584, 10278 (6)              | 1608 (6), 5081 (4), 5108 (4), 5866 (3), 5868 (3), 5872, 5873 (3), 5884 (6), 5897 (3), 5901 (6), 5959, 6129, 6132 (6), 6138 (6)                                   |
| 7898                                | $S_3 \times S_3$  | 36    | 1108800  | 9566 (2), 9603, 10252 (6)              | 1609 (3), 5141, 5142, 5871, 5882 (3), 5907 (3)   |
| 7899                                | $3 : S_3 \cdot 2$ | 36    | 1108800  | 9603, 10673 (9)                        | 1610 (3), 5145, 5146, 5871, 5888 (3), 5907 (3)   |
| 7900                                | $3 : S_3 \cdot 2$ | 36    | 138600   | 9584, 10674 (9)                        | 1611 (6), 5083 (4), 5110 (4), 5867 (3), 5870 (3), 5872, 5874 (3), 5886 (6), 5898 (3), 5901 (6), 5960, 6127, 6133 (6), 6135 (6)                                   |
| 7901                                | $S_3 \times S_3$  | 36    | 415800   | 9567 (2), 9584, 10276 (6)              | 1612 (4), 3853 (4), 5047 (4), 5112 (4), 5865 (2), 5869, 5873, 5874, 5876 (2), 5891 (2), 5894 (2), 5943, 6029, 6135 (2), 6138 (2), 6160 (2), 6171, 6175 (2), 6201 |
| 7902                                | $S_3 \times 6$    | 36    | 831600   | 9602, 9567, 9565, 10346, 10345 (3)     | 1613 (4), 5873, 5893 (2), 5895 (2), 6164 (2), 6225, 6226 (2), 6230   |
| 7903                                | $S_3 \times S_3$  | 36    | 831600   | 9565, 9601, 9567, 10347 (3), 10348 (3) | 1614 (4), 5873, 5893 (2), 5896 (2), 6166 (2), 6220, 6221 (2), 6231   |
| 7904                                | $S_3 \times S_3$  | 36    | 13305600 | 9571, 9568, 9596, 10338 (3), 10337 (3) | 1689, 3949, 5040, 5138   |
| 7905                                | $S_3 \times S_3$  | 36    | 6652800  | 9569, 9609, 9570, 10338 (3), 10369 (3) | 1690 (2), 3965, 5040 (2), 5044, 5134, 5140, 6088   |

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| Nr.                                 | Structure         | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 7906                                | $S_3 \times S_3$  | 36    | 1663200 | 9572, 9601, 9567,<br>10369 (3), 10370 (3) | 1718 (2), 5044 (2),<br>5117 (2), 5865, 5893,<br>5896, 6107, 6136,<br>6219, 6229  |
| 7907                                | $S_3 \times 6$    | 36    | 1663200 | 9567, 9602, 9572,<br>10342, 10296 (3)     | 1719 (2), 5046 (2),<br>5119 (2), 5865, 5893,<br>5895, 6108, 6136,<br>6224, 6228  |
| 7908                                | $3 : S_3 \cdot 2$ | 36    | 138600  | 9584, 10675 (9)                           | 1720 (2), 5048 (4),<br>5084 (4), 5864, 5876<br>(6), 5877 (6), 5897<br>(3), 5898 (3), 5941,<br>6105 (6), 6126, 6134<br>(6), 6200 (3), 6201<br>(3) |
| 7909                                | $S_3 \times S_3$  | 36    | 3326400 | 9566 (2), 9611, 10262<br>(6)              | 1732, 5143 (2), 5850,<br>5882, 5883  |
| 7910                                | $3 : S_3 \cdot 2$ | 36    | 3326400 | 9611, 10676 (9)                           | 1733, 2365, 2479,<br>5850, 5875, 5883  |
| 7911                                | $S_3 \times S_3$  | 36    | 831600  | 9565 (2), 9585, 10261<br>(6)              | 1734 (2), 5107 (4),<br>5849 (2), 5884, 5892<br>(2), 6137 (2), 6161<br>(2), 6164, 6166  |
| 7912                                | $3 : S_3 \cdot 2$ | 36    | 831600  | 9585, 10676 (9)                           | 1735 (2), 2479 (2),<br>5849 (2), 5885, 5910<br>(2), 6005 (2), 6162<br>(2), 6163, 6165  |
| 7913                                | $S_3 \times S_3$  | 36    | 831600  | 9572, 9585, 9565,<br>10373 (3), 10372 (3) | 1736 (2), 5866, 5892<br>(2), 5893 (2), 6215<br>(2), 6230, 6231, 6232<br>(2)  |
| 7914                                | $S_3 \times 6$    | 36    | 831600  | 9572, 9583, 9565,<br>10343, 10344 (3)     | 1737 (2), 5866, 5879,<br>5892, 5895, 5896,<br>5899, 5900, 6155,<br>6202, 6214, 6215,<br>6218, 6220, 6225,<br>6227                                |
| 7915                                | $S_3 \times 6$    | 36    | 831600  | 9583, 9565 (2),<br>10353, 10376 (3)       | 1769 (2), 5061 (4),<br>5879, 5884, 5892,<br>5902, 5903, 5904,<br>5905, 5990, 6001,<br>6106, 6109, 6119,<br>6204, 6221, 6226                      |

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| Nr.                                 | Structure         | Order | Length  | Maximal Subgroups                   | Minimal Overgroups   |
| 7916                                | $S_3 \times 6$    | 36    | 831600  | 9583, 9567 (2),<br>10364, 10377 (3) | 1770 (2), 5881, 5894,<br>5895, 5896, 5902,<br>5905, 5906, 6120,<br>6203, 6207, 6208,<br>6213, 6216, 6219,<br>6224  |
| 7917                                | $6 \cdot S_3$     | 36    | 831600  | 9583, 10286, 10289<br>(3)           | 1771 (2), 2477 (2),<br>5881, 5887, 5899,<br>5900, 5903, 5904,<br>5906, 5991, 6002,<br>6003, 6004, 6157,<br>6217, 6222, 6223                                |
| 7918                                | $S_3 \times 6$    | 36    | 3326400 | 9566 (2), 9613,<br>10252, 10365 (3) | 1777, 5142 (2), 5882,<br>5908, 5909  |
| 7919                                | $6 \cdot S_3$     | 36    | 3326400 | 9613, 10290, 10291<br>(3)           | 1778, 2482, 5889,<br>5908, 5909  |
| 7920                                | $S_3 \times S_3$  | 36    | 831600  | 9567 (2), 9585, 10379<br>(6)        | 1779 (2), 5893 (2),<br>5894, 5910 (2), 6207<br>(2), 6228, 6229, 6234<br>(2)  |
| 7921                                | $3 : S_3 \cdot 2$ | 36    | 3326400 | 9628, 10676 (9)                     | 2366, 2479, 5916,<br>5917, 5918  |
| 7922                                | $S_3 \times S_3$  | 36    | 138600  | 9584, 9575 (2), 10267<br>(6)        | 2367 (2), 3938 (8),<br>5049 (4), 5071 (4),<br>5863 (6), 5868 (3),<br>5874 (3), 5876 (6),<br>5919 (6), 5920, 5921<br>(6), 5922 (3), 5923<br>(3), 5924, 6126 |
| 7923                                | $6 \times S_3$    | 36    | 831600  | 9575 (2), 9583,<br>10267, 10357 (3) | 2369 (2), 3993 (2),<br>4039 (2), 5049 (4),<br>5919, 5925, 5926,<br>5927, 5928, 5929,<br>5930, 5985, 5992,<br>5993, 5994, 6061,<br>6067, 6071, 6072         |
| 7924                                | $S_3 \times S_3$  | 36    | 831600  | 9575 (2), 9585, 10275<br>(6)        | 2373 (2), 3996 (4),<br>5053 (4), 5849 (2),<br>5851 (2), 5919, 5926<br>(2), 5933 (2), 5937,<br>5938   |

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| Nr.                                 | Structure         | Order | Length  | Maximal Subgroups                         | Minimal Overgroups  |
| 7925                                | $S_3 \times S_3$  | 36    | 3326400 | 9573, 9574, 9610,<br>10275 (3), 10263 (3) | 2374, 2375, 3995,<br>3998, 4044 (2), 5052,<br>5053, 5931, 5932,<br>5934   |
| 7926                                | $S_3 \times S_3$  | 36    | 1663200 | 9576 (2), 9611, 10263<br>(6)              | 2376 (2), 3997 (2),<br>5052 (2), 5850 (2),<br>5935, 5936 (2)  |
| 7927                                | $S_3 \times 6$    | 36    | 3326400 | 9577, 9578, 9573,<br>10268, 10294 (3)     | 2377, 3007 (2), 4013,<br>4067, 5060, 5093,<br>5931, 5939, 5955  |
| 7928                                | $S_3 \times 6$    | 36    | 3326400 | 9580, 9579, 9573,<br>10269, 10297 (3)     | 2378, 3012 (2), 4017,<br>4071, 5063, 5105,<br>5932, 5939, 5957  |
| 7929                                | $S_3 \times 6$    | 36    | 1108800 | 9581, 9582, 9573,<br>10270, 10302 (3)     | 2379, 3013 (6), 4009,<br>4060 (3), 4084 (2),<br>5058, 5079, 5934 (3),<br>5939 (3), 5953                                   |
| 7930                                | $3 : S_3 \cdot 2$ | 36    | 9240    | 9584, 10677 (9)                           | 2380, 3836 (36), 5050<br>(20), 5064 (20), 5924<br>(15), 5940, 5941 (15),<br>5942 (45), 5943 (45),<br>5959 (15), 5960 (15) |
| 7931                                | $S_3 \times S_3$  | 36    | 1108800 | 9598, 9574, 9577,<br>10354 (3), 10271 (3) | 2381, 3992, 4051 (3),<br>5051, 5082, 5931 (3),<br>5944, 5945 (3)  |
| 7932                                | $6 \times S_3$    | 36    | 3326400 | 9597, 9574, 9578,<br>10271, 10333 (3)     | 2385, 3994, 4052,<br>4182 (2), 5043, 5051,<br>5931, 5946, 5947  |
| 7933                                | $S_3 \times S_3$  | 36    | 1108800 | 9581, 9574, 9606,<br>10315 (3), 10274 (3) | 2386, 3999, 4054 (3),<br>4138 (6), 4201 (6),<br>5057, 5072, 5934 (3),<br>5944, 5946 (3)                                   |
| 7934                                | $S_3 \times S_3$  | 36    | 277200  | 9587, 9575, 9601,<br>10315 (3), 10273 (3) | 2387, 4000 (4), 4053<br>(4), 5056 (4), 5072<br>(4), 5920, 5927 (6),<br>5933 (6), 5974 (3),<br>5975 (3)                    |
| 7935                                | $6 \times S_3$    | 36    | 1108800 | 9599, 9574, 9579,<br>10272, 10355 (3)     | 2388, 4002, 4056 (3),<br>5059, 5085, 5932 (3),<br>5944, 5947 (3)  |
| 7936                                | $S_3 \times 6$    | 36    | 277200  | 9587, 9602, 9575,<br>10270, 10330 (3)     | 2389, 4001 (4), 4055<br>(4), 5058 (4), 5073<br>(4), 5920, 5928 (6),<br>5933 (6), 5973 (3),<br>5976 (3)                    |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 7937                                | $S_3 \times S_3$ | 36    | 3326400 | 9600, 9574, 9580,<br>10276 (3), 10334 (3) | 2390, 4004, 4063,<br>4202 (2), 5047, 5054,<br>5932, 5945, 5946                                     |
| 7938                                | $S_3 \times S_3$ | 36    | 1663200 | 9601, 9575, 9586,<br>10363 (3), 10277 (3) | 2391, 4003 (2), 4064<br>(2), 5055 (2), 5074<br>(2), 5921, 5927,<br>5929, 5933, 5938,<br>5970, 5972 |
| 7939                                | $S_3 \times 6$   | 36    | 1663200 | 9602, 9575, 9586,<br>10273, 10317 (3)     | 2392, 4005 (2), 4066<br>(2), 5056 (2), 5075<br>(2), 5921, 5928,<br>5930, 5933, 5937,<br>5970, 5971 |
| 7940                                | $S_3 \times 6$   | 36    | 3326400 | 9582, 9574, 9612,<br>10274, 10317 (3)     | 2393, 4006, 4065,<br>4139 (2), 5057, 5075,<br>5934, 5945, 5947                                     |
| 7941                                | $S_3 \times S_3$ | 36    | 1108800 | 9603, 9576, 9605,<br>10353 (3), 10278 (3) | 2401, 4008, 4058 (3),<br>5061, 5081, 5935 (3),<br>5952, 5958 (3)                                   |
| 7942                                | $S_3 \times S_3$ | 36    | 1108800 | 9598, 9597, 9573,<br>10268 (3), 10349 (3) | 2402, 4007, 4057 (3),<br>5060, 5076, 5931 (3),<br>5953, 5957 (3)                                   |
| 7943                                | $S_3 \times 6$   | 36    | 1108800 | 9608, 9576, 9604,<br>10272, 10356 (3)     | 2403, 4010, 4059 (3),<br>5059, 5086, 5936 (3),<br>5952, 5954 (3)                                   |
| 7944                                | $S_3 \times S_3$ | 36    | 1108800 | 9576, 9604, 9607,<br>10279 (3), 10319 (3) | 2404, 4011, 4062 (3),<br>5062, 5080, 5936 (3),<br>5952, 5956 (3)                                   |
| 7945                                | $S_3 \times S_3$ | 36    | 1108800 | 9573, 9599, 9600,<br>10319 (3), 10269 (3) | 2405, 4012, 4061 (3),<br>5063, 5080, 5932 (3),<br>5953, 5955 (3)                                   |
| 7946                                | $6 \times S_3$   | 36    | 3326400 | 9605, 9576, 9613,<br>10278, 10376 (3)     | 2406, 4014, 4068,<br>5061, 5108, 5935,<br>5954, 5956   |
| 7947                                | $S_3 \times S_3$ | 36    | 3326400 | 9606, 9573, 9612,<br>10374 (3), 10277 (3) | 2407, 4016, 4069,<br>4081 (2), 5055, 5102,<br>5934, 5955, 5957                                     |
| 7948                                | $S_3 \times S_3$ | 36    | 3326400 | 9614, 9576, 9607,<br>10276 (3), 10384 (3) | 2408, 4015, 4070,<br>5054, 5112, 5936,<br>5956, 5958   |
| 7949                                | $S_3 \times 6$   | 36    | 3326400 | 9614, 9608, 9576,<br>10279, 10297 (3)     | 2409, 4018, 4072,<br>5062, 5105, 5936,<br>5954, 5958   |

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| Nr.                                 | Structure         | Order | Length | Maximal Subgroups                      | Minimal Overgroups   |
| 7950                                | $3 : S_3 \cdot 2$ | 36    | 554400 | 9627, 10678 (9)                        | 2411 (3), 5149, 5915, 5963 (3), 5964 (3), 5965, 5966, 5967 (3), 5968 (3)   |
| 7951                                | $S_3 \times 6$    | 36    | 831600 | 9630, 9583, 9575, 10275, 10321 (3)     | 2412, 5922, 5925, 5926, 5961, 5969, 5971, 5972, 5975, 5976, 5977, 5978, 5979, 5980, 5981, 5983                                     |
| 7952                                | $S_3 \times S_3$  | 36    | 831600 | 9585, 9630, 9575, 10268 (3), 10328 (3) | 2413, 5922, 5926 (2), 5969 (2), 5970 (2), 5973, 5974, 5982 (2)   |
| 7953                                | $S_3 \times S_3$  | 36    | 831600 | 9586, 9575, 9631, 10322 (3), 10269 (3) | 2414, 5923, 5929 (2), 5937 (2), 5973, 5975, 5982 (2), 5983 (2)   |
| 7954                                | $6 \times S_3$    | 36    | 831600 | 9586, 9575, 9632, 10277, 10329 (3)     | 2415, 5923, 5930 (2), 5938 (2), 5974, 5976, 5981 (2), 5982 (2)   |
| 7955                                | $3 \times 12$     | 36    | 415800 | 9583, 10285 (2), 10284 (2)             | 2438 (2), 5978 (2), 5985 (2), 5986, 5987, 5988 (2), 5989, 5990 (2), 5991 (2), 6099, 6181, 6193, 6195, 6197 (2), 6202 (2), 6203 (2) |
| 7956                                | $6 \cdot S_3$     | 36    | 415800 | 9583, 10282 (6), 10288 (6)             | 2467 (2), 5977 (2), 5986, 5992 (2), 5998 (2), 5999, 6000, 6001 (2), 6002 (2), 6139, 6149, 6190, 6194, 6199 (2), 6214 (2), 6216 (2) |
| 7957                                | $6 \cdot S_3$     | 36    | 831600 | 9583, 10287, 10283 (3)                 | 2471 (2), 5979, 5980, 5988, 5993, 5994, 5995, 5996, 5997, 5998, 6144, 6151, 6182, 6188, 6191, 6192                                 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups  |
| 7958                                | $6 \times S_3$ | 36    | 1108800 | 9577, 9581, 9579,<br>10306, 10295 (3)           | 3008 (6), 4137 (3),<br>4187, 5089, 5099,<br>5853 (3), 5939 (3),<br>5944   |
| 7959                                | $S_3 \times 6$ | 36    | 3326400 | 9582, 9577, 9580,<br>10307, 10296 (3)           | 3009 (2), 4218, 4219,<br>5097, 5119, 5939,<br>5945, 6083  |
| 7960                                | $S_3 \times 6$ | 36    | 3326400 | 9581, 9578, 9580,<br>10300, 10296 (3)           | 3010 (2), 4112 (2),<br>4140 (2), 4184, 4210,<br>5046, 5097, 5124 (2),<br>5939, 5946, 6050   |
| 7961                                | $6^2$          | 36    | 3326400 | 9582, 9578, 9579,<br>10295, 10309, 10308<br>(2) | 3011 (2), 4205, 4206,<br>5099, 5120, 5939,<br>5947, 6075  |
| 7962                                | $A_4 \times 3$ | 36    | 277200  | 10304 (2), 10301,<br>10305, 10413 (4)           | 3014 (12), 3837 (2),<br>4149 (3), 4167 (4),<br>4213 (6), 5065, 5913,<br>5948 (3), 6006 (3),<br>6007 (3), 6011, 6033,<br>6036, 6038 (3), 6051,<br>6052 (3), 6053, 6054,<br>6077 (3), 6091 (3),<br>6095 (3) |
| 7963                                | $6 \cdot S_3$  | 36    | 831600  | 9583, 10313, 10284<br>(3)                       | 3838 (4), 4142 (2),<br>4146 (2), 5977, 5978,<br>6013, 6014, 6015,<br>6061, 6067, 6073,<br>6074, 6110, 6176,<br>6191, 6192, 6196,<br>6198  |
| 7964                                | $A_4 \times 3$ | 36    | 277200  | 10258 (2), 10314,<br>10357, 10413 (4)           | 3839 (2), 4149 (3),<br>5066, 5912, 5951<br>(3), 6012, 6016 (3),<br>6017, 6019, 6021 (3),<br>6024 (3), 6055, 6057,<br>6059, 6087 (3), 6090<br>(3), 6093 (3), 6094<br>(3)                                   |

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| Nr.                                 | Structure      | Order | Length | Maximal Subgroups                      | Minimal Overgroups   |
| 7965                                | $A_4 \times 3$ | 36    | 27720  | 10327 (2), 10305, 10326, 10414 (4)     | 3840 (5), 3851 (6), 4150 (5), 5065 (10), 5852, 5911 (10), 5949 (10), 6018, 6020, 6022 (10), 6023 (10), 6041 (15), 6042 (15), 6043 (15), 6044 (15)  |
| 7966                                | $6 : S_3$      | 36    | 415800 | 9585, 9583, 9584, 10275 (6), 10263 (6) | 3841 (4), 3941 (4), 5052 (4), 5053 (4), 5866, 5884, 5885, 5886, 5887, 5890, 5894, 5898, 5919, 5922, 5942, 5986, 5997, 6013, 6025, 6026, 6027, 6028, 6029, 6046, 6047, 6048, 6100, 6103, 6104, 6105, 6111, 6159, 6160, 6167, 6168 |
| 7967                                | $6 \cdot S_3$  | 36    | 415800 | 9583, 10287 (6), 10320 (6)             | 3842 (4), 4162 (4), 5900 (2), 5902 (2), 5980 (2), 6014 (2), 6026, 6030 (2), 6062, 6068, 6071 (2), 6112, 6177 (2), 6187, 6190, 6193, 6209 (2)   |
| 7968                                | $S_3 \times 6$ | 36    | 831600 | 9587, 9583, 9586, 10315, 10317 (3)     | 3843 (4), 4163 (2), 4165 (2), 5056 (4), 5057 (4), 5927, 5928, 5975, 5976, 5988, 5998, 6014, 6015, 6025, 6064, 6070, 6101, 6102, 6114, 6173   |

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| Nr.                                 | Structure        | Order | Length | Maximal Subgroups                     | Minimal Overgroups  |
| 7969                                | $3 \times 12$    | 36    | 415800 | 9583, 10316 (2),<br>10303 (2)         | 3844 (4), 4164 (4),<br>5899 (2), 5905 (2),<br>5979 (2), 6015 (2),<br>6026, 6031 (2), 6066,<br>6069, 6072 (2), 6115,<br>6180 (2), 6189, 6194,<br>6195, 6211 (2)                        |
| 7970                                | $6 \cdot S_3$    | 36    | 831600 | 9583, 10318, 10298<br>(3)             | 3845 (4), 6027, 6030,<br>6031, 6117, 6119,<br>6202, 6204, 6205,<br>6208, 6210, 6212,<br>6213, 6214, 6222,<br>6223   |
| 7971                                | $S_3 \times 6$   | 36    | 831600 | 9583, 9588, 9567,<br>10319, 10297 (3) | 3846 (4), 5062 (4),<br>5063 (4), 5991, 6002,<br>6029, 6030, 6031,<br>6106, 6107, 6108,<br>6109, 6120, 6122,<br>6206, 6207, 6220,<br>6225  |
| 7972                                | $A_4 \times 3$   | 36    | 277200 | 10358, 10257 (2),<br>10314, 10417 (4) | 3847 (2), 4154 (3),<br>5066, 5914, 5950 (3),<br>6032, 6034, 6035,<br>6037 (3), 6039 (3),<br>6040 (3), 6056, 6058,<br>6060, 6092 (3), 6096<br>(3), 6097 (3), 6098<br>(3)               |
| 7973                                | $S_3 \times S_3$ | 36    | 415800 | 9586 (2), 9584, 10277<br>(6)          | 3848 (4), 3942 (4),<br>5074 (4), 5102 (4),<br>5867, 5891 (2), 5897,<br>5901 (2), 5921 (2),<br>5923, 5943, 6025,<br>6045, 6048 (2), 6130<br>(2), 6134 (2), 6168<br>(2), 6169, 6175 (2) |
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| Nr.                                 | Structure         | Order | Length  | Maximal Subgroups                      | Minimal Overgroups   |
| 7974                                | $S_3 \times S_3$  | 36    | 9240    | 9587 (2), 9584, 10270 (6)              | 3849 (36), 3939 (12), 5073 (20), 5079 (20), 5864 (15), 5869 (45), 5872 (15), 5920 (15), 5940, 6025 (45), 6125 (15)             |
| 7975                                | $S_3 \times S_3$  | 36    | 831600  | 9586, 9587, 9585, 10323 (3), 10306 (3) | 3850 (4), 4172 (2), 4173 (2), 5091 (4), 5103 (4), 5933 (2), 5973, 5974, 6025, 6070 (2), 6131 (2), 6173 (2)                     |
| 7976                                | $S_3 \times S_3$  | 36    | 9240    | 9588 (2), 9584, 10272 (6)              | 3854 (36), 5085 (20), 5086 (20), 5940, 6029 (45), 6045 (45), 6126 (15), 6127 (15), 6128 (15), 6129 (15)                        |
| 7977                                | $3 : S_3 \cdot 2$ | 36    | 831600  | 9585, 10679 (9)                        | 3855 (4), 5851 (2), 6028, 6161 (2), 6163, 6165, 6233 (2), 6234 (2)   |
| 7978                                | $S_3 \times S_3$  | 36    | 831600  | 9588, 9585, 9567, 10325 (3), 10324 (3) | 3856 (4), 5111 (4), 5113 (4), 6029, 6136 (2), 6137 (2), 6206 (2), 6207 (2), 6230, 6231   |
| 7979                                | $6 : S_3$         | 36    | 138600  | 9602, 9601, 9584, 10273 (6), 10274 (6) | 3940 (8), 5072 (4), 5075 (4), 5865 (6), 5870 (3), 5873 (3), 5877 (6), 5920, 5921 (6), 5941, 6047 (6), 6128, 6167 (3), 6169 (3) |
| 7980                                | $S_3 \times S_3$  | 36    | 6652800 | 9591, 9590, 9589, 10382 (3), 10253 (3) | 3945, 5094, 5125, 5126, 6049   |
| 7981                                | $S_3 \times S_3$  | 36    | 2217600 | 9593, 9589, 9592, 10281 (3), 10300 (3) | 3946 (3), 5042 (2), 5077, 5124, 5127, 6049 (3)   |
| 7982                                | $S_3 \times 6$    | 36    | 6652800 | 9589, 9594, 9595, 10280, 10383 (3)     | 3947, 5100, 5128, 5129, 6049   |
| 7983                                | $S_3 \times 6$    | 36    | 2217600 | 9590, 9594, 9593, 10306, 10308 (3)     | 3948, 5099, 5136 (3), 5139, 6049 (3)   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                 | Minimal Overgroups   |
| 7984                                | $S_3 \times S_3$ | 36    | 6652800 | 9590, 9595, 9592, 10338 (3), 10389 (3)            | 3950, 5095, 5138, 5140, 6049   |
| 7985                                | $S_3 \times S_3$ | 36    | 2217600 | 9593, 9595, 9591, 10339 (3), 10306 (3)            | 3951 (3), 5103 (3), 5135, 5136, 6049 (3)                               |
| 7986                                | $6 : S_3$        | 36    | 6652800 | 9592, 9591, 9594, 10389 (3), 10340 (3), 10337 (6) | 3952, 5106, 5137, 5138, 6049   |
| 7987                                | $6 : S_3$        | 36    | 3326400 | 9578, 9610, 9598, 10254 (3), 10382 (3), 10253 (6) | 4111 (2), 4203, 4204, 5094, 5109, 5125 (2), 5931, 6050, 6075           |
| 7988                                | $S_3 \times 6$   | 36    | 3326400 | 9578, 9599, 9612, 10341, 10383 (3)                | 4113 (2), 4207, 4208, 5098, 5118, 5129 (2), 5947, 5955, 6050           |
| 7989                                | $S_3 \times S_3$ | 36    | 1108800 | 9581, 9597, 9600, 10342 (3), 10300 (3)            | 4141 (6), 4147 (3), 4183, 5046, 5077, 5853 (3), 5946 (3), 5953         |
| 7990                                | $S_3 \times S_3$ | 36    | 369600  | 9598, 9581, 9599, 10350 (3), 10306 (3)            | 4143 (3), 4156 (3), 5078, 5089, 5139 (2), 5944 (3), 5953 (3), 6050 (9) |
| 7991                                | $6 : S_3$        | 36    | 1108800 | 9582, 9600, 9598, 10307 (3), 10342 (3), 10281 (6) | 4144 (3), 4185, 5077, 5119, 5945 (3), 5953, 6075 (3)                   |
| 7992                                | $S_3 \times 6$   | 36    | 1108800 | 9597, 9582, 9599, 10350, 10309 (3)                | 4148 (3), 4186, 5078, 5120, 5947 (3), 5953, 6083 (3)                   |
| 7993                                | $S_3 \times S_3$ | 36    | 184800  | 9603, 9604 (2), 10359 (6)                         | 4155 (6), 5090 (2), 5147 (2), 5871 (6), 5952 (6), 6085 (9)             |
| 7994                                | $S_3 \times 6$   | 36    | 1108800 | 9604, 9608, 9605, 10359, 10385 (3)                | 4157 (3), 4188, 5090, 5121, 5952, 5954 (3), 6084 (3)                   |
| 7995                                | $S_3 \times S_3$ | 36    | 1108800 | 9599, 9606, 9577, 10341 (3), 10361 (3)            | 4158 (3), 4189, 5088, 5098, 5944, 5955 (3), 6083 (3)                   |
| 7996                                | $S_3 \times S_3$ | 36    | 1108800 | 9607, 9604, 9605, 10386 (3), 10360 (3)            | 4159 (3), 4190, 5087, 5122, 5952, 5956 (3), 6084 (3)                   |
| 7997                                | $6 : S_3$        | 36    | 1108800 | 9579, 9598, 9606, 10361 (3), 10255 (3), 10280 (6) | 4160 (3), 4192, 5088, 5100, 5944, 5957 (3), 6075 (3)                   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                 | Minimal Overgroups   |
| 7998                                | $6 : S_3$      | 36    | 1108800 | 9607, 9603, 9608, 10368 (6), 10387 (3), 10360 (3) | 4161 (3), 4191, 5087, 5123, 5952, 5958 (3), 6086 (3)   |
| 7999                                | $6^2$          | 36    | 138600  | 9583 (3), 10326 (2), 10301 (2)                    | 4166 (4), 5065, 5879 (2), 5881 (6), 5961 (2), 6046, 6061 (6), 6062 (3), 6064 (2), 6066 (3), 6099 (3), 6117 (6), 6122 (2), 6139 (3), 6142, 6144 (6), 6147 |
| 8000                                | $A_4 \times 3$ | 36    | 554400  | 10304 (2), 10327, 10326, 10413 (4)                | 4167 (2), 4214 (2), 5065, 5962, 6008 (3), 6063 (3), 6065, 6141 (3), 6143 (3), 6146   |
| 8001                                | $6 : S_3$      | 36    | 415800  | 9583, 9585 (2), 10354 (6), 10378 (6)              | 4168 (4), 5892 (2), 5906 (2), 5969 (2), 6046, 6067 (2), 6068, 6069, 6070 (2), 6149, 6181, 6182 (2), 6183, 6185, 6205 (2), 6206 (2)                       |
| 8002                                | $6 : S_3$      | 36    | 831600  | 9585, 9601, 9602, 10323 (6), 10375 (6)            | 4169 (4), 5091 (2), 5092 (2), 5893 (2), 5933 (2), 5970 (2), 6047, 6136 (2), 6172, 6174   |
| 8003                                | $6^2$          | 36    | 415800  | 9602 (2), 9583, 10330 (2), 10302 (2)              | 4170 (4), 5058 (4), 5895 (2), 5904 (2), 5928 (2), 5971 (2), 5989, 5996 (2), 5999, 6047, 6066, 6068, 6074 (2), 6108 (2), 6153, 6172, 6212 (2)             |
| 8004                                | $6 : S_3$      | 36    | 415800  | 9601 (2), 9583, 10363 (6), 10374 (6)              | 4171 (4), 5055 (4), 5896 (2), 5903 (2), 5927 (2), 5972 (2), 5987, 5995 (2), 6000, 6047, 6062, 6069, 6073 (2), 6107 (2), 6150, 6174, 6210 (2)             |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                       | Minimal Overgroups  |
| 8005                                | $S_3 \times 6$   | 36    | 831600  | 9583, 9586 (2),<br>10335, 10355 (3)                     | 4174 (2), 4176 (2),<br>5981, 5983, 6048,<br>6064, 6070, 6071,<br>6072, 6073, 6074,<br>6151, 6178, 6179,<br>6188, 6197, 6199 |
| 8006                                | $S_3 \times S_3$ | 36    | 831600  | 9586 (2), 9585, 10361<br>(6)                            | 4175 (4), 5910 (2),<br>5982 (2), 6048, 6070<br>(2), 6184, 6186, 6233<br>(2)   |
| 8007                                | $S_3 \times S_3$ | 36    | 3326400 | 9597, 9606, 9580,<br>10336 (3), 10369 (3)               | 4197 (2), 4198, 4222,<br>5044, 5096, 5946,<br>5957, 6083  |
| 8008                                | $6 : S_3$        | 36    | 3326400 | 9578, 9600, 9606,<br>10338 (6), 10370 (3),<br>10336 (3) | 4199 (2), 4200, 4209,<br>5044, 5095, 5946,<br>5955, 6075  |
| 8009                                | $A_4 \times 3$   | 36    | 554400  | 10327 (2), 10304,<br>10301, 10418 (4)                   | 4211 (4), 5065, 5878,<br>5880 (3), 6080 (3),<br>6116 (3), 6123, 6140<br>(3), 6145   |
| 8010                                | $A_4 \times 3$   | 36    | 1663200 | 10388, 10371 (2),<br>10310, 10413 (4)                   | 4213, 4214, 6009,<br>6010, 6076, 6078,<br>6079, 6081, 6082  |
| 8011                                | $S_3 \times S_3$ | 36    | 3326400 | 9612, 9598, 9580,<br>10389 (3), 10369 (3)               | 4216, 4217, 5096,<br>5117, 5140 (2), 5945,<br>5957, 6050  |
| 8012                                | $S_3 \times S_3$ | 36    | 3326400 | 9612, 9577, 9600,<br>10389 (3), 10370 (3)               | 4220, 4221, 5095,<br>5117, 5853, 5945,<br>5955  |
| 8013                                | $S_3 \times S_3$ | 36    | 1663200 | 9605 (2), 9611, 10261<br>(6)                            | 4224 (2), 5107 (2),<br>5883 (2), 5935, 6084<br>(2)  |
| 8014                                | $6 : S_3$        | 36    | 1663200 | 9613, 9603, 9611,<br>10262 (6), 10261 (6)               | 4225 (2), 5107 (2),<br>5143 (2), 5875, 5882,<br>5888, 5889, 5935,<br>6085, 6086   |
| 8015                                | $6 : S_3$        | 36    | 3326400 | 9606, 9610, 9582,<br>10375 (3), 10323 (3),<br>10339 (6) | 4226, 4227, 4287 (2),<br>5092, 5103, 5934,<br>6075, 6083  |
| 8016                                | $S_3 \times S_3$ | 36    | 3326400 | 9610, 9581, 9612,<br>10306 (3), 10375 (3)               | 4228, 4229, 4283 (2),<br>5091, 5103, 5135 (2),<br>5853, 5934, 6050  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                 | Minimal Overgroups                                     |
| 8017                                | $S_3 \times S_3$ | 36    | 3326400 | 9614, 9604, 9611, 10324 (3), 10390 (3)            | 4230, 4231, 5104, 5111, 5131 (2), 5936, 6084, 6085     |
| 8018                                | $6 : S_3$        | 36    | 3326400 | 9611, 9607, 9608, 10390 (3), 10325 (3), 10337 (6) | 4232, 4233, 5106, 5111, 5936, 6084, 6086               |
| 8019                                | $S_3 \times S_3$ | 36    | 3326400 | 9580, 9599, 9610, 10324 (3), 10389 (3)            | 4234, 4235, 5104, 5113, 5137 (2), 5932, 6050, 6083     |
| 8020                                | $6 : S_3$        | 36    | 3326400 | 9610, 9600, 9579, 10389 (3), 10325 (3), 10340 (6) | 4236, 4237, 5106, 5113, 5853, 5932, 6075               |
| 8021                                | $S_3 \times 6$   | 36    | 3326400 | 9613, 9614, 9604, 10386, 10391 (3)                | 4238, 4239, 5115, 5122, 5148 (2), 5954, 5956, 6085     |
| 8022                                | $6^2$            | 36    | 1663200 | 9608 (2), 9613, 10385 (2), 10366 (2)              | 4240 (2), 5121 (2), 5909 (2), 5954 (2), 6086           |
| 8023                                | $S_3 \times 6$   | 36    | 3326400 | 9608, 9614, 9605, 10387, 10391 (3)                | 4241, 4242, 5115, 5123, 5954, 5958, 6084               |
| 8024                                | $6 : S_3$        | 36    | 1663200 | 9613, 9607 (2), 10367 (6), 10392 (6)              | 4243 (2), 5114 (2), 5908 (2), 5956 (2), 6086           |
| 8025                                | $S_3 \times S_3$ | 36    | 3326400 | 9614, 9607, 9605, 10392 (3), 10393 (3)            | 4244, 4245, 5114, 5116, 5956, 5958, 6084               |
| 8026                                | $S_3 \times S_3$ | 36    | 1663200 | 9614 (2), 9603, 10393 (6)                         | 4246 (2), 5116 (2), 5144 (2), 5907 (2), 5958 (2), 6085 |
| 8027                                | $S_3 \times S_3$ | 36    | 2217600 | 9618, 9615, 9617, 10368 (3), 10386 (3)            | 4273 (3), 5087, 5148, 6089 (3)                         |
| 8028                                | $S_3 \times S_3$ | 36    | 2217600 | 9619, 9609, 9616, 10280 (3), 10341 (3)            | 4275 (3), 5068, 5088, 5129, 6088 (3)                   |
| 8029                                | $6 : S_3$        | 36    | 2217600 | 9621, 9620, 9609, 10375 (9), 10339 (3)            | 4286 (3), 5092, 5130, 5135, 6088 (3)                   |
| 8030                                | $6 : S_3$        | 36    | 6652800 | 9622, 9615, 9623, 10337 (3), 10340 (6), 10390 (3) | 4296, 5106, 5131, 6089                                 |
| 8031                                | $S_3 \times S_3$ | 36    | 6652800 | 9624, 9622, 9617, 10262 (3), 10261 (3)            | 4298, 5107, 5143, 6089                                 |
| 8032                                | $S_3 \times S_3$ | 36    | 6652800 | 9616, 9620, 9569, 10254 (3), 10253 (3)            | 4302, 5067, 5109, 5125, 6088                           |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                      | Minimal Overgroups   |
| 8033                                | $S_3 \times S_3$ | 36    | 6652800 | 9618, 9622, 9625, 10324 (3), 10337 (3) | 4305, 5111, 5131, 5137 (2), 6089   |
| 8034                                | $S_3 \times S_3$ | 36    | 6652800 | 9619, 9620, 9570, 10340 (3), 10324 (3) | 4307, 5113, 5131 (2), 5132, 5137, 6088   |
| 8035                                | $S_3 \times S_3$ | 36    | 6652800 | 9624, 9615, 9625, 10393 (3), 10367 (3) | 4309, 5114, 5144, 6089   |
| 8036                                | $S_3 \times 6$   | 36    | 6652800 | 9621, 9616, 9570, 10281, 10296 (3)     | 4316, 5041 (2), 5069, 5119, 5124, 6088   |
| 8037                                | $S_3 \times 6$   | 36    | 2217600 | 9621, 9619, 9569, 10350, 10308 (3)     | 4318, 5120, 5133, 5139, 6088 (3)   |
| 8038                                | $6 \times S_3$   | 36    | 2217600 | 9624, 9618, 9623, 10359, 10366 (3)     | 4320, 5121, 5147, 6089 (3)   |
| 8039                                | $S_3 \times 6$   | 36    | 6652800 | 9623, 9625, 9617, 10368, 10391 (3)     | 4323, 5123, 5148, 6089   |
| 8040                                | $S_3 \times 6$   | 36    | 831600  | 9630 (2), 9583, 10354, 10333 (3)       | 5051 (4), 5961, 5969, 5985, 5992, 5995, 5996, 6100, 6101, 6102, 6110, 6176, 6177, 6178, 6179, 6180                                 |
| 8041                                | $6 : S_3$        | 36    | 415800  | 9631 (2), 9583, 10334 (6), 10384 (6)   | 5054 (4), 5983 (2), 5987, 5993 (2), 5999, 6003 (2), 6101 (2), 6103, 6106 (2), 6112, 6142, 6185, 6189, 6196 (2), 6208 (2), 6218 (2) |
| 8042                                | $6^2$            | 36    | 415800  | 9632 (2), 9583, 10355 (2), 10356 (2)   | 5059 (4), 5981 (2), 5989, 5994 (2), 6000, 6004 (2), 6102 (2), 6103, 6109 (2), 6115, 6147, 6183, 6187, 6198 (2), 6213 (2), 6227 (2) |
| 8043                                | $S_3 \times 6$   | 36    | 831600  | 9572 (2), 9583, 10349, 10294 (3)       | 5060 (4), 5990, 6001, 6003, 6004, 6104, 6107, 6108, 6117, 6155, 6205, 6209, 6211, 6215, 6219, 6224                                 |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 8044                                | $A_4 \times 3$   | 36    | 554400  | 10257, 10258 (2),<br>10358, 10419 (4)     | 5066, 6113 (3), 6118<br>(3), 6121, 6148 (3),<br>6152, 6154, 6156 (3)   |
| 8045                                | $6^2$            | 36    | 138600  | 9583 (3), 10357 (2),<br>10358 (2)         | 5066, 5925 (2), 6099<br>(3), 6110 (6), 6111,<br>6112 (3), 6114 (2),<br>6115 (3), 6119 (6),<br>6120 (2), 6149 (3),<br>6150, 6151 (6), 6153,<br>6155 (2), 6157 (6) |
| 8046                                | $S_3 \times S_3$ | 36    | 3326400 | 9627, 9629 (2), 10253<br>(6)              | 5067 (2), 5070 (4),<br>5126, 5964, 6124,<br>6158   |
| 8047                                | $S_3 \times S_3$ | 36    | 1108800 | 9627, 9637 (2), 10280<br>(6)              | 5068 (2), 5128, 5966,<br>6124 (3), 6158 (3)  |
| 8048                                | $6 : S_3$        | 36    | 554400  | 9636, 9633, 9627,<br>10281 (12)           | 5069 (4), 5127, 5968<br>(3), 6124 (6)  |
| 8049                                | $S_3 \times S_3$ | 36    | 6652800 | 9626 (2), 9628, 10253<br>(6)              | 5070 (2), 5125 (2),<br>5918  |
| 8050                                | $S_3 \times S_3$ | 36    | 138600  | 9630 (2), 9584, 10268<br>(6)              | 5076 (4), 5093 (4),<br>5922 (3), 5959, 6100<br>(6), 6125, 6127, 6130<br>(6), 6132 (6), 6135<br>(6), 6169 (3), 6170<br>(3), 6201 (3)                              |
| 8051                                | $S_3 \times S_3$ | 36    | 277200  | 9587, 9630, 9631,<br>10300 (3), 10307 (3) | 5077 (4), 5097 (4),<br>5973 (3), 5975 (3),<br>6101 (6), 6125, 6131<br>(6)  |
| 8052                                | $6 \times S_3$   | 36    | 277200  | 9630, 9587, 9632,<br>10306, 10309 (3)     | 5078 (4), 5099 (4),<br>5974 (3), 5976 (3),<br>6102 (6), 6125, 6131<br>(6)  |
| 8053                                | $6 : S_3$        | 36    | 138600  | 9584, 9631, 9632,<br>10269 (6), 10279 (6) | 5080 (4), 5105 (4),<br>5923 (3), 5960, 6103<br>(6), 6125, 6129, 6130<br>(6), 6133 (6), 6138<br>(6), 6167 (3), 6171<br>(3), 6200 (3)                              |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                         | Minimal Overgroups  |
| 8054                                | $S_3 \times S_3$ | 36    | 277200  | 9588, 9631, 9565,<br>10387 (3), 10386 (3) | 5087 (4), 5115 (4),<br>6106 (6), 6129, 6137<br>(6), 6220 (3), 6230<br>(3)             |
| 8055                                | $S_3 \times S_3$ | 36    | 277200  | 9588, 9601, 9572,<br>10255 (3), 10341 (3) | 5088 (4), 5118 (4),<br>6107 (6), 6128, 6136<br>(6), 6220 (3), 6231<br>(3)             |
| 8056                                | $S_3 \times 6$   | 36    | 277200  | 9588, 9602, 9572,<br>10350, 10295 (3)     | 5089 (4), 5120 (4),<br>6108 (6), 6128, 6136<br>(6), 6225 (3), 6230<br>(3)             |
| 8057                                | $S_3 \times 6$   | 36    | 277200  | 9632, 9588, 9565,<br>10359, 10385 (3)     | 5090 (4), 5121 (4),<br>6109 (6), 6129, 6137<br>(6), 6225 (3), 6231<br>(3)             |
| 8058                                | $S_3 \times S_3$ | 36    | 831600  | 9630 (2), 9585, 10382<br>(6)              | 5094 (4), 5969 (2),<br>6005 (2), 6100, 6131<br>(2), 6184, 6186, 6234<br>(2)           |
| 8059                                | $S_3 \times S_3$ | 36    | 1663200 | 9631, 9630, 9586,<br>10336 (3), 10389 (3) | 5095 (2), 5096 (2),<br>5982, 5983, 6101,<br>6130, 6131, 6178,<br>6186                 |
| 8060                                | $6 \times S_3$   | 36    | 1663200 | 9630, 9586, 9632,<br>10361, 10383 (3)     | 5098 (2), 5100 (2),<br>5981, 5982, 6102,<br>6130, 6131, 6179,<br>6184                 |
| 8061                                | $6 : S_3$        | 36    | 831600  | 9585, 9631, 9632,<br>10389 (6), 10390 (6) | 5104 (2), 5106 (2),<br>5982 (2), 6103, 6131<br>(2), 6137 (2), 6183,<br>6185, 6232 (2) |
| 8062                                | $S_3 \times S_3$ | 36    | 831600  | 9572 (2), 9585, 10254<br>(6)              | 5109 (4), 6005 (2),<br>6104, 6136 (2), 6215<br>(2), 6228, 6229, 6233<br>(2)           |
| 8063                                | $S_3 \times S_3$ | 36    | 1663200 | 9567, 9631, 9565,<br>10392 (3), 10393 (3) | 5114 (2), 5116 (2),<br>6106, 6137, 6138,<br>6164, 6218, 6221,<br>6232                 |

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| Nr.                                 | Structure         | Order | Length  | Maximal Subgroups                      | Minimal Overgroups   |
| 8064                                | $6 \times S_3$    | 36    | 1663200 | 9565, 9567, 9632, 10360, 10391 (3)     | 5122 (2), 5123 (2), 6109, 6137, 6138, 6166, 6226, 6227, 6232   |
| 8065                                | $6 \times S_3$    | 36    | 6652800 | 9629, 9637, 9636, 10339, 10308 (3)     | 5130, 5133, 5136, 6124   |
| 8066                                | $S_3 \times S_3$  | 36    | 6652800 | 9629, 9637, 9633, 10338 (3), 10340 (3) | 5132, 5134, 5138, 6124   |
| 8067                                | $3 : S_3 \cdot 2$ | 36    | 1663200 | 9627, 10679 (9)                        | 5150, 5967 (2), 5968, 6158 (2)   |
| 8068                                | $S_3 \times S_3$  | 36    | 831600  | 9567 (2), 9585, 10266 (6)              | 5851 (2), 6160, 6162 (2), 6164, 6166, 6206 (2), 6232 (2)   |
| 8069                                | $6 : S_3$         | 36    | 415800  | 9585 (2), 9583, 10328 (6), 10394 (6)   | 5926 (2), 6111, 6139, 6172, 6173 (2), 6174, 6176 (2), 6181, 6187, 6188 (2), 6189, 6204 (2), 6207 (2), 6215 (2), 6217 (2) |
| 8070                                | $6 : S_3$         | 36    | 415800  | 9601, 9631, 9583, 10322 (6), 10395 (6) | 5929 (2), 5975 (2), 6142, 6150, 6167, 6172, 6178 (2), 6183, 6192 (2), 6193, 6194, 6219 (2), 6220 (2), 6221 (2), 6222 (2) |
| 8071                                | $S_3 \times 6$    | 36    | 831600  | 9586 (2), 9583, 10363, 10329 (3)       | 5929, 5930, 5971, 5972, 6114, 6144, 6168, 6173, 6177, 6180, 6182, 6196, 6197, 6198, 6199                                 |
| 8072                                | $6^2$             | 36    | 415800  | 9632, 9602, 9583, 10317 (2), 10362 (2) | 5930 (2), 5976 (2), 6147, 6153, 6167, 6174, 6179 (2), 6185, 6190, 6191 (2), 6195, 6223 (2), 6224 (2), 6225 (2), 6226 (2) |
| 8073                                | $6 : S_3$         | 36    | 415800  | 9585, 9631, 9602, 10307 (6), 10264 (6) | 5937 (2), 5973 (2), 6163 (2), 6164 (2), 6167, 6172 (2), 6185 (2), 6186 (2), 6228 (2), 6230 (2)                           |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups                      | Minimal Overgroups   |
| 8074                                | $S_3 \times S_3$       | 36    | 831600  | 9585, 9586 (2), 10331 (6)              | 5937, 5938, 5970 (2), 6161 (2), 6162 (2), 6168, 6173 (2)                                       |
| 8075                                | $6 : S_3$              | 36    | 415800  | 9601, 9585, 9632, 10331 (6), 10265 (6) | 5938 (2), 5974 (2), 6165 (2), 6166 (2), 6167, 6174 (2), 6183 (2), 6184 (2), 6229 (2), 6231 (2) |
| 8076                                | $S_3 \times 6$         | 36    | 831600  | 9630, 9602, 9586, 10323, 10309 (3)     | 5970 (2), 5971 (2), 5973, 5976, 6169, 6179 (2), 6186 (2)                                       |
| 8077                                | $S_3 \times S_3$       | 36    | 831600  | 9630, 9586, 9601, 10332 (3), 10331 (3) | 5970 (2), 5972 (2), 5974, 5975, 6169, 6178 (2), 6184 (2)                                       |
| 8078                                | $S_3 \times 6$         | 36    | 831600  | 9583, 9567 (2), 10352, 10299 (3)       | 6122, 6157, 6160, 6203, 6206, 6209, 6210, 6211, 6212, 6216, 6217, 6218, 6221, 6226, 6227       |
| 8079                                | $S_3 \times 6$         | 36    | 831600  | 9632, 9572, 9567, 10351, 10380 (3)     | 6171, 6224 (2), 6225, 6227 (2), 6229 (2), 6231, 6232 (2)                                       |
| 8080                                | $S_3 \times S_3$       | 36    | 831600  | 9572, 9631, 9567, 10256 (3), 10381 (3) | 6171, 6218 (2), 6219 (2), 6220, 6228 (2), 6230, 6232 (2)                                       |
| 8081                                | 35                     | 35    | 570240  | 10633, 10671                           | 5151, 6235, 6236, 6237   |
| 8082                                | $D_8 : 4$              | 32    | 3742200 | 9701, 9638, 9639                       | 529 (2), 6238, 6620, 6958  |
| 8083                                | $2^{1+4}$              | 32    | 311850  | 9663 (3), 9639 (6), 9664 (6)           | 536 (4), 5171 (4), 6238 (6), 6240, 6241 (6), 6711 (3), 7089 (3)                                |
| 8084                                | $8 : 2 : 2$            | 32    | 935550  | 9663, 9638 (2)                         | 537 (4), 6238 (2), 6242, 6243 (2), 6642, 7086, 7088 (2), 7102 (2)                              |
| 8085                                | $Q_8 : 2^2$            | 32    | 3742200 | 9721, 9642 (2), 9638, 9639, 9640 (2)   | 538 (2), 6238, 6620, 6728  |
| 8086                                | $D_8 \times 2 \cdot 2$ | 32    | 935550  | 9666 (2), 9663                         | 539 (4), 6239 (2), 6240, 6243 (2), 6648, 6667 (2), 6735 (2), 7089                              |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups                           | Minimal Overgroups   |
| 8087                                | $2 \times 4 : 2 : 2$   | 32    | 935550  | 9663, 9665 (2)                              | 540 (4), 6239 (2), 6241 (2), 6242, 6649, 7086, 7100 (2), 7105 (2)  |
| 8088                                | $D_8 \times 2 \cdot 2$ | 32    | 3742200 | 9724, 9665, 9664                            | 545 (2), 6241, 6632, 6797  |
| 8089                                | $Q_8 : 2^2$            | 32    | 1871100 | 9824, 9641 (2), 10009, 10010, 9643 (2)      | 784 (4), 6244 (2), 6299 (2), 6726                                  |
| 8090                                | $Q_8 : 2^2$            | 32    | 3742200 | 9830, 9641, 9993, 9694, 9992, 9644, 9949    | 785 (2), 5584 (2), 6244, 6445, 7072                                |
| 8091                                | $Q_8 : 2^2$            | 32    | 3742200 | 9641, 9653, 9695, 9645, 9948, 10011, 9831   | 786 (2), 5491 (2), 6244, 6397, 6905                                |
| 8092                                | $Q_8 : 2^2$            | 32    | 3742200 | 9824, 9642 (2), 10012, 10013, 9640 (2)      | 788 (4), 6299, 6540, 6728  |
| 8093                                | $D_8 : 2^2$            | 32    | 3742200 | 9644, 9831, 9714, 10014, 10015, 9643, 9657  | 870 (2), 6244, 6246, 7092  |
| 8094                                | $Q_8 : 2^2$            | 32    | 3742200 | 9824, 9645, 10016, 9716, 10017, 9644, 10018 | 872 (2), 6244, 6730, 7107  |
| 8095                                | $Q_8 : 2^2$            | 32    | 3742200 | 9830, 9645, 9652, 9717, 9656, 9643, 10019   | 873 (2), 6244, 7064, 7082  |
| 8096                                | $Q_8 : 4$              | 32    | 1871100 | 9789, 9647, 9646                            | 1268 (4), 6245, 6625, 6901, 6902, 7080, 7094, 7095                 |
| 8097                                | $Q_8 : 4$              | 32    | 1871100 | 9795, 9649, 9646                            | 1269 (4), 5582 (2), 6245, 6435, 6446, 6448, 6790, 7081, 7097       |
| 8098                                | $8 : 2 \times 2$       | 32    | 1871100 | 9646, 9652 (2), 9648, 9806, 9653 (2)        | 1270 (4), 6245, 6626, 6905, 6906, 7052, 7082, 7098                 |
| 8099                                | $Q_8 : 4$              | 32    | 935550  | 9795, 9647, 9648                            | 1271 (8), 6245 (2), 6631 (2), 6634, 6757, 6792 (2), 6909, 7081 (2) |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 8100                                | $D_8 : 2^2$            | 32    | 1871100 | 9649, 9658, 9650 (2),<br>9784 (2), 9806, 9654,<br>9651 (2), 9655 (2),<br>9647, 9656, 9657 | 1272 (4), 6245, 6802,<br>6913, 6914, 7082,<br>7092, 7094  |
| 8101                                | $D_8 : 4$              | 32    | 1871100 | 9789, 9649, 9648  | 1273 (4), 6245, 6640,<br>6904, 6906, 7046,<br>7080, 7090  |
| 8102                                | $D_8 : 2^2$            | 32    | 1871100 | 10020, 9659 (2),<br>10021, 9866, 9643<br>(2)  | 1496 (2), 6246, 6247,<br>6249, 6726, 6959,<br>7064, 7065  |
| 8103                                | $D_8 : 2^2$            | 32    | 3742200 | 9715, 9660, 9714,<br>9659, 9865, 9949,<br>9644  | 1497 (2), 5174 (2),<br>6246, 6445, 7107   |
| 8104                                | $D_8 : 2^2$            | 32    | 3742200 | 9659, 10014, 10018,<br>9661, 9831, 9653,<br>9865  | 1498 (2), 6246, 6905,<br>7107   |
| 8105                                | $D_8 : 2^2$            | 32    | 1871100 | 9660, 10022, 10023,<br>9661, 10019, 10015,<br>9866  | 1499 (2), 6246, 6248,<br>6250, 6907, 6963,<br>7064, 7070  |
| 8106                                | $D_8 : 4$              | 32    | 1871100 | 10024, 10025, 9866  | 1500 (2), 6247, 6250,<br>6251, 6910, 6959,<br>7067, 7070  |
| 8107                                | $D_8 : 2^2$            | 32    | 1871100 | 9866, 10026, 9661<br>(2), 10027 (2), 10028  | 1501 (2), 6248, 6249,<br>6251, 6756, 6963,<br>7065, 7067  |
| 8108                                | $D_8 \times 2 : 2$     | 32    | 935550  | 9815, 9663, 9735 (2),<br>9737 (2), 9662   | 2499 (4), 3922 (2),<br>5275 (2), 6252, 6258<br>(2), 6277 (2), 6290,<br>6298, 6624 (2), 7085<br>(2)                      |
| 8109                                | $D_8 \times 2 : 2$     | 32    | 935550  | 9822, 9667, 9725 (2),<br>9738 (2), 9662   | 2500 (4), 5575 (2),<br>6252, 6265 (2), 6286<br>(2), 6292, 6433 (2),<br>6679, 7084 (2)                                   |
| 8110                                | $2^3 \cdot 2 \times 2$ | 32    | 935550  | 9662, 9740 (2), 9666,<br>9833, 9739 (2)   | 2501 (4), 6252, 6266<br>(2), 6285 (2), 6295,<br>6627 (2), 6678, 7083<br>(2)   |
| 8111                                | $2 \times 4 : 2 : 2$   | 32    | 3742200 | 9852, 9676 (2), 9664,<br>9679 (2), 9665   | 2502 (4), 6241, 6632,<br>6854   |
| 8112                                | $D_8 \times 2 : 2$     | 32    | 467775  | 9822, 9663, 9680 (2),<br>9681 (2), 9666   | 2503 (8), 6240 (2),<br>6242 (2), 6252 (2),<br>6256 (2), 6264 (2),<br>6636 (2), 6677, 6740<br>(2), 6950 (2), 7084<br>(2) |

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| Nr.                                 | Structure                | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 8113                                | $D_8 \times 2^2$         | 32    | 935550 | 9667, 9743, 9650 (4),<br>9663, 9741, 9833,<br>9832, 9668 (4), 9742                        | 2504 (4), 6252, 6271<br>(2), 6280 (2), 6298,<br>6676, 6802 (2), 7083<br>(2)                        |
| 8114                                | $2^3 \cdot 2 : 2$        | 32    | 935550 | 9667, 9730 (2), 9666,<br>9744 (2), 9815   | 2505 (4), 3926 (2),<br>5292 (2), 6252, 6261<br>(2), 6273 (2), 6295,<br>6296, 6639 (2), 7085<br>(2) |
| 8115                                | $D_8 \times 2^2$         | 32    | 935550 | 9670 (2), 9671 (2),<br>9672, 9682, 9675 (2),<br>9683 (2), 9684, 9669,<br>9822, 9841, 9685 | 2520 (4), 5497 (2),<br>6256, 6257 (2), 6286<br>(2), 6305, 6402 (2),<br>6719, 6950 (2)              |
| 8116                                | $2^3 \cdot 2 : 2$        | 32    | 935550 | 9826, 9673, 9663,<br>9840, 9669, 9686,<br>9677  | 2521 (4), 5252, 6256,<br>6258 (2), 6280 (2),<br>6457, 6537, 6554 (2),<br>6568 (2)                  |
| 8117                                | $D_8 \times 2^2$         | 32    | 311850 | 9672 (3), 9674 (3),<br>9681 (3), 9687 (3),<br>9840, 9678, 9848                            | 2523 (4), 5253, 6256<br>(3), 6260 (2), 6272<br>(6), 6462, 6533 (3),<br>6560 (2), 6594 (6)          |
| 8118                                | $2 \times 4 : 2 : 2$     | 32    | 935550 | 9669, 9689, 9844,<br>9666, 9674, 9688,<br>9850  | 2524 (4), 6256, 6261<br>(2), 6285 (2), 6500,<br>6718, 6900 (2), 6944<br>(2)                        |
| 8119                                | $D_8 \times 4$           | 32    | 935550 | 9672, 9844, 9786,<br>9690, 9680, 9673,<br>9691  | 2525 (4), 6256, 6262<br>(2), 6276 (2), 6504,<br>6835, 6892 (2), 6948<br>(2)                        |
| 8120                                | $2 \times 4 : 2 : 2$     | 32    | 935550 | 9841, 9693, 9674,<br>9680, 9673, 9692,<br>9851  | 2526 (4), 6256, 6263<br>(2), 6275 (2), 6510,<br>6835, 6896 (2), 6949<br>(2)                        |
| 8121                                | $2 \times 4 \cdot 2 : 2$ | 32    | 935550 | 9682, 9692, 9666,<br>9690, 9826, 9855,<br>9678  | 2527 (4), 5254, 6256,<br>6266 (2), 6273 (2),<br>6458, 6500, 6568 (2),<br>6571 (2)                  |
| 8122                                | $D_8 \times 4$           | 32    | 935550 | 9685, 9689, 9680,<br>9691, 9792, 9677,<br>9678  | 2528 (4), 5255, 6256,<br>6267 (2), 6279 (2),<br>6467, 6504, 6589 (2),<br>6591 (2)                  |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8123                                | $D_8 \times 2 : 2$   | 32    | 935550  | 9684, 9693, 9680,<br>9688, 9848, 9855,<br>9677  | 2529 (4), 5256, 6256,<br>6268 (2), 6278 (2),<br>6467, 6510, 6594 (2),<br>6596 (2)                      |
| 8124                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 9684, 9692, 9681,<br>9686, 9786, 9859,<br>9689  | 2530 (4), 6256, 6269<br>(2), 6283 (2), 6526,<br>6788, 6948 (2), 6951<br>(2)                            |
| 8125                                | $D_8 \times 2 : 2$   | 32    | 935550  | 9682, 9693, 9687,<br>9663, 9691, 9859,<br>9850  | 2531 (4), 6256, 6271<br>(2), 6277 (2), 6537,<br>6716, 6944 (2), 6945<br>(2)                            |
| 8126                                | $D_8 \times 2 : 2$   | 32    | 935550  | 9685, 9688, 9687,<br>9681, 9690, 9686,<br>9851  | 2532 (4), 6256, 6270<br>(2), 6284 (2), 6533,<br>6788, 6949 (2), 6952<br>(2)                            |
| 8127                                | $D_8 \cdot 2^2$      | 32    | 3742200 | 9694, 9641, 9717,<br>9716, 9715, 9695,<br>9714  | 2562 (4), 5251 (2),<br>5273 (2), 6244, 6397,<br>6445   |
| 8128                                | $D_8 \times 2^2$     | 32    | 623700  | 9815, 9699 (3), 9711,<br>9696 (3), 9669 (3),<br>9745 (3), 9837                            | 2570 (2), 5266, 5388<br>(3), 6257, 6258 (3),<br>6261 (3), 6300, 6329<br>(3), 6368, 6499 (3)            |
| 8129                                | $D_8 \times 2^2$     | 32    | 1871100 | 9822, 9696, 9727,<br>9734 (2), 9697 (2),<br>9704, 9670 (2), 9728,<br>9705, 9698 (2), 9838 | 2571 (2), 5173 (8),<br>5227 (4), 5411 (2),<br>5412 (2), 6257, 6264,<br>6265, 6286, 6301,<br>6399, 6444 |
| 8130                                | $D_8 \times 2^2$     | 32    | 1871100 | 9696, 9718, 9671 (2),<br>9700 (2), 9682, 9839,<br>9698 (2), 9746 (2),<br>9833, 9719, 9747 | 2572 (2), 5492 (2),<br>6257, 6266, 6271,<br>6302, 6398, 6696,<br>6709                                  |
| 8131                                | $D_8 \times 2^2$     | 32    | 623700  | 9834, 9709 (3), 9737<br>(3), 9748 (3), 9699<br>(3), 9703, 9840                            | 2573 (2), 5258, 5316,<br>6258 (3), 6259 (3),<br>6260, 6303, 6316 (3),<br>6335, 6460 (3)                |
| 8132                                | $D_8 \times 2^2$     | 32    | 1871100 | 9698 (2), 9704, 9683<br>(2), 9719, 9841,<br>9749, 9835, 9720 (2),<br>9750, 9699, 9751 (2) | 2574 (2), 5317, 6257,<br>6259, 6263, 6304,<br>6334, 6338, 6493   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8133                                | $D_8 \times 2^2$     | 32    | 1871100 | 9697, 9712, 9718, 9752, 9804, 9672, 9753, 9699, 9675, 9705, 9720, 9754, 9842, 9755, 9700 | 2575 (2), 5665, 6257, 6260, 6262, 6305, 6471, 6498, 6502                     |
| 8134                                | $D_8 \times 4$       | 32    | 1871100 | 9785, 9701, 9699, 9673, 9735, 9843, 9706   | 2576 (2), 5672, 6258, 6262, 6263, 6306, 6464, 6503, 6513                     |
| 8135                                | $D_8 \times 4$       | 32    | 1871100 | 9699, 9800, 9707, 9756, 9702, 9730, 9844   | 2577 (2), 5320, 6259, 6261, 6262, 6307, 6336, 6337, 6494                     |
| 8136                                | $D_8 \times 2^2$     | 32    | 1871100 | 9700 (2), 9713 (2), 9757 (2), 9758 (2), 9699, 9710, 9836, 9674, 9744, 9708, 9845         | 2578 (2), 5676, 6260, 6261, 6263, 6308, 6472, 6497, 6512                     |
| 8137                                | $4^2 : 2$            | 32    | 935550  | 9696 (2), 9701, 9663, 9709 (2), 9721   | 2581 (4), 6238 (2), 6239 (2), 6258 (2), 6264, 6271 (2), 6682, 6708           |
| 8138                                | $D_8 \times 4$       | 32    | 1871100 | 9705, 9702, 9680, 9722, 9704, 9701, 9710   | 2582 (2), 2583 (2), 6262, 6263, 6264, 6267, 6268, 6690, 6699                 |
| 8139                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9727, 9702, 9704, 9723, 9681, 9724, 9709   | 2584 (2), 2630 (2), 6259, 6264, 6270, 6272, 6283, 6683, 6703                 |
| 8140                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9728, 9702, 9710, 9666, 9729, 9723, 9696   | 2585 (2), 2631 (2), 6261, 6264, 6266, 6273, 6285, 6687, 6697                 |
| 8141                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9826, 9759, 9696, 9703, 9662, 9706, 9846   | 2587 (2), 5257, 5465 (2), 6258, 6265, 6266, 6309, 6347, 6490, 6514           |
| 8142                                | $D_8 \times 4$       | 32    | 1871100 | 9704, 9731, 9703, 9725, 9707, 9760, 9792   | 2588 (2), 3909 (4), 5259, 5308 (2), 6259, 6265, 6267, 6289, 6310, 6506, 6521 |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 8143                                | $D_8 \times 2^2$         | 32    | 623700  | 9705 (3), 9708 (3),<br>9738 (3), 9761 (3),<br>9703, 9847, 9848                            | 2589 (2), 5260, 5484<br>(2), 6260, 6265 (3),<br>6268 (3), 6311, 6313<br>(3), 6508, 6520 (3) |
| 8144                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 9696, 9762, 9707,<br>9850, 9708, 9849,<br>9667  | 2590 (2), 5557 (2),<br>6261, 6265, 6271,<br>6312, 6443, 6688,<br>6707                       |
| 8145                                | $D_8 \times 4$           | 32    | 1871100 | 9705, 9707, 9786,<br>9726, 9725, 9706,<br>9798  | 2591 (2), 3906 (4),<br>5360 (2), 6262, 6265,<br>6269, 6289, 6441,<br>6692, 6701             |
| 8146                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 9704, 9764, 9706,<br>9738, 9708, 9763,<br>9851  | 2592 (2), 5561 (2),<br>6263, 6265, 6270,<br>6313, 6442, 6694,<br>6706                       |
| 8147                                | $D_8 \times 4$           | 32    | 1871100 | 9797, 9701, 9677,<br>9711, 9703, 9765,<br>9735  | 2609 (2), 5187, 5188,<br>6258, 6267, 6268,<br>6306, 6314, 6325,<br>6327                     |
| 8148                                | $D_8 \times 2^2$         | 32    | 1871100 | 9705, 9709, 9732 (2),<br>9729, 9712 (2), 9713<br>(2), 9681, 9733 (2),<br>9710, 9852, 9838 | 2610 (2), 5228 (4),<br>6260, 6264, 6269,<br>6284, 6315, 6685,<br>6703                       |
| 8149                                | $2^3 \cdot 2 : 2$        | 32    | 1871100 | 9853, 9709, 9711,<br>9686, 9737, 9766,<br>9706  | 2611 (2), 5261, 6258,<br>6269, 6270, 6316,<br>6346, 6400, 6536                              |
| 8150                                | $D_8 \times 2^2$         | 32    | 623700  | 9705 (3), 9767 (3),<br>9684 (3), 9719 (3),<br>9854, 9711, 9835                            | 2612 (2), 5262, 6257,<br>6268 (3), 6269 (3),<br>6317, 6338 (3), 6414,<br>6518 (3)           |
| 8151                                | $D_8 \times 4$           | 32    | 1871100 | 9801, 9768, 9711,<br>9707, 9730, 9710,<br>9689  | 2613 (2), 5263, 6261,<br>6267, 6269, 6318,<br>6337, 6407, 6523                              |
| 8152                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 9703, 9739, 9856,<br>9702, 9855, 9769,<br>9719  | 2614 (2), 5264, 6259,<br>6266, 6268, 6319,<br>6328, 6511, 6519                              |
| 8153                                | $2^3 \times 4$           | 32    | 623700  | 9703, 9770 (3), 9710<br>(3), 9718 (3), 9802,<br>9740 (3), 9678                            | 2615 (2), 5265, 6260,<br>6266 (3), 6267 (3),<br>6320, 6326 (3), 6507,<br>6522 (3)           |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8154                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9708, 9857, 9711, 9771, 9702, 9688, 9744   | 2616 (2), 5267, 6261, 6268, 6270, 6321, 6413, 6512, 6517                     |
| 8155                                | $2^3 \times 4$         | 32    | 623700  | 9804, 9685 (3), 9772 (3), 9736, 9704 (3), 9718 (3), 9711                         | 2617 (2), 5268, 6257, 6267 (3), 6270 (3), 6322, 6410, 6502 (3), 6524 (3)     |
| 8156                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9719, 9859, 9707, 9741, 9709, 9773, 9858   | 2622 (2), 6259, 6269, 6271, 6323, 6527, 6684, 6702                           |
| 8157                                | $D_8 \times 2^2$       | 32    | 1871100 | 9720 (2), 9709, 9774 (2), 9687, 9708, 9775, 9718, 9713 (2), 9860, 9776 (2), 9832 | 2623 (2), 6260, 6270, 6271, 6324, 6530, 6686, 6704                           |
| 8158                                | $2 \times 4^2$         | 32    | 1871100 | 9718, 9691, 9788, 9701, 9742, 9777, 9707   | 2624 (2), 6262, 6267, 6271, 6325, 6503, 6689, 6698                           |
| 8159                                | $2^2 \times 4 \cdot 2$ | 32    | 1871100 | 9718, 9778, 9740, 9702, 9787, 9690, 9706   | 2625 (2), 6262, 6266, 6270, 6326, 6515, 6691, 6705                           |
| 8160                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9719, 9693, 9708, 9743, 9701, 9861, 9862   | 2626 (2), 6263, 6268, 6271, 6327, 6513, 6695, 6698                           |
| 8161                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9719, 9864, 9710, 9739, 9706, 9692, 9863   | 2627 (2), 6263, 6266, 6269, 6328, 6516, 6693, 6700                           |
| 8162                                | $2 \times 4 : 2 : 2$   | 32    | 935550  | 9728 (2), 9722 (2), 9663, 9724, 9852   | 2633 (4), 6241 (2), 6243 (2), 6264, 6277 (2), 6280 (2), 6708, 6714           |
| 8163                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9838, 9721, 9727, 9722, 9680, 9723, 9729   | 2634 (2), 2635 (2), 6264, 6275, 6276, 6278, 6279, 6699, 6782                 |
| 8164                                | $D_8 \times 4$         | 32    | 1871100 | 9797, 9702, 9731, 9730, 9678, 9777, 9736   | 2721 (2), 5189, 5190, 6267, 6272, 6273, 6307, 6319, 6321, 6326               |
| 8165                                | $2^3 \cdot 2 : 2$      | 32    | 1871100 | 9727, 9763, 9725, 9762, 9848, 9731, 9846   | 2726 (2), 5269, 5473 (4), 5475 (2), 6265, 6272, 6278, 6310, 6345, 6491, 6520 |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                              | Minimal Overgroups  |
| 8166                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9725, 9741, 9681,<br>9739, 9835, 9730,<br>9737 | 2727 (2), 2763 (2),<br>5270, 6252, 6259,<br>6269, 6272, 6284,<br>6344, 6421       |
| 8167                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9728, 9764, 9667,<br>9726, 9826, 9731,<br>9847 | 2728 (2), 5271, 5479<br>(2), 6265, 6273,<br>6280, 6312, 6341,<br>6501, 6514       |
| 8168                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 9726, 9692, 9729,<br>9773, 9854, 9853,<br>9730 | 2729 (2), 5272, 6269,<br>6273, 6275, 6336,<br>6342, 6403, 6516                    |
| 8169                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9834, 9721, 9735,<br>9846, 9745, 9766,<br>9677 | 2734 (2), 5274, 5638<br>(2), 5639, 6258,<br>6278, 6279, 6314,<br>6379, 6465, 6470 |
| 8170                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9853, 9748, 9673,<br>9735, 9759, 9721,<br>9837 | 2735 (2), 5276, 6258,<br>6275, 6276, 6379,<br>6464, 6534, 6535                    |
| 8171                                | $D_8 \times 4$       | 32    | 1871100 | 9801, 9722, 9691,<br>9736, 9760, 9770,<br>9735 | 2736 (2), 5277, 6267,<br>6276, 6277, 6409,<br>6468, 6470, 6503                    |
| 8172                                | $2^4 \cdot 2$        | 32    | 1871100 | 9804, 9742, 9680,<br>9730, 9725, 9740,<br>9735 | 2737 (2), 2762 (2),<br>5278, 6252, 6262,<br>6267, 6275, 6278,<br>6406, 6469       |
| 8173                                | $2^4 \cdot 2$        | 32    | 1871100 | 9802, 9768, 9677,<br>9742, 9731, 9722,<br>9772 | 2738 (2), 5279, 6267,<br>6278, 6280, 6325,<br>6465, 6466, 6505                    |
| 8174                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9767, 9743, 9722,<br>9771, 9847, 9856,<br>9677 | 2739 (2), 5280, 6268,<br>6279, 6280, 6327,<br>6466, 6470, 6509                    |
| 8175                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 9761, 9769, 9722,<br>9693, 9854, 9735,<br>9857 | 2740 (2), 5281, 6268,<br>6275, 6277, 6415,<br>6465, 6468, 6513                    |
| 8176                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9738, 9743, 9680,<br>9739, 9835, 9744,<br>9735 | 2741 (2), 2764 (2),<br>5282, 6252, 6263,<br>6268, 6276, 6279,<br>6412, 6469       |
| 8177                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9749, 9756, 9724,<br>9741, 9731, 9840,<br>9856 | 2742 (2), 5283, 6259,<br>6272, 6280, 6323,<br>6460, 6461, 6525                    |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8178                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9747, 9778, 9723, 9739, 9846, 9678, 9856   | 2743 (2), 5284, 6266, 6272, 6279, 6319, 6459, 6492, 6522                           |
| 8179                                | $D_8 \times 2^2$     | 32    | 623700  | 9727 (3), 9747 (3), 9749 (3), 9672 (3), 9835, 9736, 9837                         | 2744 (2), 5285, 6257, 6272 (3), 6276 (3), 6395, 6471, 6493 (3), 6531 (3)           |
| 8180                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9762, 9674, 9723, 9756, 9837, 9857, 9730   | 2745 (2), 5286, 6261, 6272, 6275, 6393, 6472, 6494, 6532                           |
| 8181                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 9763, 9687, 9724, 9778, 9736, 9857, 9737   | 2746 (2), 5287, 6270, 6272, 6277, 6422, 6460, 6473, 6530                           |
| 8182                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9750, 9730, 9723, 9773, 9731, 9834, 9855   | 2747 (2), 5288, 5351, 5603 (2), 6259, 6273, 6278, 6318, 6319, 6342, 6393           |
| 8183                                | $D_8 \times 2^2$     | 32    | 623700  | 9754 (3), 9744 (3), 9729 (3), 9775 (3), 9847, 9834, 9678                         | 2748 (2), 5289, 5646, 6260, 6273 (3), 6279 (3), 6320, 6321 (3), 6384, 6459 (3)     |
| 8184                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 9764, 9775, 9723, 9690, 9736, 9744, 9853   | 2749 (2), 5290, 6270, 6273, 6276, 6405, 6459, 6472, 6515                           |
| 8185                                | $D_8 \times 2^2$     | 32    | 623700  | 9728 (3), 9682 (3), 9750 (3), 9754 (3), 9854, 9736, 9815                         | 2750 (2), 5291, 5391 (3), 6257, 6273 (3), 6277 (3), 6302, 6331 (3), 6367, 6499 (3) |
| 8186                                | $D_8 \times 2^2$     | 32    | 1871100 | 9738, 9774 (2), 9675 (2), 9832, 9804, 9757 (2), 9732 (2), 9737, 9681, 9744, 9740 | 2765 (2), 5246 (4), 5597, 6252, 6260, 6270, 6283, 6315, 6344, 6402                 |
| 8187                                | $D_8 \times 2^2$     | 32    | 1871100 | 9734 (2), 9838, 9751 (2), 9835, 9745, 9767, 9671 (2), 9753 (2), 9754, 9747, 9685 | 2776 (2), 5712, 6257, 6279, 6284, 6322, 6398, 6518, 6531                           |
| 8188                                | $D_8 \times 2^2$     | 32    | 1871100 | 9727, 9751 (2), 9670 (2), 9839, 9804, 9746 (2), 9755 (2), 9750, 9684, 9745, 9772 | 2777 (2), 5698, 6257, 6278, 6283, 6317, 6399, 6524, 6529                           |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8189                                | $D_8 \times 2^2$         | 32    | 1871100 | 9734 (2), 9728, 9746 (2), 9833, 9772, 9767, 9683 (2), 9752 (2), 9842, 9749, 9669 | 2778 (2), 5512 (2), 6257, 6280, 6285, 6304, 6368, 6709, 6717 |
| 8190                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 9696, 9765, 9662, 9766, 9669, 9843, 9748   | 2779 (2), 6258, 6285, 6286, 6329, 6490, 6707, 6709           |
| 8191                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 9785, 9686, 9737, 9765, 9745, 9759, 9709   | 2780 (2), 5694, 6258, 6283, 6284, 6316, 6400, 6527, 6530     |
| 8192                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 9750, 9724, 9737, 9769, 9800, 9760, 9859   | 2781 (2), 5364, 6259, 6277, 6283, 6323, 6343, 6346, 6422     |
| 8193                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 9841, 9769, 9748, 9727, 9756, 9773, 9725   | 2782 (2), 6259, 6275, 6286, 6491, 6493, 6529, 6701           |
| 8194                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 9749, 9760, 9748, 9858, 9844, 9723, 9739   | 2783 (2), 6259, 6276, 6285, 6492, 6494, 6528, 6700           |
| 8195                                | $D_8 \times 2^2$         | 32    | 1871100 | 9672, 9845, 9732 (2), 9775, 9755 (2), 9758 (2), 9838, 9776 (2), 9748, 9770, 9738 | 2784 (2), 6260, 6276, 6286, 6496, 6498, 6531, 6706           |
| 8196                                | $D_8 \times 2^2$         | 32    | 1871100 | 9842, 9674, 9774 (2), 9729, 9753 (2), 9758 (2), 9860, 9733 (2), 9748, 9761, 9740 | 2785 (2), 6260, 6275, 6285, 6495, 6497, 6532, 6705           |
| 8197                                | $D_8 \times 2^2$         | 32    | 1871100 | 9752 (2), 9776 (2), 9757 (2), 9761, 9754, 9770, 9836, 9733 (2), 9687, 9737, 9852 | 2786 (2), 5720, 6260, 6277, 6284, 6324, 6401, 6473, 6536     |
| 8198                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 9745, 9762, 9730, 9688, 9836, 9729, 9768   | 2787 (2), 5711, 6261, 6278, 6284, 6321, 6403, 6523, 6532     |
| 8199                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 9745, 9723, 9800, 9689, 9744, 9849, 9771   | 2788 (2), 5701, 6261, 6279, 6283, 6318, 6405, 6517, 6528     |
| 8200                                | $2^3 \cdot 2 : 2$        | 32    | 1871100 | 9669, 9768, 9756, 9728, 9845, 9771, 9667   | 2789 (2), 6261, 6280, 6286, 6499, 6501, 6707, 6717           |
| 8201                                | $2^2 \times 4 : 2$       | 32    | 1871100 | 9842, 9756, 9742, 9722, 9787, 9673, 9726   | 2790 (2), 6262, 6275, 6280, 6503, 6505, 6535, 6823           |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups                              | Minimal Overgroups  |
| 8202                                | $D_8 \times 4$         | 32    | 1871100 | 9754, 9778, 9735,<br>9722, 9800, 9691,<br>9798 | 2791 (2), 5729, 6262,<br>6277, 6279, 6325,<br>6409, 6468, 6534        |
| 8203                                | $D_8 \times 4$         | 32    | 1871100 | 9672, 9778, 9725,<br>9756, 9704, 9777,<br>9843 | 2792 (2), 6262, 6272,<br>6286, 6493, 6502,<br>6506, 6706              |
| 8204                                | $D_8 \times 4$         | 32    | 1871100 | 9754, 9690, 9730,<br>9726, 9785, 9777,<br>9710 | 2794 (2), 5731, 6262,<br>6273, 6284, 6326,<br>6407, 6472, 6516        |
| 8205                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9750, 9763, 9836,<br>9864, 9735, 9722,<br>9693 | 2795 (2), 5738, 6263,<br>6277, 6278, 6327,<br>6415, 6468, 6535        |
| 8206                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9749, 9763, 9674,<br>9739, 9843, 9702,<br>9862 | 2796 (2), 6263, 6272,<br>6285, 6494, 6511,<br>6512, 6705              |
| 8207                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9750, 9702, 9744,<br>9861, 9785, 9764,<br>9692 | 2798 (2), 5741, 6263,<br>6273, 6283, 6328,<br>6336, 6413, 6515        |
| 8208                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9749, 9722, 9845,<br>9743, 9673, 9764,<br>9863 | 2799 (2), 6263, 6276,<br>6280, 6509, 6513,<br>6534, 6823              |
| 8209                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9838, 9762, 9761,<br>9725, 9726, 9759,<br>9851 | 2800 (2), 5574 (2),<br>6265, 6275, 6284,<br>6345, 6441, 6706,<br>6786 |
| 8210                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9727, 9764, 9738,<br>9759, 9786, 9760,<br>9849 | 2801 (2), 5569 (2),<br>6265, 6276, 6283,<br>6340, 6442, 6701,<br>6783 |
| 8211                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9728, 9763, 9761,<br>9662, 9798, 9760,<br>9850 | 2802 (2), 5572 (2),<br>6265, 6277, 6285,<br>6330, 6347, 6707,<br>6715 |
| 8212                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9662, 9778, 9728,<br>9770, 9682, 9864,<br>9769 | 2803 (2), 6266, 6277,<br>6286, 6331, 6514,<br>6709, 6715              |
| 8213                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9759, 9770, 9863,<br>9747, 9690, 9739,<br>9729 | 2804 (2), 6266, 6276,<br>6284, 6459, 6516,<br>6705, 6781              |
| 8214                                | $2^3 \cdot 2 \times 2$ | 32    | 1871100 | 9759, 9769, 9787,<br>9839, 9692, 9740,<br>9723 | 2805 (2), 6266, 6275,<br>6283, 6342, 6515,<br>6700, 6784              |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                 |
| 8215                                | $D_8 \times 4$         | 32    | 1871100 | 9705, 9768, 9685, 9777, 9725, 9770, 9765                     | 2806 (2), 6267, 6284, 6286, 6502, 6518, 6520, 6692 |
| 8216                                | $2^2 \times 4 \cdot 2$ | 32    | 1871100 | 9788, 9765, 9689, 9740, 9760, 9702, 9772                     | 2807 (2), 6267, 6283, 6285, 6337, 6517, 6519, 6691 |
| 8217                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9738, 9769, 9684, 9771, 9704, 9765, 9861                     | 2808 (2), 6268, 6283, 6286, 6338, 6521, 6524, 6694 |
| 8218                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9761, 9739, 9767, 9688, 9710, 9765, 9862                     | 2809 (2), 6268, 6284, 6285, 6512, 6522, 6523, 6693 |
| 8219                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9684, 9864, 9725, 9768, 9838, 9773, 9766                     | 2810 (2), 6269, 6278, 6286, 6518, 6521, 6529, 6786 |
| 8220                                | $2^3 \cdot 2 : 2$      | 32    | 1871100 | 9767, 9768, 9726, 9863, 9852, 9686, 9741                     | 2811 (2), 6269, 6280, 6284, 6525, 6527, 6536, 6787 |
| 8221                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9767, 9766, 9798, 9858, 9729, 9689, 9739                     | 2812 (2), 6269, 6279, 6285, 6519, 6523, 6528, 6781 |
| 8222                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9727, 9778, 9685, 9766, 9738, 9771, 9775                     | 2813 (2), 6270, 6279, 6286, 6520, 6524, 6531, 6783 |
| 8223                                | $2^2 \times 4 : 2$     | 32    | 1871100 | 9860, 9763, 9772, 9766, 9740, 9688, 9723                     | 2814 (2), 6270, 6278, 6285, 6517, 6522, 6532, 6784 |
| 8224                                | $2^3 \cdot 2 \times 2$ | 32    | 1871100 | 9787, 9764, 9772, 9771, 9832, 9686, 9724                     | 2815 (2), 6270, 6280, 6283, 6346, 6525, 6530, 6789 |
| 8225                                | $D_8 \times 2^2$       | 32    | 1871100 | 9839, 9780 (4), 9779 (4), 9762, 9860, 9773, 9742, 9721, 9693 | 2816 (2), 6271, 6275, 6278, 6465, 6535, 6698, 6785 |
| 8226                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9747, 9721, 9775, 9743, 9691, 9849, 9858                     | 2817 (2), 6271, 6276, 6279, 6470, 6534, 6698, 6745 |
| 8227                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9682, 9773, 9775, 9667, 9777, 9861, 9696                     | 2818 (2), 6271, 6273, 6286, 6499, 6514, 6688, 6696 |
| 8228                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9747, 9762, 9687, 9741, 9777, 9709, 9862                     | 2820 (2), 6271, 6272, 6284, 6460, 6536, 6684, 6704 |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 8229                                | $2^5$              | 32    | 14850   | 9928 (7), 9938 (21),<br>9783 (3)                               | 3141 (8), 5297 (28),<br>5302 (56), 5303, 6287<br>(3), 6356 (21), 6371<br>(63)               |
| 8230                                | $2^5$              | 32    | 44550   | 9934 (7), 9940 (7),<br>9871 (14), 9781 (2),<br>9783            | 3142 (8), 5299 (28),<br>6287, 6357 (21), 6388<br>(21)                                       |
| 8231                                | $2^3 \times 4$     | 32    | 44550   | 9783, 9942 (7), 9945<br>(7)                                    | 3143 (8), 5301 (28),<br>6287, 6358 (21), 6389<br>(21)                                       |
| 8232                                | $2^3 \times 4$     | 32    | 623700  | 9804, 9800, 9788 (3),<br>9786 (3), 9787 (3),<br>9704 (3), 9785 | 3907 (4), 5225 (6),<br>5334, 6262 (3), 6283<br>(3), 6289 (3), 6301,<br>6334, 6410, 6442 (3) |
| 8233                                | $D_8 \times 4$     | 32    | 1871100 | 9785, 9789, 9797,<br>9791, 9799, 9703,<br>9706                 | 3908 (4), 5197, 5198,<br>5307 (2), 6289, 6306,<br>6309, 6313, 6316,<br>6326, 6328           |
| 8234                                | $2^3 \times 4$     | 32    | 623700  | 9788 (3), 9790 (3),<br>9805 (3), 9798 (3),<br>9703, 9793, 9802 | 3910 (4), 5309 (2),<br>5322, 6289 (3), 6311,<br>6325 (3), 6335, 6347<br>(3), 6507, 6519 (3) |
| 8235                                | $D_8 \times 4$     | 32    | 1871100 | 9785, 9794, 9707,<br>9803, 9790, 9726,<br>9801                 | 3911 (4), 5310 (2),<br>5335, 6289, 6312,<br>6336, 6407, 6441,<br>6503, 6527                 |
| 8236                                | $2 \times 4^2$     | 32    | 935550  | 9788 (2), 9795, 9789,<br>9806, 9707 (2)                        | 3912 (8), 5311 (2),<br>6245 (2), 6289 (2),<br>6337 (2), 6443, 6446<br>(2), 6689, 6702       |
| 8237                                | $D_8 \times 4$     | 32    | 1871100 | 9704, 9807, 9789,<br>9796, 9790, 9808,<br>9705                 | 3913 (4), 5312 (2),<br>6289, 6313, 6338,<br>6444, 6502, 6690,<br>6703                       |
| 8238                                | $D_8 \times 4$     | 32    | 311850  | 9786, 9791, 9795,<br>9792, 9793, 9794,<br>9796                 | 3914 (8), 5305, 5338<br>(4), 6289 (6), 6339,<br>6340 (6), 6504 (3),<br>6526 (3)             |
| 8239                                | $2^2 \times 4 : 2$ | 32    | 1871100 | 9791, 9806, 9802,<br>9726, 9731, 9808,<br>9787                 | 3915 (4), 5306, 5337<br>(2), 6289, 6326,<br>6341, 6342, 6345,<br>6505, 6525                 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8240                                | $D_8 \times 2^2$       | 32    | 1871100 | 9810, 9814, 9813,<br>9802, 9792, 9801,<br>9804, 9809, 9782,<br>9788, 9705, 9811,<br>9670, 9812, 9797 | 3916 (4), 5195, 5196,<br>5240 (4), 5241 (4),<br>5339 (2), 6267, 6289,<br>6301, 6305, 6311,<br>6315, 6317                                 |
| 8241                                | $D_8 \times 4$         | 32    | 1871100 | 9793, 9731, 9707,<br>9807, 9800, 9797,<br>9803   | 3917 (4), 5199, 5200,<br>5295 (4), 5340 (2),<br>6289, 6307, 6310,<br>6312, 6318, 6323,<br>6325   |
| 8242                                | $D_8 \times 4$         | 32    | 1871100 | 9800, 9760, 9798,<br>9801, 9795, 9808,<br>9799   | 3918 (4), 5331, 5362<br>(2), 6289, 6330,<br>6337, 6340, 6343,<br>6409, 6528  |
| 8243                                | $2^4 \cdot 2$          | 32    | 1871100 | 9804, 9805, 9796,<br>9799, 9725, 9806,<br>9803   | 3919 (4), 5336, 5361<br>(2), 6289, 6292,<br>6344, 6345, 6406,<br>6502, 6529  |
| 8244                                | $2^2 \times 4 \cdot 2$ | 32    | 1871100 | 9787, 9794, 9788,<br>9807, 9805, 9706,<br>9760   | 3920 (4), 5359 (2),<br>6289, 6346, 6347,<br>6442, 6503, 6691,<br>6700  |
| 8245                                | $D_8 \times 2 : 2$     | 32    | 935550  | 9968, 9966 (2), 9662,<br>9799 (2), 9815  | 3921 (2), 5250 (2),<br>5526 (2), 6288, 6290,<br>6291, 6292, 6293,<br>6294, 6295, 6309,<br>6329, 6330, 6331,<br>6348, 6427, 6624,<br>6639 |
| 8246                                | $2^5$                  | 32    | 10395   | 9815 (6), 9956 (15),<br>9881 (10)  | 3923 (36), 5383 (20),<br>5386 (20), 6290 (45),<br>6296 (45), 6297, 6300<br>(15), 6351 (15), 6364<br>(15), 6367 (15)                      |
| 8247                                | $2^5$                  | 32    | 62370   | 9822 (5), 9804 (10),<br>9835 (10), 9833 (5),<br>9815   | 3924 (6), 5220 (10),<br>5389 (10), 6252 (15),<br>6257 (10), 6292 (15),<br>6297, 6301 (10)  |
| 8248                                | $2^3 \cdot 2 : 2$      | 32    | 935550  | 9985, 9803 (2), 9667,<br>9879 (2), 9815  | 3925 (2), 5554 (2),<br>5687 (2), 6292, 6296,<br>6298, 6312 (2), 6427<br>(2), 6499 (2), 7085<br>(2)                                       |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8249                                | $2^5$            | 32    | 62370   | 9885 (10), 10001 (10), 9947 (5), 9833 (5), 9815                                    | 3927 (6), 5392 (10), 6295 (15), 6297, 6298 (15), 6302 (10), 6368 (10)                                    |
| 8250                                | $D_8 \times 2^2$ | 32    | 1871100 | 9816, 9732 (2), 9953 (2), 9893, 9818, 9931 (2), 9782 (2), 9819, 9820, 9821, 9817   | 5172 (4), 5397 (4), 5585, 6315 (2), 6487 (2), 6496   |
| 8251                                | $D_8 \times 2^2$ | 32    | 1871100 | 9903, 9867 (2), 10029, 9664 (2), 9901, 10030, 9825, 9823 (2), 9938, 9868 (2), 9937 | 5175 (2), 5176 (4), 6355, 6356, 6377, 6386, 6711, 6729, 6917   |
| 8252                                | $D_8 \times 2^2$ | 32    | 623700  | 9826 (3), 9853 (3), 9797 (3), 9696 (3), 9785, 9834, 9815                           | 5177 (3), 5178, 5221 (6), 5608, 6258 (3), 6273 (3), 6300, 6301, 6302, 6309 (3), 6312 (3)                 |
| 8253                                | $D_8 \times 2^2$ | 32    | 311850  | 9822, 9876 (2), 9851, 9786, 9697 (2), 9850, 9810 (2), 9827 (2), 9792, 9848, 9826   | 5179, 5180 (2), 5236 (8), 5406 (4), 6256 (3), 6265 (6), 6301 (6), 6305 (3), 6339                         |
| 8254                                | $D_8 \times 2^2$ | 32    | 1871100 | 9826, 9932 (2), 9728, 9856, 9809 (2), 9863, 9827 (2), 9698 (2), 9833, 9802, 9787   | 5181, 5182 (2), 5238 (4), 5405 (2), 6266, 6280, 6301, 6302, 6304, 6341, 6347                             |
| 8255                                | $D_8 \times 2^2$ | 32    | 935550  | 9797 (2), 10031, 10032, 9995, 9996, 9994 (2), 9699 (2), 9828 (2), 9956, 9669, 9826 | 5183 (2), 5184, 6300, 6303, 6304, 6305, 6306, 6307, 6308, 6457, 6490, 6500, 6501, 6554, 6563, 6566, 6571 |
| 8256                                | $D_8 \times 2^2$ | 32    | 935550  | 9826, 10033, 9700 (2), 9998, 9829 (2), 9877 (2), 9947, 9809 (2), 10034, 9997, 9682 | 5185 (2), 5186, 6302 (2), 6305, 6308 (2), 6458, 6514 (2), 6537, 6568 (2)                                 |
| 8257                                | $D_8 \times 2^2$ | 32    | 623700  | 9878, 9967 (3), 9846 (3), 9703, 9797 (3), 9966 (3), 9834                           | 5191, 5192, 5293 (4), 5342, 5429 (2), 6303, 6309 (3), 6310 (3), 6311, 6314 (3), 6319 (3), 6320           |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8258                                | $D_8 \times 2^2$ | 32    | 1871100 | 9827 (2), 9862, 9811 (2), 9704, 9857, 9835, 9848, 9950 (2), 9856, 9797, 9734 (2)             | 5193, 5194, 5242 (4), 5294 (4), 5441 (2), 6268, 6272, 6301, 6304, 6310, 6313, 6322 |
| 8259                                | $D_8 \times 2^2$ | 32    | 1871100 | 9797, 9790, 9880, 9974 (2), 9809 (2), 9973 (2), 9884 (2), 9836, 9708, 9847, 9879             | 5201, 5202, 5448 (2), 6308, 6311, 6312, 6313, 6321, 6324, 6327                     |
| 8260                                | $D_8 \times 2^2$ | 32    | 1871100 | 9846, 9886 (2), 9828 (2), 9709, 9840, 9843, 9797, 9887 (2), 9817 (2), 9837, 9737             | 5203, 5204, 5230 (4), 6258, 6272, 6303, 6315, 6316, 6323, 6324                     |
| 8261                                | $D_8 \times 2^2$ | 32    | 1871100 | 9854, 9951 (2), 9744, 9936 (2), 9710, 9861, 9847, 9931 (2), 9797, 9829 (2), 9855             | 5205, 5206, 5243 (4), 6268, 6273, 6308, 6315, 6318, 6320, 6328                     |
| 8262                                | $D_8 \times 2^2$ | 32    | 623700  | 9797 (3), 10035 (3), 9881, 9995 (3), 9711, 9745 (3), 9834                                    | 5207, 5208, 5341, 6300, 6314 (3), 6316 (3), 6317, 6318 (3), 6321 (3), 6322         |
| 8263                                | $D_8 \times 2^2$ | 32    | 623700  | 9810, 9900, 9894, 9828, 9782, 9882, 9898, 9895, 9893, 9897, 9675, 9829, 9712, 9896, 9899     | 5209, 5210, 5382 (4), 5401 (4), 6305 (3), 6315 (6)                                 |
| 8264                                | $D_8 \times 2^2$ | 32    | 3742200 | 9884, 9954, 9883, 9920, 9906, 9828, 9818, 9809, 9713, 9916, 9919, 9757, 9829, 9931, 9909     | 5211, 5212, 5398 (2), 5407 (2), 6308, 6315, 6324                                   |
| 8265                                | $D_8 \times 2^2$ | 32    | 3742200 | 9830, 9913 (2), 9910 (2), 10036, 10037, 9780 (2), 9779 (2), 9831, 9715, 10038, 9824          | 5213 (4), 6244, 6785, 7107   |
| 8266                                | $D_8 \times 2^2$ | 32    | 1871100 | 9797, 9899, 9718, 10039, 9802, 9829, 9754, 9999, 9998, 10000, 10040, 10041, 9885, 9827, 9671 | 5214, 5215, 6302, 6305, 6320, 6322, 6324, 6325, 6326                               |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8267                                | $D_8 \times 2^2$ | 32    | 1871100 | 9797, 10042 (2),<br>10043, 10000 (2),<br>9997, 9746 (2), 9750,<br>9809 (2), 9856, 9719,<br>10001             | 5216, 5217, 6302,<br>6304, 6317, 6319,<br>6323, 6327, 6328   |
| 8268                                | $D_8 \times 2^2$ | 32    | 1871100 | 9809, 10044, 10000,<br>10045, 10004, 10003,<br>9828, 9752, 9811,<br>10046, 9895, 9720,<br>9827, 9683, 10002  | 5218, 5219, 6304 (2),<br>6305, 6324 (2)  |
| 8269                                | $D_8 \times 2^2$ | 32    | 623700  | 9835, 9858 (3), 9856<br>(3), 9834, 9792 (3),<br>9727 (3), 9800   | 5222 (6), 5326, 5348,<br>6259 (3), 6279 (3),<br>6301, 6310 (3), 6317,<br>6340 (3), 6395                      |
| 8270                                | $2^5$            | 32    | 207900  | 9804 (3), 9860 (9),<br>9838 (9), 9836 (3),<br>9802 (3), 9848 (3),<br>9834                                    | 5223 (6), 5358, 5614<br>(2), 5615, 6260 (3),<br>6278 (9), 6301 (3),<br>6311 (3), 6322 (3),<br>6345 (9), 6382 |
| 8271                                | $D_8 \times 2^2$ | 32    | 623700  | 9815, 9850 (3), 9801<br>(3), 9800, 9857 (3),<br>9728 (3), 9836   | 5224 (6), 5390 (3),<br>5688, 6261 (3), 6277<br>(3), 6301, 6312 (3),<br>6330 (3), 6367, 6368                  |
| 8272                                | $D_8 \times 2^2$ | 32    | 623700  | 9835, 9863 (3), 9862<br>(3), 9785, 9705 (3),<br>9851 (3), 9836   | 5226 (6), 5690, 6263<br>(3), 6284 (3), 6301,<br>6313 (3), 6414, 6441<br>(3), 6471                            |
| 8273                                | $2^5$            | 32    | 623700  | 9838 (3), 9907 (6),<br>9839 (3), 9816 (6),<br>9906 (2), 9804, 9854,<br>9894 (2), 9841 (3),<br>9842 (3), 9837 | 5229 (4), 5595, 6257,<br>6275 (3), 6315 (3),<br>6334, 6382, 6498 (3),<br>6529 (3)                            |
| 8274                                | $D_8 \times 2^2$ | 32    | 935550  | 9841, 9912 (2), 9859,<br>9909 (2), 9840, 9893<br>(2), 9792, 9911 (2),<br>9844, 9855, 9681                    | 5231 (8), 5593, 6256,<br>6259 (2), 6315 (2),<br>6462, 6526, 6545 (2),<br>6589 (2)                            |
| 8275                                | $2^5$            | 32    | 623700  | 9842 (3), 9914 (6),<br>9915 (6), 9852 (3),<br>9832 (3), 9818 (2),<br>9840, 9847, 9845 (3),<br>9895 (2), 9802 | 5232 (4), 5594, 6260,<br>6280 (3), 6315 (3),<br>6324 (3), 6335, 6463,<br>6525 (3)                            |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8276                                | $D_8 \times 2^2$ | 32    | 1871100 | 9837, 9916 (2), 9744, 9819 (2), 9844, 9849, 9845, 9896 (2), 9801, 9917 (2), 9729 | 5233 (4), 5596, 6261, 6276, 6315, 6336, 6384, 6497, 6528               |
| 8277                                | $2^3 \times 4$   | 32    | 1871100 | 9842, 9820 (2), 9918 (2), 9798, 9740, 9844, 9788, 9919 (2), 9897 (2), 9710, 9843 | 5234 (4), 6262, 6285, 6315, 6337, 6497, 6507, 6700                     |
| 8278                                | $D_8 \times 2^2$ | 32    | 1871100 | 9841, 9920 (2), 9861, 9843, 9821 (2), 9738, 9845, 9921 (2), 9864, 9705, 9898 (2) | 5235 (4), 6263, 6286, 6315, 6338, 6498, 6508, 6701                     |
| 8279                                | $D_8 \times 2^2$ | 32    | 1871100 | 9838, 9889 (2), 9849, 9798, 9888 (2), 9738, 9847, 9884 (2), 9846, 9792, 9782 (2) | 5237 (4), 5344, 5483 (2), 6265, 6279, 6311, 6315, 6340, 6496, 6521     |
| 8280                                | $D_8 \times 2^2$ | 32    | 1871100 | 9846, 9891 (2), 9931 (2), 9740, 9855, 9839, 9802, 9890 (2), 9899 (2), 9864, 9729 | 5239 (4), 5592, 6266, 6278, 6315, 6320, 6342, 6495, 6519               |
| 8281                                | $D_8 \times 2^2$ | 32    | 1871100 | 9835, 9814 (2), 9858, 9786, 9698 (2), 9853, 9838, 9950 (2), 9863, 9876 (2), 9801 | 5244 (4), 5314, 5505 (2), 6269, 6276, 6301, 6334, 6340, 6398, 6441     |
| 8282                                | $D_8 \times 2^2$ | 32    | 1871100 | 9854, 9953 (2), 9864, 9952 (2), 9798, 9883 (2), 9801, 9882 (2), 9852, 9859, 9737 | 5245 (4), 5343, 6269, 6277, 6315, 6335, 6343, 6401, 6527               |
| 8283                                | $D_8 \times 2^2$ | 32    | 1871100 | 9697 (2), 9950 (2), 9813 (2), 9857, 9804, 9860, 9727, 9932 (2), 9787, 9851, 9853 | 5247 (4), 5506 (2), 5598, 6270, 6275, 6301, 6345, 6399, 6442, 6471     |
| 8284                                | $D_8 \times 2^2$ | 32    | 1871100 | 9839, 9849, 9900 (2), 9953 (2), 9788, 9861, 9955 (2), 9954 (2), 9832, 9709, 9859 | 5248 (4), 6271, 6283, 6315, 6335, 6346, 6686, 6702                     |
| 8285                                | $D_8 \times 2^2$ | 32    | 1871100 | 9833, 9696, 9734 (2), 9932 (2), 9860, 9862, 9788, 9850, 9876 (2), 9812 (2), 9858 | 5249 (4), 5409 (2), 5410 (2), 6271, 6285, 6301, 6347, 6368, 6398, 6443 |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 8286                                | $D_8 \times 2^2$ | 32    | 311850  | 9928 (2), 10029 (3),<br>10006, 9937 (6), 9866<br>(3)  | 5296 (4), 5599, 6247<br>(6), 6248 (2), 6333<br>(3), 6356 (2), 6372<br>(6), 6572, 6609 (3) |
| 8287                                | $D_8 \times 2^2$ | 32    | 935550  | 9865 (2), 9872 (4),<br>9934 (2), 10047,<br>9657 (2), 9866,<br>10048, 9939 (2)                             | 5298 (4), 6246 (2),<br>6251 (2), 6333, 6357<br>(2), 6387 (2), 6914,<br>7032               |
| 8288                                | $D_8 \times 4$   | 32    | 935550  | 9866, 10049, 9945<br>(2), 9941 (2), 10050   | 5300 (4), 6249 (2),<br>6250 (2), 6333, 6358<br>(2), 6390 (2), 6760,<br>7031               |
| 8289                                | $D_8 \times 2^2$ | 32    | 3742200 | 9869, 9657, 10051,<br>9784, 10052, 9872,<br>9868, 9871, 9832,<br>10053, 9650, 10054,<br>9870, 9874, 9873  | 5304 (2), 6357, 6802,<br>6913   |
| 8290                                | $D_8 \times 2^2$ | 32    | 623700  | 9785, 10031 (3),<br>9837, 10035 (3),<br>9881, 9853 (3), 9699<br>(3)                                       | 5313, 5609, 6300,<br>6316 (3), 6334, 6336<br>(3), 6464 (3), 6471,<br>6472 (3)             |
| 8291                                | $D_8 \times 2^2$ | 32    | 1871100 | 9853, 10042 (2),<br>10055, 10034, 9877<br>(2), 9750, 9787,<br>10039 (2), 9839,<br>9885, 9698 (2)          | 5315, 6302, 6334,<br>6342, 6346, 6399,<br>6515, 6535                                      |
| 8292                                | $D_8 \times 2^2$ | 32    | 1871100 | 9876, 10056, 10057,<br>10040, 9788, 9801,<br>9885, 9877, 9900,<br>10058, 9842, 10044,<br>9683, 9882, 9699 | 5318, 6305, 6334,<br>6335, 6337, 6368,<br>6497, 6503                                      |
| 8293                                | $D_8 \times 4$   | 32    | 1871100 | 9789, 10059, 9765,<br>9843, 9699, 9799,<br>9711   | 5319, 6306, 6316,<br>6329, 6337, 6338,<br>6502, 6512                                      |
| 8294                                | $D_8 \times 2^2$ | 32    | 1871100 | 9877 (2), 10060 (2),<br>9954 (2), 9883 (2),<br>9699, 10061, 9790,<br>9854, 9861, 9845,<br>9879            | 5321, 6308, 6335,<br>6336, 6338, 6498,<br>6499, 6513                                      |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8295                                | $2 \times 4 : 2 : 2$ | 32    | 155925  | 9826 (2), 9969, 9968,<br>9791 (2), 9878                          | 5323 (2), 5430 (4),<br>5600 (2), 6253 (6),<br>6255 (3), 6274, 6309<br>(6), 6332, 6339, 6341<br>(6), 6376 (6), 6449<br>(3), 6457 (3), 6458<br>(3) |
| 8296                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9791, 9976, 9759,<br>9846, 9853, 9799,<br>9834                   | 5324, 5345, 5464 (2),<br>5601 (2), 6309, 6316,<br>6340, 6342, 6345,<br>6379, 6459  |
| 8297                                | $D_8 \times 2^2$     | 32    | 103950  | 9848, 9971 (3), 9793,<br>9972 (3), 9878, 9880<br>(3), 9792 (3)   | 5325, 5328, 5432 (8),<br>5434 (4), 6310 (18),<br>6311 (6), 6339 (3),<br>6462 (3), 6467 (9)   |
| 8298                                | $D_8 \times 2^2$     | 32    | 623700  | 9801 (3), 9982 (3),<br>9849 (3), 9879 (3),<br>9793, 9834, 9847   | 5327, 5349, 5486 (2),<br>6311, 6312 (3), 6318<br>(3), 6335, 6340 (3),<br>6384, 6470 (3)  |
| 8299                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9853, 9794, 9800,<br>9977, 9879, 9764,<br>9849                   | 5329, 5558 (2), 6312,<br>6336, 6340, 6346,<br>6405, 6442, 6534   |
| 8300                                | $2 \times 4 : 2 : 2$ | 32    | 311850  | 9826, 9983, 9880,<br>9985, 9793, 9794,<br>9850                   | 5330, 5487 (4), 6312<br>(6), 6339, 6347 (6),<br>6500 (3), 6537 (3)   |
| 8301                                | $D_8 \times 2 : 2$   | 32    | 311850  | 9848, 9983, 9791,<br>9796, 9880, 9984,<br>9851                   | 5332, 5485 (4), 6313<br>(6), 6339, 6345 (6),<br>6510 (3), 6533 (3)   |
| 8302                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9835, 9979, 9879,<br>9796, 9799, 9978,<br>9738                   | 5333, 5559 (2), 6292,<br>6313, 6338, 6340,<br>6344, 6412, 6531   |
| 8303                                | $D_8 \times 2 : 2$   | 32    | 935550  | 9799 (2), 10062, 9737<br>(2), 10063, 9881                        | 5346 (2), 5602 (2),<br>6254 (2), 6290, 6316<br>(2), 6343, 6344 (2),<br>6450 (2), 6473  |
| 8304                                | $D_8 \times 2^2$     | 32    | 623700  | 9801 (3), 10064 (3),<br>10065 (3), 9750 (3),<br>9800, 9854, 9881 | 5347, 5350, 6317,<br>6318 (3), 6334, 6336<br>(3), 6343 (3), 6367,<br>6468 (3)  |
| 8305                                | $D_8 \times 2 : 2$   | 32    | 935550  | 9878, 9965, 9731 (2),<br>9856 (2), 9964                          | 5352 (2), 5422 (8),<br>5425 (8), 5427 (2),<br>5604 (2), 6310 (2),<br>6319 (2), 6341, 6370<br>(2), 6452 (2), 6461,<br>6466                        |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8306                                | $2^5$                | 32    | 103950  | 9802 (6), 9959 (9),<br>9970 (9), 9847 (6),<br>9878  | 5353 (2), 5431 (2),<br>5607 (2), 6311 (6),<br>6320 (6), 6341 (9),<br>6373 (6), 6451 (6),<br>6463, 6466 (9) |
| 8307                                | $2^5$                | 32    | 207900  | 9802 (3), 9839 (9),<br>10066 (9), 9997 (3),<br>9834, 9854 (3), 9885<br>(3)                      | 5354, 5605 (2), 5606,<br>6302 (3), 6317 (3),<br>6320 (3), 6335 (3),<br>6342 (9), 6382, 6465<br>(9)         |
| 8308                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 9879, 10067, 9730,<br>10068, 9881, 9803,<br>9744  | 5355, 5612 (2), 5613,<br>6296, 6318, 6321,<br>6336, 6344, 6469,<br>6472                                    |
| 8309                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9880, 9803, 9834,<br>9762, 9731, 9977,<br>9857  | 5356, 5478 (2), 5610<br>(2), 5611, 6310,<br>6312, 6321, 6345,<br>6393, 6460, 6465                          |
| 8310                                | $2^5$                | 32    | 207900  | 9804 (3), 10069 (9),<br>10070 (9), 10001 (3),<br>9835 (3), 9885 (3),<br>9881                    | 5357, 5616 (2), 5617,<br>6297, 6317 (3), 6322<br>(3), 6334 (3), 6344<br>(9), 6469 (9), 6471<br>(3)         |
| 8311                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9856, 9760, 9846,<br>9858, 9793, 9977,<br>9978  | 5363, 5470 (4), 5472<br>(2), 6310, 6323,<br>6340, 6347, 6470,<br>6492, 6519                                |
| 8312                                | $D_8 \times 2^2$     | 32    | 1871100 | 9811 (2), 9982, 9981<br>(2), 9846, 9761,<br>9880, 9802, 9980 (2),<br>9805, 9884 (2), 9860       | 5365, 5482 (2), 6311,<br>6324, 6345, 6347,<br>6465, 6495, 6522   |
| 8313                                | $D_8 \times 2^2$     | 32    | 1871100 | 9683 (2), 10071,<br>9805, 9883 (2),<br>10072, 9832, 9885,<br>10073 (2), 9955 (2),<br>9737, 9879 | 5366, 6298, 6324,<br>6335, 6344, 6346,<br>6402, 6530   |
| 8314                                | $2^3 \times 4$       | 32    | 623700  | 9885, 10074 (3), 9772<br>(3), 10043 (3), 9788<br>(3), 9800, 9711                                | 5367, 6317, 6325 (3),<br>6337 (3), 6346 (3),<br>6368, 6410, 6517 (3)                                       |
| 8315                                | $2^2 \times 4 : 2$   | 32    | 1871100 | 9885, 10075, 9806,<br>9799, 9740, 10076,<br>9730  | 5368, 6295, 6326,<br>6337, 6342, 6344,<br>6406, 6532   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8316                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9750, 9807, 9711,<br>10077, 9879, 9771,<br>9861  | 5369, 6318, 6327,<br>6338, 6346, 6413,<br>6499, 6524           |
| 8317                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9856, 9763, 9880,<br>9978, 9703, 9807,<br>9862   | 5370, 5476 (2), 6310,<br>6313, 6327, 6347,<br>6460, 6511, 6522 |
| 8318                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 9856, 9764, 9791,<br>9979, 9847, 9808,<br>9863   | 5371, 5477 (2), 6313,<br>6328, 6340, 6341,<br>6459, 6509, 6525 |
| 8319                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 9750, 9769, 9799,<br>10078, 9854, 9808,<br>9864  | 5372, 6328, 6331,<br>6338, 6342, 6343,<br>6415, 6529           |
| 8320                                | $D_8 \times 2^2$     | 32    | 1871100 | 9987 (2), 10079,<br>9668 (2), 9933,<br>10080, 10081, 9825,<br>9925 (2), 9922, 9926<br>(2), 9904      | 5373 (4), 6355, 6606,<br>6676, 6749, 6753,<br>6932, 7020       |
| 8321                                | $D_8 \times 2^2$     | 32    | 3742200 | 9670, 9955, 9732,<br>9891, 9888, 9883,<br>9675, 9936, 9911,<br>9918, 9821, 9915,<br>9894, 9916, 9886 | 5374 (4), 5375 (2),<br>5451 (2), 5630, 6315,<br>6402, 6498     |
| 8322                                | $D_8 \times 4$       | 32    | 1871100 | 9825, 10082, 9924,<br>9941, 9905, 10083,<br>10084  | 5376 (4), 6355, 6608,<br>6713, 6760, 6764,<br>6939, 7030       |
| 8323                                | $D_8 \times 2^2$     | 32    | 3742200 | 9812, 9914, 9936,<br>9820, 9882, 9921,<br>9757, 9912, 9896,<br>9890, 9886, 9953,<br>9906, 9733, 9889 | 5377 (2), 5450 (2),<br>5629, 6315, 6401,<br>6497               |
| 8324                                | $D_8 \times 2^2$     | 32    | 3742200 | 9889, 9915, 9897,<br>9920, 9912, 9891,<br>9900, 9713, 9814,<br>9951, 9953, 9774,<br>9819, 9887, 9907 | 5378 (2), 5403 (2),<br>6315, 6497, 6686                        |
| 8325                                | $D_8 \times 2^2$     | 32    | 3742200 | 9888, 9887, 9898,<br>9917, 9911, 9951,<br>9712, 9952, 9813,<br>9890, 9732, 9954,<br>9816, 9914, 9919 | 5379 (2), 5402 (2),<br>6315, 6498, 6685                        |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8326                                | $D_8 \times 2^2$       | 32    | 1871100 | 9892, 9927 (2), 9870 (2), 9960, 9959, 9865 (2), 9869 (2), 9781, 9961, 9958, 9908         | 5380 (4), 5408 (2), 6357, 6373, 6394, 6438, 6815, 6819, 6830   |
| 8327                                | $D_8 \times 2^2$       | 32    | 935550  | 10085, 9868 (2), 9866 (2), 9930 (2), 9825 (2), 10086, 10087, 10088, 9783, 9892, 9929     | 5381 (4), 6353, 6356, 6357, 6358, 6456, 6539, 6720, 6749, 6752, 6761, 6764, 6811, 6813, 6831, 6839         |
| 8328                                | $2^2 \times 4 \cdot 2$ | 32    | 311850  | 10089 (3)  | 5384 (4), 6349, 6362, 6420, 6574 (3), 6723 (3), 7035 (3), 7040 (3)   |
| 8329                                | $2 \times 4^2$         | 32    | 155925  | 10090 (3), 10005 (4)   | 5385 (4), 6352, 6354 (6), 6359 (6), 6361, 6365 (6), 6417 (6), 6418, 6562 (3), 6724 (3), 7002 (3), 7004 (3) |
| 8330                                | $2^5$                  | 32    | 155925  | 10091 (6), 10092 (12), 10093 (6), 9902 (4), 10085 (3)                                    | 5387 (4), 6350, 6353 (6), 6360 (6), 6363, 6366 (6), 6416 (6), 6419, 6725 (3), 6803 (3), 6804 (3), 6805 (3) |
| 8331                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9922, 10094, 9901, 10095, 9905, 10096, 10097   | 5393 (4), 6355, 6377, 6386, 6547, 6731, 6734, 6917   |
| 8332                                | $D_8 \times 2 : 2$     | 32    | 3742200 | 9902, 10098, 9923 (2), 9875 (2), 10099   | 5394 (4), 5417 (2), 5622, 6369, 6416, 6541   |
| 8333                                | $D_8 \times 2^2$       | 32    | 155925  | 9904, 10100 (12), 9924, 9901   | 5395 (16), 6355 (12), 6552 (3), 6741 (3), 6742 (6), 6746 (3)   |
| 8334                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9904, 10101, 10100, 9903, 10102, 10103, 9905   | 5396 (4), 6355, 6606, 6741, 6771, 6775, 6932, 7020   |
| 8335                                | $D_8 \times 2^2$       | 32    | 3742200 | 9907, 9955, 9952, 9774, 9733, 9917, 9918, 9921, 9884, 9899, 9931, 9811, 9895, 9817, 9909 | 5399 (4), 5400 (2), 5449 (2), 5618, 6315, 6324, 6495   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8336                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9922, 10104, 9903, 10094, 9924, 10095, 10105                          | 5404 (4), 6355, 6608, 6734, 6793, 6795, 6939, 7030                                       |
| 8337                                | $D_8 \times 2 : 2$   | 32    | 623700  | 9902, 10106 (3), 9929 (3)   | 5413 (4), 5619, 6353 (3), 6369 (6)   |
| 8338                                | $D_8 \times 2 : 2$   | 32    | 103950  | 9878, 9962 (3), 9892 (3)  | 5414 (8), 5415 (4), 5620, 5621, 6332 (3), 6370 (18), 6373 (6), 6455 (9), 6456 (3)        |
| 8339                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9939, 10007, 10008, 9941, 10096, 10095, 9928                          | 5416 (4), 5421 (2), 5623, 6333, 6371, 6372, 6375, 6547, 6607, 6608                       |
| 8340                                | $2 \times 4 : 2 : 2$ | 32    | 623700  | 9878, 9963 (3), 9961 (3)  | 5418 (4), 5420 (2), 5590, 5591, 6370 (3), 6373, 6376 (3), 6451, 6452 (3), 6475, 6482 (3) |
| 8341                                | $D_8 \times 2^2$     | 32    | 311850  | 9940, 10007 (6), 10097 (6), 9942, 9928                                | 5419 (4), 5624, 6287, 6372 (6), 6375 (6), 6546 (3), 6547 (3)                             |
| 8342                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 10004, 10107, 10100, 10008, 9933, 9943, 9928                          | 5423 (2), 5424 (4), 5625, 6371, 6372, 6374, 6552, 6606, 6607, 6609                       |
| 8343                                | $2 \times 4 : 2 : 2$ | 32    | 1247400 | 10108 (3), 10109 (3), 9902  | 5426 (2), 5626, 6363, 6369 (3), 6541 (3)   |
| 8344                                | $D_8 \times 2^2$     | 32    | 623700  | 9996, 10110 (3), 9903 (3), 10006, 9825 (3), 9944 (3), 9928            | 5428 (2), 5627, 6356, 6374 (3), 6375 (3), 6556, 6572, 6606 (3), 6608 (3)                 |
| 8345                                | $D_8 \times 2^2$     | 32    | 311850  | 9934, 10111 (3), 10112 (3), 9945, 9893 (3), 10007 (3), 9928           | 5433 (4), 5628, 6287, 6333 (6), 6374 (6), 6544 (3), 6545 (3)                             |
| 8346                                | $D_8 \times 4$       | 32    | 1871100 | 9825, 10082, 10113, 9941, 9905, 10050, 9942                           | 5435 (2), 6358, 6375, 6377, 6713, 6915, 6940, 7020                                       |
| 8347                                | $D_8 \times 2^2$     | 32    | 935550  | 9944 (2), 9937 (2), 10114 (2), 9823 (4), 10092, 10115, 9783, 9929 (2) | 5436 (4), 6353 (2), 6356, 6388, 6389, 6811 (2), 6916 (2), 6925 (2)                       |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8348                                | $D_8 \times 2^2$   | 32    | 1871100 | 10092, 9937, 9867 (2), 10116 (2), 10110, 10030, 9944, 9866, 9823 (2), 9930 (2), 9938           | 5437 (2), 6356, 6387, 6390, 6729, 6811, 6919, 6920                 |
| 8349                                | $D_8 \times 2^2$   | 32    | 1871100 | 9781, 10117, 9872 (2), 9946 (2), 10118, 9929, 9935 (2), 9873 (2), 10119, 10120, 9908           | 5438 (4), 6357, 6815 (2), 6830 (2)                                 |
| 8350                                | $D_8 \times 2^2$   | 32    | 3742200 | 9865, 10121, 9784, 10122, 10118, 9930, 9935, 9874, 9872, 10099, 10123, 10053, 9871, 9927, 9946 | 5439 (2), 6357, 6815, 6913   |
| 8351                                | $D_8 \times 2^2$   | 32    | 1871100 | 9870 (2), 10048, 9922, 10079, 10124, 9935 (2), 9650 (2), 10123 (2), 9825, 9934, 9933           | 5440 (2), 6357, 6374, 6377, 6676, 6914, 6934, 7030                 |
| 8352                                | $D_8 \times 2^2$   | 32    | 1871100 | 9869 (2), 10122 (2), 10052 (2), 10125, 9922, 9940, 9825, 9946 (2), 10047, 10126, 9939          | 5442 (2), 6357, 6375, 6386, 6753, 6827, 6939, 7018                 |
| 8353                                | $D_8 \times 2^2$   | 32    | 1871100 | 9927 (2), 10125, 10081, 10121 (2), 10054 (2), 9866, 9933, 9873 (2), 10079, 9939, 9940          | 5443 (2), 6357, 6372, 6390, 6749, 6753, 6919, 7023                 |
| 8354                                | $D_8 \times 2^2$   | 32    | 935550  | 9908 (2), 9939 (2), 10081, 10127 (2), 9874 (4), 9783, 9933 (2), 10128                          | 5444 (4), 6357, 6371, 6389, 6749 (2), 6831 (2), 6916 (2), 6925 (2) |
| 8355                                | $D_8 \times 4$     | 32    | 1871100 | 9825, 10129, 9905, 9943, 10130, 10049, 9945  | 5445 (2), 6358, 6374, 6386, 6760, 6842, 6932, 7028                 |
| 8356                                | $D_8 \times 4$     | 32    | 1871100 | 9866, 10131, 10129, 9942, 10082, 9941, 9943  | 5446 (2), 6358, 6372, 6387, 6764, 6915, 6920, 7023                 |
| 8357                                | $2^2 \times 4 : 2$ | 32    | 935550  | 9783, 9943 (2), 10131, 9941 (2), 10084   | 5447 (4), 6358, 6371, 6388, 6764 (2), 6839 (2), 6916 (2), 6925 (2) |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8358                                | $2^5$                | 32    | 51975   | 9996 (3), 9837 (12),<br>9834 (4), 10132 (9),<br>9956 (3) | 5452 (4), 5454 (8),<br>5632, 6300 (3), 6303<br>(6), 6379 (18), 6382,<br>6384 (6), 6393 (18),<br>6395 (3), 6556 (3),<br>6575 (9), 6587 (9),<br>6603 (3) |
| 8359                                | $Q_8 \times 2^2$     | 32    | 103950  | 10006 (3), 10133 (9),<br>9957 (3)                        | 5453 (4), 5458 (8),<br>5633, 6378 (18), 6383<br>(6), 6396 (3), 6572<br>(3), 6612 (9)   |
| 8360                                | $2^{1+4}$            | 32    | 51975   | 9968 (3), 9975 (6),<br>9892 (6)                          | 5455 (8), 5459 (4),<br>5631, 6332 (3), 6348<br>(6), 6380 (18), 6381,<br>6385 (3), 6392 (18),<br>6394 (6), 6484 (3),<br>6485 (9), 6538 (9),<br>6539 (3) |
| 8361                                | $2^{1+4}$            | 32    | 623700  | 10134 (3), 10135 (6),<br>10116 (3), 9929 (3)             | 5456 (4), 6391 (6),<br>6811 (3)  |
| 8362                                | $2^{1+4}$            | 32    | 623700  | 10136 (3), 9867 (6),<br>10013 (3), 10010 (3)             | 5457 (4), 6299 (6),<br>6729 (3)  |
| 8363                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 9939, 10094, 10095,<br>9938, 10137, 10107,<br>9943       | 5460 (2), 6371, 6386,<br>6387, 6795, 6917,<br>6918, 6919   |
| 8364                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9940, 10137, 10138,<br>9937, 10095, 10104,<br>9943       | 5461 (2), 6372, 6386,<br>6388, 6795, 6919,<br>7018, 7019   |
| 8365                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9933, 10094, 10103,<br>9941, 10100, 10096,<br>9938       | 5462 (2), 6355, 6371,<br>6377, 6390, 6771,<br>6918, 6920   |
| 8366                                | $2^2 \times 4 : 2$   | 32    | 1871100 | 9933, 10139, 10102,<br>9942, 10103, 10096,<br>9937       | 5463 (2), 6372, 6377,<br>6389, 6771, 6920,<br>7017, 7020   |
| 8367                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9934, 10140, 10112,<br>9937, 10141, 10095,<br>9941       | 5466 (2), 6333, 6377,<br>6387, 6388, 6768,<br>7029, 7030   |
| 8368                                | $D_8 \times 2^2$     | 32    | 311850  | 9934, 10097 (6),<br>10112 (6), 9938,<br>9942             | 5467 (4), 6287, 6377<br>(6), 6387 (6), 6767<br>(3), 6768 (3)   |
| 8369                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9939, 10140, 10096,<br>9937, 10142, 10111,<br>9945       | 5468 (2), 6333, 6386,<br>6389, 6390, 6766,<br>7027, 7028   |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 8370                                | $D_8 \times 2^2$   | 32    | 311850  | 9940, 10097 (6),<br>9938, 10111 (6),<br>9945  | 5469 (4), 6287, 6386<br>(6), 6390 (6), 6765<br>(3), 6766 (3)  |
| 8371                                | $2^2 \times 4 : 2$ | 32    | 1871100 | 9933, 10142, 10102,<br>9945, 10143, 10144,<br>9944  | 5471 (2), 6374, 6389,<br>6390, 6862, 6932,<br>7027, 7031  |
| 8372                                | $D_8 \times 2 : 2$ | 32    | 1871100 | 9934, 10138, 10141,<br>9943, 10145, 10146,<br>9944  | 5474 (2), 6374, 6387,<br>6388, 6866, 6934,<br>7029, 7032  |
| 8373                                | $D_8 \times 2 : 2$ | 32    | 1871100 | 9940, 10104, 10140,<br>9941, 10146, 10147,<br>9944  | 5480 (2), 6375, 6388,<br>6390, 6882, 6939,<br>7019, 7023  |
| 8374                                | $2^2 \times 4 : 2$ | 32    | 1871100 | 9939, 10139, 10140,<br>9942, 10147, 10144,<br>9944  | 5481 (2), 6375, 6387,<br>6389, 6882, 6940,<br>7017, 7023  |
| 8375                                | $Q_8 : 2^2$        | 32    | 1871100 | 10020, 10148 (2),<br>10021, 9957, 9641 (2)  | 5488 (2), 6378, 6397,<br>6404, 6726, 6961,<br>7072, 7073  |
| 8376                                | $D_8 \times 2^2$   | 32    | 935550  | 9853 (2), 9994 (4),<br>9745 (2), 10032,<br>10035 (2), 10132,<br>9956, 9696 (2)                    | 5489 (2), 6300, 6379,<br>6398, 6399, 6400,<br>6403, 6405, 6490,<br>6682, 6687, 6688,<br>6852, 6922, 6969,<br>6973         |
| 8377                                | $D_8 \times 2^2$   | 32    | 1871100 | 9696, 9999 (2), 9877<br>(2), 10066, 10043,<br>9728, 9932 (2), 9746<br>(2), 10040, 10055,<br>9947  | 5490 (2), 6302, 6368,<br>6399, 6514, 6697,<br>6707, 6708  |
| 8378                                | $2^5$              | 32    | 155925  | 10124 (6), 9894 (4),<br>10002 (4), 10069 (6),<br>9804 (4), 9885 (4),<br>9822, 9947, 9956          | 5493 (4), 6297, 6305<br>(6), 6382, 6399 (6),<br>6402 (6), 6406 (6),<br>6410, 6677 (3), 6679<br>(3), 6738 (3), 6740<br>(3) |
| 8379                                | $Q_8 : 2^2$        | 32    | 1871100 | 9694, 10149, 10150,<br>9948, 10023, 10022,<br>9957  | 5494 (2), 6383, 6397,<br>6408, 6907, 6965,<br>7072, 7078  |
| 8380                                | $D_8 \times 2^2$   | 32    | 935550  | 9850, 9754 (2), 9801<br>(2), 10003 (2), 9896<br>(2), 10151, 10130,<br>9682, 10065, 10152,<br>9956 | 5495 (2), 6305, 6367,<br>6384, 6398, 6401,<br>6407, 6409, 6500,<br>6688, 6715, 6716,<br>6900, 6945, 6985,<br>6993         |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8381                                | $D_8 \times 2^2$   | 32    | 935550  | 9850, 9999 (2), 9882 (2), 10153, 10074, 9669, 9812 (2), 9752 (2), 10058, 10154, 9947 | 5496 (2), 6305, 6368 (2), 6401 (2), 6537, 6707 (2), 6718, 6944 (2)   |
| 8382                                | $2^3 \times 4$     | 32    | 155925  | 9785 (4), 9711 (4), 9956, 10032 (6)  | 5498 (4), 6300, 6306 (6), 6400 (6), 6407 (6), 6410, 6413 (6), 6414, 6837 (3), 6923 (3), 6974 (3), 6975 (3) |
| 8383                                | $2^2 \times 4 : 2$ | 32    | 935550  | 9799 (2), 9735 (2), 9956, 10089, 10090   | 5499 (2), 6290, 6306, 6379, 6406, 6409, 6412, 6415, 6563, 6723, 6724, 6922, 6968, 6972, 6978, 6985         |
| 8384                                | $Q_8 : 4$          | 32    | 1871100 | 10024, 10025, 9957   | 5500 (2), 6378, 6408, 6411, 6910, 6961, 7075, 7078   |
| 8385                                | $Q_8 : 2^2$        | 32    | 1871100 | 9948 (2), 10026, 10028, 9957, 10155 (2)  | 5501 (2), 6383, 6404, 6411, 6756, 6965, 7073, 7075   |
| 8386                                | $D_8 \times 2^2$   | 32    | 935550  | 9682 (2), 9916 (4), 10156 (2), 9956, 9744 (2), 10126, 9879 (2), 10157                | 5502 (2), 6296, 6308, 6384, 6402, 6405, 6412, 6413, 6571, 6848, 6898, 6945, 6973, 6978, 6982, 7007         |
| 8387                                | $D_8 \times 2^2$   | 32    | 1871100 | 9947, 9883 (2), 10158, 9682, 9757 (2), 10159, 9669, 9936 (2), 10160, 9974 (2), 10161 | 5503 (2), 6308, 6401, 6402, 6568, 6846, 6942, 6944   |
| 8388                                | $2^5$              | 32    | 155925  | 10151 (6), 9906 (8), 10162 (6), 9836 (4), 9854 (4), 9956, 9947 (2)                   | 5504 (4), 6308 (6), 6367, 6382, 6401 (6), 6403 (6), 6414, 6415 (6), 6849 (3), 6947 (3), 6983 (3), 7016 (3) |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 8389                                | $D_8 \times 2^2$       | 32    | 935550 | 9966 (2), 9886 (4),<br>9737 (2), 10085,<br>10163 (2), 10089,<br>9956, 9669 (2)          | 5507 (2), 6290, 6303,<br>6400, 6401, 6402,<br>6421, 6422, 6554,<br>6723, 6725, 6852,<br>6876, 6878, 6898,<br>6900         |
| 8390                                | $D_8 \times 2 \cdot 2$ | 32    | 935550 | 9662 (2), 9968  | 5508 (2), 6253, 6348,<br>6423, 6431, 6432,<br>6433, 6434, 6623,<br>6624, 6627, 6629,<br>6650, 6652, 6653,<br>6654         |
| 8391                                | $8 : 2 : 2$            | 32    | 935550 | 9968, 9646 (2)  | 5509 (2), 6253, 6288,<br>6291, 6380, 6429,<br>6430, 6435, 6436,<br>6625, 6626, 6628,<br>6650, 6651, 6655,<br>6656         |
| 8392                                | $D_8 \times 2 \cdot 2$ | 32    | 155925 | 9985 (2), 9968  | 5510 (4), 6274, 6381,<br>6425, 6426 (6), 6427<br>(6), 6430 (6), 6431<br>(6), 6659 (3), 6660<br>(3), 6662 (3), 6664<br>(3) |
| 8393                                | $8 : 2 : 2$            | 32    | 155925 | 9968, 9986 (2)  | 5511 (4), 6274, 6293<br>(6), 6385, 6424, 6428<br>(6), 6429 (6), 6432<br>(6), 6657 (3), 6658<br>(3), 6661 (3), 6663<br>(3) |
| 8394                                | $Q_8 \times 2^2$       | 32    | 311850 | 9695 (2), 9658 (6),<br>10164 (3), 10048 (3),<br>9957                                    | 5513 (4), 6396, 6397<br>(6), 6411 (6), 6914<br>(3), 7025 (3)  |
| 8395                                | $2^5$                  | 32    | 155925 | 10070 (6), 10002 (8),<br>9904 (3), 10124 (3),<br>10001 (4), 9835 (4),<br>9833 (2), 9956 | 5514 (4), 6297, 6304<br>(6), 6395, 6398 (6),<br>6412 (6), 6414, 6421<br>(6), 6676 (3), 6678<br>(3), 6739 (3), 6741<br>(3) |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 8396                                | $D_8 \times 2^2$       | 32    | 935550  | 9728 (2), 9857 (2),<br>9750 (2), 10064 (2),<br>10003 (4), 9956,<br>10151, 10165       | 5515 (2), 6304, 6367,<br>6393, 6399, 6413,<br>6415, 6422, 6501,<br>6687, 6714, 6715,<br>6878, 6938, 6972,<br>7007         |
| 8397                                | $2^4 \cdot 2$          | 32    | 935550  | 9956, 9730 (2),<br>10166, 9803 (2),<br>10157  | 5516 (2), 6296, 6307,<br>6393, 6403, 6406,<br>6407, 6421, 6566,<br>6844, 6876, 6938,<br>6968, 6969, 6982,<br>6993         |
| 8398                                | $2^3 \times 4$         | 32    | 155925  | 9956, 9736 (4), 10165<br>(3), 9800 (4), 10130<br>(3)                                  | 5517 (4), 6307 (6),<br>6367, 6395, 6405 (6),<br>6409 (6), 6410, 6422<br>(6), 6842 (3), 6933<br>(3), 6988 (3), 6995<br>(3) |
| 8399                                | $Q_8 \times 4$         | 32    | 311850  | 9957, 10083 (3),<br>10049 (3)   | 5518 (4), 6396, 6404<br>(6), 6408 (6), 6760<br>(3), 7024 (3)  |
| 8400                                | $2^3 \cdot 2 : 2$      | 32    | 311850  | 9969, 9892, 9962  | 5519 (4), 6332, 6438<br>(6), 6440 (6), 6720<br>(3), 6721 (3)  |
| 8401                                | $2 \times 4 : 2 : 2$   | 32    | 155925  | 9968, 9962 (2)  | 5520 (4), 6288 (6),<br>6332, 6423 (6), 6424,<br>6425, 6437 (6), 6439<br>(6), 6621 (3), 6622<br>(3), 6675 (3), 6722<br>(3) |
| 8402                                | $D_8 \times 2 \cdot 2$ | 32    | 1871100 | 9965, 9963, 9892  | 5521 (2), 6370, 6392,<br>6438, 6761, 6819,<br>6822, 6834  |
| 8403                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9964, 9963, 9962  | 5522 (2), 6370, 6439,<br>6440, 6769, 6820,<br>6821, 6833  |
| 8404                                | $2^3 \cdot 2 : 2$      | 32    | 1871100 | 9965, 9961, 9962  | 5523 (2), 6370, 6437,<br>6438, 6794, 6816,<br>6817, 6833  |
| 8405                                | $2^{1+4}$              | 32    | 1871100 | 9987 (2), 9908 (2),<br>9989 (2), 9988 (2),<br>9964, 9927 (2), 9961,<br>9990 (2), 9892 | 5524 (2), 6370, 6394,<br>6440, 6749, 6815,<br>6818, 6834  |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8406                                | $2 \times 4 : 2 : 2$      | 32    | 1871100 | 9853, 9969, 9966, 9759, 9785, 9706, 9967                     | 5525 (2), 5681, 6309, 6400, 6441, 6442, 6464, 6515, 6516   |
| 8407                                | $D_8 \times 2 : 2$        | 32    | 935550  | 9696 (2), 9967 (2), 9968, 9976, 9789                         | 5527 (2), 6309, 6329, 6380, 6423, 6426, 6428, 6443, 6444, 6623, 6625, 6638, 6640, 6682, 6696, 6697 |
| 8408                                | $2 \times 4 : 2 : 2$      | 32    | 1871100 | 9970, 9991 (2), 9892, 9908 (2), 9963                         | 5528 (2), 6373, 6392, 6440, 6818, 6822, 6830, 6831   |
| 8409                                | $2^4 \cdot 2$             | 32    | 1871100 | 9959, 9991 (2), 9962, 9958 (2), 9963                         | 5529 (2), 6373, 6438, 6439, 6817, 6821, 6828, 6829   |
| 8410                                | $D_8 \times 2 : 2$        | 32    | 1871100 | 9970, 9960 (2), 9962, 9961, 9991 (2)                         | 5530 (2), 6373, 6437, 6440, 6816, 6820, 6828, 6832   |
| 8411                                | $2 \times 4 : 2 \times 2$ | 32    | 935550  | 9787 (2), 9965, 9764 (2), 9959, 9969                         | 5531 (2), 6341, 6438 (2), 6442 (2), 6515 (2), 6789, 6801 (2), 6823                                 |
| 8412                                | $D_8 \times 2^2$          | 32    | 935550  | 9833, 9987 (4), 9979, 9667, 9870 (4), 9806, 9968, 9964, 9959 | 5532 (2), 6292, 6295, 6341, 6394, 6429, 6431, 6439, 6443, 6626, 6627, 6676, 6681, 6696, 6717, 6802 |
| 8413                                | $2^4 : 2$                 | 32    | 935550  | 9863 (2), 9970, 9726 (2), 9964, 9969                         | 5533 (2), 6341, 6440 (2), 6441 (2), 6516 (2), 6787, 6798 (2), 6823                                 |
| 8414                                | $2 \times 4 : 2 : 2$      | 32    | 935550  | 9728 (2), 9808 (2), 9968, 9965, 9970                         | 5534 (2), 6330, 6331, 6341, 6392, 6430, 6432, 6437, 6444, 6628, 6629, 6697, 6714, 6717, 6799, 6800 |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8415                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9704, 9965, 9972, 9807, 9727, 9977, 9967   | 5535 (2), 6310, 6442, 6444, 6493, 6524, 6683, 6699   |
| 8416                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9835, 9978, 9803, 9725, 9966, 9964, 9972   | 5536 (2), 5682, 6292, 6310, 6421, 6441, 6469, 6493, 6518   |
| 8417                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9862, 9971, 9964, 9707, 9858, 9762, 9967   | 5537 (2), 6310, 6441, 6443, 6494, 6523, 6684, 6698   |
| 8418                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9857, 9965, 9966, 9763, 9800, 9760, 9971   | 5538 (2), 5683, 6310, 6330, 6422, 6442, 6468, 6494, 6517   |
| 8419                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 9968, 9963 (2)   | 5539 (2), 6293, 6294, 6376, 6392, 6426, 6434, 6436, 6439, 6638, 6653, 6655, 6680, 6681, 6799, 6825 |
| 8420                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 9969, 9961, 9963   | 5540 (2), 6376, 6438, 6440, 6798, 6801, 6824, 6826   |
| 8421                                | $2^{1+4}$            | 32    | 935550  | 9667 (2), 9869 (4), 9989 (4), 9649 (2), 9968, 9961 (2)                           | 5541 (2), 6376, 6394, 6427, 6428, 6433, 6435, 6437, 6639, 6640, 6654, 6656, 6800, 6802, 6825, 6827 |
| 8422                                | $D_8 \times 2^2$     | 32    | 1871100 | 9812 (2), 9889 (2), 9974 (2), 9980 (2), 9801, 9971, 9966, 9761, 9836, 9798, 9970 | 5542 (2), 5684, 6311, 6330, 6401, 6441, 6468, 6497, 6523   |
| 8423                                | $D_8 \times 2^2$     | 32    | 1871100 | 9670 (2), 9888 (2), 9981 (2), 9974 (2), 9804, 9738, 9805, 9879, 9959, 9972, 9966 | 5543 (2), 5685, 6292, 6311, 6402, 6442, 6469, 6498, 6524   |
| 8424                                | $D_8 \times 2^2$     | 32    | 1871100 | 9813 (2), 9973 (2), 9888 (2), 9980 (2), 9705, 9967, 9972, 9982, 9838, 9790, 9970 | 5544 (2), 6311, 6441, 6444, 6498, 6518, 6685, 6699   |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8425                                | $D_8 \times 2^2$         | 32    | 1871100 | 9814 (2), 9889 (2), 9981 (2), 9973 (2), 9788, 9971, 9959, 9708, 9860, 9849, 9967 | 5545 (2), 6311, 6442, 6443, 6497, 6517, 6686, 6698   |
| 8426                                | $D_8 \times 2 : 2$       | 32    | 155925  | 9850 (2), 9971 (2), 9968, 9795, 9984   | 5546 (4), 6330 (6), 6339, 6385, 6425, 6434 (6), 6435 (6), 6443 (6), 6634 (3), 6637 (3), 6716 (3), 6718 (3) |
| 8427                                | $D_8 \times 2 : 2$       | 32    | 155925  | 9822, 9796 (2), 9985, 9972 (2), 9968   | 5547 (4), 6292 (6), 6339, 6381, 6424, 6433 (6), 6436 (6), 6444 (6), 6635 (3), 6636 (3), 6677 (3), 6719 (3) |
| 8428                                | $D_8 \times 2 : 2$       | 32    | 311850  | 9786, 9969, 9972, 9794, 9851, 9983, 9971   | 5548 (4), 6339, 6441 (6), 6442 (6), 6788 (3), 6835 (3)   |
| 8429                                | $Q_8 : 4$                | 32    | 1871100 | 9789, 9646, 9975   | 5549 (2), 6380, 6446, 6447, 6901, 6902, 6904, 6906   |
| 8430                                | $D_8 : 2^2$              | 32    | 1871100 | 9976, 9659 (2), 9646, 9975, 9641 (2)   | 5550 (2), 6380, 6445, 6448, 6726, 6901, 6903, 6905   |
| 8431                                | $Q_8 : 4$                | 32    | 311850  | 9795, 9986, 9975   | 5551 (4), 6385, 6446 (6), 6448 (6), 6757 (3), 6909 (3)   |
| 8432                                | $D_8 : 2^2$              | 32    | 311850  | 9984, 9660 (2), 9986, 9975, 9694 (2)   | 5552 (4), 6385, 6445 (6), 6447 (6), 6907 (3), 6908 (3)   |
| 8433                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 9696, 9977, 9807, 9985, 9790, 9982, 9728   | 5553 (2), 6312, 6347, 6444, 6499, 6687, 6708, 6709   |
| 8434                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 9785, 9764, 9807, 9879, 9708, 9983, 9857   | 5555 (2), 5691, 6312, 6313, 6413, 6442, 6472, 6513, 6530   |
| 8435                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 9853, 9982, 9803, 9726, 9836, 9762, 9983   | 5556 (2), 5686, 6312, 6345, 6403, 6441, 6472, 6535, 6536   |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8436                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 9862, 9761, 9790, 9978, 9706, 9983, 9863   | 5560 (2), 6313, 6347, 6441, 6513, 6536, 6693, 6705                 |
| 8437                                | $D_8 \times 2 : 2$       | 32    | 935550  | 9862 (2), 9984, 9708 (2), 9979, 9789   | 5562 (2), 6313 (2), 6443, 6447 (2), 6512 (2), 6695, 6704, 7080 (2) |
| 8438                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 9857, 9763, 9836, 9761, 9799, 9808, 9984   | 5563 (2), 5689, 6313, 6330, 6345, 6415, 6473, 6512, 6532           |
| 8439                                | $2^{1+4}$                | 32    | 1871100 | 9979, 9988 (2), 9960 (2), 9869 (2), 9987 (2), 9992 (2), 9649, 9927 (2), 9975     | 5564 (2), 6394, 6447, 6448, 6753, 6903, 6904, 6913                 |
| 8440                                | $D_8 : 2^2$              | 32    | 1871100 | 9870 (2), 9992, 9649, 9695, 9806, 9988 (2), 9989 (2), 9958 (2), 9975, 9990, 9865 | 5565 (2), 6394, 6445, 6446, 6905, 6906, 6913, 6914                 |
| 8441                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 9858, 9759, 9978, 9794, 9863, 9982, 9798   | 5566 (2), 6340, 6347, 6441, 6527, 6534, 6700, 6781                 |
| 8442                                | $2^3 \cdot 2 : 2$        | 32    | 1871100 | 9727, 9977, 9796, 9976, 9838, 9808, 9982   | 5567 (2), 6340, 6345, 6444, 6529, 6531, 6703, 6782                 |
| 8443                                | $D_8 \times 2 : 2$       | 32    | 935550  | 9858 (2), 9849 (2), 9979, 9795, 9976   | 5568 (2), 6340 (2), 6443, 6448 (2), 6528 (2), 6702, 6745, 7081 (2) |
| 8444                                | $2^2 \times 4 : 2$       | 32    | 935550  | 9833, 9978 (2), 9805 (2), 9662, 9985   | 5570 (2), 6292, 6298, 6347 (2), 6431 (2), 6678, 6709 (2), 7083 (2) |
| 8445                                | $2^3 \cdot 2 \times 2$   | 32    | 1871100 | 9787, 9977, 9805, 9759, 9860, 9763, 9983   | 5571 (2), 6345, 6347, 6442, 6530, 6535, 6705, 6784                 |
| 8446                                | $D_8 \times 2^2$         | 32    | 935550  | 9860 (2), 9830 (4), 9715 (4), 9984, 9806, 9762 (2), 9976                         | 5573 (2), 6345 (2), 6443, 6445 (2), 6532 (2), 6704, 6785, 7082 (2) |
| 8447                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 9662, 9667, 9985   | 5576 (2), 6427, 6431, 6433, 7045, 7083, 7085, 7091                 |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups                              | Minimal Overgroups   |
| 8448                                | $D_8 : 4$          | 32    | 1871100 | 9789, 9649, 9986                               | 5577 (2), 6428, 6446, 6447, 7046, 7090, 7094, 7095   |
| 8449                                | $Q_8 : 2^2$        | 32    | 1871100 | 9976, 9716 (2), 9649, 9644 (2), 9986           | 5578 (2), 6428, 6445, 6448, 6730, 7090, 7092, 7093   |
| 8450                                | $8 : 2 \times 2$   | 32    | 1871100 | 9806, 9993 (2), 9646, 9714 (2), 9986           | 5579 (2), 6429, 6445, 6446, 7052, 7092, 7094, 7098   |
| 8451                                | $8 : 2 : 2$        | 32    | 1871100 | 9979, 9646, 9986                               | 5580 (2), 6429, 6447, 6448, 6773, 7093, 7095, 7098   |
| 8452                                | $D_8 : 2^2$        | 32    | 1871100 | 9984, 9949 (2), 9646, 9717 (2), 9649           | 5581 (2), 6435, 6445, 6447, 7058, 7080, 7082, 7096   |
| 8453                                | $D_8 : 2^2$        | 32    | 3742200 | 9830, 9659, 9990, 9717, 9993, 9716, 9660       | 5583 (2), 6445, 7064, 7107   |
| 8454                                | $D_8 \times 2 : 2$ | 32    | 311850  | 9878, 10167 (3), 10086 (3)                     | 5586, 5587, 6449 (3), 6451 (2), 6452 (6), 6454 (6), 6455 (3), 6456, 6474 (2)   |
| 8455                                | $D_8 \times 2 : 2$ | 32    | 1247400 | 9881, 10168 (3), 10169 (3)                     | 5588, 5589, 6351, 6450 (3), 6453 (3)   |
| 8456                                | $2^5$              | 32    | 51975   | 9996 (6), 10091 (9), 10085 (9), 9840 (6), 9878 | 5634 (2), 5635 (2), 6303 (6), 6350, 6456 (6), 6457 (9), 6461 (9), 6462 (6), 6463, 6474 (6), 6475 (6), 6476 (6), 6477 (9), 6478 (9), 6479 (6), 6480 (6), 6481 |
| 8457                                | $D_8 \times 2 : 2$ | 32    | 467775  | 9995 (2), 10170, 9677 (2), 10171, 9878         | 5636 (2), 5637 (2), 6282 (2), 6314 (2), 6454 (2), 6455 (2), 6457, 6466 (2), 6467 (2), 6478 (2), 6482 (2), 6483 (2)   |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8458                                | $D_8 \times 2 : 2$ | 32    | 935550  | 9966 (2), 10170, 9735 (2), 10063, 9881  | 5640 (2), 5641 (2), 6281 (2), 6290, 6314, 6453 (2), 6464, 6468 (2), 6469 (2) |
| 8459                                | $D_8 \times 2^2$   | 32    | 311850  | 9878, 10172 (3), 9855 (3), 10173 (3), 9998 (3), 9678, 9997                            | 5642, 5643, 6319 (6), 6320 (2), 6458 (3), 6462, 6467 (3), 6480 (2), 6483 (6) |
| 8460                                | $D_8 \times 2^2$   | 32    | 623700  | 9834, 10055 (3), 9856 (3), 10001, 9998 (3), 9747 (3), 9736                            | 5644, 5645, 6302, 6319 (3), 6322, 6395, 6459 (3), 6460 (3), 6470 (3)         |
| 8461                                | $D_8 \times 2^2$   | 32    | 623700  | 9836, 10152 (3), 10064 (3), 9736, 9881, 9857 (3), 9754 (3)                            | 5647, 5648, 6321 (3), 6322, 6367, 6468 (3), 6471, 6472 (3), 6473 (3)         |
| 8462                                | $D_8 : 4$          | 32    | 3742200 | 10005, 10013, 10009   | 5649, 6299, 6359, 6540   |
| 8463                                | $D_8 \times 2 : 2$ | 32    | 1247400 | 9824 (3), 10136 (3), 10005  | 5650, 6299 (3), 6352, 6540 (3)   |
| 8464                                | $Q_8 : 4$          | 32    | 1871100 | 10005, 10012, 10010   | 5651, 6299 (2), 6354, 6542 (2)   |
| 8465                                | $D_8 \times 2 : 2$ | 32    | 1871100 | 9817 (2), 10174 (2), 10020, 10024, 10006  | 5652, 6247, 6378, 6487, 6489, 6548, 6573, 6613                               |
| 8466                                | $2 \times 8 : 2$   | 32    | 1871100 | 10006, 10025, 10021   | 5653, 6247, 6378, 6486, 6488, 6549, 6604, 6614                               |
| 8467                                | $D_8 \times 2^2$   | 32    | 623700  | 10023 (3), 10175 (6), 10028 (3), 9818 (2), 10006                                      | 5654, 6248, 6383, 6486 (3), 6487 (3), 6549 (3), 6602, 6613 (3)               |
| 8468                                | $2^2 \times 8$     | 32    | 623700  | 10022 (3), 10026 (3), 10006   | 5655, 6248, 6383, 6488 (3), 6489 (3), 6548 (3), 6605, 6614 (3)               |
| 8469                                | $D_8 \times 2^2$   | 32    | 1871100 | 9853, 10041 (2), 9747, 10033, 9932 (2), 10001, 9863, 10042 (2), 10066, 9754, 9700 (2) | 5656, 6302, 6398, 6459, 6471, 6516, 6534, 6536                               |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8470                                | $D_8 \times 2^2$ | 32    | 1871100 | 9967, 9748, 9887 (2), 10176 (2), 9843, 10091, 9699, 9837, 9994 (2), 9886 (2), 9966                   | 5657, 6303, 6329, 6464, 6493, 6494, 6497, 6498   |
| 8471                                | $D_8 \times 2^2$ | 32    | 935550  | 10132, 9748 (2), 10089, 10176 (2), 10163 (2), 9995 (2), 9846 (2), 9996, 9817 (2)                     | 5658, 6303, 6379, 6478, 6490, 6491, 6492, 6495, 6496, 6555, 6573, 6574, 6576, 6579, 6590, 6595                                 |
| 8472                                | $D_8 \times 2^2$ | 32    | 1871100 | 9932 (2), 10153, 10043, 9749, 9862, 9752 (2), 10044 (2), 10177 (2), 9699, 9857, 10001                | 5659, 6304, 6368, 6460, 6471, 6494, 6512, 6513   |
| 8473                                | $D_8 \times 2^2$ | 32    | 3742200 | 9698, 10177, 10042, 9751, 9950, 9746, 9932, 9734, 10046, 10178, 10045, 10179, 9994, 10003, 10002     | 5660, 6304, 6398, 6399   |
| 8474                                | $D_8 \times 2^2$ | 32    | 1871100 | 9856, 10070, 9811 (2), 10064, 10000 (2), 9751 (2), 9802, 10177 (2), 9767, 9772, 9995                 | 5661, 6304, 6317, 6322, 6466, 6519, 6522, 6525   |
| 8475                                | $D_8 \times 2^2$ | 32    | 467775  | 9856 (4), 9904, 10004 (2), 10165, 9749 (4), 9996, 10178 (2)  | 5662, 6304 (2), 6395, 6461 (2), 6492 (2), 6509 (2), 6511 (2), 6552, 6578 (2), 6585, 6606 (4)                                   |
| 8476                                | $2^5$            | 32    | 311850  | 10179 (6), 9842 (6), 10153 (3), 9841 (3), 10151 (3), 10124 (3), 9802 (2), 9895 (2), 9848, 9997, 9996 | 5663, 6304 (3), 6305 (3), 6382, 6462, 6463, 6491 (3), 6495 (3), 6505 (3), 6507, 6508, 6510 (3), 6560, 6581 (3), 6596 (3), 6600 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8477                                | $D_8 \times 2^2$       | 32    | 1871100 | 9697, 10039, 10145, 10057, 9898, 9994, 9670, 10003, 9813, 10046, 9755, 10179, 9894, 9877, 9999 | 5664, 6305, 6399 (2), 6498 (2)   |
| 8478                                | $D_8 \times 2^2$       | 32    | 1871100 | 9876, 10045, 10179, 10143, 9897, 9700, 9671, 9812, 9814, 10041, 9753, 10056, 10002, 9994, 9896 | 5666, 6305, 6398 (2), 6497 (2)   |
| 8479                                | $D_8 \times 2^2$       | 32    | 935550  | 9792, 10056 (2), 10074, 9755 (2), 10069, 10000 (2), 9995, 9782 (2), 9684, 10065, 9997          | 5667, 6305, 6317 (2), 6467, 6496 (2), 6521 (2), 6526, 6589 (2)   |
| 8480                                | $D_8 \times 2^2$       | 32    | 935550  | 9848, 10057 (2), 9753 (2), 10152, 10069, 9811 (2), 9899 (2), 9998, 9685, 10154, 9995           | 5668, 6305, 6322 (2), 6467, 6495 (2), 6520 (2), 6533, 6594 (2)   |
| 8481                                | $D_8 \times 2^2$       | 32    | 467775  | 9792 (2), 10058 (2), 10130, 9672 (2), 10124, 10004, 9998 (2), 9893, 10143, 10145, 9996         | 5669, 6305 (2), 6374 (4), 6395, 6462 (2), 6496 (2), 6504 (2), 6506 (2), 6545, 6582, 6591 (2)                                   |
| 8482                                | $2^3 \times 4$         | 32    | 311850  | 10032 (3), 9843 (6), 10089 (3), 9996, 9703 (2)   | 5670, 6303, 6306 (3), 6479, 6490 (3), 6506 (3), 6507, 6508, 6511 (3), 6557, 6561 (3), 6574 (3), 6584 (3), 6586 (3), 6599, 6601 |
| 8483                                | $2^3 \cdot 2 \times 2$ | 32    | 935550  | 10032, 10059, 10090, 9673, 9996, 9677, 9791  | 5671, 6306, 6379, 6457, 6479, 6504, 6505, 6509, 6510, 6555, 6561, 6562, 6564, 6565, 6569, 6570                                 |
| 8484                                | $2^4 \cdot 2$          | 32    | 935550  | 9996, 9756 (2), 9731 (2), 10165, 10166   | 5673, 6307, 6393, 6461, 6477, 6491, 6501, 6505, 6506, 6553, 6565, 6576, 6577, 6580, 6583, 6586                                 |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 8485                                | $2^3 \times 4$       | 32    | 311850  | 9996, 10180 (3),<br>10157 (3), 10130 (3),<br>9793, 9844 (3), 9678                                       | 5674, 6307 (3), 6384,<br>6462, 6481, 6492 (3),<br>6500 (3), 6504 (3),<br>6507, 6559, 6564 (3),<br>6577 (3), 6595 (3),<br>6597 (3), 6598, 6599 |
| 8486                                | $D_8 \times 4$       | 32    | 1871100 | 9699, 9777, 9736,<br>9756, 9803, 9807,<br>10180   | 5675, 6307, 6460,<br>6472, 6493, 6499,<br>6502, 6503  |
| 8487                                | $D_8 \times 2^2$     | 32    | 3742200 | 9700, 10060, 9951,<br>9916, 9994, 10181,<br>9920, 9974, 9877,<br>10182, 9919, 9936,<br>9973, 9758, 9906 | 5677, 6308, 6497,<br>6498   |
| 8488                                | $D_8 \times 2^2$     | 32    | 1871100 | 9995, 10060 (2),<br>10156, 9931 (2),<br>9997, 10158, 9998,<br>9758 (2), 10162,<br>9884 (2), 10159       | 5678, 6308, 6483,<br>6495, 6496, 6567,<br>6588, 6593  |
| 8489                                | $2^5$                | 32    | 311850  | 10160 (6), 10182 (6),<br>9845 (6), 10126 (3),<br>10151 (3), 9997 (2),<br>9818 (2), 9996, 9847<br>(2)    | 5679, 6308 (3), 6384,<br>6463, 6480, 6496 (3),<br>6501 (3), 6508, 6509<br>(3), 6559, 6570 (3),<br>6579 (3), 6580 (3),<br>6592 (3), 6601, 6602 |
| 8490                                | $D_8 \times 2^2$     | 32    | 935550  | 9998 (2), 10061,<br>10157, 9909 (2),<br>9674, 10151, 9996,<br>10181 (2), 10161 (2),<br>9855, 9880       | 5680, 6308, 6393,<br>6462, 6480, 6495,<br>6500, 6510, 6511,<br>6558, 6569, 6583,<br>6584, 6590, 6592,<br>6597                                 |
| 8491                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9967, 9766, 9765,<br>10171, 9711, 9745,<br>9966   | 5692, 6314, 6329,<br>6400, 6517, 6518,<br>6523, 6524  |
| 8492                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 10035, 10063, 9765,<br>9766, 9703, 9995,<br>9846  | 5693, 6314, 6316,<br>6490, 6519, 6520,<br>6521, 6522  |
| 8493                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9976, 9766, 9748,<br>10059, 9745, 9837,<br>9799   | 5695, 6316, 6329,<br>6379, 6528, 6529,<br>6531, 6532  |
| 8494                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 10031, 10059, 10062,<br>9686, 9995, 9840,<br>9791   | 5696, 6316 (2), 6457,<br>6525 (2), 6526, 6533,<br>6555 (2), 6567 (2)  |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8495                                | $D_8 \times 2^2$     | 32    | 1871100 | 9812 (2), 10066, 10074, 9746 (2), 9767, 9858, 9801, 10177 (2), 10056 (2), 9745, 10001 | 5697, 6317, 6368, 6398, 6470, 6523, 6527, 6528                 |
| 8496                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 10065, 10067, 9689, 10077, 9793, 9995, 9855   | 5699, 6318 (2), 6467, 6500, 6519 (2), 6526, 6593 (2), 6595 (2) |
| 8497                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 10064, 10068, 9768, 9771, 9847, 9995, 9731  | 5700, 6318, 6321, 6466, 6501, 6520, 6521, 6525                 |
| 8498                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9982, 9773, 9768, 10077, 9854, 9745, 9803   | 5702, 6318, 6403, 6465, 6499, 6518, 6527, 6529                 |
| 8499                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9846, 10075, 10055, 9731, 9773, 9769, 9997  | 5703, 6319, 6323, 6342, 6465, 6491, 6514, 6521                 |
| 8500                                | $2^2 \times 4 : 2$   | 32    | 1871100 | 9966, 9778, 9965, 9736, 10172, 9769, 9750   | 5704, 6319, 6331, 6422, 6468, 6493, 6515, 6524                 |
| 8501                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 9966, 10075, 9964, 10001, 10173, 9739, 9730   | 5705, 6295, 6319, 6421, 6469, 6494, 6516, 6523                 |
| 8502                                | $D_8 \times 2^2$     | 32    | 1871100 | 9966, 10183 (2), 9770, 10172, 9936 (2), 9854, 9970, 9890 (2), 9864, 9754, 9999 (2)    | 5706, 6320, 6331, 6401, 6468, 6498, 6516, 6518                 |
| 8503                                | $D_8 \times 2^2$     | 32    | 1871100 | 9966, 9891 (2), 9740, 10184 (2), 10173, 9671 (2), 9885, 9936 (2), 9959, 10072, 9744   | 5707, 6295, 6320, 6402, 6469, 6497, 6515, 6517                 |
| 8504                                | $D_8 \times 2^2$     | 32    | 1871100 | 9846, 10184 (2), 10072, 10183 (2), 9775, 10000 (2), 9998, 9931 (2), 10066, 9770, 9847 | 5708, 6320, 6324, 6459, 6470, 6496, 6514, 6520                 |
| 8505                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 9880, 9688, 9995, 10067, 9678, 10152, 10185   | 5709, 6321 (2), 6467, 6500, 6522 (2), 6533, 6588 (2), 6590 (2) |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8506                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9879, 10185, 9736, 9771, 9745, 9977, 9775   | 5710, 6321, 6405, 6470, 6499, 6524, 6530, 6531                         |
| 8507                                | $D_8 \times 2^2$     | 32    | 1871100 | 9860, 10177 (2), 10154, 10057 (2), 9772, 10055, 9885, 9999 (2), 9857, 9734 (2), 9745          | 5713, 6322, 6368, 6399, 6465, 6517, 6530, 6532                         |
| 8508                                | $D_8 \times 2^2$     | 32    | 623700  | 10001, 9749 (3), 10055 (3), 9837, 9800, 9858 (3), 10058 (3)                                   | 5714, 6323 (3), 6334, 6368, 6395, 6494 (3), 6528 (3), 6534 (3)         |
| 8509                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9750, 9773, 9837, 9756, 9803, 10061, 9977   | 5715, 6323, 6336, 6393, 6493, 6499, 6529, 6535                         |
| 8510                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 10001, 10075, 9737, 9741, 9803, 10071, 9978   | 5716, 6298, 6323, 6344, 6421, 6460, 6527, 6536                         |
| 8511                                | $D_8 \times 2^2$     | 32    | 311850  | 9997, 9859 (3), 10061 (3), 9793, 10071 (3), 10058 (3), 9840                                   | 5717, 6323 (6), 6335 (2), 6462, 6526 (3), 6537 (3), 6559 (2), 6593 (6) |
| 8512                                | $D_8 \times 2^2$     | 32    | 935550  | 10004 (2), 10186 (2), 10153, 9909 (2), 9998, 9687, 10187 (2), 9840, 10180, 9880, 10071        | 5718, 6324 (2), 6460 (2), 6462, 6533, 6537, 6558 (2), 6588 (2)         |
| 8513                                | $D_8 \times 2^2$     | 32    | 1871100 | 10004, 10188, 10189, 9884 (2), 10000 (2), 9776 (2), 10073 (2), 9818, 10190, 10191, 9817       | 5719, 6324 (2), 6496, 6613 (2)   |
| 8514                                | $D_8 \times 2^2$     | 32    | 3742200 | 9671, 10187, 9981, 9757, 10002, 10073, 9918, 9886, 9683, 10184, 9915, 9916, 9774, 10189, 9974 | 5721, 6324, 6402, 6497   |
| 8515                                | $D_8 \times 2^2$     | 32    | 1871100 | 9754, 10190 (2), 9917 (2), 9916 (2), 10003 (2), 9775, 9845, 9837, 9982, 10180, 9879           | 5722, 6324, 6384, 6472, 6498, 6499, 6531, 6534                         |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8516                                | $2^5$                | 32    | 623700  | 9907 (6), 10066 (3), 10153 (3), 10191 (6), 9860 (3), 9842 (3), 10002 (2), 9836, 9837, 9885, 9906 (2) | 5723, 6324 (3), 6368, 6382, 6471, 6497 (3), 6532 (3), 6535 (3) |
| 8517                                | $D_8 \times 2^2$     | 32    | 3742200 | 9752, 10188, 9980, 9974, 10003, 9776, 9914, 9886, 9999, 10183, 9921, 9906, 9952, 10186, 9883         | 5724, 6324, 6401, 6498   |
| 8518                                | $D_8 \times 4$       | 32    | 935550  | 9998, 10185, 10192, 9677, 10074, 9691, 9793  | 5725, 6325 (2), 6467, 6470 (2), 6504, 6537, 6593 (2), 6597 (2) |
| 8519                                | $D_8 \times 4$       | 32    | 1871100 | 9998, 9778, 10075, 9731, 10043, 9777, 9703   | 5726, 6319, 6325, 6326, 6460, 6506, 6514, 6520                 |
| 8520                                | $2^2 \times 4 : 2$   | 32    | 1871100 | 9885, 10075, 9742, 9735, 9805, 10192, 9803   | 5727, 6298, 6325, 6406, 6465, 6469, 6503, 6535                 |
| 8521                                | $D_8 \times 4$       | 32    | 1871100 | 9754, 9777, 9768, 9711, 9790, 10185, 9803  | 5728, 6321, 6325, 6407, 6499, 6502, 6518, 6536                 |
| 8522                                | $2^3 \times 4$       | 32    | 623700  | 9885, 10033 (3), 9787 (3), 10043 (3), 9718 (3), 9736, 9785   | 5730, 6302, 6326 (3), 6410, 6471, 6503 (3), 6515 (3), 6530 (3) |
| 8523                                | $D_8 \times 4$       | 32    | 1871100 | 9754, 10193, 9770, 9799, 9808, 9778, 9736  | 5732, 6326, 6331, 6409, 6459, 6473, 6502, 6531                 |
| 8524                                | $D_8 \times 4$       | 32    | 935550  | 9998, 10193, 10076, 9678, 10033, 9690, 9791  | 5733, 6326 (2), 6458, 6459 (2), 6504, 6533, 6567 (2), 6569 (2) |
| 8525                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 9997, 10192, 9880, 9693, 9677, 10154, 10077  | 5734, 6327 (2), 6465 (2), 6467, 6510, 6537, 6588 (2), 6592 (2) |
| 8526                                | $D_8 \times 2^2$     | 32    | 623700  | 9997, 9864 (3), 10072 (3), 9847, 9703, 9861 (3), 10040 (3)   | 5735, 6320, 6327 (3), 6328 (3), 6335, 6508, 6514 (3), 6521 (3) |
| 8527                                | $D_8 \times 2^2$     | 32    | 623700  | 10001, 9767 (3), 9862 (3), 9711, 10040 (3), 10154 (3), 9836  | 5736, 6322, 6327 (3), 6368, 6414, 6512 (3), 6523 (3), 6536 (3) |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8528                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 10001, 9978, 9735, 10192, 9879, 9743, 10072                          | 5737, 6298, 6327, 6412, 6469, 6470, 6513, 6534   |
| 8529                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 10001, 9739, 9799, 10076, 9744, 9979, 10072                          | 5739, 6295, 6328, 6344, 6412, 6459, 6512, 6528   |
| 8530                                | $D_8 \times 2^2$     | 32    | 623700  | 10001, 9719 (3), 10034 (3), 9785, 9854, 9863 (3), 10040 (3)          | 5740, 6302, 6328 (3), 6334, 6414, 6513 (3), 6516 (3), 6527 (3)   |
| 8531                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 9997, 10078, 9855, 10076, 9791, 9692, 10034                          | 5742, 6328 (2), 6342 (2), 6458, 6510, 6526, 6567 (2), 6570 (2)   |
| 8532                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9902, 10114 (2), 10106, 10088, 10194 (2)                             | 5743, 6353, 6360 (2), 6541 (2)   |
| 8533                                | $D_8 : 4$            | 32    | 1871100 | 10005, 10012, 10195  | 5744, 6354, 6540 (2), 6543 (2)   |
| 8534                                | $D_8 \times 2 : 2$   | 32    | 1247400 | 10196 (3), 10197 (3), 10005  | 5745, 6361, 6542 (3), 6543 (3)   |
| 8535                                | $Q_8 : 4$            | 32    | 3742200 | 10005, 10198, 10199  | 5746, 6417, 6542, 6543   |
| 8536                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 10047, 10050, 10140 (2), 10007 (2), 10006                            | 5747, 6333, 6375 (2), 6486 (2), 6489 (2), 6546 (2), 6611, 6612   |
| 8537                                | $D_8 \times 4$       | 32    | 935550  | 10048, 10049, 10141, 10142, 9893, 10006, 10008                       | 5748, 6333, 6374 (2), 6396, 6487 (2), 6488 (2), 6544 (2), 6582   |
| 8538                                | $2^3 \times 4$       | 32    | 311850  | 10006 (2), 10115 (3), 9928, 10030 (6), 10087 (3)                     | 5749, 6356, 6544 (3), 6546 (3), 6550 (2), 6572 (2), 6607 (6), 6610 (6)   |
| 8539                                | $2^5$                | 32    | 155925  | 10085 (3), 10093 (12), 10092 (6), 9901 (3), 9840 (4), 9996, 9928 (2) | 5750, 6350, 6356 (2), 6545 (3), 6547 (6), 6550 (2), 6551 (6), 6552 (3), 6553 (3), 6554 (6), 6555 (6), 6556, 6557, 6558 (3), 6559 (2), 6560 (2) |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8540                                | $D_8 \times 4$            | 32    | 1871100 | 10125, 10104, 10139, 10082, 10008, 10007, 10006                     | 5751, 6372, 6375, 6544, 6607, 6608, 6611, 6612   |
| 8541                                | $2 \times 4 \cdot 2 : 2$  | 32    | 1871100 | 10079, 10138, 10102, 10129, 10004, 10007, 10006                     | 5752, 6372, 6374, 6546, 6585, 6606, 6607, 6612   |
| 8542                                | $D_8 \times 2^2$          | 32    | 935550  | 10081, 10200 (4), 10137, 10103, 10131, 9909 (4), 10004, 10007, 9928 | 5753, 6371, 6372 (2), 6545, 6546, 6558 (2), 6606 (2), 6610 (2)                                 |
| 8543                                | $2 \times 4 : 2 \times 2$ | 32    | 935550  | 10128, 10094 (2), 10084, 10008 (2), 9928                            | 5754, 6371, 6544, 6547, 6551 (2), 6608 (2), 6609 (2), 6610 (2)                                 |
| 8544                                | $2^3 \cdot 2 : 2$         | 32    | 1871100 | 9922, 10144, 9905, 10146, 9996, 10008, 10007                        | 5755, 6374, 6375, 6547, 6587, 6606, 6608, 6611   |
| 8545                                | $D_8 \times 2^2$          | 32    | 467775  | 10126, 10201 (4), 10147 (2), 10113, 9855 (4), 9996, 10007 (2)       | 5756, 6375 (4), 6480 (2), 6545, 6570 (2), 6571 (2), 6585, 6586 (2), 6587, 6595 (2), 6596 (2)   |
| 8546                                | $2 \times 4 \cdot 2 : 2$  | 32    | 935550  | 10164, 10105 (2), 10083, 10008 (2), 10006                           | 5757, 6396, 6548 (2), 6549 (2), 6607 (2), 6608 (2), 6609, 6611                                 |
| 8547                                | $2^3 \cdot 2 \times 2$    | 32    | 467775  | 10166, 10202 (2), 9924, 9996, 10008 (2)                             | 5758, 6477 (2), 6552, 6564 (2), 6566 (2), 6579 (2), 6581 (2), 6582, 6584 (2), 6587, 6608 (4)   |
| 8548                                | $2^3 \cdot 2 : 2$         | 32    | 1871100 | 10163, 10203, 10204, 10205, 9840, 9677, 9995                        | 5759, 6478, 6554, 6555, 6588, 6589, 6593, 6594   |
| 8549                                | $2 \times 4 : 2 \times 2$ | 32    | 935550  | 10089, 10204 (2), 10206, 9677 (2), 9996                             | 5760, 6478, 6479, 6554, 6561, 6563, 6574, 6575, 6577, 6578, 6580, 6581, 6591, 6592, 6596, 6597 |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8550                                | $2^3 \times 4$       | 32    | 155925  | 9996, 10207 (6),<br>10206 (3), 10006 (2),<br>10090 (3)  | 5761, 6479 (2), 6556,<br>6562 (3), 6563 (6),<br>6572 (2), 6573 (3),<br>6582 (3), 6583 (6),<br>6585 (3), 6598, 6600<br>(2), 6602, 6604 (6),<br>6605 (2), 6611 (6) |
| 8551                                | $D_8 \times 2^2$     | 32    | 1871100 | 10160, 10208 (2),<br>10209 (2), 10210,<br>10211, 10212, 9909<br>(2), 10007 (2), 9998,<br>9855, 9840 | 5762, 6480, 6545,<br>6558, 6567, 6568,<br>6593, 6594   |
| 8552                                | $D_8 \times 2^2$     | 32    | 623700  | 9997, 10210 (3),<br>10211 (3), 9678,<br>10161 (3), 10201 (3),<br>9840                               | 5763, 6480, 6559,<br>6560, 6567 (3), 6568<br>(3), 6588 (3), 6589<br>(3)  |
| 8553                                | $2^3 \times 4$       | 32    | 311850  | 9996, 10212 (6),<br>10113 (3), 9678 (2),<br>10157 (3)   | 5764, 6480, 6481,<br>6560, 6565 (3), 6566<br>(3), 6569 (3), 6571<br>(3), 6576 (3), 6578<br>(3), 6590 (3), 6591<br>(3), 6599, 6600,<br>6601, 6603                 |
| 8554                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9678, 10213, 9995,<br>10214, 9855, 10215,<br>10156  | 5765, 6483, 6567,<br>6571, 6589, 6590,<br>6594, 6595   |
| 8555                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9855, 10215, 9677,<br>10216, 9997, 10217,<br>10159  | 5766, 6483, 6568,<br>6570, 6589, 6592,<br>6593, 6596   |
| 8556                                | $D_8 \times 4$       | 32    | 1871100 | 9678, 10217, 9998,<br>10218, 9677, 10214,<br>10158  | 5767, 6483, 6568,<br>6569, 6588, 6591,<br>6594, 6597   |
| 8557                                | $2 \times 4 : 2 : 2$ | 32    | 3742200 | 10219, 10220, 10221,<br>10222, 9817, 10008,<br>9818   | 5768, 6487, 6579,<br>6613  |
| 8558                                | $D_8 \times 4$       | 32    | 935550  | 10080, 10223, 10101,<br>10224, 10004, 10008,<br>10006   | 5769, 6582, 6606 (2),<br>6607 (2), 6609, 6612,<br>6613 (2), 6614 (2)   |
| 8559                                | $8 : 2 \times 2$     | 32    | 3742200 | 9993, 9652, 10016,<br>10009, 9714, 10036,<br>9653   | 6244, 7052, 7107   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 8560                                | $Q_8 : 2^2$      | 32    | 1871100 | 10037, 9948, 10010, 10019, 10016, 10015, 9694  | 6244 (2), 6907, 6965 (2)                 |
| 8561                                | $Q_8 : 2^2$      | 32    | 1871100 | 9992, 10123 (2), 9656, 9784 (2), 10010, 10017, 9695, 10225 (2), 10036, 10226 (2), 9657 | 6244 (2), 6913 (2), 6914                 |
| 8562                                | $D_8 : 2^2$      | 32    | 3742200 | 10037, 10014, 10009, 9949, 10017, 10011, 9717  | 6244, 7058, 7107                         |
| 8563                                | $Q_8 : 2^2$      | 32    | 3742200 | 10038, 10015, 9716, 9656, 9643, 10011, 9993  | 6244, 7064, 7092                         |
| 8564                                | $D_8 : 2^2$      | 32    | 3742200 | 9949, 9653, 10019, 9657, 9715, 9643, 10018   | 6244, 6246, 7082                         |
| 8565                                | $Q_8 : 2^2$      | 32    | 3742200 | 10038, 9652, 10018, 10014, 9641, 9992, 9948  | 6244, 6905, 7072                         |
| 8566                                | $D_8 \times 2^2$ | 32    | 1871100 | 9715 (2), 9816 (2), 9779 (4), 10219 (2), 10048, 10020, 10023, 9831 (2)                 | 6246, 6397, 6487, 6617, 6780, 6785, 7043 |
| 8567                                | $2^2 \times 8$   | 32    | 1871100 | 9714 (2), 10022, 10048, 9653 (2), 10021  | 6246, 6397, 6488, 6618, 6779, 7052, 7054 |
| 8568                                | $D_8 : 2^2$      | 32    | 1871100 | 9644 (2), 10022, 10020, 10018 (2), 10047   | 6246, 6489, 6615, 6730, 7050, 7072, 7077 |
| 8569                                | $D_8 : 2^2$      | 32    | 1871100 | 9949 (2), 10014 (2), 10023, 10021, 10047   | 6246, 6486, 6616, 7058, 7059, 7072, 7074 |
| 8570                                | $D_8 : 4$        | 32    | 1871100 | 10024, 10029, 10021  | 6247, 6616, 6618, 6960, 6961, 7066, 7071 |
| 8571                                | $D_8 : 2^2$      | 32    | 1871100 | 10020, 9640 (4), 10025, 10029  | 6247, 6615, 6617, 6728, 6961, 7068, 7069 |
| 8572                                | $D_8 : 2^2$      | 32    | 1871100 | 10019 (2), 10029, 10023, 10027 (2), 10026  | 6248, 6616, 6617, 6964, 6965, 7066, 7068 |

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| Nr.                                 | Structure                    | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 8573                                | $D_8 : 2^2$                  | 32    | 1871100 | 10022, 10027 (2),<br>10015 (2), 10028,<br>10029 | 6248, 6615, 6618,<br>6776, 6965, 7069,<br>7071                 |
| 8574                                | $D_8 : 4$                    | 32    | 1871100 | 10021, 10028, 10050                             | 6249, 6486, 6618,<br>6774, 7061, 7073,<br>7079                 |
| 8575                                | $D_8 : 4$                    | 32    | 1871100 | 10020, 10026, 10050                             | 6249, 6489, 6617,<br>6733, 7048, 7073,<br>7076                 |
| 8576                                | $4^2 \cdot 2$                | 32    | 1871100 | 10021, 10026, 10049                             | 6249, 6404, 6488,<br>6616, 6778, 6791,<br>7053                 |
| 8577                                | $D_8 \times 2 : 2$           | 32    | 1871100 | 10020, 9819 (2),<br>10028, 10049, 10221<br>(2)  | 6249, 6404, 6487,<br>6615, 6747, 6777,<br>7042                 |
| 8578                                | $4 \times 8$                 | 32    | 1871100 | 10022, 10025, 10049                             | 6250, 6408, 6488,<br>6615, 6758, 6777,<br>7053                 |
| 8579                                | $D_8 : 4$                    | 32    | 1871100 | 10023, 10050, 10025                             | 6250, 6486, 6617,<br>7060, 7061, 7076,<br>7078                 |
| 8580                                | $D_8 \times 4$               | 32    | 1871100 | 10023, 9820 (2),<br>10222 (2), 10049,<br>10024  | 6250, 6408, 6487,<br>6616, 6778, 6999,<br>7042                 |
| 8581                                | $2 \times 4 \cdot 2 \cdot 2$ | 32    | 1871100 | 10022, 10050, 10024                             | 6250, 6489, 6618,<br>7048, 7051, 7078,<br>7079                 |
| 8582                                | $D_8 : 4$                    | 32    | 1871100 | 10047, 10024, 10026                             | 6251, 6489, 6616,<br>7049, 7050, 7074,<br>7075                 |
| 8583                                | $2 \times 8 : 2$             | 32    | 1871100 | 10048, 10025, 10026                             | 6251, 6411, 6488,<br>6617, 6780, 7054,<br>7055                 |
| 8584                                | $D_8 : 2^2$                  | 32    | 1871100 | 10047, 10227 (4),<br>10025, 10028               | 6251, 6486, 6615,<br>6754, 7059, 7075,<br>7077                 |
| 8585                                | $2 \times 4 \cdot 2 : 2$     | 32    | 1871100 | 10048, 10220 (2),<br>10024, 9821 (2),<br>10028  | 6251, 6411, 6487,<br>6618, 6779, 7014,<br>7043                 |
| 8586                                | $8 : 2 : 2$                  | 32    | 935550  | 10062, 9648 (2)                                 | 6254 (2), 6630 (2),<br>6631, 6647, 6669,<br>6732 (2), 6911 (2) |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 8587                                | $2 \times 4 : 2 : 2$   | 32    | 935550 | 10062, 9665 (2)   | 6254 (2), 6632 (2), 6633, 6649, 6670, 7101 (2), 7104 (2)   |
| 8588                                | $8 : 2 : 2$            | 32    | 467775 | 9968, 9648 (2)  | 6255, 6294 (2), 6485, 6621, 6626 (2), 6629 (2), 6634, 6635, 6640 (2), 6646 (2), 6647 (2), 6662, 6663, 6665 (2), 6666 (2)   |
| 8589                                | $D_8 \times 2 \cdot 2$ | 32    | 467775 | 9666 (2), 9968  | 6255, 6484, 6622, 6627 (2), 6628 (2), 6636, 6637, 6638 (2), 6639 (2), 6646 (2), 6648 (2), 6661, 6664, 6667 (2), 6668 (2)   |
| 8590                                | $8 : 2 : 2$            | 32    | 935550 | 10170, 9638 (2)   | 6281 (2), 6282, 6620 (2), 6642, 6643, 6671 (2), 6672 (2)   |
| 8591                                | $2 \times 4 : 2 : 2$   | 32    | 935550 | 10170, 10167 (2)  | 6281 (2), 6454, 6619 (2), 6641, 6644, 6809 (2), 6814 (2)   |
| 8592                                | $D_8 \times 2 \cdot 2$ | 32    | 935550 | 10168 (2), 10170  | 6282, 6453 (2), 6619 (2), 6643, 6645, 6673 (2), 6674 (2)   |
| 8593                                | $D_8 \times 2^2$       | 32    | 467775 | 9968, 10228 (4), 10170, 9663, 10062, 9956, 9825 (4), 10085, 10090 | 6290, 6457, 6539, 6556, 6641, 6642, 6645, 6647, 6648, 6649, 6651, 6652, 6663, 6664, 6675, 6676, 6677, 6680, 6682, 6711, 6713, 6714, 6716, 6724, 6725, 6827, 6837, 6842, 6844, 6848, 6849 |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 8594                                | $2^2 \times 4 : 2$   | 32    | 467775  | 9662 (2), 10063 (2),<br>9956, 10089 (2)  | 6290, 6490 (2), 6575,<br>6652 (2), 6678, 6679,<br>6710 (2), 6712 (2),<br>6715 (2), 6723 (2),<br>6923, 6982 (2), 6983,<br>6988, 7045 (2) |
| 8595                                | $2 \times 4 : 2 : 2$ | 32    | 467775  | 9968, 10167 (2)  | 6291 (2), 6449, 6538,<br>6623 (2), 6635, 6637,<br>6641 (2), 6658, 6660,<br>6666 (2), 6668 (2),<br>6675, 6681 (2), 6800<br>(2), 6807 (2) |
| 8596                                | $2 \times 4 : 2 : 2$ | 32    | 467775  | 9968, 10076 (2),<br>9947, 10173 (2),<br>9666                                     | 6295 (2), 6458, 6484,<br>6621, 6654 (2), 6655<br>(2), 6658, 6659, 6666<br>(2), 6667 (2), 6677,<br>6697 (2), 6718, 6846<br>(2), 6849 (2) |
| 8597                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 9662, 10075 (2),<br>9947, 9667, 10072<br>(2)                                     | 6295, 6298, 6514 (2),<br>6654 (2), 6679, 6707<br>(2), 7091 (2)  |
| 8598                                | $2^2 \times 4 : 2$   | 32    | 467775  | 9985, 10067 (2),<br>9666, 9956, 10157<br>(2)                                     | 6296, 6500 (2), 6603,<br>6664 (2), 6677, 6678,<br>6687 (2), 6735 (2),<br>6736 (2), 6898 (2),<br>6947, 6968 (2), 6975,<br>6995, 7045 (2) |
| 8599                                | $D_8 \times 2^2$     | 32    | 467775  | 9667 (2), 10229 (4),<br>10068 (2), 9956, 9922<br>(4), 10166, 10126               | 6296, 6501 (2), 6587,<br>6676, 6679, 6688 (2),<br>6734 (2), 6737 (2),<br>6827 (2), 6876 (2),<br>6933, 6974, 6978 (2),<br>7016, 7045 (2) |
| 8600                                | $2^3 \cdot 2 : 2$    | 32    | 467775  | 9985, 10192 (2),<br>9663, 10071 (2),<br>9947                                     | 6298 (2), 6537 (2),<br>6659 (2), 6677, 6708<br>(2), 6942 (2), 6947<br>(2), 7086 (2), 7089<br>(2), 7091 (2)                              |
| 8601                                | $8 : 2 : 2$          | 32    | 3742200 | 10136, 10012, 10009  | 6299, 6540, 6727  |
| 8602                                | $D_8 \times 2^2$     | 32    | 935550  | 9967 (2), 10132, 9887<br>(4), 10085, 10163 (2),<br>9709 (2), 10031 (2),<br>10032 | 6303, 6400, 6555,<br>6682, 6683, 6684,<br>6685, 6686, 6803,<br>6850, 6851, 6875,<br>6877, 6897, 6899                                    |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8603                                | $D_8 \times 2^2$              | 32    | 1871100 | 9787, 10044 (2),<br>10042 (2), 9720 (2),<br>9950 (2), 9749, 9863,<br>9842, 10031, 10064,<br>10070   | 6304, 6334, 6471,<br>6525, 6700, 6705,<br>6823   |
| 8604                                | $2^3 \times 4$                | 32    | 935550  | 9787 (2), 10043 (2),<br>9704 (2), 9772 (2),<br>10046 (4), 10032,<br>10165, 10124                    | 6304, 6399, 6410,<br>6505, 6506, 6683,<br>6690, 6691, 6694,<br>6784, 6789, 6870,<br>6931, 7003, 7008 |
| 8605                                | $D_8 \times 2^2$              | 32    | 935550  | 9863 (2), 9862 (2),<br>9719 (2), 9767 (2),<br>10045 (4), 10032,<br>10151, 9904                      | 6304, 6398, 6414,<br>6509, 6511, 6684,<br>6693 (2), 6695, 6742,<br>6781, 6787, 6874,<br>7006, 7009   |
| 8606                                | $D_8 \times 2^2$              | 32    | 935550  | 9786, 9720 (2), 10039<br>(2), 9814 (2), 9900<br>(2), 10034, 9841,<br>10058, 10069, 10031,<br>10065  | 6305, 6334 (2), 6526,<br>6686 (2), 6701 (2),<br>6835, 6948 (2)                                       |
| 8607                                | $D_8 \times 2^2$              | 32    | 935550  | 9851, 10031, 9813<br>(2), 10152, 9712<br>(2), 10041 (2), 9672,<br>10044 (2), 10033,<br>10153, 10069 | 6305, 6471 (2), 6533,<br>6685 (2), 6706 (2),<br>6835, 6949 (2)                                       |
| 8608                                | $2^3 \times 4$                | 32    | 935550  | 9786, 10046 (2),<br>9897 (2), 10033,<br>9685, 10074, 9788<br>(2), 9718 (2), 10124,<br>10032, 10130  | 6305, 6398, 6410,<br>6504, 6507, 6686,<br>6689, 6691, 6692,<br>6783, 6788, 6892,<br>6951, 6989, 6991 |
| 8609                                | $D_8 \times 2^2$              | 32    | 935550  | 9851, 10034, 9898<br>(2), 10154, 10045<br>(2), 9684, 9705 (2),<br>10032, 10151, 10124,<br>10040 (2) | 6305, 6399, 6414,<br>6508, 6510, 6685,<br>6690, 6692, 6694,<br>6786, 6788, 6896,<br>6952, 6990, 6992 |
| 8610                                | $2 \times 4 \cdot 2 \times 2$ | 32    | 935550  | 10032 (2), 9765 (2),<br>10089, 9706 (2)   | 6306, 6349, 6400,<br>6490, 6561, 6691,<br>6692, 6693, 6694,<br>6744, 6836, 6850,<br>6977, 6980, 6987 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 8611                                | $2 \times 4^2$         | 32    | 467775  | 10032 (2), 9789 (2),<br>10090, 9701 (2)   | 6306 (2), 6562, 6682,<br>6689, 6690 (2), 6695,<br>6836 (2), 6902 (2),<br>6921, 6958 (2), 6976,<br>6979 (2), 6986, 7046<br>(2), 7047 (2) |
| 8612                                | $2 \times 4^2$         | 32    | 935550  | 10032, 9777 (2), 9707<br>(2), 10130, 10166  | 6307, 6407, 6506,<br>6564, 6684, 6688,<br>6689, 6692, 6841,<br>6868, 6930, 6984,<br>6987, 6996, 6997                                    |
| 8613                                | $2^2 \times 4 \cdot 2$ | 32    | 935550  | 10032, 9807 (2),<br>10165, 9702 (2),<br>10157   | 6307, 6413, 6511,<br>6565, 6683, 6687,<br>6690, 6691, 6843,<br>6872, 6936, 6967,<br>6977, 6994, 6998                                    |
| 8614                                | $D_8 \times 2^2$       | 32    | 1871100 | 10034, 9951 (2), 9954<br>(2), 10160, 10033,<br>9973 (2), 9713 (2),<br>10161, 10031, 10156,<br>10162 | 6308, 6567, 6685,<br>6686, 6845, 6941,<br>6943  |
| 8615                                | $D_8 \times 2^2$       | 32    | 935550  | 10034 (2), 9861 (2),<br>10126, 10032, 9920<br>(4), 10159 (2), 9708<br>(2), 10151                    | 6308, 6413, 6508,<br>6570, 6686, 6688,<br>6694, 6695, 6847,<br>6895, 6946, 6980,<br>6981, 7013, 7015                                    |
| 8616                                | $2^3 \times 4$         | 32    | 935550  | 10033 (2), 9790 (2),<br>9710 (2), 10157,<br>10032, 9919 (4),<br>10158 (2), 10151                    | 6308, 6407, 6507,<br>6569, 6685, 6687,<br>6690, 6693, 6743,<br>6744, 6847, 6889,<br>6971, 7001, 7011                                    |
| 8617                                | $D_8 \times 2 : 2$     | 32    | 935550  | 9967 (2), 10035 (2),<br>9701, 10170, 9721   | 6314, 6464, 6619 (2),<br>6620 (2), 6682, 6698<br>(2), 6699 (2)  |
| 8618                                | $D_8 \times 2 : 2$     | 32    | 935550  | 9976, 10035 (2), 9709<br>(2), 10062, 9789   | 6316 (2), 6682, 6702,<br>6703 (2), 6704, 6901<br>(2), 7090 (2)  |
| 8619                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9759, 10063, 9748,<br>10031, 10035, 9843,<br>9706   | 6316, 6464, 6490,<br>6700, 6701, 6705,<br>6706  |
| 8620                                | $D_8 \times 2^2$       | 32    | 1871100 | 9788, 10042 (2),<br>10056 (2), 9751 (2),<br>9814 (2), 9719, 9858,<br>9839, 10065, 10035,<br>10070   | 6317, 6334, 6398,<br>6519, 6698, 6700,<br>6702  |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups                       |
| 8621                                | $D_8 \times 2^2$     | 32    | 1871100 | 9813 (2), 10177 (2), 10069, 10035, 9727, 10043, 9705, 10066, 9755 (2), 10042 (2), 10064 | 6317, 6399, 6471, 6520, 6699, 6701, 6703 |
| 8622                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 10065, 10068, 9707, 9861, 9849, 10035, 9773   | 6318, 6336, 6521, 6688, 6698, 6701, 6702 |
| 8623                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 10064, 10067, 9710, 9807, 9982, 10035, 9723   | 6318, 6472, 6522, 6687, 6699, 6700, 6703 |
| 8624                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9967, 10043, 10055, 9965, 9723, 9702, 10173   | 6319, 6494, 6515, 6517, 6683, 6697, 6699 |
| 8625                                | $4^2 : 2$            | 32    | 1871100 | 9967, 9777, 9747, 9964, 9773, 9719, 10172   | 6319, 6493, 6516, 6518, 6684, 6696, 6698 |
| 8626                                | $D_8 \times 2^2$     | 32    | 1871100 | 9967, 9890 (2), 9710, 10041 (2), 10173, 10066, 9970, 10184 (2), 10040, 9951 (2), 9729   | 6320, 6497, 6516, 6523, 6685, 6697, 6699 |
| 8627                                | $D_8 \times 2^2$     | 32    | 1871100 | 9967, 9891 (2), 9718, 9951 (2), 10172, 10039 (2), 9839, 10183 (2), 9959, 9861, 9775     | 6320, 6498, 6515, 6524, 6686, 6696, 6698 |
| 8628                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9790, 9729, 10035, 10067, 9702, 10064, 9977   | 6321, 6336, 6519, 6687, 6699, 6703, 6705 |
| 8629                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9708, 9762, 10035, 10068, 9777, 10152, 9775   | 6321, 6472, 6520, 6688, 6698, 6704, 6706 |
| 8630                                | $D_8 \times 2^2$     | 32    | 1871100 | 9838, 10035, 9751 (2), 9704, 10064, 9950 (2), 10069, 10055, 10039 (2), 10057 (2), 10040 | 6322, 6334, 6399, 6521, 6699, 6703, 6706 |
| 8631                                | $D_8 \times 2^2$     | 32    | 1871100 | 9860, 10177 (2), 9753 (2), 9862, 9718, 10041 (2), 9950 (2), 9747, 10070, 10152, 10035   | 6322, 6398, 6471, 6522, 6698, 6704, 6705 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups   | Minimal Overgroups                       |
| 8632                                | $D_8 \times 4$         | 32    | 1871100 | 10043, 10075, 9843, 9756, 9707, 10058, 9760   | 6323, 6337, 6494, 6503, 6506, 6701, 6707 |
| 8633                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 10043, 10055, 9709, 9724, 9807, 10071, 9977   | 6323, 6346, 6460, 6530, 6683, 6703, 6708 |
| 8634                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9719, 9769, 9843, 9749, 9807, 10061, 9978   | 6323, 6338, 6493, 6511, 6513, 6700, 6709 |
| 8635                                | $2^3 \times 4$         | 32    | 1871100 | 10046 (2), 9919 (2), 9842, 10188 (2), 9718, 9843, 9918 (2), 9770, 9790, 10180, 9805             | 6324, 6498, 6502, 6503, 6507, 6705, 6709 |
| 8636                                | $D_8 \times 2^2$       | 32    | 1871100 | 10044 (2), 9954 (2), 10066, 9952 (2), 10040, 9709, 10073 (2), 9852, 9790, 9982, 10071           | 6324, 6335, 6527, 6536, 6685, 6703, 6708 |
| 8637                                | $D_8 \times 2^2$       | 32    | 3742200 | 10046, 9954, 9915, 10186, 9720, 9920, 9981, 10183, 10039, 9973, 9907, 10190, 9955, 9887, 9776   | 6324, 6498, 6686                         |
| 8638                                | $D_8 \times 2^2$       | 32    | 3742200 | 10044, 9919, 10184, 9980, 10045, 9713, 10187, 9914, 10041, 9973, 10191, 9917, 10073, 9887, 9733 | 6324, 6497, 6685                         |
| 8639                                | $D_8 \times 2^2$       | 32    | 1871100 | 10040, 9843, 10189 (2), 9761, 10045 (2), 9920 (2), 10153, 9921 (2), 9708, 9845, 10072           | 6324, 6497, 6508, 6512, 6513, 6706, 6707 |
| 8640                                | $2^2 \times 4 \cdot 2$ | 32    | 1871100 | 9718, 9765, 9805, 10185, 9772, 9807, 9778   | 6325, 6502, 6522, 6524, 6530, 6691, 6709 |
| 8641                                | $D_8 \times 4$         | 32    | 1871100 | 10040, 9765, 10075, 9768, 10074, 9707, 9798   | 6325, 6337, 6521, 6523, 6527, 6692, 6707 |
| 8642                                | $D_8 \times 4$         | 32    | 1871100 | 10040, 9807, 10192, 9722, 10043, 9701, 9790   | 6325, 6327, 6503, 6513, 6690, 6699, 6708 |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8643                                | $D_8 \times 4$           | 32    | 1871100 | 10040, 9789, 9710, 10076, 9808, 9702, 10043   | 6326, 6328, 6337, 6512, 6690, 6697, 6703   |
| 8644                                | $2 \times 4^2$           | 32    | 935550  | 9718 (2), 9777 (2), 9806, 10193, 9789   | 6326 (2), 6502 (2), 6689, 6696, 6704, 6906 (2), 7094 (2)   |
| 8645                                | $D_8 \times 4$           | 32    | 1871100 | 10040, 9777, 9770, 10075, 9726, 9706, 10033   | 6326, 6503, 6514, 6516, 6536, 6692, 6706   |
| 8646                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 9719, 9978, 9790, 9864, 9765, 9767, 10077   | 6327, 6338, 6518, 6519, 6527, 6693, 6709   |
| 8647                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 10043, 10072, 9708, 9763, 9765, 10154, 9771   | 6327, 6512, 6517, 6520, 6530, 6694, 6707   |
| 8648                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 10043, 10034, 9706, 9769, 9861, 10072, 9764   | 6328, 6346, 6513, 6514, 6515, 6694, 6701   |
| 8649                                | $D_8 \times 2 : 2$       | 32    | 935550  | 9719 (2), 10078, 9789, 9861 (2), 9979   | 6328 (2), 6338 (2), 6695, 6696, 6702, 6904 (2), 7095 (2)   |
| 8650                                | $2 \times 4 : 2 : 2$     | 32    | 467775  | 9669 (2), 10059 (2), 9968, 10171, 10091   | 6329 (2), 6457, 6538, 6646 (2), 6650 (2), 6661, 6662, 6717 (2), 6718, 6719, 6722, 6725 (2), 6807 (2), 6825 (2), 6846 (2) |
| 8651                                | $D_8 \times 2 : 2$       | 32    | 467775  | 9968, 10172 (2), 9682 (2), 10193, 10078   | 6331 (2), 6458, 6485, 6622, 6653 (2), 6656 (2), 6657, 6660, 6665 (2), 6668 (2), 6696 (2), 6716, 6719, 6846 (2), 6848 (2) |
| 8652                                | $D_8 \times 2 : 2$       | 32    | 935550  | 10047, 10111 (2), 10029, 10049, 10095 (2)   | 6333, 6386 (2), 6615 (2), 6616 (2), 6765 (2), 6793, 7024   |
| 8653                                | $D_8 \times 2 : 2$       | 32    | 935550  | 10048, 10096 (2), 10029, 10112 (2), 10050   | 6333, 6377 (2), 6617 (2), 6618 (2), 6767 (2), 7025, 7026   |
| 8654                                | $D_8 \times 2^2$         | 32    | 1871100 | 10057 (2), 9748, 9839, 9952 (2), 10061, 9805, 9842, 10060 (2), 9955 (2), 9864, 9982 | 6335, 6495, 6498, 6529, 6535, 6700, 6709   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8655                                | $D_8 \times 2^2$     | 32    | 1871100 | 10056 (2), 9748, 9953 (2), 10073 (2), 10058, 10060 (2), 9798, 10066, 9849, 10072, 9845 | 6335, 6496, 6497, 6528, 6534, 6701, 6707   |
| 8656                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 10031, 9764, 9845, 10064, 9756, 9726, 10068  | 6336, 6472, 6501, 6525, 6701, 6706, 6823   |
| 8657                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 10031, 9692, 10061, 10067, 9844, 9794, 10065   | 6336 (2), 6500, 6526, 6700 (2), 6835, 6899 (2), 6941 (2)                                       |
| 8658                                | $2^2 \times 4 : 2$   | 32    | 1871100 | 9842, 10059, 9806, 9768, 9772, 9756, 9808  | 6337, 6502, 6505, 6525, 6529, 6532, 6717   |
| 8659                                | $D_8 \times 4$       | 32    | 935550  | 10058, 10059, 9795, 10074, 9689, 9844, 10076   | 6337 (2), 6504, 6526, 6528 (2), 6718, 6891 (2), 6957 (2)                                       |
| 8660                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9749, 9979, 9845, 9808, 10059, 9767, 9771  | 6338, 6509, 6512, 6525, 6528, 6531, 6717   |
| 8661                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 9841, 10078, 10061, 9796, 10059, 10077, 9684   | 6338 (2), 6510, 6526, 6529 (2), 6719, 6894 (2), 6953 (2)                                       |
| 8662                                | $D_8 \times 2^2$     | 32    | 935550  | 9976, 10038 (4), 9773 (2), 10078, 9806, 9831 (4), 9839 (2)                             | 6342 (2), 6529 (2), 6696, 6702, 6785, 6905 (2), 7092 (2)                                       |
| 8663                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 9759, 10075, 10034, 9773, 9726, 9864, 10066  | 6342, 6514, 6516, 6527, 6535, 6701, 6786   |
| 8664                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9976, 10055, 10076, 9723, 9808, 9729, 10066  | 6342, 6459, 6528, 6532, 6697, 6703, 6782   |
| 8665                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 10064, 10063, 9798, 9760, 9864, 10065, 9769  | 6343, 6468, 6519, 6521, 6700, 6701, 6715   |
| 8666                                | $D_8 \times 2 : 2$   | 32    | 935550  | 10064 (2), 9808 (2), 9852, 10062, 9724   | 6343, 6473, 6525 (2), 6630 (2), 6632 (2), 6703 (2), 6714                                       |
| 8667                                | $D_8 \times 2 : 2$   | 32    | 467775  | 10065 (2), 10078, 9795, 9859 (2), 10062  | 6343 (2), 6526 (2), 6631 (2), 6633 (2), 6702 (2), 6716, 6748 (2), 6909 (2), 6957 (2), 7097 (2) |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 8668                                | $D_8 \times 2^2$          | 32    | 935550  | 9806, 10123 (4),<br>10062, 9925 (4),<br>9832, 10068, 10070,<br>9979, 9741 | 6344 (2), 6525 (2),<br>6676, 6702, 6704,<br>6913 (2), 7098 (2)  |
| 8669                                | $D_8 \times 2 : 2$        | 32    | 935550  | 9796, 10071, 9681,<br>10076, 10069, 10067,<br>10062                       | 6344 (2), 6526, 6533,<br>6677, 6703 (2), 6953<br>(2), 6956 (2)  |
| 8670                                | $2^3 \cdot 2 \times 2$    | 32    | 1871100 | 9805, 10067, 9740,<br>10063, 10070, 9978,<br>9739                         | 6344, 6469, 6519,<br>6522, 6678, 6700,<br>6705  |
| 8671                                | $2^3 \cdot 2 : 2$         | 32    | 1871100 | 9725, 10075, 9738,<br>10072, 10069, 10068,<br>10063                       | 6344, 6469, 6520,<br>6521, 6679, 6701,<br>6706  |
| 8672                                | $2 \times 4 : 2 : 2$      | 32    | 935550  | 10034, 9794, 10074,<br>10077, 10071, 9686,<br>9859                        | 6346 (2), 6526, 6527<br>(2), 6537, 6788, 6941<br>(2), 6946 (2)  |
| 8673                                | $2^2 \times 4 : 2$        | 32    | 1871100 | 9839, 9769, 9772,<br>9766, 9805, 10077,<br>9977                           | 6346, 6465, 6519,<br>6524, 6529, 6709,<br>6784  |
| 8674                                | $2 \times 4 : 2 : 2$      | 32    | 1871100 | 10055, 9760, 10074,<br>9766, 10072, 9771,<br>9849                         | 6346, 6470, 6517,<br>6521, 6528, 6707,<br>6783  |
| 8675                                | $2 \times 4 : 2 \times 2$ | 32    | 935550  | 10032, 10203 (2),<br>9686 (2), 9901, 10089                                | 6349, 6554, 6555,<br>6557, 6742, 6743,<br>6921, 6922, 6923,<br>6930, 6931, 6936,<br>6946, 6951, 6952                                    |
| 8676                                | $D_8 \times 2^2$          | 32    | 467775  | 9663 (2), 9903 (4),<br>10205 (2), 9956,<br>10169 (4), 10206,<br>9901      | 6351, 6554 (2), 6556,<br>6710 (2), 6711 (2),<br>6734 (2), 6735 (2),<br>6740, 6741, 6922 (2),<br>6923, 6933, 6938 (2),<br>6945 (2), 6947 |
| 8677                                | $2^4 \cdot 2$             | 32    | 467775  | 9956, 10168 (4),<br>10206 (2)   | 6351, 6563 (2), 6575,<br>6645 (2), 6710 (2),<br>6736 (2), 6737 (2),<br>6738, 6739, 6837,<br>6852 (2), 6993 (2),<br>6995, 7007 (2), 7016 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 8678                                | $D_8 \times 2^2$       | 32    | 467775  | 9976 (2), 10020 (4),<br>9721 (2), 10132 (2),<br>9824 (4), 10090                                    | 6352, 6379 (2), 6573,<br>6682, 6726 (2), 6728<br>(2), 6730 (2), 6733<br>(2), 6745, 6747, 6782<br>(2), 6785, 6851 (2),<br>6966, 6970 (2) |
| 8679                                | $D_8 \times 2^2$       | 32    | 467775  | 10132, 10205 (2),<br>10110 (4), 10136<br>(4), 9901, 10062 (2),<br>10090                            | 6352, 6555 (2), 6556,<br>6727 (2), 6729 (2),<br>6731 (2), 6732 (2),<br>6746, 6748, 6921,<br>6922 (2), 6935, 6937<br>(2), 6955, 6956 (2) |
| 8680                                | $2^4 \cdot 2$          | 32    | 1871100 | 10194 (2), 10115,<br>10087, 10106 (2),<br>10092  | 6353, 6360, 6550,<br>6926, 6927, 6928,<br>6929  |
| 8681                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 10091, 10106 (2),<br>10086, 10114 (2),<br>10167  | 6353, 6360, 6474,<br>6644, 6807, 6809,<br>6812  |
| 8682                                | $D_8 \times 2 : 2$     | 32    | 935550  | 10091, 10194 (2),<br>10167, 9892, 9929 (2)   | 6353 (2), 6456, 6538,<br>6721, 6809 (2), 6830<br>(2), 6834 (2)  |
| 8683                                | $2^3 \cdot 2 \times 2$ | 32    | 935550  | 10167 (2), 10115 (2),<br>10085, 10106 (2)  | 6353, 6474, 6550,<br>6641, 6750, 6751,<br>6762, 6763, 6806,<br>6813, 6814, 6853,<br>6855, 6856, 6858                                    |
| 8684                                | $D_8 : 2^2$            | 32    | 935550  | 9975, 10087 (2),<br>10230 (2), 9957,<br>9647, 9866, 9825 (2),<br>10231 (2), 10090,<br>10010, 10195 | 6354, 6539, 6572,<br>6726, 6729, 6753,<br>6756, 6757, 6760,<br>6902, 6907, 6910,<br>6912, 6914, 6915                                    |
| 8685                                | $8 : 2 \times 2$       | 32    | 935550  | 10090, 10025 (2),<br>9638 (2), 10012 (2)   | 6354, 6604, 6642,<br>6727, 6728, 6754,<br>6755, 6758, 6759,<br>6910, 6958, 7055,<br>7057, 7060, 7063                                    |
| 8686                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 10081, 10104, 10100,<br>9937, 10102, 10097,<br>9941  | 6355, 6372, 6390,<br>6768, 6916, 7019,<br>7020  |
| 8687                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 10079, 10095, 10100,<br>10029, 10103, 10097,<br>10082  | 6355, 6372, 6377,<br>6765, 6775, 6918,<br>7021  |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8688                                | $D_8 \times 4$     | 32    | 1871100 | 10080, 10105, 10100, 10030, 10102, 10096, 10082  | 6355, 6607, 6920, 7020, 7021, 7026, 7027   |
| 8689                                | $D_8 \times 2 : 2$ | 32    | 1871100 | 9933, 10105, 10100, 9937, 10101, 10094, 10084  | 6355, 6609, 6771, 6916, 6919, 7027, 7030   |
| 8690                                | $D_8 \times 2^2$   | 32    | 935550  | 10081, 9679 (8), 10095 (2), 10100 (2), 9938, 10084   | 6355 (2), 6371, 6765, 6768, 6854 (2), 6919 (2), 6924 (2)   |
| 8691                                | $D_8 \times 2 : 2$ | 32    | 1871100 | 10079, 10104, 10100, 10030, 10101, 10095, 10083  | 6355, 6607, 6775, 6919, 7019, 7024, 7030   |
| 8692                                | $D_8 \times 2 : 2$ | 32    | 935550  | 10080, 10094 (2), 10100 (2), 10029, 10083  | 6355 (2), 6609, 6918 (2), 7024, 7026, 7068 (2), 7071 (2)   |
| 8693                                | $D_8 \times 2^2$   | 32    | 935550  | 10110 (2), 10029 (2), 9867 (4), 10092, 9938, 10114 (2), 10088 (2), 10087                               | 6356, 6360 (2), 6729 (2), 6765, 6767, 6918 (2), 6924 (2)   |
| 8694                                | $D_8 \times 2^2$   | 32    | 935550  | 9903 (2), 10116 (2), 9664 (2), 9937 (2), 10085, 10114 (2), 10086 (2), 10115, 9938                      | 6356, 6360, 6474, 6711, 6766, 6768, 6771, 6772, 6795, 6797, 6806, 6810, 6811, 6854, 6857                                 |
| 8695                                | $D_8 \times 2^2$   | 32    | 1871100 | 9960, 10120, 10118, 9657 (2), 10054 (2), 10122 (2), 10123 (2), 9958, 9871, 10127, 10088                | 6357, 6828 (2), 6913 (2)   |
| 8696                                | $D_8 \times 2^2$   | 32    | 935550  | 9961 (2), 10120 (2), 10085, 9939 (2), 10051 (2), 10099 (2), 9922 (2), 9940, 10128                      | 6357, 6416, 6475, 6547, 6749, 6750, 6766, 6794, 6795, 6826, 6827, 6832, 6856, 6880, 6882                                 |
| 8697                                | $2^5$              | 32    | 467775  | 10124, 10160 (4), 9915 (8), 9841 (4), 10081 (2), 9832 (2), 9934 (2), 10118 (4), 10126, 9959 (2), 10085 | 6357 (2), 6402 (2), 6463, 6545, 6676, 6686 (2), 6768 (2), 6789, 6805, 6829 (2), 6855 (2), 6864, 6866, 6894 (2), 6896 (2) |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8698                                | $D_8 \times 2^2$       | 32    | 935550  | 9960 (2), 10053 (4), 10047 (2), 10079 (2), 9940, 10081, 10117 (2), 10087               | 6357, 6546, 6753 (2), 6765, 6832 (2), 6928 (2), 7019 (2)   |
| 8699                                | $D_8 \times 2^2$       | 32    | 1871100 | 9961, 9872 (2), 10052 (2), 10121 (2), 9650 (2), 10127, 9959, 9871, 10086, 10119, 10117 | 6357, 6451, 6801, 6802, 6815, 6817, 6828   |
| 8700                                | $2^3 \times 4$         | 32    | 935550  | 9958 (2), 9784 (4), 10125 (2), 10048 (2), 10128, 9934, 10119 (2), 10087                | 6357, 6544, 6767, 6829 (2), 6914 (2), 6927 (2), 7029 (2)   |
| 8701                                | $2^2 \times 4 \cdot 2$ | 32    | 935550  | 10087, 10050 (2), 9942, 10131, 10129 (2)   | 6358, 6546, 6767, 6840 (2), 6915 (2), 6929 (2), 7017 (2)   |
| 8702                                | $2^4 \cdot 2$          | 32    | 935550  | 10085, 9941 (2), 9905 (2), 10084, 9942   | 6358, 6366, 6476, 6547, 6713, 6763, 6764, 6768, 6770, 6771, 6808, 6840, 6853, 6879, 6882                                 |
| 8703                                | $2^3 \times 4$         | 32    | 467775  | 10085, 10212 (4), 10131 (2), 10113, 9844 (4), 10130, 9945 (2)                          | 6358 (2), 6481, 6545, 6766 (2), 6804, 6838 (2), 6841, 6842, 6858 (2), 6859, 6862, 6891 (2), 6892 (2), 6899 (2), 6900 (2) |
| 8704                                | $2 \times 4^2$         | 32    | 935550  | 10087, 10082 (2), 10084, 10049 (2), 9945   | 6358, 6544, 6760 (2), 6765, 6838 (2), 6926 (2), 7027 (2)   |
| 8705                                | $8 : 2 \times 2$       | 32    | 935550  | 9646 (2), 10021 (2), 10090, 10009 (2)  | 6359, 6604, 6651, 6726, 6727, 6773, 6774, 6790, 6791, 6902, 6960, 7052, 7056, 7058, 7062                                 |
| 8706                                | $Q_8 : 2^2$            | 32    | 935550  | 9647 (2), 10232 (2), 9903 (2), 10030 (2), 10090, 10133, 9639 (2), 10013 (2), 10029     | 6359, 6572, 6711, 6728, 6729, 6775, 6776, 6792, 6793, 6958, 6960, 6962, 6964, 7022, 7026                                 |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 8707                                | $2 \times 4 : 2 : 2$   | 32    | 935550 | 10091, 10194 (2),<br>10086, 10088 (2),<br>9962                     | 6360 (2), 6456, 6721,<br>6722, 6812 (2), 6828<br>(2), 6833 (2)   |
| 8708                                | $2^3 \cdot 2 \times 2$ | 32    | 935550 | 9962, 10087 (2),<br>10167, 10085, 10194<br>(2)                     | 6360, 6456, 6550,<br>6675, 6720, 6769,<br>6770, 6794, 6796,<br>6810, 6814, 6829,<br>6832, 6838, 6840                                       |
| 8709                                | $D_8 \times 2^2$       | 32    | 467775 | 9979 (2), 10079 (4),<br>9743 (2), 9904, 10196<br>(4), 10126, 10090 | 6361, 6412 (2), 6509<br>(2), 6585, 6676,<br>6695, 6745, 6746,<br>6753 (2), 6755 (2),<br>6773 (2), 6775 (2),<br>6873 (2), 7009 (2),<br>7012 |
| 8710                                | $D_8 \times 2^2$       | 32    | 467775 | 10126 (2), 10078 (2),<br>10028 (4), 10197 (4),<br>10090, 10216 (2) | 6361, 6570 (2), 6602,<br>6747, 6748, 6754 (2),<br>6756 (2), 6774 (2),<br>6776 (2), 6848, 6894<br>(2), 6976, 6978 (2),<br>7014, 7015 (2)    |
| 8711                                | $2^2 \times 4 : 2$     | 32    | 935550 | 9978 (2), 9739 (2),<br>9904, 10157, 10089                          | 6362, 6412, 6421,<br>6492, 6511, 6578,<br>6678, 6693, 6742,<br>6781, 6860, 6873,<br>7006, 7012, 7033                                       |
| 8712                                | $2^2 \times 4 \cdot 2$ | 32    | 935550 | 10185 (2), 10214 (2),<br>10157 (2), 10089                          | 6362, 6590, 6597,<br>6599, 6743, 6744,<br>6886, 6890, 6898,<br>6967, 6968, 6982,<br>6994, 7000, 7034                                       |
| 8713                                | $D_8 \times 2^2$       | 32    | 467775 | 9964 (2), 9933 (4),<br>9741 (2), 9904, 10108<br>(4), 10166, 10085  | 6363, 6421 (2), 6461,<br>6552, 6676, 6684 (2),<br>6749 (2), 6751 (2),<br>6769 (2), 6771 (2),<br>6787, 6860, 6862,<br>6873 (2), 6874 (2)    |
| 8714                                | $2^4 \cdot 2$          | 32    | 467775 | 10166 (2), 10109 (4),<br>10085                                     | 6363, 6477, 6553,<br>6750 (2), 6752 (2),<br>6770 (2), 6772 (2),<br>6841, 6844, 6864,<br>6865, 6868 (2), 6869<br>(2), 6876 (2), 6877<br>(2) |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8715                                | $2^2 \times 4 : 2$       | 32    | 467775  | 9956, 9905 (4), 9924, 10113  | 6364, 6566 (2), 6587, 6712 (2), 6713 (2), 6734 (2), 6736 (2), 6738, 6741, 6842, 6878 (2), 6973 (2), 6975, 6983, 6985 (2) |
| 8716                                | $2^2 \times 4 : 2$       | 32    | 467775  | 9956, 10213 (2), 10113 (2), 9666 (2)   | 6364, 6571 (2), 6603, 6648 (2), 6712 (2), 6735 (2), 6737 (2), 6739, 6740, 6849, 6900 (2), 6969 (2), 6972 (2), 6974, 6988 |
| 8717                                | $8 : 2 \times 2$         | 32    | 935550  | 9986, 10022 (2), 9648, 10090, 10016 (2)  | 6365, 6605, 6663, 6730, 6732, 6757, 6758, 6773, 6776, 6907, 6962, 7046, 7051, 7052, 7057                                 |
| 8718                                | $2 \times 4 : 2 \cdot 2$ | 32    | 935550  | 10090, 10082 (2), 9905 (2), 10050, 10083   | 6365, 6611, 6713, 6731, 6733, 6759, 6760, 6774, 6775, 6915, 7026, 7047, 7051, 7060, 7062                                 |
| 8719                                | $2^2 \times 4 : 2$       | 32    | 935550  | 9963 (2), 10233 (2), 10085, 10128 (2)  | 6366, 6475, 6551, 6680, 6761, 6762, 6769, 6772, 6826, 6829, 6831, 6857, 6858, 6879, 6881                                 |
| 8720                                | $2^3 \cdot 2 \times 2$   | 32    | 1871100 | 10128, 9875 (4), 10084, 10092  | 6366, 6416, 6551, 6924, 6925, 6926, 6927   |
| 8721                                | $2^3 \cdot 2 \times 2$   | 32    | 935550  | 10128, 10144 (2), 9942, 10092, 10096 (2)   | 6366 (2), 6389, 6547, 6767, 6920 (2), 6929 (2), 6940 (2)   |
| 8722                                | $2^3 \cdot 2 : 2$        | 32    | 3742200 | 10109, 10099, 10106  | 6369, 6541, 6750   |
| 8723                                | $2 \times 4 : 2 : 2$     | 32    | 3742200 | 10108, 10098, 10106  | 6369, 6541, 6751   |
| 8724                                | $D_8 \times 2 \cdot 2$   | 32    | 1871100 | 10109, 10098, 9929   | 6369 (2), 6391 (2), 6752   |
| 8725                                | $2^{1+4}$                | 32    | 1871100 | 9926 (2), 10121 (2), 10234 (2), 10235 (2), 10108, 10236 (2), 10099, 9908 (2), 9929 | 6369 (2), 6749, 6815 (2)   |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8726                                | $2 \times 4 : 2 \times 2$ | 32    | 935550  | 10128, 10107 (2),<br>10096 (2), 10131,<br>9938                         | 6371, 6766, 6767,<br>6857 (2), 6917 (2),<br>6920 (2), 6924 (2)                                     |
| 8727                                | $D_8 \times 2 : 2$        | 32    | 1871100 | 9939, 9937, 10097,<br>10139, 10138, 10131,<br>10107                    | 6372, 6387, 6766,<br>6916, 6917, 7017,<br>7018   |
| 8728                                | $D_8 \times 2 : 2$        | 32    | 1871100 | 10125, 10097, 10029,<br>10096, 10129, 10137,<br>10107                  | 6372, 6386, 6767,<br>6917, 6918, 7021,<br>7022   |
| 8729                                | $D_8 \times 2 : 2$        | 32    | 1871100 | 10079, 10111, 10100,<br>10049, 10143, 10146,<br>10110                  | 6374, 6390, 6746,<br>6765, 6932, 7024,<br>7027   |
| 8730                                | $2 \times 4 : 2 : 2$      | 32    | 1871100 | 9922, 10107, 9903,<br>10138, 10130, 10142,<br>10111                    | 6374, 6386, 6766,<br>6793, 6932, 6933,<br>7028   |
| 8731                                | $D_8 \times 2 : 2$        | 32    | 1871100 | 10048, 10107, 10112,<br>10129, 10145, 10144,<br>10110                  | 6374, 6387, 6767,<br>6934, 6935, 7025,<br>7029   |
| 8732                                | $D_8 \times 2 : 2$        | 32    | 1871100 | 10124, 10102, 9905,<br>10141, 9903, 10100,<br>10112                    | 6374, 6377, 6741,<br>6768, 6934, 7026,<br>7030   |
| 8733                                | $D_8 \times 2 : 2$        | 32    | 1871100 | 10125, 10096, 10097,<br>10050, 10147, 10144,<br>10110                  | 6375, 6390, 6731,<br>6767, 6940, 7017,<br>7021   |
| 8734                                | $2 \times 4 \cdot 2 : 2$  | 32    | 1871100 | 9922, 10097, 9903,<br>10139, 10113, 10140,<br>10096                    | 6375, 6377, 6734,<br>6766, 6940, 7020,<br>7022   |
| 8735                                | $D_8 \times 2 : 2$        | 32    | 1871100 | 10047, 10097, 10095,<br>10082, 10147, 10146,<br>10110                  | 6375, 6387, 6731,<br>6765, 6939, 7019,<br>7021   |
| 8736                                | $D_8 \times 2 : 2$        | 32    | 1871100 | 10126, 10104, 9905,<br>10140, 9903, 10097,<br>10095                    | 6375, 6386, 6734,<br>6768, 6775, 6939,<br>7018   |
| 8737                                | $D_8 \times 4$            | 32    | 1871100 | 10048, 10094, 10141,<br>10030, 10112, 10139,<br>10082                  | 6377, 6387, 6544,<br>7025, 7026, 7029,<br>7030   |
| 8738                                | $D_8 \times 2^2$          | 32    | 467775  | 9681 (4), 10211 (4),<br>10124, 10103 (2),<br>10112 (2), 9901,<br>10113 | 6377 (4), 6545, 6560<br>(2), 6740 (2), 6741,<br>6931 (2), 6935, 6951<br>(2), 6952 (2), 6956<br>(2) |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8739                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 10079, 10030, 10103, 10140, 10102, 10050, 10097  | 6377, 6390, 6546, 6775, 7017, 7020, 7021   |
| 8740                                | $Q_8 : 4$            | 32    | 1871100 | 10024, 10133, 10021  | 6378, 6778, 6779, 6959, 6960, 7074, 7079   |
| 8741                                | $Q_8 : 2^2$          | 32    | 1871100 | 10020, 9642 (4), 10025, 10133  | 6378, 6728, 6777, 6780, 6959, 7076, 7077   |
| 8742                                | $2^4 \cdot 2$        | 32    | 935550  | 9759 (2), 9766 (2), 10032, 10089, 10132  | 6379, 6400, 6490, 6574, 6781, 6783, 6784, 6786, 6850, 6851, 6921, 6967, 6971, 6981, 6984 |
| 8743                                | $2^5$                | 32    | 935550  | 10069 (2), 10162 (2), 9907 (4), 10191 (2), 9910 (4), 9816 (2), 10179 (4), 10151, 10132, 9839 (2), 9860 (2), 10066 (2), 9838 (2), 10124 | 6382, 6398, 6399, 6495, 6496, 6685, 6686, 6782, 6784, 6785, 6786, 6888, 6956, 7037, 7044 |
| 8744                                | $Q_8 : 2^2$          | 32    | 1871100 | 10149 (2), 10155 (2), 10022, 10028, 10133  | 6383, 6776, 6777, 6779, 6963, 7077, 7079   |
| 8745                                | $D_8 \cdot 2^2$      | 32    | 1871100 | 10150 (2), 10026, 10023, 10155 (2), 10133  | 6383, 6778, 6780, 6963, 6964, 7074, 7076   |
| 8746                                | $D_8 \times 2^2$     | 32    | 935550  | 10152 (2), 9729 (2), 10156 (2), 9982 (2), 10151, 9917 (4), 10132, 10157  | 6384, 6403, 6495, 6590, 6685, 6687, 6781, 6782, 6885, 6897, 6955, 6970, 6981, 7034, 7038 |
| 8747                                | $D_8 \times 2^2$     | 32    | 935550  | 10065 (2), 9775 (2), 9849 (2), 10156 (2), 10130, 10190 (2), 9819 (2), 10126, 10132   | 6384, 6405, 6496, 6595, 6686, 6688, 6745, 6747, 6748, 6783, 6885, 6899, 6984, 7039, 7041 |
| 8748                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 10047, 10137, 10030, 10138, 10129, 10140, 10097  | 6386, 6387, 6546, 7018, 7019, 7021, 7022   |
| 8749                                | $D_8 \times 2^2$     | 32    | 467775  | 10126, 9859 (4), 10210 (4), 10111 (2), 9901, 10130, 10137 (2)  | 6386 (4), 6545, 6559 (2), 6746, 6748 (2), 6930 (2), 6933, 6945 (2), 6946 (2), 6951 (2)   |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8750                                | $D_8 \times 4$                | 32    | 1871100 | 10125, 10111, 10030, 10142, 10049, 10104, 10094                     | 6386, 6390, 6544, 6793, 7024, 7027, 7028   |
| 8751                                | $D_8 \times 2^2$              | 32    | 935550  | 9934, 9911 (4), 10137, 10092, 10208 (4), 10145, 10131, 10147, 10112 | 6387 (2), 6388, 6545, 6767, 6805 (2), 6927 (2), 6934 (2)                                 |
| 8752                                | $D_8 \times 2 : 2$            | 32    | 1871100 | 9939, 10097, 10092, 10144, 9941, 10146, 10094                       | 6387, 6390, 6547, 6916, 6918, 6939, 6940   |
| 8753                                | $2^2 \times 4 : 2$            | 32    | 935550  | 9934, 10104 (2), 10115, 10141 (2), 10084                            | 6388, 6544, 6768, 6855 (2), 6927 (2), 7030 (2), 7032 (2)                                 |
| 8754                                | $D_8 \times 2^2$              | 32    | 935550  | 9940, 9923 (8), 10146 (2), 10092, 10095 (2), 10084                  | 6388, 6416 (2), 6547, 6765, 6919 (2), 6928 (2), 6939 (2)                                 |
| 8755                                | $2^2 \times 4 : 2$            | 32    | 935550  | 9940, 10140 (2), 10115, 10131, 10138 (2)                            | 6388, 6546, 6766, 6856 (2), 6928 (2), 7018 (2), 7023 (2)                                 |
| 8756                                | $D_8 \times 2^2$              | 32    | 935550  | 10081, 10209 (4), 10143, 9912 (4), 10092, 10111, 9945, 10103, 10147 | 6389, 6390 (2), 6545, 6765, 6804 (2), 6926 (2), 6932 (2)                                 |
| 8757                                | $2 \times 4 \cdot 2 \times 2$ | 32    | 935550  | 10128, 10142 (2), 10115, 9945, 10139 (2)                            | 6389, 6544, 6766, 6858 (2), 6926 (2), 7028 (2), 7031 (2)                                 |
| 8758                                | $2^2 \times 4 : 2$            | 32    | 935550  | 10081, 10102 (2), 10115, 10140 (2), 9942                            | 6389, 6546, 6768, 6853 (2), 6929 (2), 7020 (2), 7023 (2)                                 |
| 8759                                | $D_8 \times 2 : 2$            | 32    | 3742200 | 10237, 10238 (2), 10109, 9913 (2), 10134                            | 6391, 6865, 7106   |
| 8760                                | $2^3 \cdot 2 : 2$             | 32    | 3742200 | 10109, 10116, 10233   | 6391, 6772, 7106   |
| 8761                                | $D_8 \times 2 : 2$            | 32    | 3742200 | 10237, 9676 (2), 10098, 9679 (2), 10116                             | 6391, 6854, 7106   |
| 8762                                | $2 \times 4 : 2 : 2$          | 32    | 3742200 | 10134, 10098, 10233   | 6391, 6881, 7106   |
| 8763                                | $D_8 \times 2 : 2$            | 32    | 1871100 | 10237, 10239 (2), 10233, 9908 (2), 9929                             | 6391 (2), 6830 (2), 6831   |
| 8764                                | $2 \times 4 : 2 \times 2$     | 32    | 935550  | 10165, 9977 (2), 9723 (2), 10157, 10132                             | 6393, 6405, 6492, 6576, 6683, 6687, 6782, 6784, 6861, 6875, 6937, 6966, 6967, 7034, 7039 |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 8765                                | $D_8 \times 2^2$          | 32    | 935550  | 10151, 10219 (4),<br>9773 (2), 9762 (2),<br>9913 (4), 10166,<br>10132   | 6393, 6403, 6491,<br>6579, 6684, 6688,<br>6785, 6786, 6865,<br>6877, 6937, 6970,<br>6971, 7038, 7041                                    |
| 8766                                | $D_8 \times 2^2$          | 32    | 467775  | 9904, 9858 (4), 9747<br>(4), 10143 (2), 10130,<br>10178 (2), 10132      | 6395, 6398 (2), 6492<br>(2), 6684 (2), 6745<br>(2), 6746, 6781 (2),<br>6862, 6932 (4), 7033<br>(2)                                      |
| 8767                                | $D_8 \times 2^2$          | 32    | 467775  | 10124, 10055 (4),<br>9727 (4), 10178 (2),<br>10165, 10145 (2),<br>10132 | 6395, 6399 (2), 6491<br>(2), 6683 (2), 6782<br>(2), 6783 (2), 6866,<br>6934 (4), 6935, 7036<br>(2)                                      |
| 8768                                | $Q_8 \times 2 \cdot 2$    | 32    | 935550  | 10164, 10133, 10105<br>(2), 10142 (2), 10049                            | 6396, 6777 (2), 6778<br>(2), 6793, 7027 (2),<br>7028 (2), 7031  |
| 8769                                | $2 \times 4 : 2 \cdot 2$  | 32    | 935550  | 10048, 10105 (2),<br>10141 (2), 10083,<br>10133                         | 6396, 6779 (2), 6780<br>(2), 7026, 7029 (2),<br>7030 (2), 7032  |
| 8770                                | $Q_8 : 2^2$               | 32    | 3742200 | 9716, 9658, 10148,<br>9714, 9831, 10011,<br>10149                       | 6397, 7092, 7107  |
| 8771                                | $Q_8 : 2^2$               | 32    | 3742200 | 9717, 10148, 10150,<br>9645, 9715, 9653,<br>9658                        | 6397, 7082, 7107  |
| 8772                                | $D_8 \cdot 2^2$           | 32    | 1871100 | 9716 (2), 9645 (2),<br>10020, 10164, 10022                              | 6397, 6548, 6730,<br>6777, 7048, 7064,<br>7069  |
| 8773                                | $Q_8 : 2^2$               | 32    | 1871100 | 9717 (2), 10011 (2),<br>10023, 10021, 10164                             | 6397, 6549, 6778,<br>7058, 7061, 7064,<br>7066  |
| 8774                                | $2 \times 4 : 2 \times 2$ | 32    | 467775  | 9969, 10171, 9686<br>(2), 10032 (2), 10085                              | 6400 (2), 6457, 6557,<br>6720 (2), 6787, 6788<br>(2), 6789, 6803, 6806<br>(2), 6808 (2), 6826<br>(2), 6836 (2), 6841,<br>6843, 6847 (2) |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 8775                                | $D_8 \times 2^2$ | 32    | 1871100 | 10154, 9890 (2),<br>10163, 10153, 9733<br>(2), 10162, 10152,<br>9952 (2), 10158,<br>9980 (2), 10161    | 6401, 6495, 6588,<br>6685, 6883, 6943,<br>6954  |
| 8776                                | $2^3 \times 4$   | 32    | 935550  | 10074 (2), 9770 (2),<br>9820 (2), 10151,<br>10089, 10130, 10188<br>(2), 9798 (2), 10158<br>(2)         | 6401, 6409, 6496,<br>6507, 6597, 6692,<br>6715, 6781, 6887,<br>6891, 6946, 6996,<br>6999, 7035, 7041                                    |
| 8777                                | $D_8 \times 2^2$ | 32    | 935550  | 10154 (2), 9864 (2),<br>10089, 10151 (2),<br>9921 (4), 10159 (2),<br>9761 (2)                          | 6401, 6415, 6420,<br>6495, 6508, 6592,<br>6693, 6715, 6743,<br>6786, 6887, 6893,<br>7010, 7013, 7038                                    |
| 8778                                | $D_8 \times 2^2$ | 32    | 1871100 | 10074, 10183 (2),<br>9953 (2), 10160,<br>10065, 10163, 10058,<br>9776 (2), 9889 (2),<br>10162, 10159   | 6401, 6496, 6593,<br>6686, 6883, 6941,<br>6957  |
| 8779                                | $2^5$            | 32    | 467775  | 10085, 10081 (4),<br>10153 (4), 10237 (4),<br>9914 (8), 10160 (4),<br>9852 (2), 10151 (2),<br>9970 (2) | 6401 (2), 6463, 6558,<br>6685 (2), 6714, 6787,<br>6804, 6831 (2), 6832<br>(2), 6853 (2), 6854<br>(2), 6863, 6865, 6893<br>(2), 6895 (2) |
| 8780                                | $D_8 \times 2^2$ | 32    | 935550  | 10058 (2), 10186<br>(2), 9859, 10161 (2),<br>10130, 9687, 9912<br>(2), 10151, 10172,<br>10085, 9971    | 6401, 6422, 6462,<br>6559, 6684, 6686,<br>6716, 6788, 6804,<br>6867, 6868, 6885,<br>6887, 6889, 6891                                    |
| 8781                                | $D_8 \times 2^2$ | 32    | 935550  | 9684 (2), 10189 (2),<br>9821 (2), 10159 (2),<br>10124, 10072 (2),<br>9738 (2), 10089,<br>10126         | 6402, 6412, 6496,<br>6508, 6596, 6679,<br>6694, 6783, 6886,<br>6894, 6951, 7008,<br>7014, 7040, 7044                                    |
| 8782                                | $2^3 \times 4$   | 32    | 935550  | 9685 (2), 9918 (4),<br>10158 (2), 10124,<br>9805 (2), 9740 (2),<br>10157, 10089                        | 6402, 6406, 6495,<br>6507, 6591, 6678,<br>6691, 6784, 6886,<br>6890, 6952, 6990,<br>7000, 7036, 7040                                    |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8783                                | $D_8 \times 2^2$       | 32    | 1871100 | 9684, 10073 (2), 9732 (2), 10158, 10069, 10156, 9672, 10184 (2), 9888 (2), 10163, 10160 | 6402, 6496, 6594, 6685, 6884, 6948, 6953   |
| 8784                                | $D_8 \times 2^2$       | 32    | 1871100 | 9685, 9955 (2), 9774 (2), 10156, 10069, 10159, 9841, 9981 (2), 9891 (2), 10161, 10163   | 6402, 6495, 6589, 6686, 6884, 6949, 6953   |
| 8785                                | $D_8 \times 2^2$       | 32    | 935550  | 9672 (2), 10071, 9681, 10157, 10124, 10187 (2), 9911 (2), 10161 (2), 9972, 10173, 10085 | 6402, 6421, 6462, 6560, 6677, 6683, 6685, 6788, 6805, 6869, 6870, 6886, 6888, 6890, 6892 |
| 8786                                | $2^3 \cdot 2 \times 2$ | 32    | 935550  | 10032, 9768 (2), 10166, 9726 (2), 10151   | 6403, 6407, 6501, 6505, 6584, 6692, 6786, 6787, 6868, 6877, 6936, 6979, 6980, 7001, 7013 |
| 8787                                | $2^3 \cdot 2 \times 2$ | 32    | 935550  | 10032, 10077, 10157, 9692, 10151, 9688, 9983  | 6403, 6413, 6500, 6510, 6601, 6693, 6743, 6744, 6784, 6788, 6895, 6897, 6979, 6996, 6998 |
| 8788                                | $D_8 : 4$              | 32    | 1871100 | 10020, 10083, 10026   | 6404, 6548, 6733, 6780, 7050, 7065, 7068   |
| 8789                                | $D_8 : 4$              | 32    | 1871100 | 10021, 10083, 10028   | 6404, 6549, 6774, 6779, 7059, 7065, 7071   |
| 8790                                | $2^3 \cdot 2 \times 2$ | 32    | 935550  | 10032, 9771 (2), 10165, 9764 (2), 10126   | 6405, 6413, 6501, 6509, 6586, 6694, 6783, 6789, 6872, 6875, 6930, 6976, 6977, 7011, 7015 |
| 8791                                | $2^2 \times 4 \cdot 2$ | 32    | 935550  | 10032, 9689, 10130, 9690, 10157, 10185, 9794  | 6405, 6407, 6500, 6504, 6599, 6691, 6781, 6788, 6889, 6899, 6946, 6986, 6987, 6994, 6997 |

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| Nr.                                 | Structure                    | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8792                                | $2^3 \times 4$               | 32    | 467775  | 10124, 10080 (2),<br>9742 (2), 10048 (2),<br>10036 (4), 10166,<br>9806 (2), 10090 | 6406 (2), 6505 (2),<br>6582, 6676, 6689,<br>6785, 6869 (2), 6914<br>(2), 6935, 6992 (2),<br>7002, 7014, 7026 (2),<br>7052 (2), 7055 (2)    |
| 8793                                | $2^4 \cdot 2$                | 32    | 935550  | 10124, 10075 (2),<br>9725 (2), 10089,<br>10166                                    | 6406, 6421, 6491,<br>6506, 6581, 6679,<br>6692, 6786, 6864,<br>6869, 6931, 6991,<br>7000, 7037, 7040                                       |
| 8794                                | $2^4 \cdot 2$                | 32    | 935550  | 10124, 10076, 9680,<br>10090, 9796, 10192,<br>10157                               | 6406, 6412, 6504,<br>6510, 6600, 6677,<br>6690, 6782, 6890,<br>6894, 6956, 6989,<br>7000, 7002, 7003                                       |
| 8795                                | $D_8 : 4$                    | 32    | 1871100 | 10023, 10083, 10025   | 6408, 6549, 6780,<br>7059, 7060, 7068,<br>7070   |
| 8796                                | $2 \times 4 \cdot 2 \cdot 2$ | 32    | 1871100 | 10022, 10083, 10024   | 6408, 6548, 6779,<br>7050, 7051, 7070,<br>7071   |
| 8797                                | $2^2 \times 4 \cdot 2$       | 32    | 935550  | 10130, 9778 (2), 9760<br>(2), 10165, 10089  | 6409, 6422, 6492,<br>6506, 6577, 6691,<br>6715, 6783, 6859,<br>6867, 6930, 6994,<br>7005, 7035, 7039                                       |
| 8798                                | $2 \times 4^2$               | 32    | 467775  | 10130 (2), 9691 (2),<br>9795, 10193, 10090  | 6409 (2), 6418, 6504<br>(2), 6598, 6689,<br>6716, 6745, 6748,<br>6757 (2), 6759 (2),<br>6790 (2), 6792 (2),<br>6891 (2), 6997 (2),<br>7005 |
| 8799                                | $2^4 \cdot 2$                | 32    | 935550  | 10151, 9722 (2),<br>10165, 9808 (2),<br>10090                                     | 6409, 6415, 6505,<br>6509, 6583, 6690,<br>6714, 6782, 6867,<br>6871, 6937, 6998,<br>7004, 7010, 7015                                       |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 8800                                | $D_8 \cdot 2^2$      | 32    | 1871100 | 10164, 10240 (4),<br>10028, 10025  | 6411, 6549, 6754,<br>6777, 7061, 7067,<br>7069  |
| 8801                                | $Q_8 : 4$            | 32    | 1871100 | 10164, 10026, 10024  | 6411, 6548, 6778,<br>7048, 7049, 7066,<br>7067  |
| 8802                                | $2^4 \cdot 2$        | 32    | 935550  | 10165, 9769 (2),<br>10151, 9763 (2),<br>10089  | 6415, 6422, 6491,<br>6511, 6580, 6694,<br>6715, 6784, 6863,<br>6871, 6936, 7010,<br>7011, 7034, 7035                                    |
| 8803                                | $D_8 \times 2^2$     | 32    | 467775  | 10151 (2), 10037 (4),<br>10023 (4), 9693 (2),<br>10090, 9984, 10078                          | 6415 (2), 6510 (2),<br>6602, 6695, 6716,<br>6785, 6893 (2), 6907<br>(2), 6955, 6964 (2),<br>6999, 7001 (2), 7004,<br>7058 (2), 7060 (2) |
| 8804                                | $2 \times 4 : 2 : 2$ | 32    | 3742200 | 10093, 9923 (2),<br>10051, 9875 (2),<br>9665   | 6416, 7104, 7105  |
| 8805                                | $2^4 \cdot 2$        | 32    | 935550  | 10085, 10084 (2),<br>9665 (2), 10098 (2)   | 6416, 6476, 6551,<br>6649, 6751, 6752,<br>6796, 6797, 6808,<br>6838, 6839, 6854,<br>6855, 6880, 6881                                    |
| 8806                                | $D_8 : 2^2$          | 32    | 935550  | 9649 (2), 10017 (2),<br>9922 (2), 10125 (2),<br>10090, 10047, 10241<br>(2), 10199 (2), 10164 | 6417, 6611, 6730,<br>6731, 6753, 6754,<br>6790, 6793, 6827,<br>6914, 7022, 7046,<br>7049, 7058, 7063                                    |
| 8807                                | $8 : 2 \times 2$     | 32    | 935550  | 9648 (2), 10026 (2),<br>10090, 10198 (2)   | 6417, 6605, 6647,<br>6732, 6733, 6755,<br>6756, 6791, 6792,<br>6912, 6964, 7047,<br>7049, 7055, 7056                                    |
| 8808                                | $2 \times 4^2$       | 32    | 467775  | 10130, 10224 (2),<br>10049 (2), 9924,<br>10090   | 6418, 6564 (2), 6582,<br>6746, 6747, 6758 (2),<br>6760 (2), 6791 (2),<br>6793 (2), 6842, 6867<br>(2), 6985 (2), 6986,<br>6989 (2), 6999 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8809                                | $2^2 \times 4 : 2$     | 32    | 467775  | 9965 (2), 9724 (2),<br>10085, 10165 (2)                         | 6419, 6422 (2), 6461,<br>6553, 6683 (2), 6714,<br>6761 (2), 6763 (2),<br>6789, 6794 (2), 6797<br>(2), 6859, 6861, 6871<br>(2), 6872 (2)    |
| 8810                                | $2^2 \times 4 : 2$     | 32    | 467775  | 10085, 9943 (4),<br>9924, 10165                                 | 6419, 6477, 6552,<br>6762 (2), 6764 (2),<br>6795 (2), 6796 (2),<br>6842, 6843, 6863,<br>6866, 6867 (2), 6870<br>(2), 6875 (2), 6878<br>(2) |
| 8811                                | $2^2 \times 4 : 2$     | 32    | 935550  | 10151, 10222 (4),<br>9924, 10089                                | 6420, 6579, 6581,<br>6584, 6742, 6744,<br>6863, 6867, 6878,<br>6981, 6983, 6985,<br>6990, 6999, 7044                                       |
| 8812                                | $2^3 \cdot 2 : 2$      | 32    | 935550  | 9969, 10086, 10167  | 6449, 6644 (2), 6720,<br>6721, 6798 (2), 6801<br>(2), 6806 (2)   |
| 8813                                | $2^{1+4}$              | 32    | 467775  | 9663 (2), 9868 (4),<br>10230 (4), 9647 (2),<br>9968, 10086 (2)  | 6449, 6539, 6624 (2),<br>6625 (2), 6634, 6636,<br>6657, 6659, 6665 (2),<br>6667 (2), 6711 (2),<br>6722, 6799 (2), 6802<br>(2), 6807 (2)    |
| 8814                                | $2^{1+4}$              | 32    | 935550  | 10169 (2), 9867 (4),<br>9647 (2), 10062,<br>10242 (4), 9664 (2) | 6450 (2), 6631, 6632<br>(2), 6669, 6711, 6729<br>(2), 7099 (2)   |
| 8815                                | $2 \times 4 : 2 : 2$   | 32    | 3742200 | 10169, 10168, 10063   | 6450, 6453, 6710   |
| 8816                                | $2 \times 4 : 2 : 2$   | 32    | 935550  | 10062, 10168 (2)  | 6450 (2), 6630 (2),<br>6633, 6645, 6670,<br>7087 (2), 7103 (2)   |
| 8817                                | $2^3 \cdot 2 \times 2$ | 32    | 1871100 | 9963, 10119 (2),<br>10167, 9959, 10239<br>(2)                   | 6451, 6681, 6801,<br>6819, 6821, 6829,<br>6830   |
| 8818                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9970, 10127 (2),<br>9963, 10239 (2),<br>10086                   | 6451, 6798, 6799,<br>6820, 6822, 6828,<br>6831   |
| 8819                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9970, 10239 (2),<br>10167, 10117 (2),<br>9961                   | 6451, 6798, 6800,<br>6816, 6818, 6830,<br>6832   |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8820                                | $2^3 \cdot 2 : 2$        | 32    | 1871100 | 9965, 9961, 10167  | 6452, 6794, 6800, 6801, 6816, 6819, 6834   |
| 8821                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 9964, 9963, 10167  | 6452, 6681, 6769, 6798, 6818, 6821, 6834   |
| 8822                                | $D_8 \times 2 \cdot 2$   | 32    | 1871100 | 9965, 9963, 10086  | 6452, 6761, 6799, 6801, 6817, 6822, 6833   |
| 8823                                | $2^{1+4}$                | 32    | 1871100 | 9668 (2), 10234 (2), 9651 (2), 9873 (2), 9964, 9874 (2), 9961, 10086, 10236 (2)    | 6452, 6749, 6798, 6802, 6815, 6820, 6833   |
| 8824                                | $2^{1+4}$                | 32    | 935550  | 10169 (2), 9823 (4), 10086 (2), 10170, 10135 (4), 9639 (2)                         | 6453 (2), 6454, 6620 (2), 6644, 6711, 6811 (2), 6812 (2)                                       |
| 8825                                | $2^3 \cdot 2 : 2$        | 32    | 1871100 | 10171, 10086, 10167  | 6454, 6806, 6807, 6809, 6810, 6812, 6813   |
| 8826                                | $2^3 \cdot 2 : 2$        | 32    | 935550  | 10171, 10086, 9962   | 6455, 6720, 6722, 6810 (2), 6812 (2), 6817 (2), 6820 (2)                                       |
| 8827                                | $2 \times 4 : 2 : 2$     | 32    | 935550  | 10170, 10167, 9962   | 6455, 6675, 6721, 6812 (2), 6814 (2), 6816 (2), 6821 (2)                                       |
| 8828                                | $D_8 \times 2 \cdot 2$   | 32    | 935550  | 10171, 10167, 9892   | 6455, 6538, 6720, 6809 (2), 6813 (2), 6818 (2), 6819 (2)                                       |
| 8829                                | $2^{1+4}$                | 32    | 935550  | 10228 (2), 10195 (2), 10230 (2), 9930 (2), 10170, 10231 (2), 10086, 9892, 9929 (2) | 6455, 6539, 6721, 6809 (2), 6811 (2), 6815 (2), 6822 (2)                                       |
| 8830                                | $2^3 \cdot 2 : 2$        | 32    | 467775  | 10031 (2), 9969, 9673 (2), 10170, 10091  | 6457, 6464 (2), 6643 (2), 6644 (2), 6721 (2), 6803 (2), 6823 (2), 6824 (2), 6835 (2), 6845 (2) |
| 8831                                | $2 \times 4 \cdot 2 : 2$ | 32    | 935550  | 9969, 10172, 9690, 9692, 10034, 10173, 10033                                       | 6458, 6515 (2), 6516 (2), 6788, 6835, 6845 (2), 6847 (2)                                       |
| 8832                                | $D_8 \times 2 : 2$       | 32    | 935550  | 9976, 9747 (2), 10193, 9979, 9775 (2)  | 6459 (2), 6531 (2), 6696, 6704, 6745, 6903 (2), 7093 (2)                                       |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups                                       |
| 8833                                | $2^2 \times 4 : 2$   | 32    | 1871100 | 9759, 9778, 10033, 10055, 9764, 10072, 9775   | 6459, 6514, 6515, 6530, 6534, 6706, 6783                 |
| 8834                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 10153, 10055, 9762, 9756, 9763, 10075, 9748   | 6460, 6491, 6494, 6532, 6535, 6706, 6707                 |
| 8835                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9749, 9977, 9747, 10180, 9978, 9778, 9748   | 6460, 6492, 6493, 6531, 6534, 6705, 6709                 |
| 8836                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 9749 (2), 9965, 9964, 9756 (2), 10091   | 6461, 6493 (2), 6494 (2), 6717, 6823, 6833 (2), 6834 (2) |
| 8837                                | $D_8 \times 2^2$     | 32    | 935550  | 10153, 9971, 10173, 9912 (2), 10187 (2), 9844, 10143 (2), 9674, 10058, 10181 (2), 10091               | 6462, 6494 (2), 6497 (2), 6718, 6804 (2), 6835, 6883 (2) |
| 8838                                | $D_8 \times 2^2$     | 32    | 935550  | 9841, 10172, 9972, 10186 (2), 9911 (2), 10180, 10145 (2), 10061, 9672, 10181 (2), 10091               | 6462, 6493 (2), 6498 (2), 6719, 6805 (2), 6835, 6884 (2) |
| 8839                                | $2^5$                | 32    | 935550  | 10179 (4), 9914 (4), 9845 (2), 9842 (2), 10182 (4), 9915 (4), 10237 (4), 10118 (4), 9959, 10091, 9970 | 6463, 6497 (2), 6498 (2), 6717, 6823, 6828 (2), 6830 (2) |
| 8840                                | $2^3 \cdot 2 : 2$    | 32    | 1871100 | 9761, 10075, 9768, 10154, 10066, 9766, 9762   | 6465, 6520, 6523, 6532, 6536, 6707, 6786                 |
| 8841                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 9982, 10055, 9722, 10192, 10066, 9721, 9977   | 6465, 6470, 6534, 6535, 6699, 6708, 6782                 |
| 8842                                | $D_8 \times 2 : 2$   | 32    | 935550  | 9970, 9768 (2), 10171, 9767 (2), 9964   | 6466, 6518 (2), 6523 (2), 6717, 6787, 6818 (2), 6820 (2) |
| 8843                                | $D_8 \times 2^2$     | 32    | 935550  | 9959, 9926 (4), 10068, 9935 (4), 9742, 10170, 10070, 9743, 9964                                       | 6466, 6469 (2), 6676, 6698 (2), 6815 (2), 6821 (2), 6823 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups                             | Minimal Overgroups   |
| 8844                                | $D_8 \times 2 : 2$     | 32    | 935550  | 9970, 10064 (2), 9722 (2), 10170, 9965        | 6466, 6468 (2), 6699 (2), 6714, 6816 (2), 6822 (2), 6823   |
| 8845                                | $2^2 \times 4 : 2$     | 32    | 935550  | 9959, 9771 (2), 9772 (2), 10171, 9965         | 6466, 6517 (2), 6524 (2), 6717, 6789, 6817 (2), 6819 (2)   |
| 8846                                | $D_8 \times 2 : 2$     | 32    | 935550  | 9971, 10172, 9691, 9693, 10065, 10170, 10152  | 6467, 6468 (2), 6698 (2), 6716, 6835, 6883 (2), 6885 (2)   |
| 8847                                | $2 \times 4 : 2 : 2$   | 32    | 935550  | 9972, 10185, 9685, 10171, 9684, 10077, 10172  | 6467, 6518 (2), 6524 (2), 6719, 6788, 6884 (2), 6886 (2)   |
| 8848                                | $2 \times 4 : 2 : 2$   | 32    | 935550  | 9971, 10171, 9689, 9688, 10074, 10173, 10154  | 6467, 6517 (2), 6523 (2), 6718, 6788, 6883 (2), 6887 (2)   |
| 8849                                | $2^3 \cdot 2 : 2$      | 32    | 935550  | 9972, 10067, 9680, 10170, 10069, 10192, 10173 | 6467, 6469 (2), 6677, 6699 (2), 6835, 6884 (2), 6888 (2)   |
| 8850                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9761, 10063, 9770, 10152, 10064, 9778, 9763   | 6468, 6473, 6520, 6522, 6705, 6706, 6715   |
| 8851                                | $2^3 \cdot 2 : 2$      | 32    | 1871100 | 9767, 9747, 9770, 9766, 9982, 9978, 10185     | 6470, 6518, 6522, 6531, 6536, 6709, 6781   |
| 8852                                | $D_8 \times 2 : 2$     | 32    | 935550  | 9983, 10180, 9674, 9690, 10152, 10067, 10031  | 6472 (2), 6500, 6533, 6705 (2), 6835, 6897 (2), 6943 (2)   |
| 8853                                | $4^2 : 2$              | 32    | 467775  | 9984, 10193, 9687 (2), 10152 (2), 10062       | 6473 (2), 6533 (2), 6669 (2), 6670 (2), 6704 (2), 6716, 6908 (2), 6954 (2), 6955 (2), 7096 (2)                           |
| 8854                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 10091, 9963, 10233 (2), 10120 (2), 9961       | 6475, 6824, 6825, 6828, 6830, 6833, 6834   |
| 8855                                | $D_8 \times 2 : 2$     | 32    | 935550  | 10163 (2), 10204 (2), 10171, 10170, 10091     | 6478, 6725, 6803, 6809 (2), 6812 (2), 6883 (2), 6884 (2)   |
| 8856                                | $2^3 \cdot 2 \times 2$ | 32    | 467775  | 10089 (2), 10203 (2), 10085, 10171 (2)        | 6478, 6557, 6723 (2), 6725, 6810 (2), 6813 (2), 6850 (2), 6859, 6860, 6863, 6864, 6879 (2), 6880 (2), 6886 (2), 6887 (2) |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8857                                | $D_8 \times 2^2$          | 32    | 467775  | 10132, 10134 (4),<br>10205 (2), 9944 (4),<br>10206, 10170 (2),<br>10085                                 | 6478, 6556, 6803,<br>6811 (2), 6814 (2),<br>6851 (2), 6852 (2),<br>6861, 6862, 6865,<br>6866, 6881 (2), 6882<br>(2), 6885 (2), 6888<br>(2) |
| 8858                                | $2 \times 4 : 2 \times 2$ | 32    | 935550  | 10089, 10085, 10204<br>(2), 10059 (2), 10090  | 6479, 6555, 6723,<br>6724, 6725, 6836,<br>6851, 6867, 6869,<br>6871, 6873, 6890,<br>6891, 6893, 6894                                       |
| 8859                                | $2 \times 4 : 2 \times 2$ | 32    | 935550  | 10032, 10204 (2),<br>9673 (2), 10206,<br>10085  | 6479, 6554, 6803,<br>6836, 6837, 6850,<br>6852, 6868, 6870,<br>6872, 6874, 6889,<br>6892, 6895, 6896                                       |
| 8860                                | $D_8 \times 2^2$          | 32    | 1871100 | 10160, 10172, 10173,<br>10208 (2), 10209 (2),<br>10212, 10181 (2),<br>10201, 10161, 10147<br>(2), 10091 | 6480, 6804, 6805,<br>6845, 6846, 6883,<br>6884   |
| 8861                                | $D_8 \times 2^2$          | 32    | 935550  | 10126, 10172 (2),<br>10085, 10208 (4),<br>10201 (2), 10210 (2),<br>10061 (2), 10157                     | 6480, 6559, 6805,<br>6847, 6848, 6872,<br>6873, 6875, 6876,<br>6885, 6886, 6894,<br>6895, 6898, 6899                                       |
| 8862                                | $D_8 \times 2^2$          | 32    | 935550  | 10151, 10209 (4),<br>10201 (2), 9674 (2),<br>10211 (2), 10113,<br>10085, 10173 (2)                      | 6480, 6560, 6804,<br>6847, 6849, 6871,<br>6874, 6877, 6878,<br>6887, 6888, 6893,<br>6896, 6897, 6900                                       |
| 8863                                | $2^3 \times 4$            | 32    | 467775  | 10085, 10180 (4),<br>10157 (2), 10131 (4),<br>10212 (4)   | 6481, 6558, 6805,<br>6839 (2), 6840 (2),<br>6843, 6844, 6856 (2),<br>6857 (2), 6860, 6861,<br>6889 (2), 6890 (2),<br>6897 (2), 6898 (2)    |
| 8864                                | $D_8 \times 2 \cdot 2$    | 32    | 1871100 | 10171, 9963, 9961   | 6482, 6817, 6818,<br>6819, 6820, 6825,<br>6826   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8865                                | $2^{1+4}$            | 32    | 935550  | 10229 (2), 9946 (4),<br>10235 (4), 10241 (2),<br>10170, 9961 (2)  | 6482, 6671 (2), 6673<br>(2), 6815 (2), 6816<br>(2), 6824, 6827 |
| 8866                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 10170, 9963 (2)   | 6482, 6672 (2), 6674<br>(2), 6680, 6821 (2),<br>6822 (2), 6824 |
| 8867                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 10172, 10214, 10173,<br>10159, 10171, 10158,<br>10215   | 6483, 6846, 6847,<br>6883, 6884, 6886,<br>6887                 |
| 8868                                | $4^2 : 2$            | 32    | 935550  | 10172 (2), 10218,<br>10170, 10156 (2),<br>10216   | 6483, 6671 (2), 6674<br>(2), 6845, 6848, 6884<br>(2), 6885 (2) |
| 8869                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 10173 (2), 10217 (2),<br>10170, 10213, 10162  | 6483, 6672 (2), 6673<br>(2), 6845, 6849, 6883<br>(2), 6888 (2) |
| 8870                                | $Q_8 : 2^2$          | 32    | 935550  | 10078, 9948 (2),<br>9975, 9661 (2), 9648  | 6485, 6756 (2), 6904<br>(2), 6905 (2), 6907,<br>6909, 6911 (2) |
| 8871                                | $Q_8 : 4$            | 32    | 935550  | 10193, 9648, 9975   | 6485, 6757, 6903 (2),<br>6906 (2), 6908, 6911<br>(2), 6912 (2) |
| 8872                                | $2^2 \times 4 : 2$   | 32    | 3742200 | 10219, 10142, 10174,<br>9820, 9819, 10220,<br>10175   | 6487, 7041, 7042   |
| 8873                                | $D_8 \times 2 : 2$   | 32    | 3742200 | 9816, 10174, 10141,<br>10222, 9821, 10221,<br>10175   | 6487, 7043, 7044   |
| 8874                                | $D_8 \times 2^2$     | 32    | 3742200 | 9753, 10176, 9891,<br>9917, 10057, 10181,<br>9981, 9921, 10179,<br>10060, 9918, 9890,<br>9907, 9758, 9980 | 6495, 6497, 6498   |
| 8875                                | $D_8 \times 2^2$     | 32    | 1871100 | 10056 (2), 10176,<br>10189, 9889 (2),<br>10182, 10191, 10143,<br>9758 (2), 10184 (2),<br>9819, 9820       | 6496, 6497 (2), 7042<br>(2)                                    |
| 8876                                | $D_8 \times 2^2$     | 32    | 1871100 | 9755 (2), 10176,<br>9888 (2), 10183 (2),<br>10145, 10060 (2),<br>9816, 10188, 9821,<br>10190, 10182       | 6496, 6498 (2), 7043<br>(2)                                    |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups   | Minimal Overgroups                                       |
| 8877                                | $2 \times 4 : 2 : 2$   | 32    | 935550  | 9669, 10185, 10180, 9985, 10061, 10077, 9682  | 6499 (2), 6500, 6537, 6709 (2), 6719, 6898 (2), 6942 (2) |
| 8878                                | $D_8 \times 4$         | 32    | 935550  | 9672, 10059, 9685, 10193, 9796, 10180, 10185  | 6502 (2), 6504, 6531 (2), 6533, 6719, 6890 (2), 6953 (2) |
| 8879                                | $D_8 \times 4$         | 32    | 935550  | 10058, 9673, 9691, 10033, 9794, 10180, 10192  | 6503 (2), 6504, 6534 (2), 6537, 6835, 6889 (2), 6941 (2) |
| 8880                                | $2 \times 4 : 2 : 2$   | 32    | 935550  | 10153, 9693, 10061, 10192, 9673, 9983, 10034  | 6510, 6513 (2), 6535 (2), 6537, 6835, 6895 (2), 6943 (2) |
| 8881                                | $2 \times 4 : 2 : 2$   | 32    | 935550  | 10153, 9984, 9674, 10076, 10059, 9688, 10154  | 6510, 6512 (2), 6532 (2), 6533, 6718, 6893 (2), 6954 (2) |
| 8882                                | $2 \times 4 : 2 : 2$   | 32    | 935550  | 9983, 10185, 9686, 9687, 10033, 10071, 10154  | 6530 (2), 6533, 6536 (2), 6537, 6743 (2), 6788, 6943 (2) |
| 8883                                | $2^{1+4}$              | 32    | 935550  | 10062, 10010 (2), 9647, 10088 (2), 10228 (2), 10231 (2), 9868 (2), 9930 (2), 9975   | 6539, 6729 (2), 6901 (2), 6908, 6909, 6911 (2), 6913 (2) |
| 8884                                | $2^{1+4}$              | 32    | 1871100 | 10134 (2), 10135 (2), 10114 (2), 9823 (2), 10136, 10242 (2), 10013, 9930 (2), 10195 | 6540 (2), 6729, 6811 (2)                                 |
| 8885                                | $Q_8 : 2^2$            | 32    | 1871100 | 9824, 10148 (2), 10009, 10195, 9659 (2)   | 6540 (2), 6726, 7107 (2)                                 |
| 8886                                | $D_8 \times 2 \cdot 2$ | 32    | 1871100 | 10109, 10098, 10088   | 6541 (2), 6752, 7106 (2)                                 |
| 8887                                | $2^{1+4}$              | 32    | 1871100 | 9925 (2), 9656 (2), 10054 (2), 10226 (2), 10108, 9874 (2), 10099, 9988 (2), 10088   | 6541 (2), 6749, 6913 (2)                                 |
| 8888                                | $8 : 2 : 2$            | 32    | 3742200 | 10196, 10012, 10198   | 6542, 6543, 6755   |
| 8889                                | $D_8 : 2^2$            | 32    | 3742200 | 10197, 10227 (2), 10012, 10199, 10240 (2)   | 6542, 6543, 6754   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 8890                                | $2^{1+4}$            | 32    | 1871100 | 9925 (2), 9655 (2), 10053 (2), 10122 (2), 10196, 10054 (2), 10199, 9992 (2), 10010       | 6542 (2), 6753, 6913 (2)   |
| 8891                                | $D_8 : 2^2$          | 32    | 1871100 | 10197, 10027 (2), 10198, 10010, 9948 (2)   | 6542 (2), 6756, 6965 (2)   |
| 8892                                | $2^{1+4}$            | 32    | 1871100 | 9926 (2), 10236 (2), 10117 (2), 9946 (2), 10196, 10243 (2), 10199, 9927 (2), 10195       | 6543 (2), 6753, 6815 (2)   |
| 8893                                | $Q_8 : 2^2$          | 32    | 1871100 | 10197, 10155 (2), 10198, 10195, 9661 (2)   | 6543 (2), 6756, 6963 (2)   |
| 8894                                | $D_8 \times 2^2$     | 32    | 1871100 | 10160, 10111 (2), 10200 (2), 9859, 10211, 9844, 9912 (2), 10208 (2), 10058, 10201, 10093 | 6545, 6559, 6804, 6941, 6944, 6948, 6957   |
| 8895                                | $D_8 \times 2^2$     | 32    | 1871100 | 9841, 10200 (2), 10112 (2), 10210, 9681, 10212, 9911 (2), 10209 (2), 9672, 10201, 10093  | 6545, 6560, 6805, 6948, 6949, 6950, 6953   |
| 8896                                | $2 \times 4 : 2 : 2$ | 32    | 1871100 | 10178, 10107, 10100, 10202, 9933, 9943, 10092  | 6552, 6916, 6918, 6919, 6920, 6932, 6934   |
| 8897                                | $2^4 \cdot 2$        | 32    | 467775  | 10165, 10107 (4), 9901, 10166  | 6552, 6553 (2), 6917 (4), 6930 (2), 6931 (2), 6933, 6935, 6936 (2), 6937 (2), 6938 (2) |
| 8898                                | $2^4 : 2$            | 32    | 1871100 | 10163, 10093, 10204, 10205, 9686, 9673, 10031  | 6554, 6555, 6803, 6941, 6943, 6948, 6949   |
| 8899                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 9669 (2), 10204 (2), 9663, 10203, 10093  | 6554 (2), 6725, 6942, 6944 (2), 6950, 7088 (2), 7105 (2)                               |
| 8900                                | $2^4 : 2$            | 32    | 935550  | 10163 (2), 10093, 10203, 10062, 10059 (2)  | 6555 (2), 6725, 6953 (2), 6954, 6957, 7087 (2), 7104 (2)                               |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8901                                | $D_8 \times 2^2$              | 32    | 1871100 | 10132, 10110, 9903, 10136 (2), 10169 (2), 10207, 10228 (2), 9944, 9825, 10134 (2), 10092    | 6556, 6729, 6811, 6932, 6934, 6939, 6940   |
| 8902                                | $D_8 \times 2^2$              | 32    | 1871100 | 10081, 10186 (2), 10209 (2), 10208 (2), 10187 (2), 10200 (2), 10131, 10181 (2), 10092       | 6558, 6804, 6805, 6924, 6925, 6928, 6929   |
| 8903                                | $D_8 \times 2^2$              | 32    | 1871100 | 10160, 10208 (2), 10093, 10186 (2), 10161, 10137 (2), 10210, 10200 (2), 10071, 10180, 10061 | 6558, 6559, 6805, 6941, 6942, 6943, 6953   |
| 8904                                | $D_8 \times 2^2$              | 32    | 1871100 | 10153, 10187 (2), 10161, 10209 (2), 9674, 10200 (2), 10212, 10103 (2), 9687, 10211, 10093   | 6558, 6560, 6804, 6943, 6944, 6949, 6954   |
| 8905                                | $D_8 \times 2^2$              | 32    | 935550  | 10151, 10200 (4), 10211 (2), 10210 (2), 9901, 9687 (2), 10157, 10071 (2)                    | 6558, 6559, 6560, 6742, 6743 (2), 6936, 6937, 6938, 6945, 6946, 6947, 6952, 6955, 6956                                   |
| 8906                                | $2 \times 4 \cdot 2 \times 2$ | 32    | 467775  | 10089 (2), 10024 (4), 10090   | 6561 (2), 6573, 6723 (2), 6724, 6910 (2), 6921, 6960 (2), 6999, 7000 (2), 7005, 7010 (2), 7012, 7014, 7049 (2), 7051 (2) |
| 8907                                | $2^2 \times 4 \cdot 2$        | 32    | 935550  | 10032, 10206, 10090   | 6561, 6562, 6563, 6836, 6837, 6851, 6922, 6989, 6992, 6997, 6998, 7001, 7003, 7009, 7015                                 |
| 8908                                | $2^2 \times 4 \cdot 2$        | 32    | 935550  | 10089, 10206, 10032   | 6561, 6563, 6574, 6836, 6850, 6852, 6923, 6990, 6991, 6994, 6996, 7006, 7008, 7011, 7013                                 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 8909                                | $2^2 \times 4 \cdot 2$ | 32    | 935550  | 10032, 9924, 10157                              | 6564, 6566, 6584, 6742, 6744 (2), 6843, 6870, 6875, 6973, 6975, 6981, 6986, 6989, 6990                                   |
| 8910                                | $2^2 \times 4 \cdot 2$ | 32    | 935550  | 10090, 10166, 10157                             | 6564, 6565, 6583, 6844, 6869, 6873, 6937, 6968, 6970, 6978, 6979, 6997, 7000, 7001, 7002                                 |
| 8911                                | $2^2 \times 4 \cdot 2$ | 32    | 467775  | 10090, 10129 (4), 10165, 10113                  | 6565 (2), 6585, 6842, 6871 (2), 6915 (2), 6935, 6966, 6972 (2), 6976, 7003 (2), 7004, 7005, 7022 (2), 7056 (2), 7057 (2) |
| 8912                                | $2^2 \times 4 \cdot 2$ | 32    | 935550  | 10032, 10113, 10166                             | 6565, 6566, 6586, 6841, 6874, 6877, 6931, 6969, 6971, 6974, 6979, 6980, 6987, 6991, 6992                                 |
| 8913                                | $2^4 : 2$              | 32    | 1871100 | 10076, 10160, 10078, 10201, 10059, 10159, 10215 | 6567, 6570, 6846, 6893, 6894, 6953, 6957   |
| 8914                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 10033, 10210, 9692, 10211, 9686, 10214, 10159   | 6567, 6568, 6743, 6847, 6941, 6949, 6951   |
| 8915                                | $D_8 \times 2 : 2$     | 32    | 935550  | 10076 (2), 10211 (2), 10062, 10213, 10162       | 6567 (2), 6849, 6954, 6956 (2), 6957, 7101 (2), 7103 (2)   |
| 8916                                | $D_8 \times 2 : 2$     | 32    | 935550  | 10078, 10210 (2), 10062, 10156 (2), 10193       | 6567 (2), 6748, 6848, 6911 (2), 6953 (2), 6955, 7099 (2)   |
| 8917                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 9692, 10213, 10031, 10201, 9690, 10212, 10156   | 6567, 6571, 6845, 6897, 6899, 6948, 6949   |
| 8918                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 10034, 10215, 9686, 10211, 9690, 10210, 10158   | 6567, 6568, 6847, 6943, 6946, 6948, 6952   |
| 8919                                | $D_8 \times 4$         | 32    | 1871100 | 10076, 10214, 10059, 10161, 10193, 10212, 10158 | 6567, 6569, 6846, 6890, 6891, 6953, 6954   |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 8920                                | $D_8 \times 2 : 2$        | 32    | 935550  | 9947, 10217 (2),<br>9666, 9663, 10211<br>(2)  | 6568 (2), 6667 (2),<br>6740, 6849, 6944 (2),<br>6947, 7089 (2)  |
| 8921                                | $2 \times 4 : 2 : 2$      | 32    | 1871100 | 10034, 10217, 9673,<br>10201, 9692, 10160,<br>10216   | 6568, 6570, 6845,<br>6895, 6896, 6941,<br>6948  |
| 8922                                | $D_8 \times 4$            | 32    | 1871100 | 9690, 10217, 9673,<br>10161, 10033, 10212,<br>10218   | 6568, 6569, 6845,<br>6889, 6892, 6943,<br>6949  |
| 8923                                | $D_8 \times 2 : 2$        | 32    | 1871100 | 9666, 10201, 9669,<br>10215, 9682, 10214,<br>10212  | 6568, 6571, 6846,<br>6898, 6900, 6944,<br>6950  |
| 8924                                | $D_8 \times 2 : 2$        | 32    | 935550  | 9682 (2), 10210 (2),<br>9663, 10216, 10218  | 6568 (2), 6848, 6942,<br>6945 (2), 6950, 7100<br>(2), 7102 (2)  |
| 8925                                | $2 \times 4^2$            | 32    | 467775  | 10193 (2), 10218 (2),<br>10090, 10157 (2)   | 6569 (2), 6598, 6848,<br>6890 (2), 6912 (2),<br>6955, 6962 (2), 6966,<br>6968 (2), 6986, 6998<br>(2), 7002, 7012, 7062<br>(2), 7063 (2) |
| 8926                                | $2^2 \times 4 \cdot 2$    | 32    | 935550  | 9690 (2), 10113,<br>10032, 10214 (2),<br>10157  | 6569, 6571, 6599,<br>6847, 6892, 6897,<br>6952, 6967, 6969,<br>6975, 6977, 6979,<br>6987, 7003, 7006                                    |
| 8927                                | $2 \times 4 : 2 \times 2$ | 32    | 935550  | 10076 (2), 10217 (2),<br>10090, 10113, 10151  | 6569, 6570, 6600,<br>6849, 6891, 6893,<br>6956, 6970, 6972,<br>6979, 6985, 6992,<br>7004, 7009, 7010                                    |
| 8928                                | $2^3 \cdot 2 \times 2$    | 32    | 935550  | 10032, 10215 (2),<br>9692 (2), 10113,<br>10126  | 6570, 6571, 6601,<br>6847, 6896, 6899,<br>6951, 6973, 6974,<br>6976, 6977, 6980,<br>6984, 7008, 7009                                    |
| 8929                                | $D_8 : 2^2$               | 32    | 1871100 | 10110, 10030, 10013<br>(2), 10207, 10133,<br>10242 (2), 9944,<br>9937, 10135 (2),<br>10231 (2), 10087 | 6572, 6729, 6811,<br>7017, 7019, 7027,<br>7029  |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8930                                | $D_8 : 2^2$            | 32    | 1871100 | 9903, 10242 (2), 9639 (2), 10133, 10206, 10030, 9825, 10135 (2), 10230 (2), 10115, 9937 | 6572, 6711, 6811, 7018, 7020, 7028, 7030   |
| 8931                                | $D_8 : 2^2$            | 32    | 935550  | 10110 (2), 10030 (2), 10242 (4), 10207, 10029, 10232 (2), 10010 (2), 9957               | 6572, 6729 (2), 6961 (2), 6965 (2), 7021 (2), 7024, 7025                                 |
| 8932                                | $D_8 : 2^2$            | 32    | 935550  | 10207, 10135 (4), 10115 (2), 9944 (2), 10232 (2), 10133, 10195 (2), 9866                | 6572, 6811 (2), 6959 (2), 6963 (2), 7023 (2), 7031, 7032                                 |
| 8933                                | $2^3 \cdot 2 : 2$      | 32    | 1871100 | 10176 (2), 10174 (2), 10020, 10207, 10024   | 6573, 6959, 6961, 7042, 7043, 7048, 7050   |
| 8934                                | $2^4 \cdot 2$          | 32    | 935550  | 10132, 10174 (4), 10206, 10089  | 6573, 6574, 6575, 6850, 6851, 6852, 6922, 7033, 7034, 7036, 7037, 7038, 7039, 7041, 7044 |
| 8935                                | $2^2 \times 4 \cdot 2$ | 32    | 935550  | 10166, 10157, 10089   | 6576, 6577, 6584, 6860, 6869, 6876, 6936, 6968, 6971, 6982, 6987, 6996, 7000, 7038, 7040 |
| 8936                                | $2^2 \times 4 \cdot 2$ | 32    | 935550  | 10165, 10113, 10089   | 6576, 6578, 6586, 6859, 6871, 6878, 6931, 6967, 6972, 6977, 6988, 7008, 7010, 7035, 7036 |
| 8937                                | $2^3 \cdot 2 \times 2$ | 32    | 467775  | 10166, 10144 (4), 10113, 10132  | 6576 (2), 6587, 6862, 6877 (2), 6935, 6940 (4), 6969 (2), 6970 (2), 6984 (2), 7037 (2)   |
| 8938                                | $2^2 \times 4 \cdot 2$ | 32    | 935550  | 10165, 10206, 10157   | 6577, 6578, 6583, 6861, 6870, 6872, 6938, 6994, 6995, 6998, 7003, 7007, 7011, 7034, 7036 |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups   |
| 8939                                | $2 \times 4 \cdot 2 \times 2$ | 32    | 467775  | 10166, 10223 (2),<br>10206, 10130, 10142<br>(2)       | 6577 (2), 6582, 6862,<br>6868 (2), 6933, 6991<br>(2), 6993 (2), 6997<br>(2), 7028 (4), 7041<br>(2)   |
| 8940                                | $2^2 \times 4 : 2$            | 32    | 467775  | 9904, 10102 (4),<br>10113, 10206                      | 6578 (2), 6585, 6739<br>(2), 6741, 6862, 6874<br>(2), 7006 (2), 7009<br>(2), 7020 (4), 7033<br>(2)   |
| 8941                                | $2 \times 4 : 2 : 2$          | 32    | 3742200 | 10182, 10219, 10221,<br>10202, 10220, 10222,<br>10176 | 6579, 7042, 7043   |
| 8942                                | $2^2 \times 4 : 2$            | 32    | 935550  | 10126, 10220 (4),<br>10166, 10089                     | 6579, 6580, 6586,<br>6864, 6873, 6876,<br>6930, 6978, 6980,<br>6982, 6984, 7013,<br>7014, 7040, 7041 |
| 8943                                | $D_8 \times 2^2$              | 32    | 467775  | 10126, 10146 (4),<br>10221 (8), 9924,<br>10132        | 6579 (2), 6587, 6746,<br>6747 (2), 6866, 6875<br>(2), 6939 (4), 6973<br>(2), 6981 (2), 7044<br>(2)   |
| 8944                                | $2^2 \times 4 : 2$            | 32    | 935550  | 10151, 10238 (4),<br>10206, 10166                     | 6580, 6581, 6583,<br>6865, 6868, 6874,<br>6938, 6992, 6993,<br>6996, 7001, 7013,<br>7016, 7037, 7038 |
| 8945                                | $2^2 \times 4 : 2$            | 32    | 467775  | 10126, 10138 (4),<br>10206, 10165                     | 6580 (2), 6585, 6866,<br>6872 (2), 6933, 7007<br>(2), 7008 (2), 7015<br>(2), 7018 (4), 7039<br>(2)   |
| 8946                                | $2^2 \times 4 : 2$            | 32    | 467775  | 10124, 10101 (2),<br>9924, 10141 (2),<br>10206        | 6581 (2), 6582, 6738<br>(2), 6741, 6866, 6870<br>(2), 6989 (2), 6990<br>(2), 7030 (4), 7044<br>(2)   |
| 8947                                | $D_8 \times 4$                | 32    | 935550  | 10080, 10142, 10101,<br>10049, 10143, 10202,<br>10207 | 6582, 6932 (2), 7024,<br>7027 (2), 7031, 7042<br>(2), 7053 (2)                                       |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups                               | Minimal Overgroups                                       |
| 8948                                | $D_8 \times 4$           | 32    | 935550  | 10048, 10223, 10141, 10224, 10145, 10202, 10207 | 6582, 6934 (2), 7025, 7029 (2), 7032, 7043 (2), 7054 (2) |
| 8949                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 10079, 10138, 10102, 10129, 10178, 10147, 10207 | 6585, 6932, 6934, 7017, 7019, 7021, 7023                 |
| 8950                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 9922, 10147, 9905, 10202, 10132, 10146, 10144   | 6587, 6731, 6882, 6932, 6934, 6939, 6940                 |
| 8951                                | $2^2 \times 4 : 2$       | 32    | 1871100 | 10077, 10201, 10180, 10214, 10067, 10156, 10163 | 6588, 6595, 6884, 6897, 6898, 6941, 6953                 |
| 8952                                | $4^2 : 2$                | 32    | 1871100 | 9693, 10218, 9687, 10210, 10152, 10205, 10156   | 6588, 6594, 6885, 6943, 6945, 6949, 6955                 |
| 8953                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 10077, 10210, 10185, 10203, 10071, 10159, 10158 | 6588, 6593, 6743, 6886, 6942, 6946, 6953                 |
| 8954                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 9693, 10204, 9688, 10201, 10153, 10217, 10159   | 6588, 6596, 6883, 6893, 6895, 6944, 6949                 |
| 8955                                | $D_8 \times 4$           | 32    | 1871100 | 10180, 10218, 10185, 10204, 10192, 10158, 10161 | 6588, 6597, 6884, 6889, 6890, 6942, 6943                 |
| 8956                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 9687, 10203, 9688, 10214, 10154, 10211, 10158   | 6588, 6594, 6743, 6887, 6944, 6952, 6954                 |
| 8957                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 10071, 10205, 10067, 10217, 10192, 10211, 10162 | 6588, 6593, 6888, 6941, 6943, 6947, 6956                 |
| 8958                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 10065, 10216, 9859, 10205, 9691, 10210, 10156   | 6589, 6593, 6748, 6885, 6941, 6945, 6948                 |
| 8959                                | $2^3 \cdot 2 : 2$        | 32    | 1871100 | 9684, 10203, 9681, 10215, 9685, 10214, 10210    | 6589, 6594, 6886, 6950, 6951, 6952, 6953                 |
| 8960                                | $2^3 \cdot 2 : 2$        | 32    | 1871100 | 10065, 10215, 9689, 10213, 9844, 10201, 10163   | 6589, 6595, 6883, 6899, 6900, 6948, 6957                 |
| 8961                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 9684, 10215, 9680, 10216, 9841, 10204, 10201    | 6589, 6596, 6884, 6894, 6896, 6948, 6950                 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups   |
| 8962                                | $2^3 \cdot 2 : 2$      | 32    | 1871100 | 9859, 10203, 9689,<br>10215, 10074, 10211,<br>10159   | 6589, 6593, 6887,<br>6944, 6946, 6951,<br>6957   |
| 8963                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 9681, 10213, 9680,<br>10205, 10069, 10217,<br>10211   | 6589, 6594, 6740,<br>6888, 6948, 6949,<br>6956   |
| 8964                                | $D_8 \times 4$         | 32    | 1871100 | 9844, 10214, 9691,<br>10204, 10074, 10217,<br>10161   | 6589, 6597, 6883,<br>6891, 6892, 6941,<br>6944   |
| 8965                                | $2^3 \cdot 2 : 2$      | 32    | 1871100 | 10061, 10212, 10185,<br>10215, 10067, 10163,<br>10156 | 6590, 6593, 6884,<br>6898, 6899, 6943,<br>6953   |
| 8966                                | $2^2 \times 4 : 2$     | 32    | 1871100 | 9674, 10214, 9688,<br>10212, 10152, 10213,<br>10163   | 6590, 6594, 6883,<br>6897, 6900, 6949,<br>6954   |
| 8967                                | $2^2 \times 4 : 2$     | 32    | 935550  | 9688 (2), 10215 (2),<br>10151, 10113, 10089           | 6590, 6596, 6601,<br>6887, 6893, 6900,<br>6952, 6971, 6972,<br>6980, 6983, 7006,<br>7010, 7035, 7037 |
| 8968                                | $2^4 \cdot 2$          | 32    | 935550  | 10067 (2), 10213 (2),<br>10157, 10113, 10132          | 6590, 6595, 6603,<br>6888, 6897, 6899,<br>6956, 6966, 6967,<br>6969, 6970, 6971,<br>6973, 7033, 7036 |
| 8969                                | $D_8 \times 4$         | 32    | 1871100 | 10058, 10204, 9689,<br>10217, 9691, 10212,<br>10158   | 6591, 6593, 6883,<br>6889, 6891, 6944,<br>6948   |
| 8970                                | $D_8 \times 4$         | 32    | 1871100 | 9672, 10214, 9680,<br>10204, 9685, 10218,<br>10212    | 6591, 6594, 6884,<br>6890, 6892, 6949,<br>6950   |
| 8971                                | $2^2 \times 4 \cdot 2$ | 32    | 935550  | 9689 (2), 10214 (2),<br>10130, 10113, 10089           | 6591, 6595, 6599,<br>6887, 6891, 6900,<br>6951, 6984, 6985,<br>6987, 6988, 6991,<br>7005, 7033, 7035 |
| 8972                                | $2^2 \times 4 : 2$     | 32    | 935550  | 9680 (2), 10217 (2),<br>10124, 10206, 10113           | 6591, 6596, 6600,<br>6738, 6739, 6740,<br>6888, 6892, 6896,<br>6991, 6992, 7003,<br>7008, 7036, 7037 |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 8973                                | $2 \times 4^2$                | 32    | 935550  | 9691 (2), 10218 (2),<br>10130, 10206, 10157   | 6591, 6597, 6598,<br>6885, 6889, 6892,<br>6945, 6989, 6993,<br>6994, 6995, 6996,<br>6997, 7033, 7039 |
| 8974                                | $2 \times 4 : 2 : 2$          | 32    | 1871100 | 10061, 10204, 10077,<br>10216, 10192, 10160,<br>10159                               | 6592, 6593, 6884,<br>6894, 6895, 6941,<br>6942   |
| 8975                                | $2^3 \cdot 2 : 2$             | 32    | 1871100 | 9674, 10215, 9693,<br>10204, 10154, 10217,<br>10160                                 | 6592, 6594, 6883,<br>6893, 6896, 6943,<br>6944   |
| 8976                                | $2 \times 4 : 2 \times 2$     | 32    | 935550  | 10077 (2), 10215 (2),<br>10157, 10126, 10089  | 6592, 6595, 6601,<br>6886, 6894, 6898,<br>6946, 6977, 6978,<br>6981, 6982, 7011,<br>7012, 7039, 7040 |
| 8977                                | $D_8 \times 2^2$              | 32    | 935550  | 9693 (2), 10244 (4),<br>10216 (2), 10151,<br>10175 (4), 10206,<br>10126             | 6592, 6596, 6602,<br>6885, 6895, 6896,<br>6945, 7007, 7009,<br>7011, 7013, 7015,<br>7016, 7041, 7044 |
| 8978                                | $2^4 \cdot 2$                 | 32    | 935550  | 10192 (2), 10217 (2),<br>10157, 10206, 10151  | 6592, 6597, 6600,<br>6888, 6889, 6895,<br>6947, 6990, 6993,<br>6998, 7001, 7006,<br>7007, 7034, 7038 |
| 8979                                | $D_8 \times 2^2$              | 32    | 1871100 | 10037 (2), 10197 (2),<br>10244 (4), 10023,<br>10028, 10175 (2),<br>10182 (2), 10207 | 6602, 6963, 6965,<br>7042, 7043, 7059,<br>7061   |
| 8980                                | $2 \times 8 : 2$              | 32    | 1871100 | 10207, 10025, 10021   | 6604, 6959, 6961,<br>7053, 7054, 7059,<br>7061   |
| 8981                                | $2 \times 4 \cdot 2 \times 2$ | 32    | 1871100 | 10016 (2), 10198 (2),<br>10022, 10026, 10207  | 6605, 6963, 6965,<br>7048, 7050, 7053,<br>7054   |
| 8982                                | $D_8 \times 2 : 2$            | 32    | 1871100 | 10079, 10137, 10100,<br>10224, 10178, 10146,<br>10110                               | 6606, 6746, 6918,<br>6919, 6934, 7019,<br>7021   |
| 8983                                | $2 \times 4 : 2 : 2$          | 32    | 1871100 | 9922, 10107, 9903,<br>10138, 10165, 10223,<br>10137                                 | 6606, 6795, 6917,<br>6933, 6934, 7018,<br>7022   |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups   | Minimal Overgroups                       |
| 8984                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 10080, 10107, 10103, 10129, 10178, 10144, 10110   | 6606, 6918, 6920, 6932, 6935, 7017, 7021 |
| 8985                                | $2^2 \times 4 : 2$       | 32    | 1871100 | 9933, 10223, 10102, 10131, 10178, 10144, 9944   | 6606, 6862, 6916, 6920, 6934, 7017, 7023 |
| 8986                                | $D_8 \times 4$           | 32    | 1871100 | 9825, 10129, 9905, 9943, 10165, 10224, 10131  | 6606, 6764, 6842, 6915, 6917, 6934, 7018 |
| 8987                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 10081, 10138, 10101, 9943, 10178, 10146, 9944   | 6606, 6866, 6916, 6919, 6932, 7019, 7023 |
| 8988                                | $D_8 : 2^2$              | 32    | 1871100 | 9988 (2), 10225 (2), 10236 (2), 9655 (2), 9933, 10164, 10079, 9939, 10080, 10125, 10087 | 6607, 6749, 6753, 6914, 6918, 7017, 7027 |
| 8989                                | $2^3 \cdot 2 \cdot 2$    | 32    | 1871100 | 10164, 10030, 10139, 10096, 10107, 10129, 10223   | 6607, 6917, 6920, 7017, 7022, 7025, 7028 |
| 8990                                | $D_8 \times 2 \cdot 2$   | 32    | 1871100 | 9939, 10104, 10115, 10105, 9943, 10138, 10223   | 6607, 6795, 6916, 7018, 7023, 7028, 7032 |
| 8991                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 9933, 10105, 10102, 9941, 10101, 10139, 10115   | 6607, 6771, 6916, 7020, 7023, 7030, 7031 |
| 8992                                | $D_8 \times 4$           | 32    | 1871100 | 10125, 10095, 10030, 10105, 10224, 10138, 10107   | 6607, 6793, 6917, 6919, 7018, 7021, 7029 |
| 8993                                | $2 \times 4 : 2 \cdot 2$ | 32    | 1871100 | 10087, 10083, 9941, 10082, 9943, 10129, 10224   | 6607, 6760, 6764, 6915, 6918, 7019, 7029 |
| 8994                                | $D_8 : 2^2$              | 32    | 1871100 | 9989 (2), 10235 (2), 9651 (2), 10226 (2), 10166, 9939, 9922, 10128, 9825, 10164, 10125  | 6608, 6749, 6827, 6914, 6917, 6940, 7028 |
| 8995                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 9939, 10104, 10105, 10084, 10202, 10146, 9944   | 6608, 6882, 6916, 6919, 6939, 7027, 7032 |
| 8996                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 10128, 10105, 10139, 9941, 10202, 10144, 9944   | 6608, 6882, 6916, 6920, 6940, 7029, 7031 |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 8997                                | $2^2 \times 4 : 2$       | 32    | 1871100 | 10166, 10096, 9905, 10094, 9903, 10105, 10139                          | 6608, 6734, 6771, 6917, 6940, 7026, 7028                 |
| 8998                                | $Q_8 \times 2 : 2$       | 32    | 1871100 | 10164, 10094, 10082, 10096, 10110, 10144, 10202                        | 6608, 6731, 6918, 6920, 6940, 7025, 7027                 |
| 8999                                | $2^3 \cdot 2 : 2$        | 32    | 1871100 | 10125, 10095, 10094, 10083, 10202, 10146, 10110                        | 6608, 6731, 6918, 6919, 6939, 7024, 7029                 |
| 9000                                | $D_8 : 2^2$              | 32    | 935550  | 9990 (2), 9656 (2), 10234 (4), 9933 (2), 10164, 10080, 10128 (2), 9866 | 6609, 6749 (2), 6914, 6920 (2), 7031, 7064 (2), 7067 (2) |
| 9001                                | $2^3 \cdot 2 : 2$        | 32    | 935550  | 10164, 10029, 10094 (2), 10107 (2), 10224                              | 6609, 6793, 6917 (2), 6918 (2), 7025, 7066 (2), 7069 (2) |
| 9002                                | $2^2 \times 4 : 2$       | 32    | 1871100 | 10128, 10094, 9937, 10105, 9943, 10223, 10107                          | 6609, 6795, 6916, 6917, 6920, 7028, 7029                 |
| 9003                                | $D_8 \times 4$           | 32    | 935550  | 9866, 10083, 10084 (2), 9943 (2), 10224                                | 6609, 6760, 6764 (2), 6919 (2), 7032, 7065 (2), 7070 (2) |
| 9004                                | $2^2 \times 4 : 2$       | 32    | 1871100 | 9991 (2), 10239 (2), 10081, 10087, 10128                               | 6610, 6829, 6831, 6832, 6924, 6926, 6929                 |
| 9005                                | $2^2 \times 4 \cdot 2$   | 32    | 1871100 | 10087, 10084, 10131  | 6610, 6838, 6839, 6840, 6924, 6927, 6928                 |
| 9006                                | $2^4 \cdot 2$            | 32    | 1871100 | 10081, 9676 (4), 10115, 10084  | 6610, 6853, 6854, 6855, 6925, 6926, 6928                 |
| 9007                                | $2^2 \times 4 \cdot 2$   | 32    | 1871100 | 10128, 10115, 10131  | 6610, 6856, 6857, 6858, 6925, 6927, 6929                 |
| 9008                                | $D_8 \times 4$           | 32    | 1871100 | 10125, 10140, 10082, 10105, 10207, 10146, 10144                        | 6611, 6939, 6940, 7021, 7023, 7027, 7029                 |
| 9009                                | $D_8 \times 2 \cdot 2$   | 32    | 1871100 | 9922, 10139, 9905, 10104, 10206, 10105, 10140                          | 6611, 6734, 6882, 7018, 7020, 7028, 7030                 |
| 9010                                | $2 \times 4 \cdot 2 : 2$ | 32    | 935550  | 10164, 10139 (2), 10050, 10207, 10144 (2)                              | 6611, 6940 (2), 7017 (2), 7025, 7031, 7048 (2), 7061 (2) |

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| Nr.                                 | Structure                | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 9011                                | $2 \times 4 : 2 : 2$     | 32    | 935550  | 10047, 10104 (2),<br>10083, 10207, 10146<br>(2)                                   | 6611, 6939 (2), 7019<br>(2), 7024, 7032, 7050<br>(2), 7059 (2) |
| 9012                                | $D_8 : 2^2$              | 32    | 935550  | 9992 (2), 10243 (4),<br>9654 (2), 10080,<br>10125 (2), 10079 (2),<br>10047, 9957  | 6612, 6753 (2), 6914,<br>7021 (2), 7024, 7072<br>(2), 7075 (2) |
| 9013                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 10125, 10133, 10139,<br>10140, 10223, 10129,<br>10138                             | 6612, 7017, 7018,<br>7022, 7023, 7028,<br>7029                 |
| 9014                                | $2 \times 4 : 2 : 2$     | 32    | 1871100 | 10079, 10104, 10102,<br>10082, 10101, 10140,<br>10133                             | 6612, 6775, 7019,<br>7020, 7023, 7027,<br>7030                 |
| 9015                                | $D_8 \times 2 \cdot 2$   | 32    | 935550  | 10047, 10104 (2),<br>10133, 10224, 10138<br>(2)                                   | 6612, 6793, 7018 (2),<br>7019 (2), 7032, 7074<br>(2), 7077 (2) |
| 9016                                | $2 \times 4 : 2 \cdot 2$ | 32    | 935550  | 10080, 10139 (2),<br>10102 (2), 10050,<br>10133                                   | 6612, 7017 (2), 7020<br>(2), 7026, 7031, 7076<br>(2), 7079 (2) |
| 9017                                | $Q_8 \times 4$           | 32    | 935550  | 9957, 10082 (2),<br>10050, 10224, 10129<br>(2)                                    | 6612, 6760, 6915 (2),<br>7021 (2), 7025, 7073<br>(2), 7078 (2) |
| 9018                                | $2^3 \cdot 2 : 2$        | 32    | 3742200 | 10188, 10219, 10174,<br>10223, 10220, 10175,<br>10190                             | 6613, 7041, 7043   |
| 9019                                | $D_8 \times 2 : 2$       | 32    | 1871100 | 10190 (2), 10221 (2),<br>10020, 10224, 10028                                      | 6613, 6747, 7043,<br>7065, 7069, 7073,<br>7077                 |
| 9020                                | $2 \times 4 \cdot 2 : 2$ | 32    | 1871100 | 10189 (2), 10220 (2),<br>10080, 10024, 10028                                      | 6613, 7014, 7042,<br>7067, 7071, 7075,<br>7079                 |
| 9021                                | $D_8 \times 2 : 2$       | 32    | 3742200 | 10191, 10222, 10174,<br>10101, 10221, 10175,<br>10189                             | 6613, 7042, 7044   |
| 9022                                | $D_8 \times 4$           | 32    | 1871100 | 10188 (2), 10024,<br>10224, 10222 (2),<br>10023                                   | 6613, 6999, 7043,<br>7066, 7070, 7074,<br>7078                 |
| 9023                                | $D_8 \times 2^2$         | 32    | 1871100 | 10191 (2), 9780 (4),<br>10219 (2), 10038 (2),<br>10020, 10080, 9830<br>(2), 10023 | 6613, 6785, 7042,<br>7064, 7068, 7072,<br>7076                 |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups                            | Minimal Overgroups   |
| 9024                                | $8 : 2 \times 2$       | 32    | 1871100 | 9993 (2), 9652 (2),<br>10080, 10021, 10022   | 6614, 7052, 7053,<br>7064, 7071, 7072,<br>7079                 |
| 9025                                | $4^2 \cdot 2$          | 32    | 1871100 | 10021, 10026, 10224                          | 6614, 6791, 7054,<br>7065, 7066, 7073,<br>7074                 |
| 9026                                | $2 \times 8 : 2$       | 32    | 1871100 | 10080, 10025, 10026                          | 6614, 7053, 7055,<br>7067, 7068, 7075,<br>7076                 |
| 9027                                | $2 \times 8 \cdot 2$   | 32    | 1871100 | 10022, 10025, 10224                          | 6614, 6758, 7054,<br>7069, 7070, 7077,<br>7078                 |
| 9028                                | $2 \times 4 : 2 : 2$   | 32    | 935550  | 9662 (2), 9663                               | 6624 (2), 6652, 7083<br>(2), 7084, 7088 (2),<br>7091, 7100 (2) |
| 9029                                | $Q_8 : 2^2$            | 32    | 1871100 | 9976, 10148 (2),<br>9647, 9643 (2), 9646     | 6625, 6726, 6901,<br>7081, 7082, 7092,<br>7093                 |
| 9030                                | $8 : 2 : 2$            | 32    | 1871100 | 9979, 9646, 9648                             | 6626, 6773, 6903,<br>6904, 7080, 7081,<br>7098                 |
| 9031                                | $D_8 \times 2 \cdot 2$ | 32    | 1871100 | 9666, 9662, 9667                             | 6627, 6639, 6654,<br>7045, 7083, 7084,<br>7085                 |
| 9032                                | $Q_8 : 2^2$            | 32    | 1871100 | 10078, 10155 (2),<br>9648, 9647, 10027 (2)   | 6631, 6665, 6756,<br>6776, 6911, 6964,<br>7099                 |
| 9033                                | $Q_8 : 2^2$            | 32    | 935550  | 9984, 10150 (2),<br>9647, 10019 (2),<br>9648 | 6634, 6669 (2), 6907,<br>6908, 6964 (2), 7080<br>(2), 7082 (2) |
| 9034                                | $2 \times 4 : 2 : 2$   | 32    | 935550  | 9985, 9663, 9666                             | 6636, 6659, 6664,<br>6735 (2), 7083 (2),<br>7085 (2), 7089 (2) |
| 9035                                | $Q_8 : 2^2$            | 32    | 1871100 | 9976, 9645 (2), 9649,<br>10018 (2), 9648     | 6640, 6730, 6903,<br>6905, 7081, 7082,<br>7090                 |
| 9036                                | $8 : 2 : 2$            | 32    | 935550  | 10062, 9646 (2)                              | 6651, 6901 (2), 7087<br>(2), 7096, 7097, 7098<br>(2), 7101 (2) |
| 9037                                | $Q_8 : 4$              | 32    | 1871100 | 10193, 9649, 9646                            | 6656, 6790, 6903,<br>6906, 7093, 7094,<br>7096                 |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 9038                                | $D_8 : 2^2$          | 32    | 1871100 | 10078, 10014 (2),<br>9649, 10011 (2), 9646   | 6656, 6904, 6905,<br>7058, 7092, 7095,<br>7097                 |
| 9039                                | $Q_8 : 4$            | 32    | 935550  | 10193, 9986, 9647  | 6657, 6757, 6908,<br>6962 (2), 7093 (2),<br>7094 (2), 7099 (2) |
| 9040                                | $D_8 : 2^2$          | 32    | 935550  | 10078, 10015 (2),<br>9986, 9647, 10149 (2)   | 6657, 6776 (2), 6907,<br>6909, 7092 (2), 7095<br>(2), 7099 (2) |
| 9041                                | $8 : 2 : 2$          | 32    | 935550  | 10062, 9648, 9986  | 6663, 6732 (2), 6908,<br>6909, 7090 (2), 7098<br>(2), 7099 (2) |
| 9042                                | $Q_8 : 4$            | 32    | 1871100 | 10193, 9648, 9647  | 6665, 6669, 6792,<br>6911, 6912, 6962,<br>7099                 |
| 9043                                | $Q_8 : 4$            | 32    | 3742200 | 10218, 9638, 10241   | 6671, 7063, 7102   |
| 9044                                | $D_8 : 2^2$          | 32    | 3742200 | 10216, 10227 (2),<br>9638, 10241, 10240<br>(2)   | 6671, 6754, 7102   |
| 9045                                | $D_8 \times 2 : 2$   | 32    | 3742200 | 10229, 10244 (2),<br>10168, 10238 (2),<br>10162  | 6673, 7016, 7103   |
| 9046                                | $2 \times 4 : 2 : 2$ | 32    | 3742200 | 10213, 10229, 10168  | 6673, 6737, 7103   |
| 9047                                | $D_8 \times 2^2$     | 32    | 3742200 | 9987, 10036, 10228,<br>9935, 9668, 10118,<br>10229, 10123, 10070,<br>9925, 9870, 10108,<br>9650, 9926, 10196   | 6676, 6815, 6913   |
| 9048                                | $2^{1+4}$            | 32    | 3742200 | 10228, 10232, 9868,<br>9823, 10169, 10116,<br>9664, 10242, 10205,<br>10013, 10230, 10135,<br>9639, 10114, 9867 | 6711, 6729, 6811   |
| 9049                                | $2^{1+4}$            | 32    | 1871100 | 10136 (2), 10231 (2),<br>10116, 10134, 9867<br>(2), 10232 (2), 10242<br>(2), 9823 (2), 10088                   | 6729 (2), 6811, 7106<br>(2)                                    |
| 9050                                | $2^{1+4}$            | 32    | 3742200 | 9668, 9874, 9989,<br>10127, 9987, 10225,<br>9651, 9655, 9741,<br>10054, 10051, 9656,<br>9868, 10234, 10121     | 6749, 6802, 6913   |

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| Nr.                                 | Structure   | Order | Length  | Maximal Subgroups   | Minimal Overgroups                                       |
| 9051                                | $2^{1+4}$   | 32    | 3742200 | 10108, 10225, 9655, 10226, 9925, 10234, 9873, 10120, 9926, 10127, 9874, 10235, 9990, 9927, 9930     | 6749, 6815, 6913   |
| 9052                                | $2^{1+4}$   | 32    | 3742200 | 9668, 9873, 9869, 10121, 9987, 10243, 10052, 9654, 9743, 10053, 10241, 9655, 10230, 10236, 10117    | 6753, 6802, 6815   |
| 9053                                | $2^{1+4}$   | 32    | 1871100 | 9668 (2), 10053 (2), 10052 (2), 10225 (2), 9979, 10054 (2), 9649, 9647, 10243 (2)                   | 6753, 6802, 6913, 7080, 7081, 7093, 7095                 |
| 9054                                | $2^{1+4}$   | 32    | 3742200 | 10196, 10243, 9654, 10122, 9925, 10225, 10053, 10017, 9926, 10121, 9873, 9946, 9988, 9960, 10231    | 6753, 6815, 6913   |
| 9055                                | $D_8 : 2^2$ | 32    | 3742200 | 10197, 10015, 10016, 10027, 10232, 10155, 10149   | 6776, 6963, 6965   |
| 9056                                | $D_8 : 2^2$ | 32    | 3742200 | 9989, 9872, 9651, 10119, 10241, 9784, 10230, 9658, 9650, 10236, 9742, 10234, 9870, 10243, 10225     | 6802, 6815, 6914   |
| 9057                                | $2^{1+4}$   | 32    | 935550  | 9663, 9651 (4), 10241 (2), 9667 (2), 10052 (4), 10051 (2)   | 6802 (2), 6827, 7084, 7085 (2), 7091, 7102 (2), 7105 (2) |
| 9058                                | $2^{1+4}$   | 32    | 3742200 | 10228, 10235, 9869, 10017, 10068, 10226, 9651, 10120, 10229, 9946, 9989, 10199, 10052, 10122, 10099 | 6815, 6827, 6913   |
| 9059                                | $D_8 : 2^2$ | 32    | 3742200 | 9958, 10226, 10036, 10231, 9935, 9655, 9658, 10234, 9872, 10243, 9784, 9988, 10123, 10199, 10235    | 6815, 6913, 6914   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 9060                                | $D_8 : 2^2$          | 32    | 1871100 | 9865, 10195, 9935 (2), 9654, 10119 (2), 10235 (2), 10036, 10236 (2), 9990, 10017, 9658 | 6815 (2), 6914, 7107 (2)   |
| 9061                                | $2^{1+4}$            | 32    | 935550  | 10229 (2), 10226 (4), 10122 (4), 9649 (2), 10062, 10051 (2)                            | 6827, 6913 (2), 7090 (2), 7096, 7097, 7103 (2), 7104 (2)           |
| 9062                                | $2^4 \cdot 2$        | 32    | 3742200 | 9958, 10194, 10118, 10239, 10119, 9991, 10233  | 6828, 6829, 6830   |
| 9063                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 10237, 10127 (2), 9991 (2), 10088, 10233   | 6828 (2), 6831, 7106 (2)   |
| 9064                                | $2 \times 4 : 2 : 2$ | 32    | 3742200 | 10237, 9960, 10117, 10194, 9991, 10239, 10120  | 6828, 6830, 6832   |
| 9065                                | $2^3 \cdot 2 : 2$    | 32    | 3742200 | 10203, 10051, 9665   | 6880, 7104, 7105   |
| 9066                                | $D_8 : 2^2$          | 32    | 3742200 | 10038, 9661, 9990, 9645, 9652, 10011, 9659   | 6905, 7064, 7107   |
| 9067                                | $Q_8 : 2^2$          | 32    | 1871100 | 10037, 10150, 10195, 9661, 10016, 9660, 10149  | 6907, 6963 (2), 7107 (2)   |
| 9068                                | $Q_8 : 2^2$          | 32    | 3742200 | 10037, 10155, 10198, 10150, 10232, 10027, 10019  | 6963, 6964, 6965   |
| 9069                                | $Q_8 : 2^2$          | 32    | 3742200 | 9830, 10148, 9654, 9949, 9652, 10018, 10150  | 7072, 7082, 7107   |
| 9070                                | $Q_8 : 2^2$          | 32    | 3742200 | 10038, 10148, 9654, 10014, 9993, 9644, 10149   | 7072, 7092, 7107   |
| 9071                                | $S_3 \times 5$       | 30    | 1995840 | 10245, 10408 (3), 10640  | 2497, 4934, 4950 (2), 5771, 7115, 7118, 7119                       |
| 9072                                | $S_3 \times 5$       | 30    | 997920  | 10246, 10408 (3), 10639  | 2498, 4933 (2), 5771 (2), 7114, 7116, 7117, 7120, 7121, 7122, 7123 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 9073                                | 15 : 2         | 30    | 1995840 | 10245, 10406, 10643<br>(5)     | 3277 (2), 5012, 5776,<br>7118, 7125, 7146  |
| 9074                                | 30             | 30    | 1995840 | 10245, 10407, 10642            | 3278 (2), 5013, 5775,<br>7119, 7125, 7147  |
| 9075                                | 15 : 2         | 30    | 665280  | 10245, 10405, 10647<br>(5)     | 3279 (6), 3837, 3847,<br>4972 (3), 4979 (2),<br>5770, 7115 (3), 7124<br>(3), 7125 (3), 7126,<br>7135, 7136, 7137 (3)                                   |
| 9076                                | 15 : 2         | 30    | 166320  | 10246, 10405, 10655<br>(5)     | 3839 (4), 3840, 4971<br>(4), 5770 (4), 7116<br>(6), 7128, 7129 (6),<br>7131, 7132, 7133 (6),<br>7134 (6), 7138 (3),<br>7139 (3), 7140 (3),<br>7141 (3) |
| 9077                                | $D_{30}$       | 30    | 166320  | 10246, 10410 (3),<br>10656 (5) | 4997 (4), 5773 (4),<br>7117 (6), 7131, 7144<br>(6), 7152 (3), 7158<br>(3)  |
| 9078                                | $D_{30}$       | 30    | 665280  | 10245, 10406 (3),<br>10657 (5) | 4998 (3), 5776, 7118<br>(3), 7136, 7147 (3)  |
| 9079                                | $S_3 \times 5$ | 30    | 665280  | 10245, 10407 (3),<br>10658     | 4999 (3), 5775, 7119<br>(3), 7136, 7146 (3)  |
| 9080                                | $S_3 \times 5$ | 30    | 166320  | 10246, 10411 (3),<br>10648     | 5000 (4), 5774 (4),<br>7120 (6), 7131, 7145<br>(6), 7154 (3), 7159<br>(3)  |
| 9081                                | $D_{30}$       | 30    | 997920  | 10246, 10409 (3),<br>10649 (5) | 5001 (2), 5772 (2),<br>7116, 7121, 7144,<br>7145, 7150, 7155,<br>7156  |
| 9082                                | 15 : 2         | 30    | 997920  | 10246, 10410, 10650<br>(5)     | 5002 (2), 5773 (2),<br>7117, 7122, 7134,<br>7145, 7151, 7156,<br>7157  |
| 9083                                | 30             | 30    | 997920  | 10246, 10411, 10654            | 5003 (2), 5774 (2),<br>7120, 7123, 7134,<br>7144, 7153, 7155,<br>7157  |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                 | Minimal Overgroups   |
| 9084                                | $D_{30}$       | 30    | 1995840 | 10245, 10409 (3),<br>10634 (5)    | 5005 (2), 5011, 5772,<br>7115, 7146, 7147  |
| 9085                                | 30             | 30    | 498960  | 10246, 10408, 10655               | 7114, 7138, 7148,<br>7150, 7151, 7152,<br>7153, 7154, 7160,<br>7161, 7162, 7164,<br>7165, 7167, 7168 |
| 9086                                | 15 : 2         | 30    | 498960  | 10246, 10409, 10644<br>(5)        | 7121 (2), 7138, 7157<br>(2), 7158, 7159, 7160<br>(2), 7163 (2), 7166<br>(2), 7169 (2)                |
| 9087                                | $D_{30}$       | 30    | 498960  | 10246, 10406 (3),<br>10652 (5)    | 7122 (2), 7140, 7152,<br>7155 (2), 7159, 7167<br>(2), 7169 (2)                                       |
| 9088                                | $S_3 \times 5$ | 30    | 498960  | 10246, 10407 (3),<br>10656        | 7123 (2), 7140, 7154,<br>7156 (2), 7158, 7168<br>(2), 7169 (2)                                       |
| 9089                                | $D_{28}$       | 28    | 2851200 | 10248, 10250, 10247,<br>10680 (7) | 1122 (2), 5779, 5783,<br>5793, 7173  |
| 9090                                | $2 \times 14$  | 28    | 475200  | 10249 (3), 10681                  | 3141 (2), 5787, 5790<br>(2), 5791, 7171 (3),<br>7174 (3), 7175                                       |
| 9091                                | $2 \times 14$  | 28    | 1425600 | 10249, 10248 (2),<br>10682        | 3142 (2), 5786 (2),<br>5788, 7171, 7173,<br>7177   |
| 9092                                | 28             | 28    | 1425600 | 10249, 10683                      | 3143 (2), 4431 (2),<br>5789, 7171, 7172,<br>7176   |
| 9093                                | $Q_{28}$       | 28    | 1425600 | 10249, 10672 (7)                  | 4429 (2), 5781, 7172,<br>7174, 7177  |
| 9094                                | $D_{28}$       | 28    | 1425600 | 10249, 10250, 10251,<br>10684 (7) | 4430 (2), 5780, 5785<br>(2), 7172, 7173, 7175  |
| 9095                                | $D_{28}$       | 28    | 1425600 | 10247 (2), 10249,<br>10685 (7)    | 5777, 5784 (2), 7173,<br>7174, 7176  |
| 9096                                | $D_{28}$       | 28    | 950400  | 10251, 10247, 10248,<br>10686 (7) | 5778, 5792 (3), 5794<br>(2), 5795, 7173 (3)  |
| 9097                                | $D_{28}$       | 28    | 1425600 | 10250 (2), 10249,<br>10687 (7)    | 5782, 7175, 7176,<br>7177  |
| 9098                                | $3^{1+2}$      | 27    | 985600  | 10418, 10412 (3)                  | 729 (3), 5796, 5798,<br>5799, 5802, 7180 (9)   |
| 9099                                | $3^{1+2}$      | 27    | 492800  | 10418, 10416 (3)                  | 730 (3), 5796, 5798<br>(2), 5801, 7179 (3),<br>7181 (9), 7182 (3)                                    |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                                       | Minimal Overgroups  |
| 9100                                | $3^3$        | 27    | 61600   | 10414 (3), 10418 (4),<br>10413 (6)                      | 5065 (9), 5796 (8),<br>5797 (4), 5800, 7186<br>(18), 7187 (18), 7188<br>(9), 7191 (3), 7196,<br>7197 (3), 7200 (6),<br>7203 (6), 7205 (3),<br>7206 (9), 7207 (3)              |
| 9101                                | $3^3$        | 27    | 184800  | 10414, 10417 (2),<br>10419 (4), 10415 (4),<br>10413 (2) | 5066 (3), 5800, 7189<br>(3), 7193 (2), 7194,<br>7195, 7198 (2), 7199,<br>7201 (2), 7202 (2),<br>7208 (6), 7209 (3),<br>7210 (3), 7211 (6),<br>7212 (3), 7213 (6),<br>7214 (6) |
| 9102                                | $3^{1+2}$    | 27    | 492800  | 10418, 10420 (3)  | 5797, 5798 (2), 5802,<br>7183 (3), 7221 (9),<br>7222 (3)  |
| 9103                                | $3^{1+2}$    | 27    | 246400  | 10418, 10421 (3)  | 5797, 5799 (2), 5801,<br>7190 (3), 7218 (9),<br>7219 (3), 7220 (9),<br>7223 (3), 7224 (3),<br>7225  |
| 9104                                | $3^3$        | 27    | 123200  | 10419 (6), 10418 (4),<br>10417 (3)                      | 5798 (8), 5799 (4),<br>5800, 7217 (3), 7226<br>(18), 7227 (6), 7241<br>(3), 7242 (9)  |
| 9105                                | $3^3$        | 27    | 246400  | 10413 (3), 10419 (6),<br>10422 (2), 10415,<br>10418     | 5800, 5801, 5802 (2),<br>7215 (9), 7228 (3),<br>7229 (3), 7233 (9),<br>7236, 7238 (3), 7240<br>(3)  |
| 9106                                | $3^{1+2}$    | 27    | 1478400 | 10422, 10421, 10416<br>(2)                              | 5801, 7192 (3), 7204,<br>7231 (3)   |
| 9107                                | $3^3$        | 27    | 184800  | 10415 (4), 10416 (8),<br>10421                          | 5801 (4), 7216, 7230<br>(12), 7234, 7237,<br>7239 (12)  |
| 9108                                | $3^{1+2}$    | 27    | 2956800 | 10422, 10420, 10412<br>(2)                              | 5802, 7185  |
| 9109                                | $3 \times 9$ | 27    | 1478400 | 10415, 10412 (2),<br>10420                              | 5802, 7184, 7232,<br>7235   |
| 9110                                | $5^2$        | 25    | 299376  | 10671 (2), 10670 (4)                                    | 7243 (2), 7244, 7245<br>(2), 7246, 7247, 7248<br>(4), 7249 (4)  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 9111                                | $D_{24}$         | 24    | 9979200 | 10252, 10291, 10367, 10456 (3)                             | 906 (2), 3253, 5404, 5908, 7388  |
| 9112                                | $2^2 : S_3$      | 24    | 9979200 | 10259, 10456 (3), 10659 (4)                                | 906 (2), 1545 (2), 5622, 5861 (2), 7564                                |
| 9113                                | $S_3 \times 2^2$ | 24    | 2494800 | 10294, 10343, 10372 (2), 10394, 10254 (2), 10528 (3)       | 1496 (2), 5388, 6215, 7252, 7253, 7255, 7310, 7492, 7528, 7671         |
| 9114                                | $S_3 \times 2^2$ | 24    | 4989600 | 10295, 10342, 10254, 10375, 10255, 10325, 10370, 10529 (3) | 1497 (2), 5411, 5853 (2), 6075 (2), 6136, 7252, 7311, 7546             |
| 9115                                | $S_3 \times 2^2$ | 24    | 4989600 | 10264, 10379, 10342, 10254, 10381, 10256, 10296, 10530 (3) | 1498 (2), 5491 (2), 5492, 6228, 7252, 7312, 7545                       |
| 9116                                | $S_3 \times 2^2$ | 24    | 2494800 | 10395, 10347, 10297, 10255, 10256, 10387, 10343, 10531 (3) | 1499 (2), 5665, 6220, 7252, 7254, 7256, 7315, 7639, 7670, 7673         |
| 9117                                | $S_3 \times 4$   | 24    | 2494800 | 10343, 10298, 10288, 10532 (3)                             | 1500 (2), 5672, 6214, 7253, 7256, 7257, 7316, 7621, 7674, 7679         |
| 9118                                | $S_3 \times 2^2$ | 24    | 2494800 | 10343, 10256 (2), 10393 (2), 10299, 10384, 10533 (3)       | 1501 (2), 5676, 6218, 7254, 7255, 7257, 7318, 7642, 7669, 7678         |
| 9119                                | $2^2 : S_3$      | 24    | 1663200 | 10258, 10462 (3), 10638 (4)                                | 1516, 5601 (3), 5854, 6012, 7258 (3), 7259, 7260 (3)                   |
| 9120                                | $2^2 : S_3$      | 24    | 4989600 | 10257, 10435 (3), 10636 (4)                                | 1517 (2), 5640, 5856 (2), 6092, 6148, 7261, 7491, 7631                 |
| 9121                                | $2^2 : S_3$      | 24    | 4989600 | 10257, 10445 (3), 10659 (4)                                | 1518 (2), 5612, 5857 (2), 6039, 6113, 7261, 7563, 7578                 |
| 9122                                | $A_4 \times 2$   | 24    | 554400  | 10257, 10518, 10660 (4)                                    | 1519 (6), 5616 (3), 5859 (2), 6060, 6152, 7261 (9), 7524 (3), 7579 (3) |
| 9123                                | $A_4 \times 2$   | 24    | 9979200 | 10260, 10534, 10645 (4)                                    | 1532, 5171, 5302, 5456, 5457 (2), 5848, 7263                           |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups           | Minimal Overgroups  |
| 9124                                | $A_4 \times 2$ | 24    | 1663200 | 10258, 10535, 10645 (4)     | 1534 (3), 5171 (3), 5454, 5455, 5855, 6087, 7258 (3), 7262, 7264 (3)  |
| 9125                                | $2^2 : S_3$    | 24    | 4989600 | 10258, 10435 (3), 10635 (4) | 1535, 5638, 5856, 6090, 6148 (2), 7258, 7265, 7266  |
| 9126                                | $2^2 : S_3$    | 24    | 4989600 | 10258, 10445 (3), 10661 (4) | 1538, 5603, 5857, 6021, 6113 (2), 7260, 7264, 7266  |
| 9127                                | $A_4 \times 2$ | 24    | 1663200 | 10258, 10536, 10653 (4)     | 1540 (3), 5605, 5858, 6024, 7260 (3), 7262, 7265 (3)  |
| 9128                                | $A_4 \times 2$ | 24    | 554400  | 10258, 10518, 10651 (4)     | 1542 (3), 5614 (3), 5859, 6059, 6152 (2), 7259 (3), 7262 (3), 7266 (9)  |
| 9129                                | $2^2 : S_3$    | 24    | 1663200 | 10258, 10476 (3), 10662 (4) | 1543, 5610 (3), 5860, 6057, 7259, 7264 (3), 7265 (3)  |
| 9130                                | $2^2 : S_3$    | 24    | 9979200 | 10260, 10456 (3), 10661 (4) | 1546, 5416, 5417 (2), 5861, 7263  |
| 9131                                | $2^2 : S_3$    | 24    | 3326400 | 10260, 10441 (3), 10662 (4) | 1548, 5424 (3), 5862, 7263 (3)  |
| 9132                                | $2^2 : S_3$    | 24    | 1247400 | 10310, 10537 (3), 10634 (4) | 2365 (4), 5636, 7269 (2), 7273, 7608, 7609, 7627 (2), 7652 (2), 7657 (2)  |
| 9133                                | $2^2 : S_3$    | 24    | 2494800 | 10312, 10537 (3), 10636 (4) | 2365 (2), 5619, 5640, 5744, 7270 (2), 7272, 7585 (2)  |
| 9134                                | $2^2 : S_3$    | 24    | 4989600 | 10311, 10461 (3), 10635 (4) | 2366 (2), 4920 (2), 5638, 7271, 7459, 7637  |
| 9135                                | $2^2 : S_3$    | 24    | 13860   | 10305, 10516 (3), 10639 (4) | 2380, 4931 (6), 4933 (36), 5852 (6), 5911 (20), 5913 (20), 7275 (15), 7276, 7279 (15), 7281 (45), 7282 (45), 7284 (15), 7287 (15) |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 9136                                | $2^2 : S_3$      | 24    | 13860   | 10314, 10516 (3),<br>10640 (4)                                   | 2380, 3863 (12), 4934<br>(36), 5912 (20), 5914<br>(20), 7274 (15), 7277,<br>7278 (15), 7280 (45),<br>7283 (45), 7285 (15),<br>7286 (15) |
| 9137                                | $2^2 : S_3$      | 24    | 4989600 | 10311, 10469 (3),<br>10638 (4)                                   | 2411, 4919 (4), 5601,<br>7271, 7288, 7289   |
| 9138                                | $S_3 \times 2^2$ | 24    | 3326400 | 10262 (3), 10252 (3),<br>10365, 10534 (3)                        | 3016 (6), 5176 (3),<br>5848, 5882 (3), 7388<br>(3)  |
| 9139                                | $S_3 \times 2^2$ | 24    | 2494800 | 10353, 10376, 10278<br>(2), 10263, 10261 (2),<br>10538 (3)       | 3017 (4), 3089, 5175<br>(2), 5204, 5884,<br>5935 (4), 7290, 7303,<br>7307, 7313, 7333,<br>7336, 7350                                    |
| 9140                                | $S_3 \times 2^2$ | 24    | 2494800 | 10299, 10352, 10276<br>(2), 10263, 10266 (2),<br>10539 (3)       | 3018 (4), 3075, 5202,<br>6160, 7290, 7318,<br>7323, 7325, 7330,<br>7345, 7356   |
| 9141                                | $S_3 \times 2^2$ | 24    | 2494800 | 10395, 10362, 10264,<br>10263, 10274, 10265,<br>10279, 10514 (3) | 3019 (4), 3123, 5214,<br>6167, 7290, 7312,<br>7315, 7344, 7347,<br>7353, 7355   |
| 9142                                | $S_3 \times 2^2$ | 24    | 4989600 | 10261, 10264, 10393,<br>10266, 10392, 10345,<br>10346, 10500 (3) | 3020 (2), 3021 (2),<br>5721, 6164, 7290,<br>7549, 7669  |
| 9143                                | $S_3 \times 2^2$ | 24    | 4989600 | 10261, 10265, 10391,<br>10266, 10360, 10347,<br>10348, 10540 (3) | 3022 (2), 3023 (2),<br>5724, 6166, 7290,<br>7548, 7670  |
| 9144                                | $S_3 \times 2^2$ | 24    | 277200  | 10267 (3), 10275 (3),<br>10357, 10535 (3)                        | 3024 (3), 5178 (3),<br>5855 (2), 5919 (9),<br>5925, 6055, 7291 (3),<br>7292, 7293 (3), 7300<br>(9), 7308 (9), 7319<br>(3), 7326 (3)     |
| 9145                                | $S_3 \times 2^2$ | 24    | 83160   | 10270 (2), 10273 (2),<br>10315, 10330, 10267,<br>10518 (3)       | 3025 (2), 4937 (6),<br>5179 (5), 5920 (10),<br>5928 (10), 7292 (10),<br>7296 (15), 7363 (15),<br>7366 (10), 7482                        |
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|-------------------------------------|------------------|-------|---------|--|---|
| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 9146                                | $S_3 \times 2^2$ | 24    | 831600  | 10273 (2), 10277 (2),<br>10267, 10317, 10363,<br>10536 (3)       | 3026 (2), 5181 (3),<br>5921 (6), 5927 (3),<br>5930, 7292, 7293 (3),<br>7295 (3), 7367 (3),<br>7384 (3), 7507, 7518  |
| 9147                                | $S_3 \times 2^2$ | 24    | 1247400 | 10275 (2), 10321,<br>10268 (2), 10267,<br>10328, 10512 (3)       | 3027 (2), 4935 (2),<br>5184, 5922 (2), 5926<br>(2), 7291, 7294,<br>7295, 7296, 7297,<br>7298, 7299, 7443,<br>7460, 7467, 7468,<br>7664, 7672, 7720,<br>7730 |
| 9148                                | $S_3 \times 2^2$ | 24    | 1247400 | 10329, 10322, 10269<br>(2), 10267, 10277 (2),<br>10517 (3)       | 3028 (2), 4936 (2),<br>5186, 5923 (2), 5929<br>(2), 7293 (2), 7296,<br>7299 (2), 7481, 7487,<br>7682 (2), 7728 (2)  |
| 9149                                | $S_3 \times 4$   | 24    | 9979200 | 10291, 10290, 10262,<br>10450 (3)                                | 3029 (2), 3258, 5376,<br>5889, 7388   |
| 9150                                | $S_3 \times 4$   | 24    | 2494800 | 10275, 10282, 10284,<br>10465 (3)                                | 3044, 3161 (2), 4938<br>(2), 5187, 5977,<br>5986, 7297, 7300,<br>7301, 7302, 7332,<br>7352, 7357  |
| 9151                                | $S_3 \times 4$   | 24    | 2494800 | 10288, 10263, 10285,<br>10465 (3)                                | 3045, 3162 (2), 5188,<br>5986, 7303, 7304,<br>7305, 7316, 7331,<br>7353, 7356   |
| 9152                                | $S_3 \times 4$   | 24    | 2494800 | 10289, 10286, 10263,<br>10449 (3)                                | 3046, 3176 (2), 5190,<br>5435 (2), 5887, 7305,<br>7307, 7309, 7317,<br>7341, 7345, 7355   |
| 9153                                | $S_3 \times 4$   | 24    | 2494800 | 10283, 10287, 10275,<br>10475 (3)                                | 3047, 3177 (2), 4946<br>(2), 5189, 5980,<br>5997, 7298, 7302,<br>7306, 7308, 7342,<br>7346, 7354  |
| 9154                                | $S_3 \times 2^2$ | 24    | 831600  | 10270, 10307, 10268,<br>10309, 10306, 10300,<br>10269, 10494 (3) | 3049, 3864 (8), 4948<br>(6), 5209, 5939 (4),<br>5953 (4), 5973 (3),<br>6125, 7296 (3), 7334<br>(6)  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 9155                                | $S_3 \times 2^2$ | 24    | 2494800 | 10271 (2), 10263, 10254 (2), 10349, 10294, 10541 (3)       | 3057, 5177, 5931 (4), 6104, 7303, 7309, 7310, 7311, 7312, 7320, 7325   |
| 9156                                | $S_3 \times 2^2$ | 24    | 831600  | 10350, 10295, 10255, 10274, 10272, 10341, 10271, 10542 (3) | 3058, 5180, 5944 (4), 5947 (4), 6128, 7311 (6), 7315 (3)   |
| 9157                                | $S_3 \times 2^2$ | 24    | 4989600 | 10276, 10274, 10369, 10271, 10370, 10342, 10296, 10525 (3) | 3059, 5182, 5380 (2), 5865, 5945 (2), 5946 (2), 7311, 7312, 7314   |
| 9158                                | $S_3 \times 2^2$ | 24    | 2494800 | 10343, 10344, 10372, 10263, 10271, 10373, 10278, 10543 (3) | 3060, 5183, 5381 (2), 5866, 7310, 7313, 7314, 7315, 7316, 7317, 7318   |
| 9159                                | $S_3 \times 2^2$ | 24    | 2494800 | 10276, 10279, 10380, 10271, 10351, 10381, 10256, 10544 (3) | 3061, 5185, 6171, 7312 (2), 7315, 7318 (2)   |
| 9160                                | $S_3 \times 2^2$ | 24    | 831600  | 10263 (3), 10378 (3), 10301, 10506 (3)                     | 3065, 5191, 5293 (4), 5428 (2), 5948, 6046, 7313, 7320 (3), 7322 (3), 7323, 7331 (3), 7341 (3), 7344             |
| 9161                                | $S_3 \times 2^2$ | 24    | 277200  | 10275 (3), 10354 (3), 10326, 10506 (3)                     | 3066, 5192 (3), 5949, 5961, 5962 (2), 6046 (3), 7294 (3), 7319 (3), 7321 (3), 7324, 7332 (9), 7342 (9), 7343 (3) |
| 9162                                | $S_3 \times 2^2$ | 24    | 2494800 | 10263, 10274 (2), 10375 (2), 10302, 10374, 10507 (3)       | 3067, 5193, 5294 (4), 5440 (2), 5934 (4), 6047, 7304, 7307, 7311, 7314, 7322, 7330, 7347                         |
| 9163                                | $S_3 \times 2^2$ | 24    | 831600  | 10330, 10323 (2), 10363, 10273 (2), 10275, 10507 (3)       | 3068, 5194 (3), 5933 (6), 5971, 6047 (3), 7292, 7295 (3), 7301 (3), 7306 (3), 7321, 7329, 7348 (3)               |
| 9164                                | $S_3 \times 2^2$ | 24    | 2494800 | 10276, 10263, 10324, 10272, 10325, 10319, 10297, 10511 (3) | 3069, 4941 (4), 5196, 5932 (4), 5936 (4), 6029, 7305, 7311, 7315, 7323, 7328, 7333, 7337                         |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 9165                                | $S_3 \times 2^2$ | 24    | 831600  | 10323, 10317, 10275, 10270, 10315, 10277, 10306, 10507 (3) | 3070, 4942 (6), 5195 (3), 5933 (6), 5934 (12), 5976, 6025 (3), 7292, 7296 (3), 7302 (3), 7324, 7327, 7334 (3), 7338 (3) |
| 9166                                | $S_3 \times 4$   | 24    | 2494800 | 10298, 10318, 10263, 10483 (3)                             | 3071, 4939 (4), 5197, 6027, 7316, 7320, 7328, 7330, 7336, 7355, 7359  |
| 9167                                | $S_3 \times 4$   | 24    | 831600  | 10284, 10313, 10275, 10503 (3)                             | 3072, 4940 (6), 5198 (3), 5978, 6013 (3), 7297 (3), 7319, 7327, 7329, 7335 (3), 7354 (3), 7358 (3)                      |
| 9168                                | $S_3 \times 4$   | 24    | 831600  | 10287, 10316, 10275, 10508 (3)                             | 3073, 4943 (6), 5200 (3), 5979, 6026 (3), 7298 (3), 7321, 7326, 7327, 7339 (3), 7349 (3), 7352 (3)                      |
| 9169                                | $S_3 \times 4$   | 24    | 2494800 | 10320, 10303, 10263, 10508 (3)                             | 3074, 4944 (4), 5199, 5295 (4), 5445 (2), 6026, 7317, 7322, 7325, 7328, 7340, 7350, 7353                                |
| 9170                                | $S_3 \times 2^2$ | 24    | 831600  | 10275, 10277 (2), 10361 (2), 10355, 10335, 10545 (3)       | 3076, 5201 (3), 5981, 6048 (3), 7299 (3), 7324, 7326, 7329, 7346 (3), 7351 (3), 7357 (3)                                |
| 9171                                | $S_3 \times 2^2$ | 24    | 2494800 | 10354, 10275, 10382 (2), 10333, 10268 (2), 10541 (3)       | 3090, 5203, 5931 (4), 5969, 6100, 7294, 7300, 7306, 7334, 7335, 7349, 7351  |
| 9172                                | $S_3 \times 2^2$ | 24    | 2494800 | 10275, 10334, 10389 (2), 10355, 10269 (2), 10511 (3)       | 3091, 5205, 5932 (4), 5983, 6103, 7299, 7301, 7308, 7334, 7339, 7343, 7358  |
| 9173                                | $S_3 \times 2^2$ | 24    | 2494800 | 10263, 10384, 10279 (2), 10356, 10390 (2), 10511 (3)       | 3092, 5206, 5936 (4), 6103, 7304, 7309, 7318, 7333, 7340, 7344, 7359  |

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| Nr.                                 | Structure        | Order | Length   | Maximal Subgroups  | Minimal Overgroups   |
| 9174                                | $S_3 \times 2^2$ | 24    | 831600   | 10275 (3), 10328 (3),<br>10357, 10512 (3)                        | 3093, 5207, 5926 (3),<br>5951, 6111, 7291,<br>7332 (3), 7335 (3),<br>7338, 7339 (3), 7346<br>(3), 7348 |
| 9175                                | $S_3 \times 2^2$ | 24    | 831600   | 10263 (3), 10394 (3),<br>10358, 10512 (3)                        | 3094, 5208, 5950,<br>6111, 7310, 7331 (3),<br>7336 (3), 7337, 7340<br>(3), 7345 (3), 7347              |
| 9176                                | $S_3 \times 2^2$ | 24    | 831600   | 10279, 10278, 10386,<br>10272, 10385, 10359,<br>10387, 10546 (3) | 3095, 5210, 5952 (4),<br>5954 (4), 6129, 7315<br>(3), 7333 (6)   |
| 9177                                | $S_3 \times 2^2$ | 24    | 4989600  | 10360, 10391, 10393,<br>10279, 10276, 10392,<br>10278, 10547 (3) | 3096, 5212, 5956 (2),<br>5958 (2), 6138, 7290,<br>7318, 7333   |
| 9178                                | $S_3 \times 2^2$ | 24    | 4989600  | 10361, 10269, 10389,<br>10383, 10336, 10277,<br>10268, 10548 (3) | 3097, 5211, 5955 (2),<br>5957 (2), 5982, 6130,<br>7299, 7334, 7351                                     |
| 9179                                | $S_3 \times 2^2$ | 24    | 19958400 | 10339, 10338, 10308,<br>10280, 10253, 10340,<br>10281, 10529 (3) | 3104, 5173, 5213,<br>5399, 6049, 6075,<br>6088, 6124   |
| 9180                                | $S_3 \times 2^2$ | 24    | 2494800  | 10317, 10322, 10273,<br>10275, 10331, 10269,<br>10307, 10514 (3) | 3124, 4945 (2), 5215,<br>5937 (2), 5975, 6167,<br>7293, 7296, 7343,<br>7348, 7351, 7352,<br>7354       |
| 9181                                | $S_3 \times 2^2$ | 24    | 2494800  | 10363, 10329, 10277<br>(2), 10275, 10331 (2),<br>10549 (3)       | 3125, 5217, 5938 (2),<br>5972, 6168, 7293,<br>7295, 7338, 7342,<br>7349, 7357, 7358                    |
| 9182                                | $S_3 \times 2^2$ | 24    | 2494800  | 10364, 10377, 10379<br>(2), 10263, 10276 (2),<br>10550 (3)       | 3126, 5216, 5442 (2),<br>5894, 7312, 7314,<br>7337, 7341, 7350,<br>7356, 7359                          |
| 9183                                | $S_3 \times 2^2$ | 24    | 2494800  | 10273, 10268, 10332,<br>10277, 10309, 10323,<br>10331, 10519 (3) | 3127, 4947 (2), 5219,<br>5970 (2), 5974, 6169,<br>7295 (2), 7296, 7351<br>(2)                          |
| 9184                                | $S_3 \times 2^2$ | 24    | 2494800  | 10274, 10278, 10348,<br>10276, 10345, 10346,<br>10347, 10551 (3) | 3128, 5218, 5304 (4),<br>5873, 7290 (2), 7314<br>(2), 7315   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 9185                                | $Q_8 : 3$      | 24    | 415800  | 10458, 10641 (4)               | 3144 (4), 5631, 5984 (4), 7360 (6), 7361, 7362 (6), 7661 (3), 7711 (3)                                 |
| 9186                                | $2^2 : S_3$    | 24    | 1247400 | 10333, 10282, 10267, 10435 (3) | 3146 (4), 5016 (2), 5252, 5992 (2), 7300 (2), 7363, 7384 (2), 7443, 7487, 7720 (2), 7728 (2)           |
| 9187                                | $D_8 \times 3$ | 24    | 1247400 | 10333, 10283, 10330, 10436     | 3148 (4), 5021 (2), 5253, 5996 (2), 7306 (2), 7363, 7369 (2), 7458, 7488, 7726 (2), 7747 (2)           |
| 9188                                | $D_{24}$       | 24    | 1247400 | 10334, 10283, 10267, 10445 (3) | 3149 (4), 5025 (2), 5254, 5993 (2), 7308 (2), 7363, 7367 (2), 7468, 7481, 7728 (2), 7730 (2)           |
| 9189                                | $S_3 \times 4$ | 24    | 1247400 | 10282, 10283, 10315, 10446 (3) | 3150 (4), 4987 (2), 5031 (2), 5255, 5998 (2), 7302 (2), 7363, 7383 (2), 7416, 7464 (2), 7483, 7743 (2) |
| 9190                                | $2^2 : S_3$    | 24    | 1247400 | 10334, 10282, 10330, 10439 (3) | 3151 (4), 5035 (2), 5256, 5999 (2), 7301 (2), 7363, 7382 (2), 7474, 7484, 7747 (2), 7749 (2)           |
| 9191                                | $D_{24}$       | 24    | 831600  | 10284, 10354, 10267, 10462 (3) | 3156 (2), 5257 (3), 5985, 6067 (3), 7300 (3), 7319, 7366, 7367 (3), 7518, 7664 (3), 7682 (3)           |
| 9192                                | $D_8 \times 3$ | 24    | 2494800 | 10357, 10333, 10284, 10462     | 3160 (2), 5258, 5854 (2), 5985, 6016, 6110, 7300, 7335, 7368, 7369, 7566, 7574, 7614                   |

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|-------------------------------------|----------------|-------|---------|--------------------------------|--|
| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 9193                                | $S_3 \times 4$ | 24    | 831600  | 10287, 10315, 10284, 10464 (3) | 3163 (2), 4960 (6), 5259 (3), 5988, 6014 (3), 7302 (3), 7327, 7366, 7368 (3), 7425 (3), 7511, 7689 (3) |
| 9194                                | $D_8 \times 3$ | 24    | 831600  | 10355, 10284, 10330, 10463     | 3164 (2), 5260 (3), 5989, 6074 (3), 7301 (3), 7329, 7366, 7369 (3), 7509, 7675 (3), 7688 (3)           |
| 9195                                | $D_{24}$       | 24    | 2494800 | 10363, 10334, 10284, 10466 (3) | 3165 (2), 5264, 5987, 6196, 7301, 7358, 7367, 7368, 7567, 7677, 7687                                   |
| 9196                                | $2 \times 12$  | 24    | 2494800 | 10283, 10317, 10284, 10464     | 3166 (2), 4963 (2), 5265, 5988, 6191, 7302, 7354, 7367, 7369, 7426, 7568, 7690                         |
| 9197                                | $D_{24}$       | 24    | 831600  | 10285, 10353, 10349, 10467 (3) | 3184 (2), 5261 (3), 5990, 7303 (3), 7372, 7375 (3), 7501, 7517, 7547 (3), 7707 (3)                     |
| 9198                                | $D_8 \times 3$ | 24    | 831600  | 10356, 10285, 10302, 10463     | 3185 (2), 5262 (3), 5989, 7304 (3), 7372, 7373 (3), 7505, 7510, 7560 (3), 7686 (3)                     |
| 9199                                | $S_3 \times 4$ | 24    | 831600  | 10285, 10286, 10319, 10468 (3) | 3186 (2), 5263 (3), 5991, 7305 (3), 7372, 7374 (3), 7504, 7512, 7555 (3), 7691 (3)                     |
| 9200                                | $D_8 \times 3$ | 24    | 2494800 | 10294, 10376, 10285, 10467     | 3187 (2), 5266, 5990, 7303, 7373, 7374, 7492, 7535, 7703, 7704   |
| 9201                                | $D_{24}$       | 24    | 2494800 | 10374, 10384, 10285, 10466 (3) | 3188 (2), 5267, 5987, 7304, 7374, 7375, 7559, 7569, 7678, 7685   |
| 9202                                | $2 \times 12$  | 24    | 2494800 | 10289, 10285, 10297, 10468     | 3189 (2), 5268, 5991, 7305, 7373, 7375, 7557, 7570, 7673, 7692   |

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| Nr.                                 | Structure       | Order | Length  | Maximal Subgroups                 | Minimal Overgroups   |
| 9203                                | $Q_8 : 3$       | 24    | 9979200 | 10459, 10645 (4)                  | 3191, 5171, 5456 (2),<br>5457, 5458, 7251  |
| 9204                                | $2^2 : S_3$     | 24    | 831600  | 10287, 10354, 10330,<br>10436 (3) | 3209 (2), 5269 (3),<br>5996, 6068 (3), 7306<br>(3), 7321, 7366, 7382<br>(3), 7516, 7665 (3),<br>7688 (3) |
| 9205                                | $2^2 : S_3$     | 24    | 831600  | 10286, 10353, 10302,<br>10442 (3) | 3210 (2), 5270 (3),<br>5466 (6), 5904, 7307<br>(3), 7372, 7378 (3),<br>7498, 7515, 7541 (3),<br>7700 (3) |
| 9206                                | $2^2 : S_3$     | 24    | 831600  | 10287, 10355, 10267,<br>10476 (3) | 3211 (2), 5271 (3),<br>5994, 6071 (3), 7308<br>(3), 7326, 7366, 7384<br>(3), 7507, 7672 (3),<br>7682 (3) |
| 9207                                | $2^2 : S_3$     | 24    | 831600  | 10349, 10286, 10356,<br>10477 (3) | 3212 (2), 5272 (3),<br>6004, 7309 (3), 7372,<br>7379 (3), 7503, 7508,<br>7551 (3), 7684 (3)              |
| 9208                                | $2^2 : S_3$     | 24    | 2494800 | 10354, 10282, 10357,<br>10435 (3) | 3220 (2), 5274, 5856<br>(2), 5992, 6090,<br>6149, 7300, 7332,<br>7382, 7383, 7592,<br>7624, 7635         |
| 9209                                | $2^2 : S_3$     | 24    | 2494800 | 10288, 10353, 10294,<br>10478 (3) | 3221 (2), 5275, 6001,<br>7253, 7303, 7378,<br>7381, 7490, 7706,<br>7708                                  |
| 9210                                | $2^2 : S_3$     | 24    | 2494800 | 10288, 10376, 10349,<br>10478 (3) | 3222 (2), 5276, 6001,<br>7303, 7379, 7380,<br>7533, 7621, 7702,<br>7705                                  |
| 9211                                | $S_3 \times 4$  | 24    | 2494800 | 10289, 10288, 10319,<br>10479 (3) | 3223 (2), 5277, 6002,<br>7305, 7380, 7381,<br>7556, 7629, 7634,<br>7674                                  |
| 9212                                | $2^2 \cdot S_3$ | 24    | 2494800 | 10286, 10288, 10297,<br>10479 (3) | 3224 (2), 5278, 6002,<br>7256, 7305, 7378,<br>7379, 7554, 7633,<br>7638                                  |

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| Nr.                                 | Structure       | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 9213                                | $2^2 \cdot S_3$ | 24    | 2494800 | 10282, 10287, 10317, 10446 (3) | 3225 (2), 4983 (2), 5279, 5998, 6190, 7302, 7352, 7382, 7384, 7415, 7624, 7628       |
| 9214                                | $2^2 : S_3$     | 24    | 2494800 | 10363, 10282, 10355, 10474 (3) | 3226 (2), 5280, 6000, 6199, 7301, 7357, 7383, 7384, 7628, 7635, 7676                 |
| 9215                                | $2^2 : S_3$     | 24    | 2494800 | 10288, 10374, 10356, 10474 (3) | 3227 (2), 5281, 6000, 7304, 7379, 7381, 7561, 7623, 7630, 7679                       |
| 9216                                | $2^2 : S_3$     | 24    | 2494800 | 10384, 10288, 10302, 10439 (3) | 3228 (2), 5282, 5999, 7257, 7304, 7378, 7380, 7558, 7625, 7632                       |
| 9217                                | $2^2 : S_3$     | 24    | 2494800 | 10333, 10363, 10287, 10480 (3) | 3229 (2), 5283, 5995, 6177, 7306, 7349, 7368, 7384, 7614, 7617, 7693                 |
| 9218                                | $D_{24}$        | 24    | 2494800 | 10283, 10363, 10354, 10480 (3) | 3230 (2), 5284, 5995, 6182, 7306, 7342, 7367, 7383, 7611, 7666, 7690                 |
| 9219                                | $D_8 \times 3$  | 24    | 2494800 | 10289, 10376, 10302, 10442     | 3231 (2), 5285, 5467 (2), 5904, 7307, 7373, 7380, 7499, 7540, 7640, 7699             |
| 9220                                | $2^2 : S_3$     | 24    | 2494800 | 10286, 10376, 10374, 10455 (3) | 3232 (2), 5286, 5462 (2), 5903, 7307, 7374, 7379, 7532, 7543, 7641, 7701             |
| 9221                                | $D_{24}$        | 24    | 2494800 | 10353, 10289, 10374, 10455 (3) | 3233 (2), 5287, 5463 (2), 5903, 7307, 7375, 7381, 7531, 7542, 7643, 7698             |
| 9222                                | $2^2 : S_3$     | 24    | 2494800 | 10357, 10334, 10287, 10445 (3) | 3234 (2), 5288, 5857 (2), 5993, 6021, 6112, 7308, 7339, 7368, 7382, 7567, 7573, 7598 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 9223                                | $D_8 \times 3$ | 24    | 2494800 | 10357, 10283, 10355, 10476     | 3235 (2), 5289, 5860 (2), 5994, 6094, 6151, 7308, 7346, 7369, 7383, 7568, 7596, 7611 |
| 9224                                | $D_{24}$       | 24    | 2494800 | 10349, 10289, 10384, 10481 (3) | 3236 (2), 5290, 6003, 7309, 7375, 7380, 7553, 7610, 7642, 7683                       |
| 9225                                | $D_8 \times 3$ | 24    | 2494800 | 10289, 10294, 10356, 10477     | 3237 (2), 5291, 6004, 7309, 7373, 7381, 7495, 7552, 7612, 7671                       |
| 9226                                | $2^2 : S_3$    | 24    | 2494800 | 10286, 10294, 10384, 10481 (3) | 3238 (2), 5292, 6003, 7255, 7309, 7374, 7378, 7496, 7550, 7613                       |
| 9227                                | $Q_8 \times 3$ | 24    | 415800  | 10292 (3), 10458               | 3248 (4), 5633, 5984 (4), 7385 (6), 7386, 7387 (6), 7731 (3), 7761 (3)               |
| 9228                                | $Q_8 : 3$      | 24    | 3326400 | 10458, 10645 (4)               | 3249, 5455, 5457 (3), 5458, 5984, 7250 (3)   |
| 9229                                | $2^2 : S_3$    | 24    | 9979200 | 10290, 10365, 10367, 10456 (3) | 3254, 5393, 5394 (2), 5861, 5908, 7388   |
| 9230                                | $2^2 : S_3$    | 24    | 3326400 | 10290, 10252, 10366, 10441 (3) | 3255, 5396 (3), 5909, 7388 (3)   |
| 9231                                | $D_8 \times 3$ | 24    | 9979200 | 10291, 10365, 10366, 10441     | 3256, 5395, 5862, 5909, 7388   |
| 9232                                | $D_{24}$       | 24    | 2494800 | 10382 (2), 10292, 10469 (3)    | 3270 (2), 5652, 7267, 7385, 7391, 7393, 7663, 7732, 7762                             |
| 9233                                | $4 \cdot S_3$  | 24    | 2494800 | 10292, 10425 (3)               | 3271 (2), 5653, 7267, 7385, 7392, 7394, 7662, 7753, 7763                             |
| 9234                                | $S_3 \times 4$ | 24    | 1247400 | 10293, 10300, 10292, 10472 (3) | 3272 (4), 5026 (4), 5748, 7386, 7391 (2), 7392 (2), 7470, 7571, 7590 (2), 7712 (2)   |
| 9235                                | $Q_{24}$       | 24    | 1247400 | 10293 (2), 10292, 10430 (3)    | 3273 (4), 5757, 7386, 7393 (2), 7394 (2), 7756 (2), 7757 (2), 7758, 7760             |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                | Minimal Overgroups   |
| 9236                                | $D_8 \times 3$ | 24    | 2494800 | 10383 (2), 10292, 10471                          | 3274 (2), 5654, 7268, 7387, 7391, 7394, 7662, 7751, 7762                             |
| 9237                                | 24             | 24    | 2494800 | 10292, 10470                                     | 3275 (2), 5655, 7268, 7387, 7392, 7393, 7663, 7754, 7763                             |
| 9238                                | $2^2 : S_3$    | 24    | 4989600 | 10293, 10382, 10383, 10482 (3)                   | 3276 (2), 5768, 7391, 7737, 7762   |
| 9239                                | $2^2 \times 6$ | 24    | 2494800 | 10296 (2), 10295 (2), 10302, 10294, 10297, 10494 | 3857 (4), 5389, 5939 (4), 6108, 7252, 7311, 7373, 7378, 7395, 7493, 7525             |
| 9240                                | $D_8 \times 3$ | 24    | 2494800 | 10298, 10301, 10294, 10495                       | 3858 (4), 5608, 6006, 6116 (2), 6117, 7253, 7320, 7395, 7535, 7576, 7612, 7613       |
| 9241                                | $2^2 \times 6$ | 24    | 831600  | 10297 (3), 10299 (3), 10301, 10496               | 3859 (4), 5615, 6007, 6122, 7254, 7323, 7395 (3), 7538, 7570 (3), 7583 (3), 7638 (3) |
| 9242                                | $D_8 \times 3$ | 24    | 2494800 | 10299, 10303, 10294, 10497                       | 3860 (4), 5688, 6211, 7255, 7325, 7395, 7494, 7552, 7703, 7708                       |
| 9243                                | $2 \times 12$  | 24    | 2494800 | 10298, 10303, 10297, 10493                       | 3861 (4), 4949 (4), 5334, 6031, 7256, 7328, 7395, 7557, 7575, 7681, 7695             |
| 9244                                | $D_8 \times 3$ | 24    | 2494800 | 10299, 10298, 10302, 10439                       | 3862 (4), 5690, 6212, 7257, 7330, 7395, 7560, 7640, 7680, 7700                       |
| 9245                                | $2^2 : S_3$    | 24    | 166320  | 10327, 10516 (3), 10640 (4)                      | 3863, 4950 (6), 5600 (5), 5852, 6008 (10), 7396 (10), 7397 (15)                      |
| 9246                                | $A_4 \times 2$ | 24    | 415800  | 10310, 10491, 10641 (4)                          | 3865 (2), 5621, 5631, 6009 (4), 7398 (6), 7402 (3), 7497, 7588 (6), 7608 (3)         |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups           | Minimal Overgroups  |
| 9247                                | $2^2 \times 6$ | 24    | 59400   | 10388 (7), 10491            | 3866 (8), 5303, 6009 (28), 7399, 7584 (21), 7589 (21)   |
| 9248                                | $A_4 \times 2$ | 24    | 3326400 | 10371, 10491, 10645 (4)     | 3867 (2), 5302, 5413 (3), 5414, 5455, 5456 (3), 6009, 7529 (3)  |
| 9249                                | $2^2 : S_3$    | 24    | 415800  | 10310, 10552 (3), 10663 (4) | 3868 (2), 5620, 6010 (4), 7400 (6), 7401 (3), 7497, 7586 (6), 7609 (3)  |
| 9250                                | $D_8 \times 3$ | 24    | 831600  | 10303, 10301, 10302, 10492  | 3869 (12), 5326 (3), 5432 (4), 5433 (6), 6011, 6066, 7322 (3), 7395 (3), 7498, 7499 (3), 7506, 7510, 7625 (3)   |
| 9251                                | $2^2 : S_3$    | 24    | 495     | 10305, 10492 (3), 10648 (4) | 3870 (960), 4953 (8), 5000 (336), 6011 (560), 6020 (56), 7276 (28), 7403 (420), 7432 (210), 7774 (105)  |
| 9252                                | $2^2 : S_3$    | 24    | 207900  | 10305, 10495 (3), 10649 (4) | 3871 (16), 4951 (2), 5001 (12), 6006 (4), 6033 (4), 6042 (6), 6091 (12), 7281 (3), 7284, 7403, 7445 (6), 7452 (6), 7479 (3), 7764 (6), 7775, 7784 (6), 7793 (3), 7805 (3) |
| 9253                                | $A_4 \times 2$ | 24    | 207900  | 10305, 10496, 10650 (4)     | 3872 (16), 4952 (2), 5002 (12), 6007 (4), 6036 (4), 6043 (6), 6095 (12), 7282 (3), 7287, 7403, 7438 (3), 7446 (6), 7452 (6), 7765 (6), 7776, 7784 (6), 7796 (3), 7805 (3) |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups              | Minimal Overgroups  |
| 9254                                | $A_4 \times 2$ | 24    | 1663200 | 10304, 10496, 10651<br>(4)     | 3873 (4), 5614, 6007,<br>6123, 7536, 7582 (3),<br>7636 (3)                        |
| 9255                                | $2^2 : S_3$    | 24    | 1247400 | 10310, 10553 (3),<br>10664 (4) | 4921 (4), 5586, 7269<br>(2), 7401, 7405, 7409<br>(2), 7410 (2), 7608,<br>7644 (2) |
| 9256                                | $A_4 \times 2$ | 24    | 1247400 | 10310, 10554, 10665<br>(4)     | 4922 (4), 5587, 7269<br>(2), 7402, 7405, 7408<br>(2), 7411 (2), 7609,<br>7645 (2) |
| 9257                                | $2^2 : S_3$    | 24    | 4989600 | 10312, 10555 (3),<br>10637 (4) | 4923 (2), 5588, 5649,<br>5743, 7270, 7404,<br>7522                                |
| 9258                                | $A_4 \times 2$ | 24    | 4989600 | 10312, 10556, 10666<br>(4)     | 4924 (2), 5387, 5589,<br>5650, 7270, 7404,<br>7520                                |
| 9259                                | $2^2 : S_3$    | 24    | 415800  | 10310, 10557 (3),<br>10640 (4) | 4925 (12), 5600, 6081<br>(4), 7273 (3), 7405<br>(3), 7406 (6), 7407<br>(6), 7497  |
| 9260                                | $2^2 : S_3$    | 24    | 2494800 | 10312, 10558 (3),<br>10637 (4) | 4926 (4), 5602, 5651,<br>5743, 7272, 7404 (2),<br>7580 (2)                        |
| 9261                                | $A_4 \times 2$ | 24    | 2494800 | 10310, 10559, 10646<br>(4)     | 4927 (2), 5607, 6082<br>(2), 7398, 7400,<br>7407, 7408, 7409,<br>7619, 7627       |
| 9262                                | $2^2 : S_3$    | 24    | 2494800 | 10310, 10560 (3),<br>10667 (4) | 4928 (2), 5604, 6079<br>(2), 7407, 7410,<br>7411, 7586, 7588,<br>7616, 7627       |
| 9263                                | $2^2 : S_3$    | 24    | 2494800 | 10310, 10561 (3),<br>10657 (4) | 4929 (2), 5590, 6076<br>(2), 7400, 7406,<br>7409, 7411, 7588,<br>7646, 7657       |
| 9264                                | $A_4 \times 2$ | 24    | 2494800 | 10310, 10562, 10643<br>(4)     | 4930 (2), 5591, 6078<br>(2), 7398, 7406,<br>7408, 7410, 7586,<br>7647, 7657       |

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| Nr.                                 | Structure       | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 9265                                | $A_4 \times 2$  | 24    | 4989600 | 10259, 10563, 10666 (4)        | 4932 (2), 5387, 7412, 7521, 7564   |
| 9266                                | $S_3 \times 4$  | 24    | 83160   | 10313, 10316, 10315, 10504 (3) | 4954 (10), 5029 (6), 5305 (5), 6015 (10), 7327 (10), 7416 (15), 7482, 7489 (15), 7513 (10)                                     |
| 9267                                | $2^2 \cdot S_3$ | 24    | 831600  | 10287, 10317, 10313, 10464 (3) | 4955 (6), 5306 (3), 6014 (3), 6191, 7327, 7354 (3), 7415 (3), 7507, 7516, 7573 (3), 7693 (3)                                   |
| 9268                                | $2^2 \cdot S_3$ | 24    | 1247400 | 10282, 10313, 10321, 10465 (3) | 4956 (2), 4990 (2), 5671, 5977 (2), 7297, 7414, 7415, 7416, 7417, 7418, 7419, 7443, 7461, 7474, 7475, 7592, 7676, 7721, 7729   |
| 9269                                | $S_3 \times 4$  | 24    | 1247400 | 10283, 10322, 10313, 10505 (3) | 4957 (2), 5028 (2), 5733, 6192 (2), 7354 (2), 7416, 7419 (2), 7481, 7488, 7611 (2), 7727 (2)                                   |
| 9270                                | $2^2 : S_3$     | 24    | 207900  | 10314, 10462 (3), 10663 (4)    | 4958 (2), 6012 (4), 6016 (4), 7274, 7420 (6), 7421, 7422 (6), 7423 (3), 7424 (3), 7593 (6), 7780, 7785 (6), 7792 (3), 7795 (3) |
| 9271                                | $2 \times 12$   | 24    | 1247400 | 10284 (2), 10321, 10503        | 4959 (2), 5670, 5978 (2), 7297, 7425, 7426, 7442, 7461, 7466, 7469, 7566, 7664, 7675, 7677, 7723, 7733, 7740, 7750             |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups              | Minimal Overgroups  |
| 9272                                | $2 \times 12$  | 24    | 831600  | 10284, 10316, 10317, 10504     | 4961 (6), 5322 (3), 6015 (3), 6195, 7327, 7352 (3), 7426 (3), 7509, 7518, 7574 (3), 7687 (3)  |
| 9273                                | $S_3 \times 4$ | 24    | 2494800 | 10287, 10322, 10284, 10505 (3) | 4962 (2), 5726, 6192, 6193, 7352, 7354, 7425, 7567, 7614, 7682, 7688  |
| 9274                                | $2^2 : S_3$    | 24    | 13860   | 10314, 10521 (3), 10658 (4)    | 4964 (2), 4999 (36), 6019 (20), 6034 (20), 7277, 7421 (15), 7431 (45), 7450 (15), 7485 (45), 7597 (15), 7778 (15)   |
| 9275                                | $A_4 \times 2$ | 24    | 13860   | 10305, 10522, 10654 (4)        | 4965 (6), 5003 (36), 6018 (6), 6023 (20), 6054 (20), 7276, 7279 (15), 7430 (15), 7438 (45), 7479 (45), 7775 (15), 7776 (15)   |
| 9276                                | $A_4 \times 2$ | 24    | 207900  | 10314, 10536, 10646 (4)        | 4966 (2), 6017 (4), 6024 (4), 7278, 7421, 7422 (6), 7429 (6), 7476 (3), 7480 (3), 7595, 7600 (6), 7787 (6), 7803 (3), 7809 (3)  |
| 9277                                | $A_4 \times 2$ | 24    | 103950  | 10305, 10506, 10655 (4)        | 4967 (4), 4971 (8), 5948 (24), 5949 (8), 6041 (4), 7275, 7281 (6), 7364 (3), 7365 (3), 7370 (6), 7377 (6), 7413, 7428, 7430, 7432, 7434, 7437, 7438 (6), 7445 (6), 7446 (6), 7448 (6), 7477 (6), 7766 (3), 7767 (3), 7793 (3), 7794 (3), 7796 (3), 7797 (3) |

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| Nr.                                 | Structure       | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 9278                                | $A_4 \times 2$  | 24    | 623700  | 10314, 10512, 10647 (4)        | 4968 (2), 4972 (4), 5950 (4), 5951 (4), 7280, 7371, 7376, 7389, 7390, 7420, 7423, 7427, 7429, 7431, 7433, 7435, 7436, 7439, 7440, 7441, 7444, 7447, 7449, 7476, 7478, 7519, 7710, 7768, 7769, 7770, 7798, 7800, 7801, 7804, 7806 |
| 9279                                | $2^2 : S_3$     | 24    | 623700  | 10314, 10445 (3), 10657 (4)    | 4969 (2), 4998 (4), 6021 (4), 6039 (4), 7283, 7422 (2), 7424, 7431, 7436 (2), 7451 (2), 7478 (2), 7480, 7486, 7599 (2), 7660, 7790 (2), 7799 (2), 7807 (2), 7810   |
| 9280                                | $2^2 : S_3$     | 24    | 103950  | 10305, 10520 (3), 10656 (4)    | 4970 (4), 4997 (8), 6022 (8), 6038 (24), 6044 (4), 7279 (2), 7282 (6), 7432, 7437 (2), 7452 (12), 7477 (12), 7479 (6), 7781 (6), 7797 (3), 7805 (6), 7811 (3)  |
| 9281                                | $S_3 \times 4$  | 24    | 831600  | 10319, 10318, 10303, 10493 (3) | 4973 (4), 5331 (3), 6031, 7328 (3), 7494 (3), 7504, 7506, 7514, 7556 (3), 7696 (3)   |
| 9282                                | $S_3 \times 4$  | 24    | 2494800 | 10298, 10320, 10319, 10513 (3) | 4974 (4), 5335, 6030, 7328, 7555, 7576, 7577, 7674, 7680, 7694   |
| 9283                                | $2^2 \cdot S_3$ | 24    | 2494800 | 10318, 10320, 10297, 10513 (3) | 4975 (4), 5336, 6030, 7328, 7493, 7554, 7581, 7583, 7673, 7697   |

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| Nr.                                 | Structure       | Order | Length  | Maximal Subgroups                                      | Minimal Overgroups  |
| 9284                                | $2^2 : S_3$     | 24    | 207900  | 10314, 10438 (3),<br>10664 (4)                         | 4976 (2), 6032 (4),<br>6037 (4), 7285, 7423<br>(3), 7444 (6), 7450,<br>7451 (6), 7480 (3),<br>7709 (3), 7779, 7786<br>(6), 7791 (6), 7808<br>(3)                              |
| 9285                                | $A_4 \times 2$  | 24    | 207900  | 10314, 10564, 10668<br>(4)                             | 4977 (2), 6035 (4),<br>6040 (4), 7286, 7424<br>(3), 7447 (6), 7450,<br>7451 (6), 7476 (3),<br>7659 (3), 7777, 7788<br>(6), 7789 (6), 7802<br>(3)                              |
| 9286                                | $2^2 \times 6$  | 24    | 415800  | 10321 (3), 10333 (3),<br>10326, 10506                  | 4978 (2), 5635, 5961<br>(2), 6041, 7294,<br>7414, 7442 (3), 7443<br>(3), 7453 (3), 7455,<br>7456, 7458 (3), 7566<br>(3), 7607, 7617 (3),<br>7620, 7653 (3), 7654,<br>7655 (3) |
| 9287                                | $A_4 \times 2$  | 24    | 831600  | 10327, 10506, 10647<br>(4)                             | 4979 (2), 5634, 5962<br>(2), 6041, 7397 (3),<br>7454 (3), 7457, 7605,<br>7615 (3), 7618, 7651<br>(3)  |
| 9288                                | $2^2 : S_3$     | 24    | 4989600 | 10311, 10482 (3),<br>10662 (4)                         | 4980 (2), 5610, 7288,<br>7459, 7544   |
| 9289                                | $A_4 \times 2$  | 24    | 4989600 | 10311, 10530, 10653<br>(4)                             | 4981 (2), 5605, 7289,<br>7459, 7537   |
| 9290                                | $2^2 \cdot S_3$ | 24    | 1247400 | 10282 (2), 10321,<br>10483 (3)                         | 4982 (2), 5760, 7414,<br>7460, 7461, 7462,<br>7463, 7464, 7465,<br>7653, 7720, 7733,<br>7734, 7736, 7738,<br>7745, 7749   |
| 9291                                | $2^2 \times 6$  | 24    | 1247400 | 10317 (2), 10321,<br>10309 (2), 10330,<br>10329, 10507 | 4984 (2), 5663, 5971<br>(2), 5976 (2), 7295,<br>7296, 7415, 7426,<br>7458, 7462, 7473,<br>7474, 7594, 7620,<br>7665, 7667, 7675,<br>7726, 7749                                |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                    | Minimal Overgroups   |
| 9292                                | $2^2 \cdot S_3$  | 24    | 1247400 | 10287 (2), 10321, 10475 (3)                          | 4985 (2), 5673, 5980 (2), 7298, 7415, 7425, 7453, 7463, 7472, 7475, 7598, 7617, 7665, 7672, 7719, 7735, 7738, 7740                       |
| 9293                                | $S_3 \times 4$   | 24    | 1247400 | 10282, 10322, 10316, 10493 (3)                       | 4986 (2), 5030 (2), 5725, 6194 (2), 7352 (2), 7416, 7465 (2), 7484, 7487, 7635 (2), 7746 (2)   |
| 9294                                | $S_3 \times 2^2$ | 24    | 623700  | 10315 (2), 10300, 10322 (2), 10332, 10321, 10514 (3) | 4988 (4), 5669, 5975 (4), 7296 (2), 7416 (2), 7425 (2), 7455 (2), 7464 (2), 7470, 7590 (4), 7601, 7668 (2), 7713                         |
| 9295                                | $2 \times 12$    | 24    | 1247400 | 10283, 10321, 10316, 10508                           | 4989 (2), 4992 (2), 5674, 5979 (2), 7298, 7416, 7418, 7426, 7456, 7458, 7463, 7465, 7468, 7469, 7471, 7596, 7666, 7725, 7748             |
| 9296                                | $2 \times 12$    | 24    | 623700  | 10292 (2), 10321, 10509                              | 4991 (4), 5761, 7417, 7442 (2), 7460 (2), 7470, 7471, 7472 (2), 7473 (2), 7722, 7731 (2), 7732, 7739, 7751, 7753 (2), 7754 (2), 7760 (2) |
| 9297                                | $2^2 \cdot S_3$  | 24    | 623700  | 10293 (2), 10321, 10473 (3)                          | 4993 (4), 5758, 7418 (2), 7453 (2), 7462 (2), 7466 (2), 7467 (2), 7470, 7718, 7737 (2), 7741, 7757 (4)                                   |
| 9298                                | $2 \times 12$    | 24    | 1247400 | 10283 (2), 10321, 10510                              | 4994 (2), 5764, 7419, 7456, 7464, 7467, 7469, 7473, 7475, 7655, 7726, 7730, 7735, 7736, 7744, 7750, 7752                                 |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                    | Minimal Overgroups   |
| 9299                                | $S_3 \times 4$   | 24    | 2494800 | 10283, 10282, 10322, 10513 (3)                       | 4995 (2), 5767, 7419, 7464, 7465, 7658, 7728, 7742, 7747   |
| 9300                                | $S_3 \times 2^2$ | 24    | 1247400 | 10321, 10322 (2), 10336 (2), 10334, 10335, 10511 (3) | 4996 (2), 5680, 5983 (2), 7299, 7419, 7455, 7465, 7466, 7468, 7472, 7474, 7598, 7654, 7667, 7677, 7724, 7744, 7745 |
| 9301                                | $2^2 : S_3$      | 24    | 83160   | 10313, 10326, 10267, 10516 (3)                       | 5004 (6), 5323 (5), 5852, 6061 (10), 7319 (10), 7443 (15), 7481 (15), 7482, 7507 (10)                              |
| 9302                                | $2^2 : S_3$      | 24    | 2494800 | 10327, 10495 (3), 10634 (4)                          | 5005 (2), 5636, 6042, 6140 (4), 6141 (2), 7397, 7626 (2), 7651 (2)   |
| 9303                                | $2^2 : S_3$      | 24    | 1247400 | 10282, 10328, 10326, 10495 (3)                       | 5006 (2), 5637, 6042, 6139 (2), 6141 (4), 7332 (2), 7443, 7483, 7484, 7628 (2), 7653 (2), 7658 (2)                 |
| 9304                                | $S_3 \times 2^2$ | 24    | 415800  | 10322 (3), 10334 (3), 10326, 10496 (3)               | 5007 (2), 5642, 6043, 6142 (2), 7343 (2), 7455, 7481 (3), 7484 (3), 7567 (6), 7654 (2), 7658 (6)                   |
| 9305                                | $D_8 \times 3$   | 24    | 1247400 | 10283, 10329, 10326, 10520                           | 5008 (2), 5643, 6044, 6143 (4), 6144 (2), 7342 (2), 7458, 7481, 7483, 7568 (2), 7655 (2), 7658 (2)                 |
| 9306                                | $D_8 \times 3$   | 24    | 83160   | 10316, 10326, 10330, 10492                           | 5009 (6), 5325 (5), 6020, 6066 (10), 7321 (10), 7458 (15), 7482, 7484 (15), 7509 (10)                              |
| 9307                                | $S_3 \times 2^2$ | 24    | 27720   | 10315 (3), 10335 (3), 10326, 10522 (3)               | 5010 (6), 5328 (5), 6018, 6064 (10), 6065 (20), 7324 (10), 7455 (15), 7482 (3), 7483 (45), 7511 (30)               |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 9308                                | $2^2 : S_3$      | 24    | 623700  | 10314, 10435 (3),<br>10634 (4)                             | 5011 (4), 6090 (4),<br>6092 (4), 7280, 7485,<br>7486, 7593 (2), 7709,<br>7786 (2), 7787 (2),<br>7788 (2), 7792, 7798<br>(2), 7799 (2), 7801<br>(2), 7802, 7803, 7807<br>(2) |
| 9309                                | $A_4 \times 2$   | 24    | 623700  | 10314, 10517, 10643<br>(4)                                 | 5012 (4), 6093 (4),<br>6098 (4), 7283, 7441,<br>7485, 7600 (2), 7659,<br>7785 (2), 7789 (2),<br>7791 (2), 7795, 7799<br>(2), 7800 (2), 7806<br>(2), 7807 (2), 7808,<br>7809 |
| 9310                                | $A_4 \times 2$   | 24    | 13860   | 10314, 10518, 10642<br>(4)                                 | 5013 (36), 6059 (20),<br>6060 (20), 7277, 7441<br>(45), 7486 (45), 7595<br>(15), 7777 (15), 7779<br>(15), 7780 (15)   |
| 9311                                | $S_3 \times 2^2$ | 24    | 1247400 | 10323 (2), 10307 (2),<br>10330, 10328, 10322,<br>10494 (3) | 5014 (2), 5668, 5973<br>(2), 6172 (2), 7296,<br>7348 (2), 7484, 7488,<br>7667 (2), 7688 (2),<br>7747 (2)  |
| 9312                                | $S_3 \times 2^2$ | 24    | 1247400 | 10329, 10328, 10306<br>(2), 10315, 10331 (2),<br>10519 (3) | 5015 (2), 5667, 5974<br>(2), 6173 (2), 7296,<br>7338 (2), 7483, 7489,<br>7668 (2), 7689 (2),<br>7743 (2)  |
| 9313                                | $2^2 : S_3$      | 24    | 1247400 | 10328, 10333, 10313,<br>10523 (3)                          | 5017 (2), 5696, 6176<br>(2), 7335 (2), 7443,<br>7488, 7489, 7693 (2),<br>7721 (2), 7727 (2)   |
| 9314                                | $S_3 \times 2^2$ | 24    | 1247400 | 10335, 10322, 10336<br>(2), 10333, 10332 (2),<br>10524 (3) | 5018 (2), 5718, 6178<br>(2), 7351 (2), 7455,<br>7487, 7488, 7614 (2),<br>7724 (2), 7742 (2)   |
| 9315                                | $S_3 \times 2^2$ | 24    | 1247400 | 10315, 10334, 10336<br>(2), 10333, 10300 (2),<br>10525 (3) | 5019 (2), 5593, 5946<br>(8), 6101 (2), 7334<br>(2), 7363, 7368 (2),<br>7455, 7489, 7713 (2),<br>7743 (2)  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 9316                                | $D_8 \times 3$   | 24    | 1247400 | 10333, 10316, 10329, 10526                                 | 5020 (2), 5717, 6180 (2), 7349 (2), 7458, 7487, 7489, 7574 (2), 7725 (2), 7746 (2)                         |
| 9317                                | $D_{24}$         | 24    | 1247400 | 10283, 10335, 10328, 10527 (3)                             | 5022 (2), 5709, 6188 (2), 7346 (2), 7468, 7483, 7488, 7690 (2), 7742 (2), 7744 (2)                         |
| 9318                                | $D_{24}$         | 24    | 83160   | 10316, 10335, 10267, 10521 (3)                             | 5023 (6), 5330 (5), 6072 (10), 7326 (10), 7468 (15), 7482, 7487 (15), 7518 (10)                            |
| 9319                                | $D_{24}$         | 24    | 1247400 | 10334, 10316, 10328, 10497 (3)                             | 5024 (2), 5699, 6189 (2), 7339 (2), 7468, 7484, 7489, 7687 (2), 7746 (2), 7748 (2)                         |
| 9320                                | $S_3 \times 4$   | 24    | 1247400 | 10293, 10292, 10332, 10515 (3)                             | 5027 (4), 5769, 7470, 7755 (2), 7756 (2), 7758, 7761, 7762 (2), 7763 (2)                                   |
| 9321                                | $2^2 : S_3$      | 24    | 1247400 | 10282, 10335, 10329, 10474 (3)                             | 5032 (2), 5734, 6199 (2), 7357 (2), 7474, 7483, 7487, 7624 (2), 7742 (2), 7745 (2)                         |
| 9322                                | $2^2 : S_3$      | 24    | 83160   | 10313, 10335, 10330, 10463 (3)                             | 5033 (6), 5332 (5), 6074 (10), 7329 (10), 7474 (15), 7482, 7488 (15), 7516 (10)                            |
| 9323                                | $2^2 : S_3$      | 24    | 1247400 | 10334, 10313, 10329, 10466 (3)                             | 5034 (2), 5742, 6196 (2), 7358 (2), 7474, 7481, 7489, 7573 (2), 7727 (2), 7729 (2)                         |
| 9324                                | $2^2 : S_3$      | 24    | 2494800 | 10318, 10294, 10378, 10565 (3)                             | 5250, 6205, 7320, 7490, 7492, 7493, 7494, 7495, 7496   |
| 9325                                | $S_3 \times 2^2$ | 24    | 4989600 | 10341, 10324, 10375, 10350, 10254, 10296, 10369, 10529 (3) | 5251 (2), 5410, 6050 (2), 6083 (2), 6088 (4), 6136, 7311, 7528, 7545                                       |
| 9326                                | $S_3 \times 2^2$ | 24    | 277200  | 10343 (3), 10353 (3), 10301, 10566 (3)                     | 5296 (6), 5316 (3), 5878 (2), 5879, 6051, 7253 (9), 7254 (3), 7313 (3), 7498 (3), 7501 (3), 7502, 7531 (9) |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 9327                                | $2^2 \times 6$   | 24    | 831600  | 10344 (3), 10376 (3),<br>10301, 10566                            | 5297 (2), 5452, 5453<br>(2), 5879, 6052,<br>7313, 7499 (3), 7532<br>(3), 7533 (3), 7535<br>(3), 7538, 7539   |
| 9328                                | $S_3 \times 2^2$ | 24    | 831600  | 10346 (2), 10302,<br>10343, 10342 (2),<br>10364, 10567 (3)       | 5298 (6), 5317 (3),<br>5895, 7252 (3), 7257<br>(3), 7314 (3), 7498,<br>7500, 7505, 7540 (3)                  |
| 9329                                | $2^2 \times 6$   | 24    | 2494800 | 10302, 10345 (2),<br>10344, 10296 (2),<br>10377, 10567           | 5299 (2), 5513 (2),<br>5514, 5895, 7314,<br>7499, 7525, 7541,<br>7545, 7558, 7560                            |
| 9330                                | $S_3 \times 4$   | 24    | 831600  | 10286, 10303, 10343,<br>10568 (3)                                | 5300 (6), 5320 (3),<br>5899, 7255 (3), 7256<br>(3), 7317 (3), 7498,<br>7503, 7504, 7543 (3)                  |
| 9331                                | $2 \times 12$    | 24    | 2494800 | 10289, 10303, 10344,<br>10568                                    | 5301 (2), 5517, 5518<br>(2), 5899, 7317,<br>7499, 7542, 7552,<br>7553, 7556, 7557                            |
| 9332                                | $A_4 \times 2$   | 24    | 1663200 | 10304, 10566, 10645<br>(4)                                       | 5302 (2), 5454, 5458<br>(2), 5878, 6052, 7530<br>(3), 7534 (3), 7536   |
| 9333                                | $S_3 \times 2^2$ | 24    | 277200  | 10343 (3), 10349 (3),<br>10358, 10569 (3)                        | 5313 (3), 6056, 6154<br>(2), 6155, 7310 (3),<br>7500, 7501 (3), 7503<br>(3), 7621 (9), 7639<br>(3), 7642 (9) |
| 9334                                | $S_3 \times 2^2$ | 24    | 831600  | 10350 (2), 10342 (2),<br>10302, 10349, 10319,<br>10494 (3)       | 5314 (3), 5953 (4),<br>6108, 7311 (3), 7372,<br>7380 (3), 7500, 7506,<br>7545 (3), 7680 (3)                  |
| 9335                                | $S_3 \times 2^2$ | 24    | 831600  | 10362, 10364, 10351<br>(2), 10349, 10342 (2),<br>10570 (3)       | 5315 (3), 6224, 7312<br>(3), 7500, 7508,<br>7517, 7546 (3), 7683<br>(3), 7705 (3)                            |
| 9336                                | $S_3 \times 2^2$ | 24    | 831600  | 10346, 10362, 10351,<br>10350, 10359, 10343,<br>10319, 10571 (3) | 5318 (3), 6225, 7315<br>(3), 7500, 7502,<br>7504, 7528 (3), 7669<br>(3), 7674 (3)                            |

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| Nr.                                 | Structure        | Order | Length | Maximal Subgroups                                    | Minimal Overgroups   |
| 9337                                | $S_3 \times 4$   | 24    | 831600 | 10318, 10343, 10285, 10572 (3)                       | 5319 (3), 6202, 7316 (3), 7492 (3), 7501, 7504, 7505, 7673 (3), 7678 (3)                                 |
| 9338                                | $S_3 \times 2^2$ | 24    | 831600 | 10343, 10351 (2), 10360 (2), 10356, 10352, 10573 (3) | 5321 (3), 6227, 7318 (3), 7502, 7503, 7505, 7670 (3), 7671 (3), 7679 (3)                                 |
| 9339                                | $2^2 : S_3$      | 24    | 831600 | 10318, 10349, 10301, 10495 (3)                       | 5324 (3), 6033, 6117, 7320 (3), 7501, 7506, 7508, 7533 (3), 7583 (3), 7610 (3)                           |
| 9340                                | $S_3 \times 2^2$ | 24    | 277200 | 10319 (3), 10352 (3), 10301, 10496 (3)               | 5327 (3), 6036, 6122, 6123 (2), 7323 (3), 7502, 7506 (3), 7512 (3), 7539 (3), 7576 (9), 7634 (9)         |
| 9341                                | $D_{24}$         | 24    | 831600 | 10303, 10352, 10349, 10497 (3)                       | 5329 (3), 6211, 7325 (3), 7503, 7506, 7517, 7553 (3), 7681 (3), 7702 (3)                                 |
| 9342                                | $2^2 : S_3$      | 24    | 831600 | 10352, 10318, 10302, 10439 (3)                       | 5333 (3), 6212, 7330 (3), 7493 (3), 7505, 7506, 7515, 7558 (3), 7699 (3)                                 |
| 9343                                | $D_8 \times 3$   | 24    | 831600 | 10285, 10358, 10301, 10516                           | 5341 (3), 5913, 5914, 6099, 7331 (3), 7501, 7510, 7512, 7535 (3), 7569 (3), 7570 (3)                     |
| 9344                                | $D_8 \times 3$   | 24    | 831600 | 10284, 10357, 10326, 10516                           | 5342 (3), 5911, 5912, 6008 (6), 6061 (3), 6099, 7319, 7332 (3), 7509, 7511, 7566 (3), 7567 (3), 7568 (3) |
| 9345                                | $S_3 \times 2^2$ | 24    | 831600 | 10359 (2), 10356, 10319, 10360 (2), 10353, 10546 (3) | 5343 (3), 5952 (4), 6109, 7333 (3), 7372, 7381 (3), 7502, 7514, 7548 (3), 7694 (3)                       |
| 9346                                | $S_3 \times 2^2$ | 24    | 831600 | 10306 (2), 10354, 10315, 10361 (2), 10355, 10542 (3) | 5344 (3), 5944 (4), 6070 (3), 6102, 7324, 7334 (3), 7366, 7383 (3), 7513, 7668 (3), 7689 (3)             |

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| Nr.                                 | Structure        | Order | Length | Maximal Subgroups                      | Minimal Overgroups   |
| 9347                                | $2^2 : S_3$      | 24    | 831600 | 10354, 10313, 10357, 10462 (3)         | 5345 (3), 6012, 6067 (3), 6110, 7319, 7335 (3), 7513, 7516, 7573 (3), 7592 (3), 7611 (3)                   |
| 9348                                | $2^2 : S_3$      | 24    | 831600 | 10318, 10353, 10358, 10438 (3)         | 5346 (3), 6032, 6119, 7336 (3), 7490 (3), 7501, 7514, 7515, 7581 (3), 7643 (3)                             |
| 9349                                | $S_3 \times 2^2$ | 24    | 277200 | 10319 (3), 10364 (3), 10358, 10564 (3) | 5347 (3), 6035, 6120, 6121 (2), 7337 (3), 7500, 7512 (3), 7514 (3), 7527 (3), 7577 (9), 7629 (9)           |
| 9350                                | $S_3 \times 2^2$ | 24    | 277200 | 10315 (3), 10357, 10363 (3), 10536 (3) | 5348 (3), 5858 (2), 5927 (9), 6017, 6114, 7292, 7338 (3), 7368 (9), 7383 (9), 7511 (3), 7513 (3), 7601 (3) |
| 9351                                | $D_8 \times 3$   | 24    | 831600 | 10355, 10316, 10357, 10521             | 5349 (3), 6019, 6072 (3), 6115, 7326, 7339 (3), 7509, 7513, 7574 (3), 7596 (3), 7635 (3)                   |
| 9352                                | $D_8 \times 3$   | 24    | 831600 | 10356, 10303, 10358, 10521             | 5350 (3), 6034, 6115, 7340 (3), 7503, 7510, 7514, 7552 (3), 7575 (3), 7630 (3)                             |
| 9353                                | $2^2 : S_3$      | 24    | 831600 | 10364, 10286, 10301, 10574 (3)         | 5351 (3), 5421 (6), 5881, 6053, 7341 (3), 7498, 7508, 7512, 7532 (3), 7613 (3), 7638 (3)                   |
| 9354                                | $2^2 : S_3$      | 24    | 831600 | 10287, 10363, 10326, 10520 (3)         | 5352 (3), 6022, 6062 (3), 6063 (6), 6144, 7321, 7342 (3), 7507, 7511, 7567 (3), 7617 (3), 7628 (3)         |

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| Nr.                                 | Structure        | Order | Length | Maximal Subgroups  | Minimal Overgroups  |
| 9355                                | $2^2 \times 6$   | 24    | 277200 | 10317 (3), 10355 (3),<br>10326, 10522                      | 5353 (3), 6023, 6064<br>(3), 6146 (2), 6147,<br>7324, 7343 (3), 7507<br>(3), 7509 (3), 7568<br>(9), 7620 (3), 7628<br>(9) |
| 9356                                | $2^2 \times 6$   | 24    | 277200 | 10362 (3), 10356 (3),<br>10301, 10522                      | 5354 (3), 6054, 6145<br>(2), 6147, 7344 (3),<br>7502, 7508 (3), 7510<br>(3), 7538 (3), 7612<br>(9), 7623 (9)              |
| 9357                                | $2^2 : S_3$      | 24    | 831600 | 10286, 10358, 10352,<br>10443 (3)                          | 5355 (3), 6058, 6157,<br>7345 (3), 7503, 7512,<br>7515, 7550 (3), 7633<br>(3), 7641 (3)                                   |
| 9358                                | $2^2 : S_3$      | 24    | 831600 | 10357, 10287, 10335,<br>10476 (3)                          | 5356 (3), 6057, 6071<br>(3), 6151, 7326, 7346<br>(3), 7511, 7516, 7598<br>(3), 7614 (3), 7624<br>(3)                      |
| 9359                                | $2^2 \times 6$   | 24    | 277200 | 10302 (3), 10362 (3),<br>10358, 10518                      | 5357 (3), 6060, 6152<br>(2), 6153, 7347 (3),<br>7500, 7510 (3), 7515<br>(3), 7525 (3), 7632<br>(9), 7640 (9)              |
| 9360                                | $2^2 \times 6$   | 24    | 277200 | 10330 (3), 10317 (3),<br>10357, 10518                      | 5358 (3), 5859 (2),<br>5928 (9), 6059, 6153,<br>7292, 7348 (3), 7369<br>(9), 7382 (9), 7509<br>(3), 7516 (3), 7594<br>(3) |
| 9361                                | $D_{24}$         | 24    | 831600 | 10354, 10316, 10363,<br>10526 (3)                          | 5363 (3), 6069 (3),<br>6180, 7321, 7349 (3),<br>7513, 7518, 7635 (3),<br>7666 (3), 7687 (3)                               |
| 9362                                | $D_{24}$         | 24    | 831600 | 10303, 10353, 10364,<br>10575 (3)                          | 5364 (3), 5468 (6),<br>5905, 7350 (3), 7498,<br>7514, 7517, 7542 (3),<br>7695 (3), 7708 (3)                               |
| 9363                                | $S_3 \times 2^2$ | 24    | 831600 | 10317, 10323 (2),<br>10335, 10361 (2),<br>10354, 10542 (3) | 5365 (3), 6070 (3),<br>6179, 7324, 7351 (3),<br>7516, 7518, 7624 (3),<br>7667 (3), 7690 (3)                               |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 9364                                | $S_3 \times 2^2$ | 24    | 831600  | 10362, 10346 (2),<br>10360 (2), 10353,<br>10352, 10551 (3) | 5366 (3), 6226, 7290<br>(3), 7502, 7515,<br>7517, 7549 (3), 7698<br>(3), 7706 (3)           |
| 9365                                | $2 \times 12$    | 24    | 831600  | 10303, 10285, 10362,<br>10504                              | 5367 (3), 6195, 7353<br>(3), 7504, 7510,<br>7517, 7557 (3), 7685<br>(3), 7703 (3)           |
| 9366                                | $2^2 \cdot S_3$  | 24    | 831600  | 10318, 10286, 10362,<br>10440 (3)                          | 5368 (3), 6223, 7355<br>(3), 7496 (3), 7504,<br>7508, 7515, 7554 (3),<br>7701 (3)           |
| 9367                                | $D_{24}$         | 24    | 831600  | 10285, 10352, 10364,<br>10576 (3)                          | 5369 (3), 6203, 7356<br>(3), 7505, 7512,<br>7517, 7559 (3), 7692<br>(3), 7704 (3)           |
| 9368                                | $D_{24}$         | 24    | 831600  | 10335, 10284, 10363,<br>10577 (3)                          | 5370 (3), 6073 (3),<br>6197, 7329, 7357 (3),<br>7511, 7518, 7614 (3),<br>7677 (3), 7690 (3) |
| 9369                                | $2^2 : S_3$      | 24    | 831600  | 10313, 10355, 10363,<br>10577 (3)                          | 5371 (3), 6073 (3),<br>6198, 7329, 7358 (3),<br>7507, 7513, 7611 (3),<br>7676 (3), 7693 (3) |
| 9370                                | $2^2 : S_3$      | 24    | 831600  | 10318, 10356, 10364,<br>10578 (3)                          | 5372 (3), 6213, 7359<br>(3), 7495 (3), 7505,<br>7508, 7514, 7561 (3),<br>7697 (3)           |
| 9371                                | $S_3 \times 2^2$ | 24    | 9979200 | 10262, 10337 (2),<br>10368 (2), 10367,<br>10366, 10579 (3) | 5373, 5374 (2), 6086,<br>6089 (2), 7388   |
| 9372                                | $2^2 \times 6$   | 24    | 831600  | 10344 (3), 10358,<br>10294 (3), 10569                      | 5383, 6096, 6155,<br>7310, 7490 (3), 7525,<br>7527, 7535 (3), 7550<br>(3), 7552 (3)         |
| 9373                                | $A_4 \times 2$   | 24    | 2494800 | 10312, 10580, 10666<br>(4)                                 | 5384 (2), 5385, 5386,<br>5387, 7272, 7520,<br>7522, 7523, 7526,<br>7562, 7565               |
| 9374                                | $A_4 \times 2$   | 24    | 1663200 | 10257, 10569, 10666<br>(4)                                 | 5386, 6096, 6154,<br>7491 (3), 7524, 7563<br>(3)  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 9375                                | $S_3 \times 2^2$ | 24    | 2494800 | 10341 (2), 10319, 10370 (2), 10294, 10374, 10548 (3)       | 5390, 5955 (4), 6107, 7311, 7374, 7381, 7494, 7527, 7528, 7576                           |
| 9376                                | $S_3 \times 2^2$ | 24    | 2494800 | 10370 (2), 10381 (2), 10294, 10364, 10395, 10581 (3)       | 5391, 6219, 7252, 7312, 7495, 7527, 7613, 7704, 7708                                     |
| 9377                                | $2^2 \times 6$   | 24    | 2494800 | 10362, 10377, 10296 (2), 10294, 10380 (2), 10570           | 5392, 6224, 7312, 7496, 7525, 7528, 7612, 7703, 7706                                     |
| 9378                                | $2^2 : S_3$      | 24    | 9979200 | 10371, 10561 (3), 10661 (4)                                | 5416, 5417, 5418, 6076, 7529   |
| 9379                                | $2^2 : S_3$      | 24    | 1663200 | 10304, 10574 (3), 10661 (4)                                | 5416 (6), 5603 (3), 5880, 6053, 7530 (3), 7572, 7636 (3)                                 |
| 9380                                | $D_8 \times 3$   | 24    | 2494800 | 10289, 10301, 10377, 10574                                 | 5419 (2), 5645, 5880 (2), 5881, 6077, 7341, 7499, 7531, 7570, 7610, 7612, 7634           |
| 9381                                | $2^2 : S_3$      | 24    | 2494800 | 10320, 10301, 10374, 10520 (3)                             | 5422 (4), 5423 (2), 5611, 6038, 6062, 6080 (2), 7322, 7531, 7532, 7569, 7576, 7583, 7623 |
| 9382                                | $2^2 : S_3$      | 24    | 4989600 | 10304, 10520 (3), 10662 (4)                                | 5424 (2), 5425 (4), 5610, 6038, 6063 (2), 6080, 7530, 7582, 7622                         |
| 9383                                | $2^2 : S_3$      | 24    | 9979200 | 10371, 10560 (3), 10662 (4)                                | 5424, 5425, 5426, 6079, 7529   |
| 9384                                | $S_3 \times 2^2$ | 24    | 2494800 | 10372 (2), 10261 (2), 10378, 10353, 10344, 10582 (3)       | 5436 (2), 5507, 5892, 7313, 7490, 7541, 7542, 7547, 7548, 7549                           |
| 9385                                | $S_3 \times 2^2$ | 24    | 2494800 | 10373 (2), 10261 (2), 10378, 10376, 10343, 10582 (3)       | 5437 (2), 5657, 5892, 7313, 7492, 7540, 7543, 7621, 7669, 7670                           |
| 9386                                | $S_3 \times 2^2$ | 24    | 4989600 | 10346, 10375, 10347, 10296, 10370, 10379, 10372, 10583 (3) | 5438 (2), 5512, 5893, 7252, 7314, 7528   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 9387                                | $S_3 \times 2^2$ | 24    | 4989600 | 10345, 10375, 10348, 10342, 10369, 10379, 10373, 10583 (3) | 5439 (2), 5660, 5893, 7314, 7545, 7546                                   |
| 9388                                | $S_3 \times 2^2$ | 24    | 2494800 | 10347 (2), 10374, 10369 (2), 10377, 10343, 10584 (3)       | 5443 (2), 5659, 5896, 7314, 7528, 7531, 7543, 7639, 7678, 7679           |
| 9389                                | $S_3 \times 2^2$ | 24    | 2494800 | 10348 (2), 10374, 10370 (2), 10364, 10344, 10584 (3)       | 5444 (2), 5515, 5896, 7314, 7527, 7532, 7542, 7546, 7559, 7561           |
| 9390                                | $S_3 \times 4$   | 24    | 2494800 | 10289, 10320, 10343, 10585 (3)                             | 5446 (2), 5675, 5900, 7317, 7531, 7540, 7642, 7671, 7673, 7674           |
| 9391                                | $2^2 \cdot S_3$  | 24    | 2494800 | 10286, 10320, 10344, 10585 (3)                             | 5447 (2), 5516, 5900, 7317, 7532, 7541, 7550, 7551, 7554, 7555           |
| 9392                                | $A_4 \times 2$   | 24    | 4989600 | 10311, 10586, 10645 (4)                                    | 5454, 5456 (2), 5457 (2), 7271, 7537, 7544                               |
| 9393                                | $2^2 : S_3$      | 24    | 2494800 | 10376, 10320, 10364, 10587 (3)                             | 5460 (2), 5715, 5902, 7350, 7532, 7540, 7577, 7697, 7704, 7705           |
| 9394                                | $2^2 : S_3$      | 24    | 2494800 | 10353, 10320, 10377, 10587 (3)                             | 5461 (2), 5716, 5902, 7350, 7531, 7541, 7581, 7694, 7706, 7707           |
| 9395                                | $D_8 \times 3$   | 24    | 2494800 | 10376, 10303, 10377, 10575                                 | 5469 (2), 5714, 5905, 7350, 7499, 7543, 7575, 7696, 7702, 7703           |
| 9396                                | $D_{24}$         | 24    | 2494800 | 10303, 10378, 10374, 10526 (3)                             | 5470 (4), 5471 (2), 5683, 6069, 7322, 7494, 7542, 7543, 7630, 7681, 7685 |
| 9397                                | $2^2 : S_3$      | 24    | 2494800 | 10320, 10378, 10302, 10436 (3)                             | 5473 (4), 5474 (2), 5682, 6068, 7322, 7493, 7540, 7541, 7632, 7680, 7686 |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 9398                                | $2^2 : S_3$      | 24    | 2494800 | 10286, 10378, 10377,<br>10588 (3)                                | 5480 (2), 5705, 5906,<br>7341, 7496, 7541,<br>7543, 7633, 7684,<br>7691 |
| 9399                                | $D_{24}$         | 24    | 2494800 | 10289, 10378, 10364,<br>10588 (3)                                | 5481 (2), 5704, 5906,<br>7341, 7495, 7540,<br>7542, 7629, 7683,<br>7692 |
| 9400                                | $S_3 \times 2^2$ | 24    | 2494800 | 10344, 10394, 10373<br>(2), 10349, 10254 (2),<br>10528 (3)       | 5488 (2), 5489, 6215,<br>7310, 7533, 7545,<br>7546, 7547, 7551,<br>7553 |
| 9401                                | $S_3 \times 2^2$ | 24    | 4989600 | 10369, 10351, 10370,<br>10254, 10379, 10380,<br>10265, 10589 (3) | 5490, 6229, 7312,<br>7528, 7546   |
| 9402                                | $2^2 \times 6$   | 24    | 2494800 | 10297, 10385, 10380,<br>10295, 10362, 10344,<br>10345, 10571     | 5493, 6225, 7315,<br>7525, 7538, 7546,<br>7549, 7554, 7557              |
| 9403                                | $S_3 \times 2^2$ | 24    | 2494800 | 10319, 10386, 10381,<br>10341, 10395, 10344,<br>10348, 10531 (3) | 5494 (2), 5495, 6220,<br>7315, 7527, 7539,<br>7545, 7548, 7555,<br>7556 |
| 9404                                | $S_3 \times 2^2$ | 24    | 2494800 | 10324, 10359, 10372,<br>10341, 10347, 10380,<br>10265, 10590 (3) | 5496, 6231, 7315,<br>7528 (2), 7548 (2)                                 |
| 9405                                | $S_3 \times 2^2$ | 24    | 2494800 | 10325, 10387, 10381,<br>10295, 10264, 10372,<br>10346, 10583 (3) | 5497, 6230, 7252 (2),<br>7315, 7549 (2)                                 |
| 9406                                | $2 \times 12$    | 24    | 2494800 | 10285, 10344, 10298,<br>10572                                    | 5498, 6202, 7316,<br>7535, 7547, 7555,<br>7557, 7559, 7560              |
| 9407                                | $2^2 \cdot S_3$  | 24    | 2494800 | 10288, 10344, 10318,<br>10532 (3)                                | 5499, 5500 (2), 6214,<br>7316, 7490, 7533,<br>7554, 7556, 7558,<br>7561 |
| 9408                                | $S_3 \times 2^2$ | 24    | 2494800 | 10344, 10381 (2),<br>10352, 10392 (2),<br>10384, 10533 (3)       | 5501 (2), 5502, 6218,<br>7318, 7539, 7549,<br>7550, 7553, 7558,<br>7559 |
| 9409                                | $S_3 \times 2^2$ | 24    | 4989600 | 10372, 10381, 10393,<br>10380, 10390, 10266,<br>10360, 10591 (3) | 5503, 6232, 7318,<br>7548, 7549   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                    | Minimal Overgroups   |
| 9410                                | $2^2 \times 6$   | 24    | 2494800 | 10380 (2), 10356, 10344, 10391 (2), 10299, 10573     | 5504, 6227, 7318, 7538, 7548, 7551, 7552, 7560, 7561                     |
| 9411                                | $S_3 \times 2^2$ | 24    | 2494800 | 10383, 10389 (2), 10306 (2), 10382, 10300, 10529 (3) | 5585, 5853 (4), 6049 (8), 6050 (4), 6131 (2), 7334 (2), 7391 (2), 7668   |
| 9412                                | $S_3 \times 2^2$ | 24    | 2494800 | 10317, 10334, 10389 (2), 10354, 10307 (2), 10525 (3) | 5592, 5945 (4), 6101, 6185, 7334, 7343, 7367, 7382, 7573, 7667, 7687     |
| 9413                                | $2^2 \times 6$   | 24    | 2494800 | 10309 (2), 10383 (2), 10317, 10333, 10355, 10542     | 5594, 5947 (4), 6102, 6179, 7334, 7351, 7369, 7384, 7574, 7620, 7693     |
| 9414                                | $2^2 \times 6$   | 24    | 2494800 | 10385 (2), 10356, 10297, 10391 (2), 10376, 10546     | 5595, 5954 (4), 6109, 7333, 7373, 7379, 7538, 7575, 7670, 7697           |
| 9415                                | $S_3 \times 2^2$ | 24    | 2494800 | 10386 (2), 10376, 10319, 10392 (2), 10384, 10547 (3) | 5596, 5956 (4), 6106, 7333, 7374, 7380, 7539, 7577, 7669, 7696           |
| 9416                                | $S_3 \times 2^2$ | 24    | 2494800 | 10387 (2), 10393 (2), 10297, 10384, 10353, 10547 (3) | 5597, 5958 (4), 6106, 7254, 7333, 7375, 7378, 7549, 7581, 7695           |
| 9417                                | $S_3 \times 2^2$ | 24    | 2494800 | 10369 (2), 10374, 10297, 10255 (2), 10349, 10548 (3) | 5598, 5957 (4), 6107, 7311, 7375, 7379, 7546, 7583, 7639, 7681           |
| 9418                                | $D_8 \times 3$   | 24    | 1247400 | 10292, 10388 (2), 10552                              | 5599, 6010 (4), 7267 (2), 7268 (2), 7571, 7584 (2), 7587 (2), 7731, 7758 |
| 9419                                | $2^2 : S_3$      | 24    | 1663200 | 10304, 10495 (3), 10638 (4)                          | 5601 (3), 6033, 6116, 7534 (3), 7572, 7582 (3)                           |
| 9420                                | $2^2 : S_3$      | 24    | 1663200 | 10257, 10438 (3), 10637 (4)                          | 5602 (3), 6032, 6118, 7491 (3), 7578 (3), 7579                           |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                     | Minimal Overgroups   |
| 9421                                | $2^2 : S_3$    | 24    | 4989600 | 10311, 10490 (3),<br>10661 (4)        | 5603, 7289, 7544,<br>7637  |
| 9422                                | $2^2 : S_3$    | 24    | 1663200 | 10327, 10520 (3),<br>10667 (4)        | 5604 (3), 6022, 6063<br>(3), 6080 (6), 6143,<br>7396, 7615 (3), 7626<br>(3)                      |
| 9423                                | $A_4 \times 2$ | 24    | 554400  | 10304, 10522, 10653<br>(4)            | 5605 (3), 6054, 6145,<br>6146 (2), 7536 (3),<br>7572 (3), 7622 (9)                               |
| 9424                                | $2^2 \times 6$ | 24    | 831600  | 10329 (3), 10317 (3),<br>10357, 10536 | 5606, 5930 (3), 6024,<br>6114, 7293, 7338,<br>7568 (3), 7573 (3),<br>7574 (3), 7594, 7624<br>(3) |
| 9425                                | $A_4 \times 2$ | 24    | 554400  | 10327, 10522, 10646<br>(4)            | 5607 (3), 6023, 6065<br>(3), 6145 (2), 6146,<br>7396 (3), 7618 (3),<br>7626 (9)                  |
| 9426                                | $D_8 \times 3$ | 24    | 2494800 | 10376, 10298, 10358,<br>10438         | 5609, 6037, 6118 (2),<br>6119, 7336, 7535,<br>7575, 7577, 7621,<br>7640, 7641                    |
| 9427                                | $2^2 : S_3$    | 24    | 1663200 | 10257, 10443 (3),<br>10659 (4)        | 5612 (3), 6058, 6156,<br>7563 (3), 7579, 7631<br>(3)   |
| 9428                                | $2^2 : S_3$    | 24    | 4989600 | 10312, 10592 (3),<br>10659 (4)        | 5612, 5622, 5746,<br>7562, 7580, 7585  |
| 9429                                | $2^2 : S_3$    | 24    | 2494800 | 10320, 10384, 10358,<br>10445 (3)     | 5613, 6039, 6112,<br>6113 (2), 7340, 7550,<br>7569, 7577, 7581,<br>7632, 7642                    |
| 9430                                | $A_4 \times 2$ | 24    | 4989600 | 10311, 10593, 10651<br>(4)            | 5614, 7288, 7537,<br>7637  |
| 9431                                | $A_4 \times 2$ | 24    | 4989600 | 10312, 10594, 10660<br>(4)            | 5616, 5626, 5745,<br>7523, 7580, 7585  |
| 9432                                | $A_4 \times 2$ | 24    | 1663200 | 10257, 10564, 10660<br>(4)            | 5616, 6040, 6121,<br>7524, 7578 (3), 7631<br>(3)   |
| 9433                                | $2^2 \times 6$ | 24    | 831600  | 10297 (3), 10377 (3),<br>10358, 10564 | 5617, 6040, 6120,<br>7337, 7525, 7570 (3),<br>7575 (3), 7581 (3),<br>7633 (3), 7639              |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 9434                                | $S_3 \times 2^2$ | 24    | 4989600 | 10309, 10389, 10323, 10361, 10382, 10336, 10307, 10529 (3) | 5618, 6075 (2), 6083 (2), 6131, 6186, 7334, 7351, 7667   |
| 9435                                | $2^2 : S_3$      | 24    | 2494800 | 10293, 10388, 10396, 10561 (3)                             | 5623, 6076 (2), 7571, 7587, 7589, 7591, 7715, 7756, 7757   |
| 9436                                | $S_3 \times 2^2$ | 24    | 415800  | 10396 (6), 10388, 10562 (3)                                | 5624, 6078 (4), 7399, 7587 (6), 7591 (6), 7714 (3), 7715 (3)   |
| 9437                                | $2^2 : S_3$      | 24    | 2494800 | 10293, 10388, 10332, 10560 (3)                             | 5625, 6079 (2), 7587, 7589, 7590, 7718, 7755, 7756, 7758   |
| 9438                                | $D_8 \times 3$   | 24    | 2494800 | 10292, 10388, 10321, 10557                                 | 5627, 6081 (2), 7584, 7590, 7591, 7722, 7731, 7755, 7757   |
| 9439                                | $S_3 \times 2^2$ | 24    | 415800  | 10300 (3), 10396 (3), 10388, 10559 (3)                     | 5628, 6082 (4), 7399, 7571 (6), 7590 (6), 7712 (3), 7713 (3)   |
| 9440                                | $S_3 \times 2^2$ | 24    | 4989600 | 10359, 10386, 10391, 10324, 10261, 10393, 10390, 10579 (3) | 5629, 6084 (2), 6085 (2), 6089 (4), 6137, 7333, 7548, 7669   |
| 9441                                | $S_3 \times 2^2$ | 24    | 4989600 | 10385, 10360, 10387, 10390, 10261, 10392, 10325, 10579 (3) | 5630, 6084 (2), 6086 (2), 6137, 7333, 7549, 7670   |
| 9442                                | $A_4 \times 2$   | 24    | 207900  | 10314, 10535, 10641 (4)                                    | 5631, 6055 (4), 6087 (4), 7274, 7519 (6), 7593 (6), 7595, 7597, 7599 (6), 7600 (6), 7659 (3), 7660 (3), 7709 (3), 7710 (3) |
| 9443                                | $2^2 \times 6$   | 24    | 207900  | 10321 (3), 10357 (4), 10535                                | 5632, 5925 (4), 6087 (4), 7291, 7566 (6), 7592 (6), 7594, 7596 (6), 7598 (6), 7601, 7722 (3), 7734 (3), 7741 (3), 7752 (3) |
| 9444                                | $A_4 \times 2$   | 24    | 1247400 | 10310, 10595, 10647 (4)                                    | 5634, 7273, 7401, 7402, 7606, 7616, 7619, 7644, 7645, 7646, 7647, 7648, 7649, 7650, 7652, 7656                             |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 9445                                | $2^2 : S_3$      | 24    | 4989600 | 10304, 10495 (3),<br>10635 (4)                             | 5638, 6091, 6140,<br>6141 (2), 7534, 7622,<br>7636  |
| 9446                                | $2^2 : S_3$      | 24    | 2494800 | 10288, 10394, 10301,<br>10495 (3)                          | 5639, 6091, 6139,<br>6140 (2), 7253, 7331,<br>7533, 7623, 7625,<br>7634, 7638   |
| 9447                                | $2^2 : S_3$      | 24    | 2494800 | 10378, 10288, 10358,<br>10435 (3)                          | 5641, 6092, 6148 (2),<br>6149, 7331, 7490,<br>7621, 7629, 7630,<br>7632, 7633   |
| 9448                                | $S_3 \times 2^2$ | 24    | 831600  | 10322 (3), 10363 (3),<br>10357, 10517 (3)                  | 5644, 5929 (3), 6093,<br>6150, 7293, 7348,<br>7567 (3), 7601, 7611<br>(3), 7614 (3), 7635<br>(3)                        |
| 9449                                | $S_3 \times 2^2$ | 24    | 831600  | 10395 (3), 10384 (3),<br>10301, 10496 (3)                  | 5646, 6095, 6142,<br>7254, 7344, 7539,<br>7569 (3), 7610 (3),<br>7613 (3), 7625 (3)                                     |
| 9450                                | $S_3 \times 2^2$ | 24    | 831600  | 10374 (3), 10395 (3),<br>10358, 10517 (3)                  | 5647, 6098, 6150,<br>7347, 7527, 7569 (3),<br>7630 (3), 7639, 7641<br>(3), 7643 (3)                                     |
| 9451                                | $D_8 \times 3$   | 24    | 2494800 | 10289, 10358, 10299,<br>10443                              | 5648, 6097, 6156 (2),<br>6157, 7345, 7552,<br>7570, 7629, 7640,<br>7642, 7643   |
| 9452                                | $S_3 \times 2^2$ | 24    | 2494800 | 10395, 10377, 10369<br>(2), 10349, 10256 (2),<br>10581 (3) | 5656, 6219, 7312,<br>7545, 7610, 7639,<br>7684, 7702, 7707  |
| 9453                                | $S_3 \times 2^2$ | 24    | 1247400 | 10328 (2), 10321,<br>10382 (2), 10354 (2),<br>10541 (3)    | 5658, 5969 (2), 7294,<br>7592, 7653, 7664,<br>7665, 7666, 7667,<br>7668, 7721, 7732,<br>7733, 7735, 7737,<br>7744, 7748 |
| 9454                                | $S_3 \times 2^2$ | 24    | 2494800 | 10323 (2), 10331 (2),<br>10317, 10363, 10328,<br>10519 (3) | 5661, 5970 (2), 6173,<br>6174, 7295, 7338,<br>7348, 7628, 7687,<br>7690, 7693   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 9455                                | $S_3 \times 2^2$ | 24    | 623700  | 10363 (4), 10332 (2),<br>10321, 10549 (3)                        | 5662, 5972 (4), 7295<br>(2), 7601, 7617 (2),<br>7666 (2), 7676 (2),<br>7677 (2), 7718, 7736<br>(2), 7739, 7755 (4)      |
| 9456                                | $S_3 \times 2^2$ | 24    | 2494800 | 10265, 10348, 10325,<br>10255, 10351, 10385,<br>10373, 10590 (3) | 5664, 6231, 7315,<br>7546 (2), 7670 (2)   |
| 9457                                | $S_3 \times 2^2$ | 24    | 2494800 | 10345, 10264, 10324,<br>10350, 10373, 10386,<br>10256, 10583 (3) | 5666, 6230, 7315,<br>7545 (2), 7669 (2)   |
| 9458                                | $S_3 \times 2^2$ | 24    | 4989600 | 10351, 10373, 10266,<br>10256, 10390, 10391,<br>10392, 10591 (3) | 5677, 6232, 7318,<br>7669, 7670   |
| 9459                                | $S_3 \times 2^2$ | 24    | 2494800 | 10322, 10329, 10389<br>(2), 10328, 10361 (2),<br>10548 (3)       | 5678, 5982 (2), 7299,<br>7658, 7667, 7668,<br>7727, 7742, 7746  |
| 9460                                | $2^2 \times 6$   | 24    | 1247400 | 10321, 10329 (2),<br>10383 (2), 10355 (2),<br>10545              | 5679, 5981 (2), 7299,<br>7596, 7620, 7655,<br>7668, 7672, 7675,<br>7676, 7725, 7729,<br>7737, 7738, 7745,<br>7750, 7751 |
| 9461                                | $D_{24}$         | 24    | 2494800 | 10298, 10349, 10378,<br>10565 (3)                                | 5681, 6205, 7320,<br>7547, 7621, 7680,<br>7681, 7683, 7684  |
| 9462                                | $S_3 \times 2^2$ | 24    | 2494800 | 10324 (2), 10319,<br>10299, 10378, 10266<br>(2), 10596 (3)       | 5684, 6206, 7323,<br>7494, 7548, 7629,<br>7669, 7680, 7691  |
| 9463                                | $S_3 \times 2^2$ | 24    | 2494800 | 10325 (2), 10297,<br>10266 (2), 10378,<br>10352, 10596 (3)       | 5685, 6206, 7323,<br>7493, 7549, 7633,<br>7670, 7681, 7692  |
| 9464                                | $2^2 : S_3$      | 24    | 2494800 | 10320, 10299, 10349,<br>10597 (3)                                | 5686, 6209, 7325,<br>7551, 7583, 7642,<br>7680, 7705, 7707  |
| 9465                                | $2^2 : S_3$      | 24    | 2494800 | 10320, 10352, 10294,<br>10597 (3)                                | 5687, 6209, 7325,<br>7493, 7550, 7576,<br>7671, 7704, 7706  |
| 9466                                | $2^2 : S_3$      | 24    | 2494800 | 10299, 10318, 10374,<br>10487 (3)                                | 5689, 6210, 7330,<br>7494, 7561, 7583,<br>7643, 7678, 7701  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                    | Minimal Overgroups   |
| 9467                                | $D_{24}$         | 24    | 2494800 | 10352, 10298, 10374, 10487 (3)                       | 5691, 6210, 7330, 7559, 7576, 7641, 7679, 7681, 7698       |
| 9468                                | $D_{24}$         | 24    | 2494800 | 10394, 10378, 10285, 10523 (3)                       | 5692, 6181, 7331, 7492, 7547, 7685, 7686, 7691, 7692       |
| 9469                                | $D_{24}$         | 24    | 2494800 | 10328, 10354, 10284, 10523 (3)                       | 5693, 6176, 6181, 7332, 7335, 7664, 7687, 7688, 7689, 7690 |
| 9470                                | $D_{24}$         | 24    | 2494800 | 10353, 10298, 10394, 10478 (3)                       | 5694, 6204, 7253, 7336, 7547, 7694, 7695, 7698, 7700       |
| 9471                                | $2^2 : S_3$      | 24    | 2494800 | 10376, 10318, 10394, 10478 (3)                       | 5695, 6204, 7336, 7492, 7533, 7696, 7697, 7699, 7701       |
| 9472                                | $S_3 \times 2^2$ | 24    | 2494800 | 10319, 10324 (2), 10379 (2), 10394, 10377, 10581 (3) | 5697, 6207, 7337, 7528, 7545, 7634, 7691, 7694, 7696       |
| 9473                                | $S_3 \times 2^2$ | 24    | 2494800 | 10325 (2), 10379 (2), 10297, 10364, 10394, 10581 (3) | 5698, 6207, 7252, 7337, 7546, 7638, 7692, 7695, 7697       |
| 9474                                | $2^2 : S_3$      | 24    | 2494800 | 10328, 10287, 10355, 10527 (3)                       | 5700, 6187, 6188, 7339, 7346, 7628, 7672, 7688, 7689, 7693 |
| 9475                                | $D_{24}$         | 24    | 2494800 | 10394, 10384, 10303, 10497 (3)                       | 5701, 6189, 7255, 7340, 7553, 7625, 7685, 7695, 7696       |
| 9476                                | $2^2 : S_3$      | 24    | 2494800 | 10394, 10320, 10356, 10527 (3)                       | 5702, 6187, 7340, 7551, 7623, 7671, 7686, 7694, 7697       |
| 9477                                | $2^2 : S_3$      | 24    | 2494800 | 10287, 10329, 10354, 10480 (3)                       | 5703, 6177, 6182, 7342, 7349, 7573, 7624, 7665, 7682, 7689 |
| 9478                                | $S_3 \times 2^2$ | 24    | 2494800 | 10395, 10356, 10390 (2), 10378, 10265 (2), 10524 (3) | 5706, 6183, 7344, 7495, 7548, 7630, 7670, 7684, 7686       |
| 9479                                | $S_3 \times 2^2$ | 24    | 2494800 | 10384, 10362, 10390 (2), 10378, 10264 (2), 10525 (3) | 5707, 6185, 7344, 7496, 7549, 7632, 7669, 7683, 7685       |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                    | Minimal Overgroups   |
| 9480                                | $S_3 \times 2^2$ | 24    | 2494800 | 10355, 10322, 10389 (2), 10354, 10331 (2), 10524 (3) | 5708, 6178, 6183, 7343, 7351, 7611, 7635, 7668, 7682, 7688 |
| 9481                                | $D_{24}$         | 24    | 2494800 | 10289, 10394, 10352, 10481 (3)                       | 5710, 6217, 7345, 7553, 7634, 7671, 7692, 7698, 7699       |
| 9482                                | $2^2 : S_3$      | 24    | 2494800 | 10286, 10394, 10299, 10481 (3)                       | 5711, 6217, 7255, 7345, 7551, 7638, 7691, 7700, 7701       |
| 9483                                | $S_3 \times 2^2$ | 24    | 2494800 | 10375 (2), 10264 (2), 10394, 10302, 10395, 10494 (3) | 5712, 6172, 7252, 7347, 7545, 7625, 7686, 7699, 7700       |
| 9484                                | $S_3 \times 2^2$ | 24    | 2494800 | 10394, 10374, 10375 (2), 10362, 10265 (2), 10519 (3) | 5713, 6174, 7347, 7528, 7546, 7623, 7685, 7698, 7701       |
| 9485                                | $S_3 \times 2^2$ | 24    | 2494800 | 10331 (2), 10383, 10332, 10361 (2), 10382, 10593 (3) | 5719, 6184 (2), 7351 (2), 7668, 7762 (2)                   |
| 9486                                | $S_3 \times 2^2$ | 24    | 2494800 | 10347 (2), 10299, 10395, 10393 (2), 10353, 10547 (3) | 5720, 6221, 7254, 7290, 7548, 7643, 7700, 7707, 7708       |
| 9487                                | $S_3 \times 2^2$ | 24    | 2494800 | 10348 (2), 10376, 10395, 10392 (2), 10352, 10547 (3) | 5722, 6221, 7290, 7539, 7641, 7670, 7699, 7702, 7704       |
| 9488                                | $2^2 \times 6$   | 24    | 2494800 | 10362, 10345 (2), 10376, 10391 (2), 10299, 10551     | 5723, 6226, 7290, 7538, 7640, 7669, 7701, 7703, 7705       |
| 9489                                | $2^2 \cdot S_3$  | 24    | 2494800 | 10288, 10320, 10362, 10446 (3)                       | 5727, 6190, 7353, 7554, 7623, 7632, 7674, 7705, 7706       |
| 9490                                | $S_3 \times 4$   | 24    | 2494800 | 10285, 10320, 10395, 10505 (3)                       | 5728, 6193, 7353, 7555, 7569, 7673, 7686, 7704, 7707       |
| 9491                                | $S_3 \times 4$   | 24    | 2494800 | 10303, 10288, 10395, 10493 (3)                       | 5729, 6194, 7256, 7353, 7556, 7625, 7630, 7702, 7708       |
| 9492                                | $2 \times 12$    | 24    | 2494800 | 10289, 10298, 10362, 10440                           | 5730, 6223, 7355, 7557, 7612, 7640, 7674, 7683, 7698       |
| 9493                                | $S_3 \times 4$   | 24    | 2494800 | 10286, 10298, 10395, 10479 (3)                       | 5731, 6222, 7256, 7355, 7555, 7613, 7641, 7684, 7700       |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                  | Minimal Overgroups   |
| 9494                                | $S_3 \times 4$ | 24    | 2494800 | 10318, 10289, 10395, 10479 (3)     | 5732, 6222, 7355, 7495, 7556, 7610, 7643, 7673, 7699   |
| 9495                                | $D_8 \times 3$ | 24    | 2494800 | 10355, 10284, 10329, 10577         | 5735, 6197, 6198, 7357, 7358, 7568, 7574, 7675, 7682, 7689   |
| 9496                                | $D_8 \times 3$ | 24    | 2494800 | 10285, 10299, 10377, 10576         | 5736, 6203, 7356, 7560, 7570, 7678, 7691, 7703, 7707   |
| 9497                                | $2^2 : S_3$    | 24    | 2494800 | 10288, 10352, 10377, 10598 (3)     | 5737, 6216, 7356, 7558, 7633, 7634, 7679, 7702, 7706   |
| 9498                                | $2^2 : S_3$    | 24    | 2494800 | 10288, 10299, 10364, 10598 (3)     | 5738, 6216, 7257, 7356, 7561, 7629, 7638, 7705, 7708   |
| 9499                                | $2^2 : S_3$    | 24    | 2494800 | 10318, 10384, 10377, 10598 (3)     | 5739, 6208, 7359, 7496, 7558, 7581, 7610, 7678, 7696   |
| 9500                                | $D_8 \times 3$ | 24    | 2494800 | 10298, 10356, 10377, 10578         | 5740, 6213, 7359, 7560, 7575, 7612, 7679, 7684, 7694   |
| 9501                                | $D_{24}$       | 24    | 2494800 | 10298, 10384, 10364, 10598 (3)     | 5741, 6208, 7257, 7359, 7559, 7577, 7613, 7683, 7695   |
| 9502                                | $D_{24}$       | 24    | 1247400 | 10292, 10396 (2), 10429 (3)        | 5747, 7571, 7591 (2), 7662 (2), 7663 (2), 7714 (2), 7760, 7761   |
| 9503                                | $2 \times 12$  | 24    | 1247400 | 10388, 10292 (2), 10599            | 5749, 7584, 7712, 7714, 7716 (2), 7731 (2), 7756 (2), 7759 (2)   |
| 9504                                | $2^2 \times 6$ | 24    | 623700  | 10321, 10333 (4), 10388 (2), 10600 | 5750, 7584 (2), 7607, 7713, 7715 (2), 7716 (2), 7717 (2), 7718, 7719, 7720 (2), 7721 (2), 7722, 7723, 7724, 7725 (2), 7726 (2) |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                    | Minimal Overgroups   |
| 9505                                | $S_3 \times 4$   | 24    | 2494800 | 10396, 10292, 10293, 10499 (3)                       | 5751, 7587, 7591, 7712, 7756, 7757, 7760, 7761   |
| 9506                                | $D_{24}$         | 24    | 2494800 | 10396, 10292, 10332, 10601 (3)                       | 5752, 7587, 7590, 7714, 7739, 7755, 7756, 7761   |
| 9507                                | $S_3 \times 2^2$ | 24    | 1247400 | 10332, 10336 (4), 10396, 10388, 10602 (3)            | 5753, 7587 (2), 7589, 7713, 7714, 7724 (2), 7755 (2), 7759 (2)   |
| 9508                                | $2^2 \cdot S_3$  | 24    | 1247400 | 10293 (2), 10388, 10603 (3)                          | 5754, 7589, 7712, 7715, 7717 (2), 7757 (2), 7758 (2), 7759 (2)   |
| 9509                                | $2^2 : S_3$      | 24    | 2494800 | 10293, 10396, 10321, 10424 (3)                       | 5755, 7590, 7591, 7715, 7741, 7755, 7757, 7760   |
| 9510                                | $S_3 \times 2^2$ | 24    | 623700  | 10321, 10334 (4), 10396 (2), 10539 (3)               | 5756, 7591 (4), 7654 (2), 7713, 7729 (2), 7730 (2), 7739, 7740 (2), 7741, 7748 (2), 7749 (2)   |
| 9511                                | $2^2 : S_3$      | 24    | 2494800 | 10282, 10328, 10333, 10565 (3)                       | 5759, 7653, 7720, 7721, 7742, 7743, 7746, 7747   |
| 9512                                | $S_3 \times 2^2$ | 24    | 2494800 | 10322, 10336 (2), 10396 (2), 10334, 10333, 10596 (3) | 5762, 7654, 7713, 7724, 7727, 7728, 7746, 7747   |
| 9513                                | $D_8 \times 3$   | 24    | 2494800 | 10283, 10333, 10329, 10604                           | 5763, 7655, 7725, 7726, 7727, 7728, 7742, 7743   |
| 9514                                | $D_{24}$         | 24    | 2494800 | 10328, 10334, 10283, 10597 (3)                       | 5765, 7658, 7727, 7730, 7743, 7744, 7747, 7748   |
| 9515                                | $2^2 : S_3$      | 24    | 2494800 | 10282, 10329, 10334, 10487 (3)                       | 5766, 7658, 7728, 7729, 7743, 7745, 7746, 7749   |
| 9516                                | $A_4 \times 2$   | 24    | 51975   | 10305, 10566, 10644 (4)                              | 6051 (16), 6052 (16), 7284 (4), 7764 (12), 7765 (12), 7766 (12), 7774, 7776 (4), 7781 (12), 7783 (6), 7794 (3), 7811 (3), 7813 (6), 7814 (6), 7815 (6) |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                 | Minimal Overgroups  |
| 9517                                | $2^2 : S_3$      | 24    | 51975   | 10305, 10574 (3),<br>10652 (4)    | 6053 (16), 6077 (16),<br>7287 (4), 7767 (12),<br>7774, 7775 (4), 7781<br>(12), 7784 (24), 7797<br>(6), 7814 (12)                    |
| 9518                                | $A_4 \times 2$   | 24    | 207900  | 10314, 10569, 10665<br>(4)        | 6056 (4), 6096 (4),<br>7285, 7710 (3), 7768<br>(6), 7777, 7778, 7786<br>(6), 7789 (6), 7790<br>(6), 7792 (3), 7809<br>(3), 7810 (3) |
| 9519                                | $2^2 : S_3$      | 24    | 207900  | 10314, 10476 (3),<br>10667 (4)    | 6057 (4), 6094 (4),<br>7278, 7597, 7599 (6),<br>7769 (6), 7780, 7785<br>(6), 7787 (6), 7802<br>(3), 7804 (3), 7808<br>(3), 7810 (3) |
| 9520                                | $2^2 : S_3$      | 24    | 207900  | 10314, 10443 (3),<br>10669 (4)    | 6058 (4), 6097 (4),<br>7286, 7660 (3), 7770<br>(6), 7778, 7779, 7788<br>(6), 7790 (6), 7791<br>(6), 7795 (3), 7803<br>(3), 7804 (3) |
| 9521                                | $D_{22}$         | 22    | 4354560 | 10397, 10717 (11)                 | 5039  |
| 9522                                | $7 : 3$          | 21    | 95040   | 10633, 10713 (7)                  | 3863 (2), 3865 (10),<br>3868 (5), 5151 (6),<br>7108 (10), 7817 (10),<br>7818, 7819 (15), 7823<br>(10), 7824 (15)                    |
| 9523                                | 21               | 21    | 950400  | 10633, 10714                      | 3866 (4), 5791 (2),<br>7108, 7820, 7822,<br>7825, 7826, 7827,<br>7829, 7831   |
| 9524                                | $7 : 3$          | 21    | 1900800 | 10633, 10715 (7)                  | 3867 (4), 5790 (2),<br>7108, 7821, 7828,<br>7830  |
| 9525                                | $D_{20}$         | 20    | 5987520 | 10399, 10401, 10403,<br>10688 (5) | 906 (4), 2493, 5170,<br>7835  |
| 9526                                | $D_{10} \cdot 2$ | 20    | 5987520 | 10398, 10678 (5)                  | 1400, 2485, 4919 (4),<br>4925, 4926 (2), 5163,<br>7832, 7833, 7834  |
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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 9527                                | $D_{10} \cdot 2$ | 20    | 5987520 | 10398, 10676 (5)               | 1402 (2), 2488, 4920 (2), 4921, 4923 (2), 5159, 7832, 7836, 7838   |
| 9528                                | $D_{20}$         | 20    | 5987520 | 10399, 10400, 10398, 10689 (5) | 1404 (2), 1473, 2487, 4922, 4924 (2), 4932 (2), 5160, 7832, 7835, 7837                                     |
| 9529                                | $D_{20}$         | 20    | 5987520 | 10402, 10401, 10398, 10690 (5) | 1475, 2489, 4930, 5162, 7833, 7835, 7836   |
| 9530                                | $D_{10} \cdot 2$ | 20    | 5987520 | 10398, 10679 (5)               | 1477, 2491, 4928, 5168, 7834, 7836, 7837   |
| 9531                                | $D_{10} \cdot 2$ | 20    | 5987520 | 10398, 10679 (5)               | 2490, 4929, 4980 (2), 5161, 7833, 7837, 7838   |
| 9532                                | $D_{20}$         | 20    | 5987520 | 10404, 10403, 10398, 10680 (5) | 2492, 4927, 4981 (2), 5165, 7834, 7835, 7838   |
| 9533                                | $D_{20}$         | 20    | 5987520 | 10402, 10400, 10403, 10688 (5) | 2494, 5170, 7835   |
| 9534                                | $2 \times 10$    | 20    | 5987520 | 10400, 10401, 10404, 10691     | 2495, 5169, 7835   |
| 9535                                | $D_{20}$         | 20    | 1197504 | 10402, 10399, 10404, 10691 (5) | 2496 (5), 5169, 7835 (5)   |
| 9536                                | 20               | 20    | 1496880 | 10408, 10677                   | 3836 (2), 5152 (2), 7161, 7839, 7840, 7841, 7864, 7865, 7870, 7883   |
| 9537                                | $Q_{20}$         | 20    | 1496880 | 10408, 10672 (5)               | 3852 (2), 5156 (2), 7162, 7839, 7843, 7844, 7866, 7867, 7879, 7882   |
| 9538                                | $D_{10} \cdot 2$ | 20    | 2993760 | 10409, 10679 (5)               | 3855 (2), 5167, 5168, 7166, 7842, 7868, 7869   |
| 9539                                | $D_{10} \cdot 2$ | 20    | 498960  | 10405, 10672 (5)               | 4429 (8), 4951, 4976, 5156 (6), 7124 (4), 7135 (4), 7139 (3), 7845, 7849 (3), 7857 (6), 7860 (6), 7863 (3) |

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| Nr.                                 | Structure        | Order | Length | Maximal Subgroups              | Minimal Overgroups  |
| 9540                                | $D_{20}$         | 20    | 498960 | 10405, 10406, 10407, 10684 (5) | 4430 (8), 4952, 4977, 5157 (6), 7125 (4), 7136 (4), 7140 (3), 7845, 7850 (3), 7858 (6), 7860 (6), 7861 (3)  |
| 9541                                | $D_{10} \cdot 2$ | 20    | 4752   | 10405, 10683 (5)               | 4431 (120), 4953, 4964 (7), 5155 (126), 7126 (140), 7132 (35), 7845 (105), 7847 (21), 7853 (105)  |
| 9542                                | $D_{10} \cdot 2$ | 20    | 99792  | 10405, 10677 (5)               | 4931, 4958 (5), 5152 (6), 7128 (5), 7129 (10), 7846 (10), 7847, 7848 (10), 7849 (15), 7850 (15)   |
| 9543                                | $D_{20}$         | 20    | 99792  | 10411, 10410, 10405, 10692 (5) | 4965, 4966 (5), 5158 (6), 7131 (5), 7134 (10), 7847, 7848 (10), 7852 (10), 7861 (15), 7863 (15)   |
| 9544                                | $D_{20}$         | 20    | 498960 | 10409, 10405, 10408, 10693 (5) | 4967, 4968 (3), 5153 (6), 7115 (12), 7116 (6), 7138, 7839 (3), 7842 (3), 7846, 7849 (3), 7851, 7852, 7853, 7854, 7855, 7856, 7857 (3), 7858 (3), 7859 (3), 7861 (3), 7862 (3) |
| 9545                                | $D_{10} \cdot 2$ | 20    | 498960 | 10405, 10675 (5)               | 4969 (3), 4970, 5154 (6), 7133 (6), 7137 (12), 7141, 7848 (2), 7850 (3), 7853, 7856 (2), 7860 (6), 7862 (6), 7863 (3)   |
| 9546                                | $Q_{20}$         | 20    | 498960 | 10408, 10675 (5)               | 5154 (6), 7165, 7855, 7864 (3), 7866 (3), 7875, 7876 (3), 7887, 7888 (3)  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 9547                                | 20               | 20    | 498960  | 10408, 10683                   | 5155 (6), 7164, 7855, 7865 (3), 7867 (3), 7877 (3), 7878, 7886, 7889 (3) |
| 9548                                | $D_{20}$         | 20    | 1496880 | 10406, 10410, 10408, 10684 (5) | 5157 (2), 7122 (2), 7152, 7861, 7864, 7867, 7871, 7874, 7880, 7884       |
| 9549                                | $2 \times 10$    | 20    | 1496880 | 10408, 10407, 10411, 10692     | 5158 (2), 7123 (2), 7154, 7861, 7865, 7866, 7872, 7873, 7881, 7885       |
| 9550                                | $D_{10} \cdot 2$ | 20    | 997920  | 10409, 10678 (5)               | 5163 (3), 5164 (3), 7163, 7854, 7868 (3), 7869 (3)                       |
| 9551                                | $D_{20}$         | 20    | 1496880 | 10409, 10406, 10411, 10680 (5) | 5165 (2), 7155 (2), 7159, 7861, 7869 (2), 7874 (2), 7885 (2)             |
| 9552                                | $D_{20}$         | 20    | 1496880 | 10409, 10407, 10410, 10694 (5) | 5166 (2), 7156 (2), 7158, 7861, 7868 (2), 7873 (2), 7884 (2)             |
| 9553                                | $2 \times 10$    | 20    | 498960  | 10408 (3), 10695               | 7114 (3), 7142, 7859, 7870 (3), 7871, 7872, 7876 (3), 7877 (3), 7882 (3) |
| 9554                                | $D_{20}$         | 20    | 498960  | 10410 (2), 10408, 10696 (5)    | 7117 (6), 7151, 7840 (3), 7844 (3), 7852, 7871 (3), 7873 (3), 7875, 7886 |
| 9555                                | $D_{20}$         | 20    | 1496880 | 10406 (2), 10408, 10687 (5)    | 7118 (4), 7167, 7840, 7843, 7858, 7876, 7880, 7885, 7889                 |
| 9556                                | $2 \times 10$    | 20    | 1496880 | 10407 (2), 10408, 10697        | 7119 (4), 7168, 7841, 7844, 7858, 7877, 7881, 7884, 7888                 |
| 9557                                | $2 \times 10$    | 20    | 498960  | 10408, 10411 (2), 10682        | 7120 (6), 7153, 7841 (3), 7843 (3), 7852, 7872 (3), 7874 (3), 7878, 7887 |
| 9558                                | $D_{20}$         | 20    | 1496880 | 10409 (2), 10408, 10685 (5)    | 7121 (2), 7150, 7859, 7873, 7874, 7879, 7883, 7888, 7889                 |

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| Nr.                                 | Structure      | Order | Length   | Maximal Subgroups              | Minimal Overgroups   |
| 9559                                | $2 \times 10$  | 20    | 166320   | 10408 (3), 10681               | 7143, 7148, 7149 (2), 7851, 7870 (9), 7875 (3), 7878 (3), 7879 (9), 7880 (3), 7881 (3)   |
| 9560                                | $D_{20}$       | 20    | 997920   | 10409, 10410, 10411, 10686 (5) | 7144 (3), 7145 (3), 7157, 7852, 7873 (3), 7874 (3)   |
| 9561                                | $D_{20}$       | 20    | 2993760  | 10406, 10409, 10407, 10698 (5) | 7146 (2), 7147 (2), 7169, 7858, 7884, 7885   |
| 9562                                | $D_{20}$       | 20    | 498960   | 10409 (2), 10408, 10699 (5)    | 7160, 7851, 7882 (3), 7883 (3), 7884 (3), 7885 (3), 7886, 7887   |
| 9563                                | $D_{18}$       | 18    | 8870400  | 10412, 10661 (3)               | 1031, 7180, 7232   |
| 9564                                | $D_{18}$       | 18    | 1478400  | 10420, 10638 (3)               | 1821, 7183, 7184, 7185 (2), 7892 (3)   |
| 9565                                | $S_3 \times 3$ | 18    | 277200   | 10414, 10664, 10665 (3)        | 2517 (6), 7201 (4), 7213 (4), 7897, 7902 (3), 7903 (3), 7911 (6), 7913 (3), 7914 (3), 7915 (6), 8054, 8057, 8063 (6), 8064 (6)                                   |
| 9566                                | $S_3 \times 3$ | 18    | 2217600  | 10417, 10637, 10666 (3)        | 2518 (3), 7241, 7242, 7898, 7909 (3), 7918 (3)   |
| 9567                                | $S_3 \times 3$ | 18    | 831600   | 10414, 10657, 10643 (3)        | 2519 (4), 5776 (4), 7187 (4), 7214 (4), 7901, 7902, 7903, 7906 (2), 7907 (2), 7916 (2), 7920 (2), 7971, 7978, 8063 (2), 8064 (2), 8068 (2), 8078 (2), 8079, 8080 |
| 9568                                | $S_3 \times 3$ | 18    | 13305600 | 10416, 10636, 10645 (3)        | 2689, 5848, 7179, 7230, 7231 (2), 7904   |
| 9569                                | $S_3 \times 3$ | 18    | 2217600  | 10418, 10663, 10645 (3)        | 2690 (2), 5878, 7179 (2), 7186, 7219, 7228, 7905 (3), 8032 (3), 8037   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups          | Minimal Overgroups   |
| 9570                                | $S_3 \times 3$ | 18    | 6652800 | 10418, 10661, 10643<br>(3) | 2693 (2), 5880, 7180<br>(4), 7181 (2), 7187,<br>7220, 7221 (2), 7226<br>(2), 7233, 7905,<br>8034, 8036   |
| 9571                                | $S_3 \times 3$ | 18    | 4435200 | 10416, 10662, 10660<br>(3) | 2702 (3), 5862 (3),<br>7182, 7239, 7904 (3)  |
| 9572                                | $S_3 \times 3$ | 18    | 277200  | 10414, 10663, 10641<br>(3) | 2732 (2), 7186 (4),<br>7200 (4), 7895, 7906<br>(6), 7907 (6), 7913<br>(3), 7914 (3), 8043<br>(6), 8055, 8056, 8062<br>(6), 8079 (3), 8080<br>(3)                 |
| 9573                                | $S_3 \times 3$ | 18    | 1108800 | 10413, 10639, 10647<br>(3) | 3837, 4916 (6), 5913,<br>5951 (3), 5962 (2),<br>7188, 7194, 7925 (3),<br>7927 (3), 7928 (3),<br>7929, 7942, 7945,<br>7947 (3)                                    |
| 9574                                | $S_3 \times 3$ | 18    | 1108800 | 10413, 10640, 10655<br>(3) | 3839, 5912, 5948 (3),<br>6008 (6), 6081 (6),<br>7189, 7191, 7925 (3),<br>7931, 7932 (3), 7933,<br>7935, 7937 (3), 7940<br>(3)                                    |
| 9575                                | $S_3 \times 3$ | 18    | 277200  | 10414, 10639, 10655<br>(3) | 3840, 5911 (4), 5949<br>(4), 7188 (4), 7191<br>(4), 7922, 7923 (6),<br>7924 (6), 7934, 7936,<br>7938 (6), 7939 (6),<br>7951 (3), 7952 (3),<br>7953 (3), 7954 (3) |
| 9576                                | $S_3 \times 3$ | 18    | 1108800 | 10417, 10640, 10647<br>(3) | 3847, 5914, 5950 (3),<br>7189, 7194, 7926 (3),<br>7941, 7943, 7944,<br>7946 (3), 7948 (3),<br>7949 (3)   |
| 9577                                | $S_3 \times 3$ | 18    | 1108800 | 10413, 10649, 10641<br>(3) | 4912 (6), 6006 (3),<br>6055, 7200, 7208,<br>7890 (3), 7927 (3),<br>7931, 7958, 7959 (3),<br>7995, 8012 (3)   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 9578                                | $3 \times 6$   | 18    | 3326400 | 10413, 10644, 10645 (2), 10641 | 4913 (2), 5984 (2), 6009 (2), 6052, 6087, 7186, 7208, 7215 (2), 7927, 7932, 7960, 7961, 7987, 7988, 8008   |
| 9579                                | $3 \times 6$   | 18    | 1108800 | 10413, 10642, 10651 (2), 10650 | 4914 (6), 6007 (3), 6059, 7203, 7212, 7891 (3), 7928 (3), 7935, 7958, 7961 (3), 7997, 8020 (3)   |
| 9580                                | $S_3 \times 3$ | 18    | 3326400 | 10413, 10652, 10643 (3)        | 4915 (2), 6077, 6078 (2), 6093, 7187, 7210, 7233 (2), 7928, 7937, 7959, 7960, 8007, 8011, 8019   |
| 9581                                | $S_3 \times 3$ | 18    | 369600  | 10413, 10648, 10646 (3)        | 4917 (18), 6011 (3), 6017 (3), 6065 (6), 6082 (18), 7197, 7198, 7236 (2), 7929 (3), 7933 (3), 7958 (3), 7960 (9), 7989 (3), 7990, 8016 (9)   |
| 9582                                | $3 \times 6$   | 18    | 1108800 | 10413, 10646, 10653 (2), 10654 | 4918 (6), 6024 (3), 6054, 6146 (2), 7198, 7207, 7929, 7940 (3), 7959 (3), 7961 (3), 7991, 7992, 8015 (3)   |
| 9583                                | $3 \times 6$   | 18    | 415800  | 10414, 10655 (2), 10647 (2)    | 5770 (4), 6041 (4), 7188 (4), 7189 (4), 7914 (2), 7915 (2), 7916 (2), 7917 (2), 7923 (2), 7951 (2), 7955, 7956, 7957 (2), 7963 (2), 7966, 7967, 7968 (2), 7969, 7970 (2), 7971 (2), 7999, 8001, 8003, 8004, 8005 (2), 8040 (2), 8041, 8042, 8043 (2), 8045, 8069, 8070, 8071 (2), 8072, 8078 (2) |
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| Nr.                                 | Structure      | Order | Length | Maximal Subgroups              | Minimal Overgroups  |
| 9584                                | $3 : S_3$      | 18    | 9240   | 10414, 10639 (6),<br>10640 (6) | 5771 (36), 5852 (12),<br>7191 (20), 7194 (20),<br>7895 (15), 7896 (45),<br>7897 (15), 7900 (15),<br>7901 (45), 7908 (15),<br>7922 (15), 7930, 7966<br>(45), 7973 (45), 7974,<br>7976, 7979 (15), 8050<br>(15), 8053 (15)  |
| 9585                                | $3 : S_3$      | 18    | 415800 | 10414, 10649 (6),<br>10634 (6) | 5772 (4), 6042 (4),<br>7205 (4), 7209 (4),<br>7911 (2), 7912 (2),<br>7913 (2), 7920 (2),<br>7924 (2), 7952 (2),<br>7966, 7975 (2), 7977<br>(2), 7978 (2), 8001<br>(2), 8002 (2), 8006<br>(2), 8058 (2), 8061<br>(2), 8062 (2), 8068<br>(2), 8069 (2), 8073,<br>8074 (2), 8075 |
| 9586                                | $S_3 \times 3$ | 18    | 831600 | 10414, 10656, 10650<br>(3)     | 5773 (4), 6043 (2),<br>6044 (2), 7206 (4),<br>7211 (4), 7938 (2),<br>7939 (2), 7953, 7954,<br>7968, 7973, 7975,<br>8005 (2), 8006 (2),<br>8059 (2), 8060 (2),<br>8071 (2), 8074 (2),<br>8076, 8077  |
| 9587                                | $S_3 \times 3$ | 18    | 18480  | 10414, 10648, 10654<br>(3)     | 5774 (36), 6018 (6),<br>6020 (6), 7197 (20),<br>7198 (20), 7934 (15),<br>7936 (15), 7968 (45),<br>7974, 7975 (45), 8051<br>(15), 8052 (15)  |
| 9588                                | $S_3 \times 3$ | 18    | 18480  | 10414, 10658, 10642<br>(3)     | 5775 (36), 7202 (20),<br>7203 (20), 7971 (45),<br>7976, 7978 (45), 8054<br>(15), 8055 (15), 8056<br>(15), 8057 (15)   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                      | Minimal Overgroups   |
| 9589                                | $S_3 \times 3$ | 18    | 2217600 | 10415, 10638, 10644 (3)                | 5854 (3), 7184 (2), 7193, 7215, 7216, 7980 (3), 7981, 7982 (3)   |
| 9590                                | $S_3 \times 3$ | 18    | 2217600 | 10415, 10649, 10645 (3)                | 5855, 7208, 7228, 7230 (3), 7980 (3), 7983, 7984 (3)   |
| 9591                                | $3 : S_3$      | 18    | 2217600 | 10415, 10649 (3), 10636 (6), 10635 (3) | 5856 (3), 7209 (3), 7229, 7230, 7980 (3), 7985, 7986 (3)   |
| 9592                                | $3 : S_3$      | 18    | 2217600 | 10415, 10661 (3), 10659 (6), 10652 (3) | 5857 (3), 7195, 7232 (2), 7233, 7234, 7981, 7984 (3), 7986 (3)   |
| 9593                                | $S_3 \times 3$ | 18    | 246400  | 10415, 10648, 10653 (3)                | 5858 (9), 7198 (3), 7235 (6), 7236, 7237 (3), 7981 (9), 7983 (9), 7985 (9)                                 |
| 9594                                | $3 \times 6$   | 18    | 2217600 | 10415, 10651, 10660 (2), 10650         | 5859, 7212, 7239 (3), 7240, 7982 (3), 7983, 7986 (3)   |
| 9595                                | $S_3 \times 3$ | 18    | 2217600 | 10415, 10662, 10650 (3)                | 5860 (3), 7211 (3), 7238, 7239, 7982 (3), 7984 (3), 7985   |
| 9596                                | $3 : S_3$      | 18    | 4435200 | 10416, 10661 (3), 10659 (9)            | 5861 (3), 7181, 7234, 7904 (3)   |
| 9597                                | $S_3 \times 3$ | 18    | 1108800 | 10413, 10663, 10644 (3)                | 6010 (6), 6016 (3), 6051, 7186, 7193, 7890 (3), 7891 (3), 7932 (3), 7942, 7989, 7992, 8007 (3)             |
| 9598                                | $3 : S_3$      | 18    | 369600  | 10413, 10649 (3), 10638 (6), 10663 (3) | 6012 (3), 6033 (3), 7193, 7200, 7228 (2), 7931 (3), 7942 (3), 7987 (9), 7990, 7991 (3), 7997 (3), 8011 (9) |
| 9599                                | $S_3 \times 3$ | 18    | 369600  | 10413, 10658, 10650 (3)                | 6019 (3), 6036 (3), 7199, 7203, 7240 (2), 7935 (3), 7945 (3), 7988 (9), 7990, 7992 (3), 7995 (3), 8019 (9) |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 9600                                | $3 : S_3$      | 18    | 1108800 | 10413, 10652 (3),<br>10661 (6), 10657 (3) | 6021 (3), 6053, 6076<br>(6), 7187, 7195,<br>7937 (3), 7945, 7989,<br>7991, 8008 (3), 8012<br>(3), 8020 (3)   |
| 9601                                | $3 : S_3$      | 18    | 138600  | 10414, 10656 (6),<br>10667 (6)            | 6022 (8), 7196 (4),<br>7206 (4), 7903 (6),<br>7906 (12), 7934 (2),<br>7938 (12), 7979, 8002<br>(6), 8004 (6), 8055<br>(2), 8070 (3), 8075<br>(3), 8077 (6) |
| 9602                                | $3 \times 6$   | 18    | 138600  | 10414, 10654 (2),<br>10646 (2)            | 6023 (8), 7197 (4),<br>7207 (4), 7902 (6),<br>7907 (12), 7936 (2),<br>7939 (12), 7979, 8002<br>(6), 8003 (6), 8056<br>(2), 8072 (3), 8073<br>(3), 8076 (6) |
| 9603                                | $3 : S_3$      | 18    | 184800  | 10417, 10664 (6),<br>10637 (6)            | 6032 (6), 7201 (2),<br>7241 (2), 7898 (6),<br>7899 (6), 7941 (6),<br>7993, 7998 (6), 8014<br>(9), 8026 (9)   |
| 9604                                | $S_3 \times 3$ | 18    | 369600  | 10417, 10658, 10668<br>(3)                | 6034 (3), 6035 (3),<br>7199, 7202, 7227 (2),<br>7943 (3), 7944 (3),<br>7993, 7994 (3), 7996<br>(3), 8017 (9), 8021<br>(9)                                  |
| 9605                                | $S_3 \times 3$ | 18    | 1108800 | 10417, 10664, 10665<br>(3)                | 6037 (3), 6056, 7201,<br>7213, 7941, 7946 (3),<br>7994, 7996, 8013 (3),<br>8023 (3), 8025 (3)  |
| 9606                                | $3 : S_3$      | 18    | 1108800 | 10413, 10656 (3),<br>10662 (6), 10667 (3) | 6038 (3), 6057, 6063<br>(6), 6079 (6), 7196,<br>7211, 7933, 7947 (3),<br>7995, 7997, 8007 (3),<br>8008 (3), 8015 (3)                                       |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 9607                                | $3 : S_3$      | 18    | 1108800 | 10417, 10657 (3),<br>10669 (3), 10659 (6) | 6039 (3), 6058, 7195,<br>7214, 7944, 7948 (3),<br>7996, 7998, 8018 (3),<br>8024 (3), 8025 (3)      |
| 9608                                | $3 \times 6$   | 18    | 1108800 | 10417, 10642, 10660<br>(2), 10668         | 6040 (3), 6060, 7202,<br>7212, 7943, 7949 (3),<br>7994, 7998, 8018 (3),<br>8022 (3), 8023 (3)      |
| 9609                                | $3 : S_3$      | 18    | 739200  | 10418, 10667 (9),<br>10662 (3)            | 6080 (9), 7182 (2),<br>7196, 7224, 7238,<br>7905 (9), 8028 (3),<br>8029 (3)                        |
| 9610                                | $3 : S_3$      | 18    | 3326400 | 10413, 10649 (3),<br>10635 (6), 10634 (3) | 6090, 6091, 6141 (2),<br>7205, 7209, 7229 (2),<br>7890, 7925, 7987,<br>8015, 8016, 8019,<br>8020   |
| 9611                                | $3 : S_3$      | 18    | 1663200 | 10417, 10634 (6),<br>10636 (6)            | 6092 (2), 7209 (2),<br>7217 (2), 7909 (2),<br>7910 (2), 7926, 8013,<br>8014, 8017 (2), 8018<br>(2) |
| 9612                                | $S_3 \times 3$ | 18    | 3326400 | 10413, 10667, 10650<br>(3)                | 6094, 6095, 6143 (2),<br>7206, 7211, 7238 (2),<br>7891, 7940, 7947,<br>7988, 8011, 8012,<br>8016   |
| 9613                                | $3 \times 6$   | 18    | 1663200 | 10417, 10665 (2),<br>10666 (2)            | 6096 (2), 7213 (2),<br>7242 (2), 7918 (2),<br>7919 (2), 7946 (2),<br>8014, 8021 (2), 8022,<br>8024 |
| 9614                                | $S_3 \times 3$ | 18    | 3326400 | 10417, 10669, 10643<br>(3)                | 6097, 6098, 7210,<br>7214, 7226 (2), 7948,<br>7949, 8017, 8021,<br>8023, 8025, 8026                |
| 9615                                | $3 : S_3$      | 18    | 2217600 | 10419, 10661 (6),<br>10669 (3), 10659 (3) | 6113 (3), 7195, 7226,<br>8027, 8030 (3), 8035<br>(3)   |
| 9616                                | $S_3 \times 3$ | 18    | 2217600 | 10418, 10638, 10641<br>(3)                | 6116 (3), 7183 (2),<br>7190, 7200, 7215,<br>8028, 8032 (3), 8036<br>(3)                            |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                      | Minimal Overgroups  |
| 9617                                | $S_3 \times 3$ | 18    | 2217600 | 10419, 10637, 10665 (3)                | 6118 (3), 7201, 7242, 8027, 8031 (3), 8039 (3)                              |
| 9618                                | $S_3 \times 3$ | 18    | 739200  | 10419, 10658, 10660 (3)                | 6121 (3), 7202, 7227, 7240 (2), 8027 (3), 8033 (9), 8038 (3)                |
| 9619                                | $S_3 \times 3$ | 18    | 739200  | 10418, 10658, 10651 (3)                | 6123 (3), 7203, 7225, 7227 (2), 7240, 8028 (3), 8034 (9), 8037 (3)          |
| 9620                                | $3 : S_3$      | 18    | 2217600 | 10418, 10634 (9), 10635 (3)            | 6140 (3), 7205, 7217 (2), 7218, 7229, 8029, 8032 (3), 8034 (3)              |
| 9621                                | $3 \times 6$   | 18    | 739200  | 10418, 10653, 10646 (3)                | 6145 (3), 7207, 7222 (2), 7223, 7236, 8029 (3), 8036 (9), 8037 (3)          |
| 9622                                | $3 : S_3$      | 18    | 6652800 | 10419, 10634 (3), 10635 (6), 10636 (3) | 6148, 7209, 7217, 7229 (2), 8030, 8031, 8033                                |
| 9623                                | $3 \times 6$   | 18    | 2217600 | 10419, 10651 (2), 10660, 10668         | 6152, 7212, 7227, 8030 (3), 8038, 8039 (3)                                  |
| 9624                                | $S_3 \times 3$ | 18    | 2217600 | 10419, 10664, 10666 (3)                | 6154, 7213, 7241, 8031 (3), 8035 (3), 8038                                  |
| 9625                                | $S_3 \times 3$ | 18    | 6652800 | 10419, 10659, 10643 (3)                | 6156, 7214, 7226, 7233 (2), 8033, 8035, 8039                                |
| 9626                                | $S_3 \times 3$ | 18    | 4435200 | 10422, 10638, 10645 (3)                | 7185 (2), 7204, 7215, 7228, 7231 (3), 8049 (3)                              |
| 9627                                | $3 : S_3$      | 18    | 184800  | 10421, 10638 (12)                      | 7190 (4), 7204 (8), 7216, 7950 (3), 8046 (18), 8047 (6), 8048 (3), 8067 (9) |
| 9628                                | $3 : S_3$      | 18    | 1108800 | 10422, 10635 (12)                      | 7192 (4), 7229 (4), 7921 (3), 8049 (6)                                      |
| 9629                                | $S_3 \times 3$ | 18    | 6652800 | 10421, 10635, 10645 (3)                | 7192 (2), 7218, 7219, 7230, 7231 (2), 8046, 8065, 8066                      |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 9630                                | $S_3 \times 3$ | 18    | 277200  | 10414, 10649, 10644 (3)                   | 7193 (4), 7208 (4), 7951 (3), 7952 (3), 8040 (6), 8050, 8051, 8052, 8058 (6), 8059 (6), 8060 (6), 8076 (3), 8077 (3)           |
| 9631                                | $3 : S_3$      | 18    | 138600  | 10414, 10652 (6), 10669 (6)               | 7195 (4), 7210 (4), 7953 (6), 8041 (6), 8051 (2), 8053, 8054 (2), 8059 (12), 8061 (6), 8063 (12), 8070 (3), 8073 (3), 8080 (6) |
| 9632                                | $3 \times 6$   | 18    | 138600  | 10414, 10650 (2), 10668 (2)               | 7199 (4), 7212 (4), 7954 (6), 8042 (6), 8052 (2), 8053, 8057 (2), 8060 (12), 8061 (6), 8064 (12), 8072 (3), 8075 (3), 8079 (6) |
| 9633                                | $3 : S_3$      | 18    | 554400  | 10421, 10661 (12)                         | 7220 (4), 7234, 8048, 8066 (12)  |
| 9634                                | $D_{18}$       | 18    | 4435200 | 10420, 10661 (3)                          | 7221, 7232, 7892   |
| 9635                                | 18             | 18    | 4435200 | 10420, 10653                              | 7222, 7235, 7892   |
| 9636                                | $3 \times 6$   | 18    | 554400  | 10421, 10653 (4)                          | 7223 (4), 7237, 8048, 8065 (12)  |
| 9637                                | $S_3 \times 3$ | 18    | 2217600 | 10421, 10662, 10651 (3)                   | 7224, 7225, 7239, 8047, 8065 (3), 8066 (3)   |
| 9638                                | $8 : 2$        | 16    | 1871100 | 10448, 10460 (2)                          | 936 (4), 8082 (2), 8084, 8085 (2), 8590, 8685, 9043 (2), 9044 (2)  |
| 9639                                | $D_8 : 2$      | 16    | 1871100 | 10423 (2), 10444 (2), 10448, 10459, 10447 | 937 (4), 8082 (2), 8083, 8085 (2), 8706, 8824, 8930 (2), 9048 (2)  |
| 9640                                | $D_{16}$       | 16    | 7484400 | 10461, 10460, 10447                       | 953 (2), 1404 (2), 8085, 8092, 8571  |
| 9641                                | $Q_8 : 2$      | 16    | 3742200 | 10469, 10425, 10458                       | 1400 (2), 3936 (4), 7250 (8), 7360 (2), 7385 (2), 8089, 8090, 8091, 8127, 8375, 8430, 8565                                     |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 9642                                | $Q_8 : 2$ | 16    | 7484400 | 10461, 10460, 10459                       | 1402 (2), 3937 (4), 7251 (4), 8085, 8092, 8741   |
| 9643                                | $D_{16}$  | 16    | 3742200 | 10469, 10425, 10426                       | 1473 (2), 8089, 8093, 8095, 8102, 8563, 8564, 9029   |
| 9644                                | $D_{16}$  | 16    | 3742200 | 10469, 10470, 10429                       | 1475 (2), 7663 (2), 8090, 8093, 8094, 8103, 8449, 8568, 9070   |
| 9645                                | $Q_8 : 2$ | 16    | 3742200 | 10469, 10428, 10430                       | 1477 (2), 8091, 8094, 8095, 8771, 8772, 9035, 9066   |
| 9646                                | $8 : 2$   | 16    | 1871100 | 10509, 10425 (2)                          | 2065 (4), 7753 (2), 8096, 8097, 8098, 8391, 8429, 8430, 8450, 8451, 8452, 8705, 9029, 9030, 9036, 9037, 9038                       |
| 9647                                | $D_8 : 2$ | 16    | 935550  | 10509, 10427, 10423 (2), 10498 (2), 10426 | 2066 (8), 8096 (2), 8099, 8100 (2), 8684, 8706 (2), 8813, 8814 (2), 8883, 9029 (2), 9032 (2), 9033, 9039, 9040, 9042 (2), 9053 (2) |
| 9648                                | $8 : 2$   | 16    | 935550  | 10509, 10428 (2)                          | 2067 (8), 8098 (2), 8099, 8101 (2), 8586 (2), 8588, 8717, 8807 (2), 8870, 8871, 9030 (2), 9032 (2), 9033, 9035 (2), 9041, 9042 (2) |
| 9649                                | $D_8 : 2$ | 16    | 1871100 | 10509, 10430, 10424 (2), 10499 (2), 10429 | 2068 (4), 7760 (2), 8097, 8100, 8101, 8421, 8439, 8440, 8448, 8449, 8452, 8806, 9035, 9037, 9038, 9053, 9061                       |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9650                                | $D_8 \times 2$ | 16    | 3742200 | 10424, 10484, 10514, 10431, 10423, 10432, 10500 | 2069 (4), 3934 (4), 8100, 8113, 8289, 8351, 8699, 9047, 9056       |
| 9651                                | $D_8 : 2$      | 16    | 3742200 | 10473, 10434, 10423, 10502, 10424, 10433, 10501 | 2070 (4), 8100, 8823, 8994, 9050, 9056, 9057, 9058                 |
| 9652                                | $8 : 2$        | 16    | 3742200 | 10515, 10428, 10425                             | 2076 (4), 8095, 8098, 8559, 8565, 9024, 9066, 9069                 |
| 9653                                | $2 \times 8$   | 16    | 3742200 | 10425, 10428, 10472                             | 2077 (4), 8091, 8098, 8104, 8559, 8564, 8567, 8771                 |
| 9654                                | $D_8 : 2$      | 16    | 1871100 | 10515, 10501 (2), 10431 (2), 10429, 10427       | 2079 (4), 8100, 9012, 9052 (2), 9054 (2), 9060, 9069 (2), 9070 (2) |
| 9655                                | $D_8 : 2$      | 16    | 3742200 | 10515, 10433, 10432, 10499, 10431, 10434, 10498 | 2080 (4), 8100, 8890, 8988, 9050, 9051, 9052, 9059                 |
| 9656                                | $D_8 : 2$      | 16    | 1871100 | 10515, 10426, 10432 (2), 10502 (2), 10430       | 2081 (4), 8095 (2), 8100, 8561, 8563 (2), 8887 (2), 9000, 9050 (2) |
| 9657                                | $D_8 \times 2$ | 16    | 1871100 | 10429, 10500 (2), 10472, 10433 (2), 10426       | 2082 (4), 8093 (2), 8100, 8287, 8289 (2), 8561, 8564 (2), 8695 (2) |
| 9658                                | $Q_8 \times 2$ | 16    | 1871100 | 10430, 10484 (2), 10472, 10434 (2), 10427       | 2083 (4), 8100, 8394, 8770 (2), 8771 (2), 9056 (2), 9059 (2), 9060 |
| 9659                                | $D_{16}$       | 16    | 3742200 | 10469, 10425, 10552                             | 2423 (2), 7267 (2), 8102, 8103, 8104, 8430, 8453, 8885, 9066       |
| 9660                                | $D_{16}$       | 16    | 623700  | 10471, 10470, 10552                             | 2424 (2), 7268 (4), 8103 (6), 8105 (3), 8432, 8453 (6), 9067 (3)   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 9661                                | $D_{16}$         | 16    | 1871100 | 10605, 10428, 10552                       | 2426 (2), 8104 (2), 8105, 8107 (2), 8870, 8893 (2), 9066 (2), 9067   |
| 9662                                | $2 \times 4 : 2$ | 16    | 935550  | 10535, 10483 (2)                          | 3928 (4), 7734 (2), 8108, 8109, 8110, 8141 (2), 8190 (2), 8211 (2), 8212 (2), 8245, 8390 (2), 8444, 8447 (2), 8594, 8597, 9028 (2), 9031 (2)   |
| 9663                                | $D_8 \times 2$   | 16    | 467775  | 10535, 10423 (4), 10538, 10448            | 3929 (8), 8083 (2), 8084 (2), 8086 (2), 8087 (2), 8108 (2), 8112, 8113 (2), 8116 (2), 8125 (2), 8137 (2), 8162 (2), 8593, 8600, 8676 (2), 8813 (2), 8899 (2), 8920 (2), 8924 (2), 9028 (2), 9034 (2), 9057 (2) |
| 9664                                | $D_8 \times 2$   | 16    | 1871100 | 10423 (2), 10447 (2), 10538, 10534, 10444 | 3930 (8), 8083, 8088 (2), 8111 (2), 8251 (2), 8694, 8814, 9048 (2)   |
| 9665                                | $2 \times 4 : 2$ | 16    | 1871100 | 10538, 10450 (2)                          | 3931 (8), 8087, 8088 (2), 8111 (2), 8587, 8804 (2), 8805, 9065 (2)   |
| 9666                                | $2 \times 4 : 2$ | 16    | 467775  | 10535, 10449 (2)                          | 3932 (8), 8086 (4), 8110 (2), 8112, 8114 (2), 8118 (2), 8121 (2), 8140 (4), 8589 (2), 8596, 8598, 8716 (2), 8920 (2), 8923 (4), 9031 (4), 9034 (2)   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups   |
| 9667                                | $D_8 \times 2$   | 16    | 935550  | 10535, 10424 (4),<br>10539, 10473                     | 3933 (4), 7741 (2),<br>8109, 8113, 8114,<br>8144 (2), 8167 (2),<br>8200 (2), 8227 (2),<br>8248, 8412, 8421 (2),<br>8447 (2), 8597, 8599,<br>9031 (2), 9057 (2) |
| 9668                                | $D_8 \times 2$   | 16    | 3742200 | 10424, 10540, 10549,<br>10432, 10423, 10431,<br>10485 | 3935 (4), 8113, 8320,<br>8823, 9047, 9050,<br>9052, 9053   |
| 9669                                | $D_8 \times 2$   | 16    | 935550  | 10535, 10438 (2),<br>10435 (2), 10543,<br>10451       | 3953 (4), 7709 (2),<br>8115, 8116, 8118,<br>8128 (2), 8189 (2),<br>8190 (2), 8200 (2),<br>8255, 8381, 8387 (2),<br>8389 (2), 8650, 8877,<br>8899 (2), 8923 (2) |
| 9670                                | $D_8 \times 2$   | 16    | 1871100 | 10518, 10445, 10436,<br>10525, 10439, 10435,<br>10446 | 3954 (4), 5844 (4),<br>7261 (8), 7266 (8),<br>7363 (2), 7382 (4),<br>7486, 7632 (4), 8115,<br>8129 (2), 8188 (2),<br>8240, 8321 (2), 8423<br>(2), 8477         |
| 9671                                | $D_8 \times 2$   | 16    | 1871100 | 10435, 10440, 10443,<br>10525, 10536, 10452,<br>10437 | 3955 (4), 7803, 8115,<br>8130 (2), 8187 (2),<br>8266, 8478, 8503 (2),<br>8514 (2)  |
| 9672                                | $D_8 \times 2$   | 16    | 935550  | 10436, 10454, 10442,<br>10543, 10507, 10453,<br>10437 | 3958 (4), 8115, 8117,<br>8119, 8133 (2), 8179<br>(2), 8195 (2), 8203<br>(2), 8481, 8607, 8783<br>(2), 8785 (2), 8838,<br>8878, 8895 (2), 8970<br>(2)           |
| 9673                                | $2 \times 4 : 2$ | 16    | 935550  | 10503, 10543, 10448                                   | 3959 (4), 8116, 8119,<br>8120, 8134 (2), 8170<br>(2), 8201 (2), 8208<br>(2), 8483, 8830, 8859<br>(2), 8879, 8880, 8898<br>(2), 8921 (2), 8922<br>(2)           |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups  |
| 9674                                | $D_8 \times 2$   | 16    | 935550  | 10437 (2), 10455 (2),<br>10543, 10545, 10449          | 3961 (4), 8117, 8118,<br>8120, 8136 (2), 8180<br>(2), 8196 (2), 8206<br>(2), 8490, 8837,<br>8852, 8862 (2), 8881,<br>8904 (2), 8966 (2),<br>8975 (2)                          |
| 9675                                | $D_8 \times 2$   | 16    | 623700  | 10439, 10551, 10442,<br>10440, 10518, 10443,<br>10438 | 3962 (6), 7515 (4),<br>7579 (8), 7640 (4),<br>7779, 8115 (3), 8133<br>(3), 8186 (6), 8263,<br>8321 (6)  |
| 9676                                | $2 \times 4 : 2$ | 16    | 7484400 | 10579, 10450, 10444                                   | 3963 (2), 3964 (2),<br>8111, 8761, 9006   |
| 9677                                | $2 \times 4 : 2$ | 16    | 935550  | 10506, 10448, 10451                                   | 3967 (4), 7364, 8116,<br>8122, 8123, 8147 (2),<br>8169 (2), 8173 (2),<br>8174 (2), 8457, 8483,<br>8518, 8525, 8548 (2),<br>8549 (2), 8555 (2),<br>8556 (2)                    |
| 9678                                | $2^2 \times 4$   | 16    | 311850  | 10454 (3), 10449 (3),<br>10506                        | 3970 (4), 7365, 8117,<br>8121 (3), 8122 (3),<br>8153 (2), 8164 (6),<br>8178 (6), 8183 (2),<br>8459, 8485, 8505 (3),<br>8524 (3), 8552 (2),<br>8553 (2), 8554 (6),<br>8556 (6) |
| 9679                                | $D_8 \times 2$   | 16    | 7484400 | 10579, 10456 (2),<br>10441 (2), 10534,<br>10450       | 3971 (2), 7263 (4),<br>7388 (4), 8111, 8690,<br>8761  |
| 9680                                | $2 \times 4 : 2$ | 16    | 935550  | 10507, 10448, 10449                                   | 3973 (4), 3975 (4),<br>8112, 8119, 8120,<br>8122, 8123, 8138 (2),<br>8163 (2), 8172 (2),<br>8176 (2), 8794, 8849,<br>8961 (2), 8963 (2),<br>8970 (2), 8972 (2)                |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups   |
| 9681                                | $D_8 \times 2$   | 16    | 935550  | 10507, 10455 (2),<br>10442 (2), 10538,<br>10449       | 3976 (4), 7307 (8),<br>8112, 8117, 8124,<br>8126, 8139 (2), 8148<br>(2), 8166 (2), 8186<br>(2), 8274, 8669, 8738<br>(2), 8785, 8895 (2),<br>8959 (2), 8963 (2) |
| 9682                                | $D_8 \times 2$   | 16    | 935550  | 10445 (2), 10454,<br>10443 (2), 10550,<br>10535       | 3977 (4), 7660 (2),<br>8115, 8121, 8125,<br>8130 (2), 8185 (2),<br>8212 (2), 8227 (2),<br>8256, 8380, 8386 (2),<br>8387 (2), 8651, 8877,<br>8923 (2), 8924 (2) |
| 9683                                | $D_8 \times 2$   | 16    | 1871100 | 10446, 10453, 10551,<br>10452, 10536, 10445,<br>10438 | 3978 (4), 7480, 8115,<br>8132 (2), 8189 (2),<br>8268, 8292, 8313 (2),<br>8514 (2)  |
| 9684                                | $D_8 \times 2$   | 16    | 935550  | 10439 (2), 10550,<br>10451, 10507, 10452<br>(2)       | 3979 (4), 8115, 8123,<br>8124, 8150 (2), 8188<br>(2), 8217 (2), 8219<br>(2), 8479, 8609,<br>8661, 8781 (2), 8783<br>(2), 8847, 8959 (2),<br>8961 (2)           |
| 9685                                | $2^2 \times 4$   | 16    | 935550  | 10446 (2), 10454,<br>10440 (2), 10451,<br>10507       | 3980 (4), 8115, 8122,<br>8126, 8155 (2), 8187<br>(2), 8215 (2), 8222<br>(2), 8480, 8608, 8782<br>(2), 8784 (2), 8847,<br>8878, 8959 (2), 8970<br>(2)           |
| 9686                                | $2 \times 4 : 2$ | 16    | 935550  | 10503, 10538, 10451                                   | 3981 (4), 8116, 8124,<br>8126, 8149 (2), 8191<br>(2), 8220 (2), 8224<br>(2), 8494, 8672, 8675<br>(2), 8774, 8882, 8898<br>(2), 8914 (2), 8918<br>(2)           |

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| Nr.                                 | Structure            | Order | Length | Maximal Subgroups                         | Minimal Overgroups   |
| 9687                                | $D_8 \times 2$       | 16    | 935550 | 10453 (2), 10538, 10454, 10455 (2), 10545 | 3985 (4), 8117, 8125, 8126, 8157 (2), 8181 (2), 8197 (2), 8228 (2), 8512, 8780, 8853, 8882, 8904 (2), 8905 (2), 8952 (2), 8956 (2) |
| 9688                                | $2^3 \cdot 2$        | 16    | 935550 | 10451, 10449, 10545                       | 3986 (4), 8118, 8123, 8126, 8154 (2), 8198 (2), 8218 (2), 8223 (2), 8505, 8787, 8848, 8881, 8954 (2), 8956 (2), 8966 (2), 8967 (2) |
| 9689                                | $2 \times 4 \cdot 2$ | 16    | 935550 | 10451, 10508, 10449                       | 3987 (4), 8118, 8122, 8124, 8151 (2), 8199 (2), 8216 (2), 8221 (2), 8496, 8659, 8791, 8848, 8960 (2), 8962 (2), 8969 (2), 8971 (2) |
| 9690                                | $2 \times 4 \cdot 2$ | 16    | 935550 | 10454, 10503, 10449                       | 3988 (4), 8119, 8121, 8126, 8159 (2), 8184 (2), 8204 (2), 8213 (2), 8524, 8791, 8831, 8852, 8917 (2), 8918 (2), 8922 (2), 8926 (2) |
| 9691                                | $4^2$                | 16    | 935550 | 10454, 10508, 10448                       | 3989 (4), 8119, 8122, 8125, 8158 (2), 8171 (2), 8202 (2), 8226 (2), 8518, 8798, 8846, 8879, 8958 (2), 8964 (2), 8969 (2), 8973 (2) |
| 9692                                | $2 \times 4 : 2$     | 16    | 935550 | 10550, 10449, 10503                       | 3990 (4), 8120, 8121, 8124, 8161 (2), 8168 (2), 8207 (2), 8214 (2), 8531, 8657, 8787, 8831, 8914 (2), 8917 (2), 8921 (2), 8928 (2) |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups  |
| 9693                                | $D_8 \times 2$ | 16    | 935550  | 10550, 10457 (4),<br>10545, 10448                     | 3991 (4), 8120, 8123,<br>8125, 8160 (2), 8175<br>(2), 8205 (2), 8225<br>(2), 8525, 8803,<br>8846, 8880, 8952 (2),<br>8954 (2), 8975 (2),<br>8977 (2)            |
| 9694                                | $D_8 \cdot 2$  | 16    | 623700  | 10471, 10458, 10470                                   | 4019 (8), 7361 (2),<br>7387 (4), 8090 (6),<br>8127 (6), 8379 (3),<br>8432, 8560 (3)   |
| 9695                                | $Q_8 \times 2$ | 16    | 623700  | 10458, 10430 (3),<br>10472 (3)                        | 4020 (8), 7362 (4),<br>7386 (2), 8091 (6),<br>8127 (6), 8394, 8440<br>(3), 8561 (3)   |
| 9696                                | $D_8 \times 2$ | 16    | 1871100 | 10462 (2), 10465,<br>10535, 10435 (2),<br>10541       | 4030 (2), 7258 (8),<br>7300 (4), 7592 (2),<br>7593 (2), 8128, 8129,<br>8130, 8137, 8140,<br>8141, 8144, 8190,<br>8227, 8252, 8285,<br>8376, 8377, 8407,<br>8433 |
| 9697                                | $D_8 \times 2$ | 16    | 623700  | 10518, 10462, 10436,<br>10464, 10463, 10476,<br>10542 | 4031 (2), 7259 (8),<br>7366 (4), 7369 (4),<br>7516 (4), 7780, 8129<br>(6), 8133 (3), 8253,<br>8283 (6), 8477 (3)  |
| 9698                                | $D_8 \times 2$ | 16    | 3742200 | 10462, 10466, 10445,<br>10480, 10536, 10464,<br>10525 | 4032 (2), 7260 (4),<br>7367 (2), 7368 (2),<br>7422, 7573 (2), 8129,<br>8130, 8132, 8254,<br>8281, 8291, 8473  |
| 9699                                | $D_8 \times 2$ | 16    | 1871100 | 10512, 10486, 10465,<br>10462, 10543, 10467,<br>10438 | 4033 (2), 7423, 8128,<br>8131, 8132, 8133,<br>8134, 8135, 8136,<br>8255, 8290, 8292,<br>8293, 8294, 8470,<br>8472, 8486   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9700                                | $D_8 \times 2$       | 16    | 1871100 | 10462, 10544, 10443, 10468, 10517, 10437, 10466 | 4034 (2), 7795, 8130 (2), 8133, 8136 (2), 8256, 8469 (2), 8478, 8487 (2)   |
| 9701                                | $4^2$                | 16    | 935550  | 10465 (2), 10448                                | 4042 (4), 8082 (4), 8134 (2), 8137, 8138 (2), 8147 (2), 8158 (2), 8160 (2), 8611, 8617, 8642 (2)   |
| 9702                                | $2 \times 4 \cdot 2$ | 16    | 1871100 | 10465, 10475, 10449                             | 4043 (2), 4120 (2), 8135, 8138, 8139, 8140, 8152, 8154, 8159, 8164, 8206, 8207, 8216, 8613, 8624, 8628, 8643   |
| 9703                                | $2^2 \times 4$       | 16    | 623700  | 10506, 10465 (3), 10483 (3)                     | 4045 (2), 5812 (4), 7370, 7414 (2), 8131, 8141 (3), 8142 (3), 8143, 8147 (3), 8152 (3), 8153, 8233 (3), 8234, 8257, 8317 (3), 8482, 8492 (3), 8519 (3), 8526 |
| 9704                                | $2^2 \times 4$       | 16    | 1871100 | 10464 (2), 10465, 10507, 10446 (2), 10475       | 4046 (2), 5813 (4), 7302 (4), 7415 (2), 8129, 8132, 8138, 8139, 8142, 8146, 8155, 8203, 8217, 8232, 8237, 8258, 8415, 8604, 8630                             |
| 9705                                | $D_8 \times 2$       | 16    | 1871100 | 10463, 10465, 10439, 10511, 10507, 10466, 10474 | 4047 (2), 5805 (4), 7301 (4), 7304 (4), 7474 (2), 8129, 8133, 8138, 8143, 8145, 8148, 8150, 8215, 8237, 8240, 8272, 8278, 8424, 8609, 8621                   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9706                                | $2 \times 4 \cdot 2$ | 16    | 1871100 | 10503, 10465, 10483                             | 4048 (2), 5804 (4),<br>7461 (2), 8134, 8141,<br>8145, 8146, 8149,<br>8159, 8161, 8233,<br>8244, 8406, 8436,<br>8610, 8619, 8645,<br>8648                   |
| 9707                                | $4^2$                | 16    | 1871100 | 10465, 10508, 10473                             | 4049 (2), 5806 (4),<br>5816 (4), 7418 (2),<br>8135, 8142, 8144,<br>8145, 8151, 8156,<br>8158, 8235, 8236,<br>8241, 8417, 8612,<br>8622, 8632, 8641         |
| 9708                                | $D_8 \times 2$       | 16    | 1871100 | 10466 (2), 10487 (2),<br>10465, 10545, 10539    | 4050 (2), 7729 (2),<br>8136, 8143, 8144,<br>8146, 8154, 8157,<br>8160, 8259, 8425,<br>8434, 8437, 8615,<br>8629, 8639, 8647                                |
| 9709                                | $D_8 \times 2$       | 16    | 1871100 | 10541, 10467 (2),<br>10465, 10478 (2),<br>10538 | 4075 (2), 7303 (4),<br>8131, 8137, 8139,<br>8148, 8149, 8156,<br>8157, 8191, 8228,<br>8260, 8284, 8602,<br>8618, 8633, 8636                                |
| 9710                                | $2^2 \times 4$       | 16    | 1871100 | 10511, 10468 (2),<br>10465, 10479 (2),<br>10449 | 4076 (2), 7305 (4),<br>8136, 8138, 8140,<br>8148, 8151, 8153,<br>8161, 8204, 8218,<br>8261, 8277, 8616,<br>8623, 8626, 8643                                |
| 9711                                | $2^2 \times 4$       | 16    | 623700  | 10465 (3), 10512,<br>10451 (3)                  | 4077 (2), 7371, 8128,<br>8147 (3), 8149 (3),<br>8150, 8151 (3), 8154<br>(3), 8155, 8262, 8293<br>(3), 8314, 8316 (3),<br>8382, 8491 (3), 8521<br>(3), 8527 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9712                                | $D_8 \times 2$ | 16    | 623700  | 10463, 10468, 10442, 10546, 10494, 10467, 10477 | 4078 (2), 7372 (4), 7373 (4), 8133 (3), 8148 (6), 8263, 8325 (6), 8607 (3)                         |
| 9713                                | $D_8 \times 2$ | 16    | 3742200 | 10548, 10466, 10468, 10481, 10547, 10455, 10467 | 4079 (2), 7374 (2), 7375 (2), 8136, 8148, 8157, 8264, 8324, 8614, 8638                             |
| 9714                                | $2 \times 8$   | 16    | 3742200 | 10470, 10472, 10425                             | 4086 (4), 7392 (2), 8093, 8103, 8127, 8450, 8559, 8567, 8770                                       |
| 9715                                | $D_8 \times 2$ | 16    | 3742200 | 10471, 10472, 10529 (2), 10482 (2), 10469       | 4087 (4), 7391 (2), 8103, 8127, 8265, 8446, 8564, 8566, 8771                                       |
| 9716                                | $D_8 \cdot 2$  | 16    | 3742200 | 10469, 10430, 10470                             | 4088 (4), 7393 (2), 8094, 8127, 8449, 8453, 8563, 8770, 8772                                       |
| 9717                                | $D_8 \cdot 2$  | 16    | 3742200 | 10471, 10430, 10425                             | 4089 (4), 7394 (2), 8095, 8127, 8452, 8453, 8562, 8771, 8773                                       |
| 9718                                | $2^2 \times 4$ | 16    | 1871100 | 10465, 10488, 10514, 10464, 10454, 10440, 10468 | 4108 (2), 8130, 8133, 8153, 8155, 8157, 8158, 8159, 8266, 8522, 8608, 8627, 8631, 8635, 8640, 8644 |
| 9719                                | $D_8 \times 2$ | 16    | 1871100 | 10465, 10466 (2), 10550, 10452 (2), 10549       | 4109 (2), 8130, 8132, 8150, 8152, 8156, 8160, 8161, 8267, 8530, 8605, 8620, 8625, 8634, 8646, 8649 |
| 9720                                | $D_8 \times 2$ | 16    | 1871100 | 10466, 10464, 10453, 10551, 10519, 10467, 10489 | 4110 (2), 8132 (2), 8133, 8157 (2), 8268, 8603 (2), 8606, 8637 (2)                                 |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 9721                                | $D_8 \times 2$   | 16    | 935550  | 10541 (2), 10461 (4), 10448               | 4128 (4), 8085 (4), 8137, 8163 (2), 8169 (2), 8170 (2), 8225 (2), 8226 (2), 8617, 8678, 8841 (2)                                 |
| 9722                                | $2 \times 4 : 2$ | 16    | 1871100 | 10511, 10448, 10475                       | 4129 (2), 4130 (2), 8138, 8162, 8163, 8171, 8173, 8174, 8175, 8201, 8202, 8205, 8208, 8642, 8799, 8841, 8844                     |
| 9723                                | $2 \times 4 : 2$ | 16    | 1871100 | 10541, 10475, 10449                       | 4131 (2), 4132 (2), 8139, 8140, 8163, 8178, 8180, 8182, 8184, 8194, 8199, 8214, 8223, 8623, 8624, 8664, 8764                     |
| 9724                                | $2^3 \cdot 2$    | 16    | 935550  | 10475 (2), 10538                          | 4133 (4), 8088 (4), 8139 (2), 8162, 8177 (2), 8181 (2), 8192 (2), 8224 (2), 8633 (2), 8666, 8809                                 |
| 9725                                | $2 \times 4 : 2$ | 16    | 1871100 | 10507, 10483, 10473                       | 4151 (2), 4328 (2), 5807 (4), 7462 (2), 8109, 8142, 8145, 8165, 8166, 8172, 8193, 8203, 8209, 8215, 8219, 8243, 8416, 8671, 8793 |
| 9726                                | $2 \times 4 : 2$ | 16    | 1871100 | 10511, 10473, 10503                       | 4152 (2), 5808 (4), 7466 (2), 8145, 8167, 8168, 8201, 8204, 8209, 8220, 8235, 8239, 8413, 8435, 8645, 8656, 8663, 8786           |
| 9727                                | $D_8 \times 2$   | 16    | 1871100 | 10436 (2), 10480 (2), 10507, 10475, 10541 | 4256 (2), 7306 (4), 7665 (2), 8129, 8139, 8163, 8165, 8179, 8188, 8193, 8210, 8222, 8269, 8283, 8415, 8442, 8621, 8767           |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9728                                | $D_8 \times 2$   | 16    | 1871100 | 10476 (2), 10475, 10445 (2), 10511, 10535       | 4257 (2), 7264 (8), 7308 (4), 7598 (2), 7599 (2), 8129, 8140, 8162, 8167, 8185, 8189, 8200, 8211, 8212, 8254, 8271, 8377, 8396, 8414, 8433 |
| 9729                                | $D_8 \times 2$   | 16    | 1871100 | 10511, 10481 (2), 10477 (2), 10541, 10449       | 4258 (2), 7309 (4), 8140, 8148, 8163, 8168, 8183, 8196, 8198, 8213, 8221, 8276, 8280, 8626, 8628, 8664, 8746                               |
| 9730                                | $2 \times 4 : 2$ | 16    | 1871100 | 10512, 10473, 10449                             | 4268 (2), 4337 (2), 7376, 8114, 8135, 8151, 8164, 8166, 8168, 8172, 8180, 8182, 8198, 8204, 8308, 8315, 8397, 8501                         |
| 9731                                | $2 \times 4 : 2$ | 16    | 1871100 | 10506, 10473, 10475                             | 4269 (2), 5829 (4), 7377, 7453 (2), 7454 (4), 8142, 8164, 8165, 8167, 8173, 8177, 8182, 8239, 8241, 8305, 8309, 8484, 8497, 8499, 8519     |
| 9732                                | $D_8 \times 2$   | 16    | 3742200 | 10439, 10481, 10442, 10478, 10494, 10547, 10479 | 4278 (2), 7378 (2), 7380 (2), 7699 (2), 7700 (2), 8148, 8186, 8195, 8250, 8321, 8325, 8783   |
| 9733                                | $D_8 \times 2$   | 16    | 3742200 | 10474, 10455, 10477, 10478, 10546, 10548, 10479 | 4279 (2), 7379 (2), 7381 (2), 8148, 8196, 8197, 8323, 8335, 8638, 8775   |
| 9734                                | $D_8 \times 2$   | 16    | 3742200 | 10476, 10474, 10435, 10480, 10536, 10542, 10446 | 4280 (2), 7265 (4), 7383 (2), 7384 (2), 7624 (2), 7787, 8129, 8187, 8189, 8258, 8285, 8473, 8507   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9735                                | $2^3 \cdot 2$  | 16    | 1871100 | 10483, 10448, 10512                             | 4291 (2), 4325 (2),<br>7389, 8108, 8134,<br>8147, 8169, 8170,<br>8171, 8172, 8175,<br>8176, 8202, 8205,<br>8383, 8458, 8520,<br>8528                       |
| 9736                                | $2^2 \times 4$ | 16    | 623700  | 10512, 10454 (3),<br>10475 (3)                  | 4303 (2), 7390, 8155,<br>8164 (3), 8171 (3),<br>8179, 8181 (3), 8184<br>(3), 8185, 8398,<br>8460, 8461, 8486 (3),<br>8500 (3), 8506 (3),<br>8522, 8523 (3) |
| 9737                                | $D_8 \times 2$ | 16    | 1871100 | 10438 (2), 10478 (2),<br>10512, 10538, 10483    | 4324 (2), 7336 (4),<br>7444, 8108, 8131,<br>8149, 8166, 8181,<br>8186, 8191, 8192,<br>8197, 8260, 8282,<br>8303, 8313, 8389,<br>8510                       |
| 9738                                | $D_8 \times 2$ | 16    | 1871100 | 10439 (2), 10487 (2),<br>10507, 10539, 10483    | 4326 (2), 7330 (4),<br>7749 (2), 8109, 8143,<br>8146, 8176, 8186,<br>8195, 8210, 8217,<br>8222, 8278, 8279,<br>8302, 8423, 8671,<br>8781                   |
| 9739                                | $2^3 \cdot 2$  | 16    | 1871100 | 10483, 10449, 10549                             | 4330 (2), 4331 (2),<br>8110, 8152, 8161,<br>8166, 8176, 8178,<br>8194, 8206, 8213,<br>8218, 8221, 8501,<br>8529, 8670, 8711                                |
| 9740                                | $2^2 \times 4$ | 16    | 1871100 | 10483, 10440 (2),<br>10449, 10514, 10479<br>(2) | 4332 (2), 7355 (4),<br>8110, 8153, 8159,<br>8172, 8186, 8196,<br>8214, 8216, 8223,<br>8277, 8280, 8315,<br>8503, 8670, 8782                                |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups   |
| 9741                                | $D_8 \times 2$ | 16    | 935550  | 10473, 10432 (4),<br>10538, 10549                     | 4333 (4), 8113, 8156<br>(2), 8166 (2), 8177<br>(2), 8220 (2), 8228<br>(2), 8510 (2), 8668,<br>8713, 9050 (4)                         |
| 9742                                | $2^2 \times 4$ | 16    | 935550  | 10473, 10484 (2),<br>10448, 10514, 10485<br>(2)       | 4335 (4), 8113, 8158<br>(2), 8172 (2), 8173<br>(2), 8201 (2), 8225<br>(2), 8520 (2), 8792,<br>8843, 9056 (4)                         |
| 9743                                | $D_8 \times 2$ | 16    | 935550  | 10539, 10431 (4),<br>10448, 10549                     | 4336 (4), 8113, 8160<br>(2), 8174 (2), 8176<br>(2), 8208 (2), 8226<br>(2), 8528 (2), 8709,<br>8843, 9052 (4)                         |
| 9744                                | $D_8 \times 2$ | 16    | 1871100 | 10539, 10481 (2),<br>10449, 10512, 10443<br>(2)       | 4338 (2), 7345 (4),<br>7770, 8114, 8136,<br>8154, 8176, 8183,<br>8184, 8186, 8199,<br>8207, 8261, 8276,<br>8308, 8386, 8503,<br>8529 |
| 9745                                | $D_8 \times 2$ | 16    | 1871100 | 10512, 10486 (2),<br>10541, 10435 (2),<br>10451       | 4345 (2), 7801, 8128,<br>8169, 8187, 8188,<br>8191, 8198, 8199,<br>8262, 8376, 8491,<br>8493, 8495, 8498,<br>8506, 8507              |
| 9746                                | $D_8 \times 2$ | 16    | 3742200 | 10435, 10452, 10445,<br>10480, 10517, 10488,<br>10544 | 4347 (2), 7807, 8130,<br>8188, 8189, 8267,<br>8377, 8473, 8495   |
| 9747                                | $D_8 \times 2$ | 16    | 1871100 | 10541, 10437 (2),<br>10454, 10480 (2),<br>10549       | 4348 (2), 8130, 8178,<br>8179, 8187, 8213,<br>8226, 8228, 8460,<br>8469, 8625, 8631,<br>8766, 8832, 8835,<br>8851                    |
| 9748                                | $D_8 \times 2$ | 16    | 1871100 | 10541, 10478 (2),<br>10543, 10486 (2),<br>10483       | 4349 (2), 8131, 8170,<br>8190, 8193, 8194,<br>8195, 8196, 8470,<br>8471, 8493, 8619,<br>8654, 8655, 8834,<br>8835                    |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups  |
| 9749                                | $D_8 \times 2$   | 16    | 1871100 | 10480 (2), 10453 (2),<br>10549, 10475, 10543          | 4350 (2), 8132, 8177,<br>8179, 8189, 8194,<br>8206, 8208, 8472,<br>8475, 8508, 8603,<br>8634, 8660, 8835,<br>8836       |
| 9750                                | $D_8 \times 2$   | 16    | 1871100 | 10445 (2), 10550,<br>10475, 10512, 10489<br>(2)       | 4351 (2), 7478, 8132,<br>8182, 8185, 8188,<br>8192, 8205, 8207,<br>8267, 8291, 8304,<br>8316, 8319, 8396,<br>8500, 8509 |
| 9751                                | $D_8 \times 2$   | 16    | 3742200 | 10525, 10452, 10446,<br>10480, 10519, 10489,<br>10486 | 4352 (2), 8132, 8187,<br>8188, 8473, 8474,<br>8620, 8630  |
| 9752                                | $D_8 \times 2$   | 16    | 1871100 | 10476, 10488, 10517,<br>10474, 10438, 10453,<br>10546 | 4353 (2), 7808, 8133,<br>8189 (2), 8197 (2),<br>8268, 8381, 8472 (2),<br>8517 (2)                                       |
| 9753                                | $D_8 \times 2$   | 16    | 1871100 | 10542, 10474, 10519,<br>10486, 10440, 10477,<br>10437 | 4354 (2), 8133, 8187<br>(2), 8196 (2), 8478,<br>8480, 8631 (2), 8874<br>(2)   |
| 9754                                | $D_8 \times 2$   | 16    | 1871100 | 10476, 10454, 10512,<br>10477, 10443, 10489,<br>10511 | 4355 (2), 7804, 8133,<br>8183, 8185, 8187,<br>8197, 8202, 8204,<br>8266, 8380, 8461,<br>8469, 8502, 8515,<br>8521, 8523 |
| 9755                                | $D_8 \times 2$   | 16    | 1871100 | 10436, 10488, 10494,<br>10486, 10439, 10489,<br>10544 | 4357 (2), 8133, 8188<br>(2), 8195 (2), 8477,<br>8479, 8621 (2), 8876<br>(2)   |
| 9756                                | $2 \times 4 : 2$ | 16    | 1871100 | 10543, 10473, 10475                                   | 4359 (2), 8135, 8177,<br>8180, 8193, 8200,<br>8201, 8203, 8484,<br>8486, 8509, 8632,<br>8656, 8658, 8834,<br>8836       |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9757                                | $D_8 \times 2$       | 16    | 3742200 | 10438, 10479, 10517, 10455, 10443, 10487, 10547 | 4360 (2), 7641 (2), 7643 (2), 7791, 8136, 8186, 8197, 8264, 8323, 8387, 8514   |
| 9758                                | $D_8 \times 2$       | 16    | 3742200 | 10486, 10479, 10437, 10548, 10544, 10487, 10481 | 4361 (2), 8136, 8195, 8196, 8487, 8488, 8874, 8875   |
| 9759                                | $2 \times 4 : 2$     | 16    | 1871100 | 10503, 10541, 10483                             | 4363 (2), 7733 (2), 8141, 8170, 8191, 8209, 8210, 8213, 8214, 8296, 8406, 8441, 8445, 8619, 8663, 8742, 8833           |
| 9760                                | $2 \times 4 \cdot 2$ | 16    | 1871100 | 10475, 10483, 10508                             | 4364 (2), 5833 (4), 7463 (2), 8142, 8171, 8192, 8194, 8210, 8211, 8216, 8242, 8244, 8311, 8418, 8632, 8665, 8674, 8797 |
| 9761                                | $D_8 \times 2$       | 16    | 1871100 | 10474 (2), 10483, 10511, 10487 (2), 10545       | 4365 (2), 7745 (2), 8143, 8175, 8196, 8197, 8209, 8211, 8218, 8312, 8422, 8436, 8438, 8639, 8777, 8840, 8850           |
| 9762                                | $D_8 \times 2$       | 16    | 1871100 | 10541, 10482 (4), 10473, 10545                  | 4367 (2), 7737 (2), 8144, 8165, 8180, 8198, 8209, 8225, 8228, 8309, 8417, 8435, 8446, 8629, 8765, 8834, 8840           |
| 9763                                | $2^3 \cdot 2$        | 16    | 1871100 | 10475, 10483, 10545                             | 4368 (2), 7738 (2), 8146, 8165, 8181, 8205, 8206, 8211, 8223, 8317, 8418, 8438, 8445, 8647, 8802, 8834, 8850           |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 9764                                | $2^3 \cdot 2$        | 16    | 1871100 | 10475, 10503, 10539                       | 4369 (2), 7740 (2), 8146, 8167, 8184, 8207, 8208, 8210, 8224, 8299, 8318, 8411, 8434, 8648, 8656, 8790, 8833 |
| 9765                                | $2 \times 4 \cdot 2$ | 16    | 1871100 | 10465, 10451, 10483                       | 4378 (2), 8147, 8190, 8191, 8215, 8216, 8217, 8218, 8293, 8491, 8492, 8610, 8640, 8641, 8646, 8647           |
| 9766                                | $2 \times 4 : 2$     | 16    | 1871100 | 10541, 10451, 10483                       | 4379 (2), 8149, 8169, 8190, 8219, 8221, 8222, 8223, 8491, 8492, 8493, 8673, 8674, 8742, 8840, 8851           |
| 9767                                | $D_8 \times 2$       | 16    | 1871100 | 10474 (2), 10451, 10511, 10452 (2), 10549 | 4380 (2), 8150, 8174, 8187, 8189, 8218, 8220, 8221, 8474, 8495, 8527, 8605, 8646, 8660, 8842, 8851           |
| 9768                                | $2 \times 4 : 2$     | 16    | 1871100 | 10511, 10451, 10473                       | 4381 (2), 8151, 8173, 8198, 8200, 8215, 8219, 8220, 8497, 8498, 8521, 8641, 8658, 8786, 8840, 8842           |
| 9769                                | $2^3 \cdot 2$        | 16    | 1871100 | 10483, 10475, 10550                       | 4382 (2), 8152, 8175, 8192, 8193, 8212, 8214, 8217, 8319, 8499, 8500, 8634, 8648, 8665, 8673, 8802           |
| 9770                                | $2^2 \times 4$       | 16    | 1871100 | 10483, 10479 (2), 10511, 10454, 10488 (2) | 4383 (2), 8153, 8171, 8195, 8197, 8212, 8213, 8215, 8502, 8504, 8523, 8635, 8645, 8776, 8850, 8851           |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9771                                | $2 \times 4 : 2$     | 16    | 1871100 | 10539, 10451, 10475                             | 4384 (2), 8154, 8174, 8199, 8200, 8217, 8222, 8224, 8316, 8497, 8506, 8647, 8660, 8674, 8790, 8845 |
| 9772                                | $2^2 \times 4$       | 16    | 1871100 | 10514, 10488 (2), 10446 (2), 10475, 10451       | 4385 (2), 8155, 8173, 8188, 8189, 8216, 8223, 8224, 8314, 8474, 8507, 8604, 8640, 8658, 8673, 8845 |
| 9773                                | $D_8 \times 2$       | 16    | 1871100 | 10550, 10490 (4), 10473, 10541                  | 4391 (2), 8156, 8168, 8182, 8193, 8219, 8225, 8227, 8498, 8499, 8509, 8622, 8625, 8662, 8663, 8765 |
| 9774                                | $D_8 \times 2$       | 16    | 3742200 | 10440, 10481, 10519, 10487, 10551, 10455, 10478 | 4392 (2), 7698 (2), 7701 (2), 8157, 8186, 8196, 8324, 8335, 8514, 8784                             |
| 9775                                | $D_8 \times 2$       | 16    | 1871100 | 10454, 10481 (2), 10489 (2), 10541, 10539       | 4393 (2), 8157, 8183, 8184, 8195, 8222, 8226, 8227, 8504, 8506, 8515, 8627, 8629, 8747, 8832, 8833 |
| 9776                                | $D_8 \times 2$       | 16    | 3742200 | 10453, 10487, 10489, 10478, 10488, 10548, 10547 | 4394 (2), 8157, 8195, 8197, 8513, 8517, 8637, 8778   |
| 9777                                | $4^2$                | 16    | 1871100 | 10454, 10465, 10473                             | 4395 (2), 8158, 8164, 8203, 8204, 8215, 8227, 8228, 8486, 8519, 8521, 8612, 8625, 8629, 8644, 8645 |
| 9778                                | $2 \times 4 \cdot 2$ | 16    | 1871100 | 10454, 10483, 10475                             | 4396 (2), 8159, 8178, 8181, 8202, 8203, 8212, 8222, 8500, 8519, 8523, 8640, 8797, 8833, 8835, 8850 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9779                                | $D_8 \times 2$ | 16    | 7484400 | 10530, 10482, 10529, 10490, 10484, 10461, 10457 | 4427 (2), 7459 (2), 8225, 8265, 8566   |
| 9780                                | $D_8 \times 2$ | 16    | 7484400 | 10589, 10461, 10593, 10457, 10485, 10482, 10490 | 4428 (2), 7637 (2), 8225, 8265, 9023   |
| 9781                                | $2^4$          | 16    | 89100   | 10559 (7), 10562 (7), 10491                     | 5036 (8), 7398 (28), 7399 (2), 8230, 8326 (21), 8349 (21)  |
| 9782                                | $D_8 \times 2$ | 16    | 623700  | 10494, 10497, 10493, 10439, 10496, 10495, 10492 | 5037 (16), 5842 (12), 7395 (4), 7403, 7484 (6), 7506 (4), 7625 (12), 8240 (3), 8250 (6), 8263, 8279 (6), 8479 (3)                                  |
| 9783                                | $2^4$          | 16    | 44550   | 10595 (7), 10554 (7), 10491                     | 5038 (8), 7402 (28), 8229, 8230, 8231, 8327 (21), 8347 (21), 8354 (21), 8357 (21)  |
| 9784                                | $2^2 \times 4$ | 16    | 3742200 | 10499, 10484, 10472, 10501, 10498, 10502, 10500 | 5803 (8), 8100, 8289, 8350, 8561, 8700, 9056, 9059   |
| 9785                                | $2^2 \times 4$ | 16    | 623700  | 10503 (3), 10465 (3), 10512                     | 5809 (4), 7297 (6), 7439, 8134 (3), 8191 (3), 8204 (3), 8207 (3), 8232, 8233 (3), 8235 (3), 8252, 8272, 8290, 8382, 8406 (3), 8434 (3), 8522, 8530 |
| 9786                                | $2^2 \times 4$ | 16    | 311850  | 10507, 10504 (2), 10464 (2), 10508, 10503       | 5810 (8), 7327 (8), 7426 (4), 8119 (3), 8124 (3), 8145 (6), 8210 (6), 8232 (6), 8238, 8253, 8281 (6), 8428, 8606 (3), 8608 (3)                     |
| 9787                                | $2^2 \times 4$ | 16    | 1871100 | 10503, 10505 (2), 10475, 10514, 10464 (2)       | 5811 (4), 7354 (4), 7425 (2), 8159, 8201, 8214, 8224, 8232, 8239, 8244, 8254, 8283, 8291, 8411, 8445, 8522, 8603, 8604                             |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups  |
| 9788                                | $2^2 \times 4$ | 16    | 1871100 | 10504, 10465, 10446, 10508, 10514, 10505, 10493 | 5814 (4), 5835 (4), 7352 (4), 7353 (4), 7416 (2), 8158, 8216, 8232, 8234, 8236, 8240, 8244, 8277, 8284, 8285, 8292, 8314, 8425, 8608, 8620      |
| 9789                                | $4^2$          | 16    | 935550  | 10465 (2), 10509                                | 5815 (8), 7417 (2), 8096 (2), 8101 (2), 8233 (2), 8236, 8237 (2), 8293 (2), 8407, 8429 (2), 8437, 8448 (2), 8611, 8618, 8643 (2), 8644, 8649    |
| 9790                                | $2^2 \times 4$ | 16    | 1871100 | 10465, 10510, 10505 (2), 10513 (2), 10511       | 5817 (4), 7419 (2), 8234, 8235, 8237, 8259, 8294, 8424, 8433, 8436, 8521, 8616, 8628, 8635, 8636, 8642, 8646                                    |
| 9791                                | $2^3 \cdot 2$  | 16    | 311850  | 10503, 10509, 10506                             | 5818 (8), 7413, 7442 (4), 8233 (6), 8238, 8239 (6), 8295, 8296 (6), 8301, 8318 (6), 8483 (3), 8494 (3), 8524 (3), 8531 (3)                      |
| 9792                                | $D_8 \times 2$ | 16    | 311850  | 10507, 10526, 10508, 10436, 10506, 10520, 10492 | 5819 (8), 7321 (8), 7322 (24), 7432, 7458 (4), 8122 (3), 8142 (6), 8238, 8240 (6), 8253, 8269 (6), 8274 (3), 8279 (6), 8297, 8479 (3), 8481 (3) |
| 9793                                | $2^2 \times 4$ | 16    | 103950  | 10508 (3), 10510 (3), 10506                     | 5820 (8), 7434, 7456 (4), 7457 (8), 8234 (6), 8238 (3), 8241 (18), 8297, 8298 (6), 8300 (3), 8311 (18), 8485 (3), 8496 (9), 8511 (3), 8518 (9)  |
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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9794                                | $2 \times 4 \cdot 2$ | 16    | 311850  | 10503, 10508, 10510                             | 5821 (8), 7469 (4), 8235 (6), 8238, 8244 (6), 8299 (6), 8300, 8428, 8441 (6), 8657 (3), 8672 (3), 8791 (3), 8879 (3)                                   |
| 9795                                | $4^2$                | 16    | 155925  | 10508 (2), 10509                                | 5822 (16), 7471 (4), 8097 (12), 8099 (6), 8236 (6), 8238 (2), 8242 (12), 8426, 8431 (2), 8443 (6), 8659 (6), 8667 (3), 8798 (3)                        |
| 9796                                | $2 \times 4 : 2$     | 16    | 311850  | 10507, 10509, 10510                             | 5823 (8), 7473 (4), 8237 (6), 8238, 8243 (6), 8301, 8302 (6), 8427, 8442 (6), 8661 (3), 8669 (3), 8794 (3), 8878 (3)                                   |
| 9797                                | $D_8 \times 2$       | 16    | 1871100 | 10516, 10465, 10495, 10512, 10506, 10523, 10435 | 5824 (4), 7280, 7281, 7331 (4), 7332 (4), 7397 (4), 7443 (2), 8147, 8164, 8233, 8240, 8241, 8252, 8255, 8257, 8258, 8259, 8260, 8261, 8262, 8266, 8267 |
| 9798                                | $2^2 \times 4$       | 16    | 1871100 | 10508, 10483, 10493 (2), 10513 (2), 10511       | 5825 (4), 7328 (4), 7465 (2), 8145, 8202, 8211, 8221, 8234, 8242, 8277, 8279, 8282, 8422, 8441, 8641, 8655, 8665, 8776                                 |
| 9799                                | $2 \times 4 : 2$     | 16    | 1871100 | 10512, 10483, 10509                             | 5826 (4), 7433, 7460 (2), 8233, 8242, 8243, 8245, 8293, 8296, 8302, 8303, 8315, 8319, 8383, 8438, 8493, 8523, 8529                                     |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 9800                                | $2^2 \times 4$   | 16    | 623700  | 10508 (3), 10475 (3),<br>10512   | 5827 (4), 7298 (6),<br>7435, 8135 (3), 8192<br>(3), 8199 (3), 8202<br>(3), 8232, 8241 (3),<br>8242 (3), 8269, 8271,<br>8299 (3), 8304, 8314,<br>8398, 8418 (3), 8508                        |
| 9801                                | $D_8 \times 2$   | 16    | 1871100 | 10521, 10511, 10512,<br>10497, 10445, 10527,<br>10508                    | 5828 (4), 7339 (4),<br>7340 (4), 7431, 7468<br>(2), 8151, 8171,<br>8235, 8240, 8242,<br>8271, 8276, 8281,<br>8282, 8292, 8298,<br>8304, 8380, 8422,<br>8495                                 |
| 9802                                | $2^4$            | 16    | 623700  | 10506, 10514 (3),<br>10525 (3), 10522,<br>10524 (3), 10511 (3),<br>10496 | 5830 (4), 7343 (4),<br>7344 (4), 7438, 7455<br>(2), 8153, 8173 (3),<br>8234, 8239 (3), 8240<br>(3), 8254 (3), 8266<br>(3), 8270, 8275, 8280<br>(3), 8306, 8307, 8312<br>(3), 8474 (3), 8476 |
| 9803                                | $2 \times 4 : 2$ | 16    | 1871100 | 10510, 10512, 10473  | 5831 (4), 7440, 7467<br>(2), 8235, 8241,<br>8243, 8248, 8308,<br>8309, 8397, 8416,<br>8435, 8486, 8498,<br>8509, 8510, 8520,<br>8521  |
| 9804                                | $2^4$            | 16    | 623700  | 10518, 10507 (3),<br>10514 (3), 10519 (3),<br>10494 (3), 10517,<br>10512 | 5832 (4), 7296 (6),<br>7347 (4), 7348 (4),<br>7441, 8133 (3), 8155,<br>8172 (3), 8186 (3),<br>8188 (3), 8232, 8240<br>(3), 8243 (3), 8247,<br>8270, 8273, 8283 (3),<br>8310, 8378, 8423 (3) |
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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9805                                | $2^2 \times 4$       | 16    | 1871100 | 10446 (2), 10510, 10483, 10514, 10513 (2)       | 5834 (4), 7464 (2), 8234, 8243, 8244, 8312, 8313, 8423, 8444, 8445, 8520, 8635, 8640, 8654, 8670, 8673, 8782                                 |
| 9806                                | $2^2 \times 4$       | 16    | 935550  | 10514, 10515 (2), 10472 (2), 10473, 10509       | 5836 (8), 7470 (2), 8098 (2), 8100 (2), 8236, 8239 (2), 8243 (2), 8315 (2), 8412, 8440 (2), 8446, 8450 (2), 8644, 8658 (2), 8662, 8668, 8792 |
| 9807                                | $2 \times 4 \cdot 2$ | 16    | 1871100 | 10475, 10465, 10510                             | 5837 (4), 7475 (2), 8237, 8241, 8244, 8316, 8317, 8415, 8433, 8434, 8486, 8613, 8623, 8633, 8634, 8640, 8642                                 |
| 9808                                | $2^3 \cdot 2$        | 16    | 1871100 | 10475, 10509, 10511                             | 5838 (4), 7472 (2), 8237, 8239, 8242, 8318, 8319, 8414, 8438, 8442, 8523, 8643, 8658, 8660, 8664, 8666, 8799                                 |
| 9809                                | $D_8 \times 2$       | 16    | 1871100 | 10516, 10466, 10520, 10445, 10496, 10505, 10517 | 5839 (4), 7282, 7283, 7481 (2), 7567 (4), 7569 (4), 8240, 8254 (2), 8256, 8259 (2), 8264 (2), 8267 (2), 8268                                 |
| 9810                                | $D_8 \times 2$       | 16    | 41580   | 10518, 10504, 10463, 10521, 10492, 10522, 10516 | 5840 (36), 7276, 7277, 7482 (6), 7509 (20), 7510 (20), 8240 (45), 8253 (15), 8263 (15)   |
| 9811                                | $D_8 \times 2$       | 16    | 1871100 | 10522, 10527, 10446, 10495, 10519, 10474, 10520 | 5841 (4), 7479, 7483 (2), 7622 (8), 7623 (4), 7626 (8), 7628 (4), 8240, 8258 (2), 8268, 8312 (2), 8335 (2), 8474 (2), 8480                   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 9812                                | $D_8 \times 2$ | 16    | 1871100 | 10521, 10524, 10493, 10435, 10526, 10474, 10517                            | 5843 (4), 7485, 7487 (2), 7630 (4), 7635 (4), 8240, 8285 (2), 8323 (2), 8381, 8422 (2), 8478, 8495 (2)                                   |
| 9813                                | $D_8 \times 2$ | 16    | 1871100 | 10463, 10524, 10494, 10523, 10436, 10527, 10505                            | 5845 (4), 7488 (2), 7686 (4), 7688 (4), 8240, 8283 (2), 8325 (2), 8424 (2), 8477, 8607, 8621 (2)   |
| 9814                                | $D_8 \times 2$ | 16    | 1871100 | 10504, 10466, 10519, 10497, 10525, 10523, 10526                            | 5846 (4), 7489 (2), 7685 (4), 7687 (4), 8240, 8281 (2), 8324 (2), 8425 (2), 8478, 8606, 8620 (2)   |
| 9815                                | $2^4$          | 16    | 62370   | 10512 (10), 10535 (5)  | 5847 (6), 7291 (10), 7519 (10), 8108 (15), 8114 (15), 8128 (10), 8185 (10), 8245 (15), 8246, 8247, 8248 (15), 8249, 8252 (10), 8271 (10) |
| 9816                                | $2^4$          | 16    | 1871100 | 10529 (2), 10530 (2), 10531, 10581 (2), 10583 (4), 10528, 10494 (2), 10567 | 7252 (4), 7545 (4), 8250, 8273 (2), 8325 (2), 8566 (2), 8743, 8873 (2), 8876   |
| 9817                                | $D_8 \times 2$ | 16    | 1871100 | 10495 (2), 10566, 10528, 10478 (2), 10532                                  | 7253 (4), 7533 (4), 7534 (8), 7764, 8250, 8260 (2), 8335 (2), 8465 (2), 8471, 8513, 8557 (2)   |
| 9818                                | $2^4$          | 16    | 623700  | 10531 (3), 10533 (3), 10547 (6), 10566, 10496 (2)                          | 7254 (4), 7539 (4), 7765, 8250 (3), 8264 (6), 8275 (2), 8467 (2), 8489, 8513 (3), 8557 (6)   |
| 9819                                | $D_8 \times 2$ | 16    | 1871100 | 10528, 10497 (2), 10568, 10481 (2), 10533                                  | 7255 (4), 7553 (4), 8250, 8276 (2), 8324 (2), 8577 (2), 8747, 8872 (2), 8875   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups   |
| 9820                                | $2^2 \times 4$ | 16    | 1871100 | 10531, 10493 (2),<br>10479 (2), 10568,<br>10532       | 7256 (4), 7556 (4),<br>8250, 8277 (2), 8323<br>(2), 8580 (2), 8776,<br>8872 (2), 8875  |
| 9821                                | $D_8 \times 2$ | 16    | 1871100 | 10567, 10598 (2),<br>10532, 10439 (2),<br>10533       | 7257 (4), 7558 (4),<br>8250, 8278 (2), 8321<br>(2), 8585 (2), 8781,<br>8873 (2), 8876  |
| 9822                                | $2^4$          | 16    | 51975   | 10507 (6), 10536 (4),<br>10518 (4), 10535             | 7262 (32), 7292 (16),<br>7594 (4), 7595 (4),<br>8109 (18), 8112 (9),<br>8115 (18), 8129 (36),<br>8247 (6), 8253 (6),<br>8378 (3), 8427 (3)             |
| 9823                                | $D_8 \times 2$ | 16    | 3742200 | 10556, 10447, 10555,<br>10444, 10537, 10553,<br>10554 | 7269 (2), 7270 (4),<br>8251, 8347, 8348,<br>8824, 8884, 9048,<br>9049  |
| 9824                                | $D_8 \times 2$ | 16    | 1871100 | 10586 (2), 10606,<br>10469 (2), 10461 (2)             | 7271 (8), 8089, 8092<br>(2), 8094 (2), 8265<br>(2), 8463 (2), 8678,<br>8885  |
| 9825                                | $D_8 \times 2$ | 16    | 1871100 | 10557, 10607, 10423,<br>10595, 10580, 10558,<br>10537 | 7272 (4), 7273 (2),<br>8251, 8320, 8322,<br>8327, 8344, 8346,<br>8351, 8352, 8355,<br>8593, 8684, 8901,<br>8930, 8986, 8994                            |
| 9826                                | $D_8 \times 2$ | 16    | 311850  | 10535, 10503, 10462<br>(2), 10516 (2), 10506          | 7274 (2), 7275, 7319<br>(8), 7566 (4), 8116<br>(3), 8121 (3), 8141<br>(6), 8167 (6), 8252<br>(6), 8253, 8254 (6),<br>8255 (3), 8256 (3),<br>8295, 8300 |
| 9827                                | $D_8 \times 2$ | 16    | 623700  | 10516, 10464, 10520,<br>10536, 10522, 10577,<br>10476 | 7278, 7279, 7396 (8),<br>7507 (4), 7511 (4),<br>7568 (4), 8253, 8254<br>(6), 8258 (6), 8266<br>(3), 8268 (3)   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 9828                                | $D_8 \times 2$ | 16    | 623700  | 10569, 10572, 10438, 10467, 10516, 10566, 10495                 | 7284, 7285, 7501 (4), 7535 (4), 8255 (3), 8260 (6), 8263, 8264 (6), 8268 (3)   |
| 9829                                | $D_8 \times 2$ | 16    | 623700  | 10496, 10576, 10468, 10574, 10564, 10443, 10516                 | 7286, 7287, 7512 (4), 7570 (4), 8256 (3), 8261 (6), 8263, 8264 (6), 8266 (3)   |
| 9830                                | $D_8 \times 2$ | 16    | 3742200 | 10471, 10515, 10482 (2), 10593 (2), 10469                       | 7288 (4), 7762 (2), 8090, 8095, 8265, 8446, 8453, 9023, 9069   |
| 9831                                | $D_8 \times 2$ | 16    | 3742200 | 10469, 10490 (2), 10605, 10472, 10530 (2)                       | 7289 (4), 8091, 8093, 8104, 8265, 8566, 8662, 8770   |
| 9832                                | $2^4$          | 16    | 935550  | 10539, 10547 (4), 10551 (4), 10500 (2), 10538, 10514, 10540 (2) | 7290 (8), 8113, 8157 (2), 8186 (2), 8224 (2), 8275 (2), 8284 (2), 8289 (4), 8313 (2), 8668, 8697   |
| 9833                                | $2^4$          | 16    | 311850  | 10535, 10514 (3), 10536 (4), 10517 (4), 10549 (3)               | 7293 (8), 7600 (4), 7601 (2), 8110 (3), 8113 (3), 8130 (6), 8189 (6), 8247, 8249, 8254 (6), 8285 (6), 8395, 8412 (3), 8444 (3)   |
| 9834                                | $2^4$          | 16    | 207900  | 10506 (3), 10541 (9), 10512 (3)                                 | 7294 (6), 7427, 7448, 7771 (2), 8131 (3), 8169 (9), 8182 (9), 8183 (3), 8252 (3), 8257 (3), 8262 (3), 8269 (3), 8270, 8296 (9), 8298 (3), 8307, 8309 (9), 8358, 8460 (3) |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 9835                                | $2^4$     | 16    | 623700  | 10536 (2), 10549 (3),<br>10512, 10519 (6),<br>10507 (3)   | 7295 (6), 7338 (4),<br>7429, 8132 (3), 8150,<br>8166 (3), 8176 (3),<br>8179, 8187 (3), 8247,<br>8258 (3), 8269, 8272,<br>8281 (3), 8302 (3),<br>8310, 8395, 8416 (3)          |
| 9836                                | $2^4$     | 16    | 623700  | 10512, 10548 (6),<br>10511 (3), 10545 (3),<br>10517 (2)   | 7299 (6), 7800, 8136<br>(3), 8197 (3), 8198<br>(3), 8205 (3), 8259<br>(3), 8270, 8271,<br>8272, 8388, 8422 (3),<br>8435 (3), 8438 (3),<br>8461, 8516, 8527                    |
| 9837                                | $2^4$     | 16    | 623700  | 10512, 10528 (6),<br>10543 (3), 10569 (2),<br>10541 (3)   | 7310 (4), 7768, 8128,<br>8170 (3), 8179, 8180<br>(3), 8260 (3), 8273,<br>8276 (3), 8290, 8358,<br>8470 (3), 8493 (3),<br>8508, 8509 (3), 8515<br>(3), 8516                    |
| 9838                                | $2^4$     | 16    | 1871100 | 10507, 10548 (2),<br>10529 (4), 10494 (2),<br>10541, 10542 (2),<br>10525 (2), 10511               | 7311 (4), 7334 (4),<br>7667 (2), 8129, 8148,<br>8163, 8187, 8195,<br>8209, 8219, 8270,<br>8273, 8279, 8281,<br>8424, 8442, 8630,<br>8743                                      |
| 9839                                | $2^4$     | 16    | 1871100 | 10541, 10589 (2),<br>10581 (2), 10525 (2),<br>10514, 10530 (2),<br>10570 (2), 10544 (2),<br>10550 | 7312 (4), 8130, 8188,<br>8214, 8225, 8273,<br>8280, 8284, 8291,<br>8307, 8620, 8627,<br>8654, 8662, 8673,<br>8743   |
| 9840                                | $2^4$     | 16    | 311850  | 10506, 10582 (6),<br>10543 (3), 10538 (3),<br>10566 (2)   | 7313 (8), 7766, 8116<br>(3), 8117, 8131 (2),<br>8177 (6), 8260 (6),<br>8274 (3), 8275 (2),<br>8456, 8494 (3), 8511,<br>8512 (3), 8539 (2),<br>8548 (6), 8551 (6),<br>8552 (2) |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 9841                                | $2^4$          | 16    | 935550  | 10525 (2), 10567 (2),<br>10550, 10584 (2),<br>10507, 10583 (4),<br>10551 (2), 10543                     | 7314 (8), 8115, 8120,<br>8132 (2), 8193 (2),<br>8273 (2), 8274, 8278<br>(2), 8476, 8606,<br>8661, 8697 (2), 8784<br>(2), 8838, 8895 (2),<br>8961 (2) |
| 9842                                | $2^4$          | 16    | 1871100 | 10542, 10511, 10583<br>(2), 10590 (2), 10514,<br>10544, 10571 (2),<br>10531 (2), 10551,<br>10546, 10543 | 7315 (4), 8133, 8189,<br>8196, 8201, 8273,<br>8275, 8277, 8292,<br>8476, 8516, 8603,<br>8635, 8654, 8658,<br>8839                                    |
| 9843                                | $2^2 \times 4$ | 16    | 1871100 | 10465, 10532 (2),<br>10543, 10572 (2),<br>10483   | 7316 (4), 8134, 8190,<br>8203, 8206, 8260,<br>8277, 8278, 8293,<br>8470, 8482, 8619,<br>8632, 8634, 8635,<br>8639                                    |
| 9844                                | $2^2 \times 4$ | 16    | 935550  | 10543, 10585 (2),<br>10449, 10508, 10568<br>(2)   | 7317 (8), 8118, 8119,<br>8135 (2), 8194 (2),<br>8274, 8276 (2), 8277<br>(2), 8485, 8657,<br>8659, 8703 (2), 8837,<br>8894 (2), 8960 (2),<br>8964 (2) |
| 9845                                | $2^4$          | 16    | 1871100 | 10544 (2), 10591 (4),<br>10547 (2), 10543,<br>10573 (2), 10511,<br>10533 (2), 10539                     | 7318 (4), 8136, 8195,<br>8200, 8208, 8275,<br>8276, 8278, 8294,<br>8489, 8515, 8639,<br>8655, 8656, 8660,<br>8839                                    |
| 9846                                | $D_8 \times 2$ | 16    | 1871100 | 10506, 10565 (2),<br>10541, 10495 (2),<br>10483   | 7320 (4), 7445, 7651<br>(4), 7653 (2), 8141,<br>8165, 8169, 8178,<br>8257, 8260, 8279,<br>8280, 8296, 8311,<br>8312, 8471, 8492,<br>8499, 8504       |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                       | Minimal Overgroups   |
| 9847                                | $2^4$          | 16    | 623700  | 10511 (3), 10596 (6),<br>10539 (3), 10496 (2),<br>10506 | 7323 (4), 7446, 7654<br>(2), 8143, 8167 (3),<br>8174 (3), 8183, 8259<br>(3), 8261 (3), 8275,<br>8279 (3), 8298, 8306,<br>8318 (3), 8489, 8497<br>(3), 8504 (3), 8526 |
| 9848                                | $2^4$          | 16    | 103950  | 10507 (3), 10542 (6),<br>10545 (3), 10522 (2),<br>10506 | 7324 (8), 7430, 7618<br>(8), 7620 (4), 8117<br>(3), 8123 (9), 8143<br>(6), 8165 (18), 8253<br>(3), 8258 (18), 8270<br>(6), 8297, 8301 (3),<br>8476 (3), 8480 (9)     |
| 9849                                | $D_8 \times 2$ | 16    | 1871100 | 10541, 10497 (2),<br>10508, 10597 (2),<br>10539         | 7325 (4), 7748 (2),<br>8144, 8199, 8210,<br>8226, 8276, 8279,<br>8284, 8298, 8299,<br>8425, 8443, 8622,<br>8655, 8674, 8747  |
| 9850                                | $D_8 \times 2$ | 16    | 311850  | 10535, 10476 (2),<br>10508, 10521 (2),<br>10545         | 7326 (8), 7596 (4),<br>7597 (2), 8118 (3),<br>8125 (3), 8144 (6),<br>8211 (6), 8253, 8271<br>(6), 8285 (6), 8300,<br>8380 (3), 8381 (3),<br>8426                     |
| 9851                                | $D_8 \times 2$ | 16    | 311850  | 10507, 10577 (2),<br>10545, 10463 (2),<br>10503         | 7329 (8), 7675 (4),<br>8120 (3), 8126 (3),<br>8146 (6), 8209 (6),<br>8253, 8272 (6), 8283<br>(6), 8301, 8428, 8607<br>(3), 8609 (3)                                  |
| 9852                                | $2^4$          | 16    | 935550  | 10511 (2), 10579 (4),<br>10547 (4), 10546 (4),<br>10538 | 7333 (8), 8111 (4),<br>8148 (2), 8162, 8197<br>(2), 8220 (2), 8275<br>(2), 8282 (2), 8636<br>(2), 8666, 8779   |
| 9853                                | $D_8 \times 2$ | 16    | 1871100 | 10512, 10523 (2),<br>10541, 10462 (2),<br>10503         | 7335 (4), 7420, 7664<br>(2), 8149, 8168,<br>8170, 8184, 8252,<br>8281, 8283, 8290,<br>8291, 8296, 8299,<br>8376, 8406, 8435,<br>8469                                 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                       | Minimal Overgroups   |
| 9854                                | $2^4$          | 16    | 623700  | 10511 (3), 10581 (6),<br>10550 (3), 10512,<br>10564 (2) | 7337 (4), 7447, 8150,<br>8168 (3), 8175 (3),<br>8185, 8261 (3), 8273,<br>8282 (3), 8294 (3),<br>8304, 8307, 8319 (3),<br>8388, 8498 (3), 8502<br>(3), 8530 |
| 9855                                | $D_8 \times 2$ | 16    | 935550  | 10506, 10588 (2),<br>10574 (2), 10550,<br>10449         | 7341 (8), 7767, 8121,<br>8123, 8152 (2), 8182<br>(2), 8261 (2), 8274,<br>8280 (2), 8459, 8490,<br>8496, 8531, 8545 (2),<br>8551 (2), 8554 (2),<br>8555 (2) |
| 9856                                | $D_8 \times 2$ | 16    | 1871100 | 10506, 10480 (2),<br>10520 (2), 10475,<br>10549         | 7342 (4), 7477, 7615<br>(4), 7617 (2), 8152,<br>8174, 8177, 8178,<br>8254, 8258, 8267,<br>8269, 8305, 8311,<br>8317, 8318, 8460,<br>8474, 8475             |
| 9857                                | $D_8 \times 2$ | 16    | 1871100 | 10545, 10476 (2),<br>10512, 10527 (2),<br>10475         | 7346 (4), 7672 (2),<br>7769, 8154, 8175,<br>8180, 8181, 8258,<br>8271, 8283, 8309,<br>8396, 8418, 8434,<br>8438, 8461, 8472,<br>8507                       |
| 9858                                | $D_8 \times 2$ | 16    | 1871100 | 10549, 10480 (2),<br>10541, 10508, 10526<br>(2)         | 7349 (4), 7666 (2),<br>8156, 8194, 8221,<br>8226, 8269, 8281,<br>8285, 8311, 8417,<br>8441, 8443, 8495,<br>8508, 8620, 8766                                |
| 9859                                | $D_8 \times 2$ | 16    | 935550  | 10550, 10587 (2),<br>10508, 10575 (2),<br>10538         | 7350 (8), 8124, 8125,<br>8156 (2), 8192 (2),<br>8274, 8282 (2), 8284<br>(2), 8511, 8667,<br>8672, 8749 (2), 8780,<br>8894 (2), 8958 (2),<br>8962 (2)       |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 9860                                | $2^4$          | 16    | 1871100 | 10519 (2), 10524 (2), 10529 (2), 10545, 10541, 10514, 10593 (2), 10542 (2), 10548 (2) | 7351 (4), 7668 (2), 8157, 8196, 8223, 8225, 8270, 8283, 8285, 8312, 8425, 8445, 8446, 8507, 8516, 8631, 8743                       |
| 9861                                | $D_8 \times 2$ | 16    | 1871100 | 10550, 10598 (2), 10539, 10465, 10576 (2)   | 7356 (4), 8160, 8207, 8217, 8227, 8261, 8278, 8284, 8294, 8316, 8526, 8615, 8622, 8627, 8648, 8649                                 |
| 9862                                | $D_8 \times 2$ | 16    | 1871100 | 10549, 10474 (2), 10545, 10465, 10577 (2)   | 7357 (4), 7676 (2), 8160, 8206, 8218, 8228, 8258, 8272, 8285, 8317, 8417, 8436, 8437, 8472, 8527, 8605, 8631                       |
| 9863                                | $D_8 \times 2$ | 16    | 1871100 | 10549, 10466 (2), 10503, 10511, 10577 (2)   | 7358 (4), 7677 (2), 8161, 8208, 8213, 8220, 8254, 8272, 8281, 8318, 8413, 8436, 8441, 8469, 8530, 8603, 8605                       |
| 9864                                | $D_8 \times 2$ | 16    | 1871100 | 10550, 10598 (2), 10511, 10578 (2), 10483   | 7359 (4), 8161, 8205, 8212, 8219, 8278, 8280, 8282, 8319, 8502, 8526, 8646, 8654, 8663, 8665, 8777                                 |
| 9865                                | $D_8 \times 2$ | 16    | 1871100 | 10552, 10472, 10559 (2), 10561 (2), 10429   | 7400 (4), 7571 (2), 8103 (2), 8104 (2), 8287, 8326 (2), 8350 (2), 8440, 9060   |
| 9866                                | $D_8 \times 2$ | 16    | 935550  | 10595 (2), 10553 (2), 10607, 10426, 10552   | 7401 (4), 8102 (2), 8105 (2), 8106 (2), 8107 (2), 8286, 8287, 8288, 8327 (2), 8348 (2), 8353 (2), 8356 (2), 8684, 8932, 9000, 9003 |

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|-------------------------------------|------------------|-------|---------|---|--|
| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9867                                | $D_8 \times 2$   | 16    | 3742200 | 10556, 10498, 10558, 10447, 10555, 10534, 10426 | 7404 (4), 8251, 8348, 8362, 8693, 8814, 9048, 9049   |
| 9868                                | $D_8 \times 2$   | 16    | 1871100 | 10538, 10426, 10423, 10498, 10557, 10553, 10554 | 7405 (2), 8251 (2), 8289 (2), 8327, 8813, 8883, 9048 (2), 9050 (2)   |
| 9869                                | $D_8 \times 2$   | 16    | 3742200 | 10539, 10499, 10424, 10429, 10557, 10562, 10561 | 7406 (2), 7591 (2), 8289, 8326, 8352, 8421, 8439, 9052, 9058   |
| 9870                                | $D_8 \times 2$   | 16    | 3742200 | 10557, 10472, 10424, 10559, 10514, 10601, 10560 | 7407 (2), 7590 (2), 8289, 8326, 8351, 8412, 8440, 9047, 9056   |
| 9871                                | $2^4$            | 16    | 623700  | 10608 (6), 10500 (6), 10562, 10554, 10559       | 7408 (4), 8230, 8289 (6), 8350 (6), 8695 (3), 8699 (3)   |
| 9872                                | $D_8 \times 2$   | 16    | 3742200 | 10561, 10433, 10609, 10553, 10500, 10484, 10559 | 7409 (2), 8287, 8289, 8349, 8350, 8699, 9056, 9059   |
| 9873                                | $D_8 \times 2$   | 16    | 3742200 | 10540, 10501, 10431, 10433, 10560, 10562, 10553 | 7410 (2), 8289, 8349, 8353, 8823, 9051, 9052, 9054   |
| 9874                                | $D_8 \times 2$   | 16    | 3742200 | 10540, 10433, 10432, 10502, 10560, 10561, 10554 | 7411 (2), 8289, 8350, 8354, 8823, 8887, 9050, 9051   |
| 9875                                | $2 \times 4 : 2$ | 16    | 7484400 | 10563, 10450, 10502                             | 7412 (2), 8332, 8720, 8804   |
| 9876                                | $D_8 \times 2$   | 16    | 623700  | 10504, 10526, 10542, 10577, 10536, 10521, 10462 | 7421, 7513 (4), 7518 (4), 7574 (4), 8253, 8281 (6), 8285 (6), 8292 (3), 8478 (3)   |
| 9877                                | $D_8 \times 2$   | 16    | 1871100 | 10462, 10610, 10576, 10445, 10505, 10544, 10564 | 7424, 8256, 8291 (2), 8292, 8294 (2), 8377 (2), 8477, 8487 (2)   |
| 9878                                | $2^4$            | 16    | 17325   | 10600 (9), 10506 (6)                            | 7428 (2), 7603 (16), 7605 (16), 7607 (4), 7772 (2), 8257 (36), 8295 (9), 8297 (6), 8305 (54), 8306 (6), 8338 (6), 8340 (36), 8454 (18), 8456 (3), 8457 (27), 8459 (18) |

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|-------------------------------------|----------------|-------|---------|---|---|
| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 9879                                | $D_8 \times 2$ | 16    | 1871100 | 10445 (2), 10597 (2),<br>10512, 10510, 10539                          | 7436, 7730 (2), 8248,<br>8259, 8294, 8298,<br>8299, 8302, 8308,<br>8313, 8316, 8386,<br>8423, 8434, 8506,<br>8515, 8528                       |
| 9880                                | $D_8 \times 2$ | 16    | 311850  | 10520 (2), 10604 (2),<br>10506, 10510, 10545                          | 7437, 7655 (4), 8259<br>(6), 8297, 8300,<br>8301, 8309 (6), 8312<br>(6), 8317 (6), 8490<br>(3), 8505 (3), 8512<br>(3), 8525 (3)               |
| 9881                                | $2^4$          | 16    | 103950  | 10512 (6), 10611 (9)  | 7449 (2), 7773 (2),<br>8246, 8262 (6), 8290<br>(6), 8303 (9), 8304<br>(6), 8308 (18), 8310<br>(2), 8455 (12), 8458<br>(9), 8461 (6)           |
| 9882                                | $D_8 \times 2$ | 16    | 623700  | 10521, 10578, 10575,<br>10438, 10493, 10546,<br>10564                 | 7450, 7514 (4), 7575<br>(4), 8263, 8282 (6),<br>8292 (3), 8323 (6),<br>8381 (3)   |
| 9883                                | $D_8 \times 2$ | 16    | 3742200 | 10513, 10587, 10547,<br>10598, 10564, 10445,<br>10438                 | 7451, 7577 (2), 7578<br>(4), 7581 (2), 8264,<br>8282, 8294, 8313,<br>8321, 8387, 8517   |
| 9884                                | $D_8 \times 2$ | 16    | 3742200 | 10548, 10597, 10487,<br>10513, 10520, 10495,<br>10496                 | 7452, 7576 (2), 7582<br>(4), 7583 (2), 7658<br>(2), 8259, 8264,<br>8279, 8312, 8335,<br>8488, 8513  |
| 9885                                | $2^4$          | 16    | 623700  | 10612 (3), 10570 (3),<br>10613 (3), 10514 (3),<br>10512, 10536, 10564 | 7476, 8249, 8266 (3),<br>8291 (3), 8292 (3),<br>8307, 8310, 8313 (3),<br>8314, 8315 (3), 8378,<br>8503 (3), 8507 (3),<br>8516, 8520 (3), 8522 |
| 9886                                | $D_8 \times 2$ | 16    | 3742200 | 10435, 10532, 10438,<br>10582, 10569, 10478,<br>10565                 | 7490 (2), 7491 (4),<br>7621 (2), 7786, 8260,<br>8321, 8323, 8389,<br>8470, 8514, 8517   |

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|-------------------------------------|----------------|-------|---------|---|--|
| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 9887                                | $D_8 \times 2$ | 16    | 3742200 | 10528, 10572, 10523, 10565, 10478, 10582, 10467                 | 7492 (2), 7547 (2), 8260, 8324, 8325, 8470, 8602, 8637, 8638   |
| 9888                                | $D_8 \times 2$ | 16    | 3742200 | 10494, 10439, 10513, 10597, 10596, 10436, 10565                 | 7493 (2), 7680 (2), 7747 (2), 8279, 8321, 8325, 8423, 8424, 8783, 8876   |
| 9889                                | $D_8 \times 2$ | 16    | 3742200 | 10526, 10596, 10493, 10487, 10497, 10565, 10548                 | 7494 (2), 7681 (2), 7746 (2), 8279, 8323, 8324, 8422, 8425, 8778, 8875   |
| 9890                                | $D_8 \times 2$ | 16    | 3742200 | 10565, 10479, 10524, 10477, 10588, 10578, 10581                 | 7495 (2), 7684 (2), 8280, 8323, 8325, 8502, 8626, 8775, 8874   |
| 9891                                | $D_8 \times 2$ | 16    | 3742200 | 10565, 10440, 10525, 10481, 10588, 10598, 10570                 | 7496 (2), 7683 (2), 8280, 8321, 8324, 8503, 8627, 8784, 8874   |
| 9892                                | $D_8 \times 2$ | 16    | 311850  | 10600, 10552 (2), 10557 (2), 10599, 10491                       | 7497 (4), 7584 (4), 8326 (6), 8327 (3), 8338, 8360, 8400, 8402 (6), 8405 (6), 8408 (6), 8682 (3), 8828 (3), 8829 (3) |
| 9893                                | $D_8 \times 2$ | 16    | 155925  | 10567, 10575, 10566, 10492, 10568, 10574, 10442                 | 7498 (16), 7499 (16), 7774, 8250 (12), 8263 (4), 8274 (12), 8345 (6), 8481 (3), 8537 (6)                             |
| 9894                                | $2^4$          | 16    | 207900  | 10494 (3), 10570 (3), 10518, 10564, 10567 (3), 10569, 10571 (3) | 7500 (4), 7524 (8), 7525 (4), 7777, 8263 (3), 8273 (6), 8321 (18), 8378 (3), 8477 (9)                                |
| 9895                                | $2^4$          | 16    | 207900  | 10571 (3), 10573 (3), 10551 (3), 10546 (3), 10566, 10522, 10496 | 7502 (4), 7536 (8), 7538 (4), 7776, 8263 (3), 8268 (9), 8275 (6), 8335 (18), 8476 (3)                                |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups  |
| 9896                                | $D_8 \times 2$ | 16    | 623700  | 10569, 10443, 10573, 10477, 10568, 10521, 10497 | 7503 (4), 7552 (4), 7778, 8263, 8276 (6), 8323 (6), 8380 (3), 8478 (3)  |
| 9897                                | $2^2 \times 4$ | 16    | 623700  | 10571, 10568, 10504, 10468, 10440, 10572, 10493 | 7504 (4), 7557 (4), 8263, 8277 (6), 8324 (6), 8478 (3), 8608 (3)  |
| 9898                                | $D_8 \times 2$ | 16    | 623700  | 10567, 10576, 10573, 10463, 10572, 10578, 10439 | 7505 (4), 7560 (4), 8263, 8278 (6), 8325 (6), 8477 (3), 8609 (3)  |
| 9899                                | $D_8 \times 2$ | 16    | 623700  | 10495, 10570, 10574, 10440, 10522, 10477, 10578 | 7508 (4), 7572 (8), 7612 (4), 7775, 8263, 8266 (3), 8280 (6), 8335 (6), 8480 (3)                                      |
| 9900                                | $D_8 \times 2$ | 16    | 623700  | 10570, 10575, 10504, 10467, 10551, 10576, 10497 | 7517 (4), 7703 (4), 8263, 8284 (6), 8292 (3), 8324 (6), 8606 (3)  |
| 9901                                | $2^4$          | 16    | 155925  | 10614 (6), 10538 (6), 10580, 10556 (2)          | 7520 (16), 8251 (12), 8331 (12), 8333, 8539 (3), 8675 (6), 8676 (3), 8679 (3), 8738 (3), 8749 (3), 8897 (3), 8905 (6) |
| 9902                                | $2^4$          | 16    | 207900  | 10615 (9), 10563 (6)                            | 7521 (8), 7604 (4), 7782, 8330 (3), 8332 (18), 8337 (3), 8343 (6), 8532 (9)   |
| 9903                                | $D_8 \times 2$ | 16    | 1871100 | 10580, 10555 (2), 10616, 10423 (2), 10614       | 7522 (4), 8251, 8334, 8336, 8344, 8676, 8694, 8706, 8730, 8732, 8734, 8736, 8901, 8930, 8983, 8997                    |
| 9904                                | $2^4$          | 16    | 155925  | 10549 (6), 10617 (6), 10594 (2), 10580          | 7523 (16), 8320 (12), 8333, 8334 (12), 8395 (3), 8475 (3), 8605 (6), 8709 (3), 8711 (6), 8713 (3), 8766 (3), 8940 (3) |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 9905                                | $2 \times 4 : 2$ | 16    | 1871100 | 10580, 10618, 10619   | 7526 (4), 8322, 8331, 8334, 8346, 8355, 8544, 8702, 8715, 8718, 8732, 8736, 8950, 8986, 8997, 9009 |
| 9906                                | $2^4$            | 16    | 1247400 | 10548 (3), 10564, 10584 (3), 10569, 10531 (3), 10517, 10581 (3)                             | 7527 (2), 7639 (2), 7789, 8264 (3), 8273, 8323 (3), 8388, 8487 (3), 8516, 8517 (3)                 |
| 9907                                | $2^4$            | 16    | 3742200 | 10548, 10519, 10581, 10583 (2), 10590 (2), 10570, 10529 (2), 10584, 10571, 10589 (2), 10528 | 7528 (2), 7546 (2), 8273, 8324, 8335, 8516, 8637, 8743, 8874                                       |
| 9908                                | $D_8 \times 2$   | 16    | 1871100 | 10602, 10561 (2), 10560 (2), 10603, 10491   | 7529 (16), 7588 (4), 7589 (2), 8326, 8349, 8354, 8405 (2), 8408 (2), 8725 (2), 8763 (2)            |
| 9909                                | $D_8 \times 2$   | 16    | 1871100 | 10584, 10587, 10455, 10585, 10520, 10574, 10566   | 7530 (8), 7531 (4), 7532 (4), 7781, 8264 (2), 8274, 8335 (2), 8490, 8512, 8542 (2), 8551 (2)       |
| 9910                                | $2^4$            | 16    | 1247400 | 10620 (3), 10529 (3), 10589 (3), 10621 (3), 10593, 10530, 10586                             | 7537 (4), 8265 (6), 8743 (3)   |
| 9911                                | $D_8 \times 2$   | 16    | 1871100 | 10567, 10588, 10582, 10442, 10585, 10587, 10436   | 7540 (4), 7541 (4), 8274, 8321 (2), 8325 (2), 8751 (2), 8785, 8838, 8895 (2)                       |
| 9912                                | $D_8 \times 2$   | 16    | 1871100 | 10584, 10588, 10582, 10455, 10568, 10575, 10526   | 7542 (4), 7543 (4), 8274, 8323 (2), 8324 (2), 8756 (2), 8780, 8837, 8894 (2)                       |
| 9913                                | $D_8 \times 2$   | 16    | 3742200 | 10621, 10490 (2), 10482 (2), 10622, 10586   | 7544 (4), 8265 (2), 8759 (2), 8765   |
| 9914                                | $2^4$            | 16    | 3742200 | 10590 (2), 10540 (2), 10546, 10591 (2), 10531, 10547, 10579 (2), 10573, 10524, 10582, 10596 | 7548 (2), 7670 (2), 8275, 8323, 8325, 8517, 8638, 8779, 8839                                       |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 9915                                | $2^4$          | 16    | 3742200 | 10583 (2), 10551, 10547, 10533, 10571, 10500 (2), 10579 (2), 10591 (2), 10596, 10525, 10582 | 7549 (2), 7669 (2), 8275, 8321, 8324, 8514, 8637, 8697, 8839  |
| 9916                                | $D_8 \times 2$ | 16    | 3742200 | 10569, 10445, 10585, 10481, 10533, 10443, 10597   | 7550 (2), 7563 (4), 7642 (2), 7790, 8264, 8276, 8321, 8386, 8487, 8514, 8515  |
| 9917                                | $D_8 \times 2$ | 16    | 3742200 | 10528, 10527, 10585, 10477, 10573, 10481, 10597   | 7551 (2), 7671 (2), 8276, 8325, 8335, 8515, 8638, 8746, 8874  |
| 9918                                | $2^2 \times 4$ | 16    | 3742200 | 10571, 10440, 10479, 10532, 10513, 10446, 10585   | 7554 (2), 7674 (2), 8277, 8321, 8335, 8514, 8635, 8782, 8874  |
| 9919                                | $2^2 \times 4$ | 16    | 3742200 | 10531, 10479, 10468, 10572, 10513, 10505, 10585   | 7555 (2), 7673 (2), 8264, 8277, 8325, 8487, 8616, 8635, 8638  |
| 9920                                | $D_8 \times 2$ | 16    | 3742200 | 10584, 10576, 10533, 10466, 10572, 10598, 10487   | 7559 (2), 7678 (2), 8264, 8278, 8324, 8487, 8615, 8637, 8639  |
| 9921                                | $D_8 \times 2$ | 16    | 3742200 | 10584, 10474, 10573, 10598, 10532, 10487, 10578   | 7561 (2), 7679 (2), 8278, 8323, 8335, 8517, 8639, 8777, 8874  |
| 9922                                | $D_8 \times 2$ | 16    | 1871100 | 10424 (2), 10623, 10624, 10580, 10592 (2)   | 7562 (4), 8320, 8331, 8336, 8351, 8352, 8544, 8599, 8696, 8730, 8734, 8806, 8950, 8983, 8994, 9009                    |
| 9923                                | $D_8 \times 2$ | 16    | 7484400 | 10563, 10456 (2), 10625 (2), 10450, 10608   | 7564 (2), 8332, 8754, 8804  |
| 9924                                | $2^2 \times 4$ | 16    | 155925  | 10580, 10618 (6)  | 7565 (16), 8322 (12), 8333, 8336 (12), 8547 (3), 8715 (3), 8808 (3), 8810 (3), 8811 (6), 8909 (6), 8943 (3), 8946 (3) |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9925                                | $D_8 \times 2$ | 16    | 3742200 | 10515, 10592, 10540, 10558, 10594, 10432, 10601 | 7580 (4), 8320, 8668, 8887, 8890, 9047, 9051, 9054   |
| 9926                                | $D_8 \times 2$ | 16    | 3742200 | 10594, 10602, 10431, 10537, 10560, 10485, 10592 | 7585 (4), 8320, 8725, 8843, 8892, 9047, 9051, 9054   |
| 9927                                | $D_8 \times 2$ | 16    | 3742200 | 10601, 10561, 10602, 10499, 10560, 10562, 10552 | 7586 (2), 7587 (2), 8326, 8350, 8353, 8405, 8439, 8892, 9051   |
| 9928                                | $2^4$          | 16    | 103950  | 10614 (9), 10595 (3), 10566 (3)                 | 7602 (8), 7606 (4), 7783, 8229, 8286 (6), 8339 (18), 8341 (3), 8342 (18), 8344 (6), 8345 (3), 8538 (3), 8539 (3), 8542 (9), 8543 (9) |
| 9929                                | $D_8 \times 2$ | 16    | 935550  | 10537 (2), 10626, 10615, 10553 (2), 10491       | 7608 (4), 8327, 8337 (2), 8347 (2), 8349 (2), 8361 (2), 8682 (2), 8724 (2), 8725 (2), 8763 (2), 8829 (2)                             |
| 9930                                | $D_8 \times 2$ | 16    | 1871100 | 10558, 10553, 10615, 10498, 10537, 10554, 10552 | 7609 (2), 8327, 8348 (2), 8350 (2), 8829, 8883, 8884 (2), 9051 (2)   |
| 9931                                | $D_8 \times 2$ | 16    | 3742200 | 10495, 10598, 10574, 10481, 10496, 10479, 10581 | 7610 (2), 7613 (2), 7634 (2), 7636 (4), 7638 (2), 7784, 8250, 8261, 8264, 8280, 8335, 8488, 8504                                     |
| 9932                                | $D_8 \times 2$ | 16    | 3742200 | 10462, 10480, 10505, 10517, 10577, 10524, 10476 | 7611 (2), 7614 (2), 7682 (2), 7785, 8254, 8283, 8285, 8377, 8469, 8472, 8473   |
| 9933                                | $D_8 \times 2$ | 16    | 1871100 | 10617, 10432 (2), 10624, 10595, 10560 (2)       | 7616 (2), 8320, 8342, 8351, 8353, 8354, 8365, 8366, 8371, 8689, 8713, 8896, 8985, 8988, 8991, 9000                                   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                       | Minimal Overgroups  |
| 9934                                | $2^4$            | 16    | 311850  | 10567 (3), 10623 (3),<br>10500 (6), 10559 (2),<br>10595 | 7619 (4), 8230, 8287<br>(6), 8345, 8351 (6),<br>8367 (6), 8368, 8372<br>(6), 8697 (3), 8700<br>(3), 8751 (3), 8753<br>(3) |
| 9935                                | $D_8 \times 2$   | 16    | 3742200 | 10559, 10592, 10484,<br>10537, 10620, 10431,<br>10560   | 7627 (2), 8349, 8350,<br>8351, 8843, 9047,<br>9059, 9060  |
| 9936                                | $D_8 \times 2$   | 16    | 3742200 | 10596, 10588, 10479,<br>10598, 10564, 10435,<br>10443   | 7629 (2), 7631 (4),<br>7633 (2), 7788, 8261,<br>8321, 8323, 8387,<br>8487, 8502, 8503                                     |
| 9937                                | $D_8 \times 2$   | 16    | 1871100 | 10553 (2), 10447 (2),<br>10595, 10616, 10614            | 7644 (2), 8251, 8286,<br>8347, 8348, 8364,<br>8366, 8367, 8369,<br>8686, 8689, 8694,<br>8727, 8929, 8930,<br>9002         |
| 9938                                | $2^4$            | 16    | 311850  | 10614 (6), 10534 (6),<br>10554 (2), 10595               | 7645 (4), 8229, 8251<br>(6), 8348 (6), 8363<br>(6), 8365 (6), 8368,<br>8370, 8690 (3), 8693<br>(3), 8694 (3), 8726<br>(3) |
| 9939                                | $D_8 \times 2$   | 16    | 1871100 | 10561 (2), 10433 (2),<br>10623, 10624, 10595            | 7646 (2), 8287, 8339,<br>8352, 8353, 8354,<br>8363, 8369, 8374,<br>8696, 8727, 8752,<br>8988, 8990, 8994,<br>8995         |
| 9940                                | $2^4$            | 16    | 311850  | 10623 (6), 10608 (6),<br>10562 (2), 10595               | 7647 (4), 8230, 8341,<br>8352 (6), 8353 (6),<br>8364 (6), 8370, 8373<br>(6), 8696 (3), 8698<br>(3), 8754 (3), 8755<br>(3) |
| 9941                                | $2 \times 4 : 2$ | 16    | 1871100 | 10595, 10618, 10619                                     | 7648 (2), 8288, 8322,<br>8339, 8346, 8356,<br>8357, 8365, 8367,<br>8373, 8686, 8702,<br>8752, 8991, 8993,<br>8996         |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 9942                                | $2^2 \times 4$ | 16    | 311850  | 10595, 10619 (6)                                | 7649 (4), 8231, 8341, 8346 (6), 8356 (6), 8366 (6), 8368, 8374 (6), 8701 (3), 8702 (3), 8721 (3), 8758 (3)           |
| 9943                                | $2^3 \cdot 2$  | 16    | 1871100 | 10627, 10618, 10595                             | 7650 (2), 8342, 8355, 8356, 8357, 8363, 8364, 8372, 8810, 8896, 8986, 8987, 8990, 8993, 9002, 9003                   |
| 9944                                | $D_8 \times 2$ | 16    | 1871100 | 10628, 10555 (2), 10616, 10537 (2), 10595       | 7652 (2), 8344, 8347, 8348, 8371, 8372, 8373, 8374, 8857, 8901, 8929, 8932, 8985, 8987, 8995, 8996                   |
| 9945                                | $2^2 \times 4$ | 16    | 311850  | 10595, 10619 (3), 10568 (3)                     | 7656 (4), 8231, 8288 (6), 8345, 8355 (6), 8369 (6), 8370, 8371 (6), 8703 (3), 8704 (3), 8756 (3), 8757 (3)           |
| 9946                                | $D_8 \times 2$ | 16    | 3742200 | 10592, 10609, 10629, 10501, 10537, 10562, 10561 | 7657 (2), 8349, 8350, 8352, 8865, 8892, 9054, 9058   |
| 9947                                | $2^4$          | 16    | 155925  | 10612 (6), 10517 (4), 10564 (4), 10535          | 7659 (4), 8249 (2), 8256 (6), 8377 (12), 8378, 8381 (6), 8387 (12), 8388 (2), 8596 (3), 8597 (6), 8600 (3), 8920 (6) |
| 9948                                | $Q_8 : 2$      | 16    | 1871100 | 10605, 10428, 10458                             | 7661 (2), 8091 (2), 8379, 8385 (2), 8560, 8565 (2), 8870, 8891 (2)   |
| 9949                                | $D_{16}$       | 16    | 3742200 | 10471, 10429, 10425                             | 7662 (2), 8090, 8103, 8452, 8562, 8564, 8569, 9069   |
| 9950                                | $D_8 \times 2$ | 16    | 3742200 | 10542, 10480, 10464, 10577, 10519, 10523, 10527 | 7689 (2), 7690 (2), 7693 (2), 8258, 8281, 8283, 8473, 8603, 8630, 8631   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                       | Minimal Overgroups   |
| 9951                                | $D_8 \times 2$ | 16    | 3742200 | 10596, 10588, 10468,<br>10576, 10581, 10523,<br>10481   | 7691 (2), 7692 (2),<br>8261, 8324, 8325,<br>8487, 8614, 8626,<br>8627  |
| 9952                                | $D_8 \times 2$ | 16    | 3742200 | 10581, 10527, 10546,<br>10587, 10513, 10478,<br>10578   | 7694 (2), 7697 (2),<br>8282, 8325, 8335,<br>8517, 8636, 8654,<br>8775  |
| 9953                                | $D_8 \times 2$ | 16    | 3742200 | 10581, 10478, 10547,<br>10598, 10493, 10497,<br>10575   | 7695 (2), 7696 (2),<br>7702 (2), 7708 (2),<br>8250, 8282, 8284,<br>8323, 8324, 8655,<br>8778   |
| 9954                                | $D_8 \times 2$ | 16    | 3742200 | 10581, 10576, 10547,<br>10467, 10505, 10587,<br>10597   | 7704 (2), 7707 (2),<br>8264, 8284, 8294,<br>8325, 8614, 8636,<br>8637  |
| 9955                                | $D_8 \times 2$ | 16    | 3742200 | 10570, 10478, 10551,<br>10598, 10446, 10597,<br>10587   | 7705 (2), 7706 (2),<br>8284, 8313, 8321,<br>8335, 8637, 8654,<br>8784  |
| 9956                                | $2^4$          | 16    | 155925  | 10580 (3), 10569 (4),<br>10512 (4), 10611 (3),<br>10535 | 7710 (4), 8246, 8255<br>(6), 8358, 8376 (6),<br>8378, 8380 (6), 8382,<br>8383 (6), 8386 (6),<br>8388, 8389 (6), 8395,<br>8396 (6), 8397 (6),<br>8398, 8593 (3), 8594<br>(3), 8598 (3), 8599<br>(3), 8676 (3), 8677<br>(3), 8715 (3), 8716<br>(3) |
| 9957                                | $Q_8 \times 2$ | 16    | 311850  | 10607 (3), 10427 (3),<br>10458                          | 7711 (4), 8359, 8375<br>(6), 8379 (6), 8384<br>(6), 8385 (6), 8394,<br>8399, 8684 (3), 8931<br>(3), 9012 (3), 9017<br>(3)  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 9958                                | $2^2 \times 4$   | 16    | 1871100 | 10472 (2), 10499 (2),<br>10559, 10603, 10599                             | 7712 (2), 8326, 8409<br>(2), 8440 (2), 8695,<br>8700, 9059 (2), 9062<br>(2)  |
| 9959                                | $2^4$            | 16    | 935550  | 10525 (4), 10596 (4),<br>10514, 10602 (2),<br>10539, 10559 (2),<br>10600 | 7713 (2), 8306, 8326<br>(2), 8409 (2), 8411,<br>8412, 8423 (2), 8425<br>(2), 8503 (2), 8627<br>(2), 8697, 8699 (2),<br>8817 (2), 8839, 8843,<br>8845 |
| 9960                                | $D_8 \times 2$   | 16    | 1871100 | 10601 (2), 10429 (2),<br>10602, 10562, 10599                             | 7714 (2), 8326, 8410<br>(2), 8439 (2), 8695,<br>8698, 9054 (2), 9064<br>(2)  |
| 9961                                | $D_8 \times 2$   | 16    | 1871100 | 10424 (2), 10561 (2),<br>10600, 10603, 10562                             | 7715 (2), 8326, 8340,<br>8404, 8405, 8410,<br>8420, 8421, 8696,<br>8699, 8819, 8820,<br>8823, 8854, 8864,<br>8865                                    |
| 9962                                | $2 \times 4 : 2$ | 16    | 311850  | 10600, 10599 (2)   | 7716 (4), 8338, 8400,<br>8401, 8403 (6), 8404<br>(6), 8409 (6), 8410<br>(6), 8707 (3), 8708<br>(3), 8826 (3), 8827<br>(3)                            |
| 9963                                | $2 \times 4 : 2$ | 16    | 1871100 | 10600, 10603 (2)   | 7717 (2), 8340, 8402,<br>8403, 8408, 8409,<br>8419, 8420, 8719,<br>8817, 8818, 8821,<br>8822, 8854, 8864,<br>8866                                    |
| 9964                                | $D_8 \times 2$   | 16    | 935550  | 10549, 10560 (4),<br>10473, 10600  | 7718 (2), 8305, 8403<br>(2), 8405 (2), 8412,<br>8413, 8416 (2), 8417<br>(2), 8501 (2), 8625<br>(2), 8713, 8821 (2),<br>8823 (2), 8836, 8842,<br>8843 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                 | Minimal Overgroups   |
| 9965                                | $2^3 \cdot 2$  | 16    | 935550  | 10475 (2), 10600                                  | 7719 (2), 8305, 8402 (2), 8404 (2), 8411, 8414, 8415 (2), 8418 (2), 8500 (2), 8624 (2), 8809, 8820 (2), 8822 (2), 8836, 8844, 8845   |
| 9966                                | $D_8 \times 2$ | 16    | 1871100 | 10435 (2), 10565 (2), 10512, 10483, 10600         | 7720 (2), 7798, 8245, 8257, 8389, 8406, 8416, 8418, 8422, 8423, 8458, 8470, 8491, 8500, 8501, 8502, 8503   |
| 9967                                | $D_8 \times 2$ | 16    | 1871100 | 10523 (2), 10565 (2), 10465, 10541, 10600         | 7721 (2), 8257, 8406, 8407, 8415, 8417, 8424, 8425, 8470, 8491, 8602, 8617, 8624, 8625, 8626, 8627   |
| 9968                                | $D_8 \times 2$ | 16    | 155925  | 10535, 10557 (4), 10509, 10600                    | 7722 (4), 8245 (6), 8295, 8360, 8390 (6), 8391 (6), 8392, 8393, 8401, 8407 (6), 8412 (6), 8414 (6), 8419 (6), 8421 (6), 8426, 8427, 8588 (3), 8589 (3), 8593 (3), 8595 (3), 8596 (3), 8650 (3), 8651 (3), 8813 (3) |
| 9969                                | $2^3 \cdot 2$  | 16    | 155925  | 10503 (2), 10600                                  | 7723 (4), 8295, 8400 (2), 8406 (12), 8411 (6), 8413 (6), 8420 (12), 8428 (2), 8774 (3), 8812 (6), 8830 (3), 8831 (6)   |
| 9970                                | $2^4$          | 16    | 935550  | 10524 (4), 10602 (4), 10596 (4), 10511 (2), 10600 | 7724 (2), 8306, 8408 (2), 8410 (2), 8413, 8414, 8422 (2), 8424 (2), 8502 (2), 8626 (2), 8779, 8818 (2), 8819 (2), 8839, 8842, 8844   |
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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups   |
| 9971                                | $D_8 \times 2$   | 16    | 311850  | 10545, 10526 (2),<br>10508, 10604 (2),<br>10600       | 7725 (4), 8297, 8417<br>(6), 8418 (6), 8422<br>(6), 8425 (6), 8426,<br>8428, 8780 (3), 8837<br>(3), 8846 (3), 8848<br>(3)                            |
| 9972                                | $D_8 \times 2$   | 16    | 311850  | 10507, 10604 (2),<br>10510, 10436 (2),<br>10600       | 7726 (4), 8297, 8415<br>(6), 8416 (6), 8423<br>(6), 8424 (6), 8427,<br>8428, 8785 (3), 8838<br>(3), 8847 (3), 8849<br>(3)                            |
| 9973                                | $D_8 \times 2$   | 16    | 3742200 | 10466, 10597, 10523,<br>10604, 10505, 10596,<br>10548 | 7727 (2), 8259, 8424,<br>8425, 8487, 8614,<br>8637, 8638   |
| 9974                                | $D_8 \times 2$   | 16    | 3742200 | 10445, 10604, 10435,<br>10487, 10517, 10513,<br>10596 | 7728 (2), 7799, 8259,<br>8387, 8422, 8423,<br>8487, 8514, 8517   |
| 9975                                | $D_8 : 2$        | 16    | 311850  | 10509, 10599 (2),<br>10557 (2), 10458,<br>10552       | 7731 (4), 8360, 8429<br>(6), 8430 (6), 8431,<br>8432, 8439 (6), 8440<br>(6), 8684 (3), 8870<br>(3), 8871 (3), 8883<br>(3)                            |
| 9976                                | $D_8 \times 2$   | 16    | 935550  | 10541 (2), 10469 (4),<br>10509                        | 7732 (2), 8296 (2),<br>8407, 8430 (2), 8442<br>(2), 8443, 8446, 8449<br>(2), 8493 (2), 8618,<br>8662, 8664 (2), 8678,<br>8832, 9029 (2), 9035<br>(2) |
| 9977                                | $2^3 \cdot 2$    | 16    | 1871100 | 10475, 10510, 10541                                   | 7735 (2), 8299, 8309,<br>8311, 8415, 8433,<br>8442, 8445, 8506,<br>8509, 8628, 8633,<br>8673, 8764, 8835,<br>8841                                    |
| 9978                                | $2 \times 4 : 2$ | 16    | 1871100 | 10549, 10510, 10483                                   | 7736 (2), 8302, 8311,<br>8317, 8416, 8436,<br>8441, 8444, 8510,<br>8528, 8634, 8646,<br>8670, 8711, 8835,<br>8851                                    |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups   |
| 9979                                | $D_8 \times 2$   | 16    | 935550  | 10549, 10601 (4),<br>10539, 10509                     | 7739 (2), 8302 (2),<br>8318 (2), 8412, 8437,<br>8439 (2), 8443, 8451<br>(2), 8529 (2), 8649,<br>8660 (2), 8668, 8709,<br>8832, 9030 (2), 9053<br>(2) |
| 9980                                | $D_8 \times 2$   | 16    | 3742200 | 10524, 10565, 10527,<br>10513, 10474, 10604,<br>10548 | 7742 (2), 8312, 8422,<br>8424, 8517, 8638,<br>8775, 8874   |
| 9981                                | $D_8 \times 2$   | 16    | 3742200 | 10525, 10597, 10446,<br>10565, 10519, 10487,<br>10604 | 7743 (2), 8312, 8423,<br>8425, 8514, 8637,<br>8784, 8874   |
| 9982                                | $D_8 \times 2$   | 16    | 1871100 | 10527 (2), 10597 (2),<br>10511, 10510, 10541          | 7744 (2), 8298, 8312,<br>8424, 8433, 8435,<br>8441, 8442, 8498,<br>8515, 8623, 8636,<br>8654, 8746, 8841,<br>8851                                    |
| 9983                                | $2^3 \cdot 2$    | 16    | 311850  | 10503, 10510, 10545                                   | 7750 (4), 8300, 8301,<br>8428, 8434 (6), 8435<br>(6), 8436 (6), 8445<br>(6), 8787 (3), 8852<br>(3), 8880 (3), 8882<br>(3)                            |
| 9984                                | $D_8 \times 2$   | 16    | 155925  | 10545 (2), 10471 (4),<br>10509                        | 7751 (4), 8301 (2),<br>8426, 8432 (2), 8437<br>(6), 8438 (12), 8446<br>(6), 8452 (12), 8803<br>(3), 8853 (3), 8881<br>(6), 9033 (6)                  |
| 9985                                | $2 \times 4 : 2$ | 16    | 155925  | 10535, 10510 (2)                                      | 7752 (4), 8248 (6),<br>8300 (2), 8392 (2),<br>8427, 8433 (12), 8444<br>(6), 8447 (12), 8598<br>(3), 8600 (3), 8877<br>(6), 9034 (6)                  |
| 9986                                | $8 : 2$          | 16    | 311850  | 10509, 10470 (2)                                      | 7754 (4), 8393, 8431,<br>8432, 8448 (6), 8449<br>(6), 8450 (6), 8451<br>(6), 8717 (3), 9039<br>(3), 9040 (3), 9041<br>(3)                            |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                 | Minimal Overgroups  |
| 9987                                | $D_8 \times 2$   | 16    | 3742200 | 10549, 10601, 10424, 10515, 10557, 10560, 10602   | 7755 (2), 8320, 8405, 8412, 8439, 9047, 9050, 9052  |
| 9988                                | $D_8 : 2$        | 16    | 3742200 | 10560, 10430, 10601, 10561, 10515, 10499, 10599   | 7756 (2), 8405, 8439, 8440, 8887, 8988, 9054, 9059  |
| 9989                                | $D_8 : 2$        | 16    | 3742200 | 10473, 10561, 10424, 10603, 10557, 10430, 10499   | 7757 (2), 8405, 8421, 8440, 8994, 9050, 9056, 9058  |
| 9990                                | $D_8 : 2$        | 16    | 1871100 | 10560 (2), 10430, 10515, 10603 (2), 10552         | 7758 (2), 8405 (2), 8440, 8453 (2), 9000, 9051 (2), 9060, 9066 (2)  |
| 9991                                | $2 \times 4 : 2$ | 16    | 3742200 | 10602, 10599, 10603                               | 7759 (2), 8408, 8409, 8410, 9004, 9062, 9063, 9064  |
| 9992                                | $D_8 : 2$        | 16    | 1871100 | 10515, 10499 (2), 10601 (2), 10429, 10458         | 7761 (2), 8090 (2), 8439 (2), 8440, 8561, 8565 (2), 8890 (2), 9012  |
| 9993                                | $8 : 2$          | 16    | 3742200 | 10515, 10425, 10470                               | 7763 (2), 8090, 8450, 8453, 8559, 8563, 9024, 9070  |
| 9994                                | $D_8 \times 2$   | 16    | 1871100 | 10523, 10572, 10628, 10486, 10435, 10462, 10569   | 7792, 8255, 8376 (2), 8470 (2), 8473 (2), 8477, 8478, 8487 (2)  |
| 9995                                | $D_8 \times 2$   | 16    | 935550  | 10611, 10451, 10486 (2), 10495 (2), 10506         | 7793, 8255, 8262 (2), 8457, 8471 (2), 8474 (2), 8479, 8480, 8488 (2), 8492 (2), 8494, 8496, 8497 (2), 8505, 8548 (2), 8554 (2)  |
| 9996                                | $2^4$            | 16    | 155925  | 10580 (3), 10628 (3), 10543 (6), 10506 (2), 10566 | 7794, 8255 (6), 8344 (4), 8358, 8456 (2), 8471 (6), 8475 (3), 8476 (2), 8481 (3), 8482 (2), 8483 (6), 8484 (6), 8485 (2), 8489 (2), 8490 (6), 8539, 8544 (12), 8545 (3), 8547 (3), 8549 (6), 8550, 8553 (2) |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 9997                                | $2^4$          | 16    | 311850  | 10612 (3), 10544 (6),<br>10550 (3), 10506,<br>10496 (2)               | 7796, 8256 (3), 8267<br>(6), 8307 (2), 8459,<br>8476, 8479 (3), 8488<br>(6), 8489 (2), 8499<br>(6), 8511, 8525 (3),<br>8526 (2), 8531 (3),<br>8552 (2), 8555 (6) |
| 9998                                | $D_8 \times 2$ | 16    | 935550  | 10506, 10610, 10454,<br>10574, 10612, 10437,<br>10520                 | 7797, 8256, 8266 (2),<br>8459, 8460 (2), 8480,<br>8481, 8488 (2), 8490<br>(2), 8504 (2), 8512,<br>8518, 8519 (2), 8524,<br>8551 (2), 8556 (2)                    |
| 9999                                | $D_8 \times 2$ | 16    | 1871100 | 10435, 10488, 10524,<br>10476, 10610, 10578,<br>10564                 | 7802, 8266, 8377 (2),<br>8381, 8477, 8502 (2),<br>8507 (2), 8517 (2)   |
| 10000                               | $D_8 \times 2$ | 16    | 1871100 | 10495, 10488, 10613,<br>10520, 10489, 10452,<br>10496                 | 7805, 8266, 8267 (2),<br>8268, 8474 (2), 8479,<br>8504 (2), 8513 (2)   |
| 10001                               | $2^4$          | 16    | 623700  | 10549 (3), 10613 (6),<br>10612 (3), 10512,<br>10517 (2)               | 7806, 8249, 8267 (3),<br>8310, 8395, 8460,<br>8469 (3), 8472 (3),<br>8495 (3), 8501 (3),<br>8508, 8510 (3), 8527,<br>8528 (3), 8529 (3),<br>8530                 |
| 10002                               | $2^4$          | 16    | 623700  | 10519 (3), 10617 (3),<br>10613 (3), 10571 (3),<br>10517, 10569, 10536 | 7809, 8268 (3), 8378,<br>8395 (2), 8473 (6),<br>8478 (3), 8514 (6),<br>8516 (2)  |
| 10003                               | $D_8 \times 2$ | 16    | 1871100 | 10445, 10573, 10627,<br>10476, 10527, 10489,<br>10569                 | 7810, 8268, 8380,<br>8396 (2), 8473 (2),<br>8477, 8515 (2), 8517<br>(2)  |
| 10004                               | $D_8 \times 2$ | 16    | 467775  | 10520 (2), 10453 (2),<br>10617, 10627, 10566                          | 7811, 8268 (4), 8342<br>(4), 8475 (2), 8481,<br>8512 (4), 8513 (4),<br>8541 (4), 8542 (2),<br>8558 (2)   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 10005                               | $4^2$          | 16    | 623700  | 10606 (3)                                       | 7812, 8329, 8462 (6),<br>8463 (2), 8464 (3),<br>8533 (3), 8534 (2),<br>8535 (6)  |
| 10006                               | $2^2 \times 4$ | 16    | 311850  | 10566, 10616 (3),<br>10607 (3)                  | 7813, 8286, 8344 (2),<br>8359, 8465 (6), 8466<br>(6), 8467 (2), 8468<br>(2), 8536 (3), 8537<br>(3), 8538 (2), 8540<br>(6), 8541 (6), 8546<br>(3), 8550, 8558 (3) |
| 10007                               | $D_8 \times 2$ | 16    | 935550  | 10623, 10630 (2),<br>10619, 10574 (2),<br>10566 | 7814, 8339 (2), 8341<br>(2), 8345, 8536 (2),<br>8540 (2), 8541 (2),<br>8542, 8544 (2), 8545,<br>8551 (4)   |
| 10008                               | $2^3 \cdot 2$  | 16    | 935550  | 10624, 10618, 10566                             | 7815, 8339 (2), 8342<br>(2), 8537, 8540 (2),<br>8543 (2), 8544 (2),<br>8546 (2), 8547, 8557<br>(4), 8558   |
| 10009                               | $8 : 2$        | 16    | 1871100 | 10606, 10425 (2)                                | 8089, 8462 (2), 8559<br>(2), 8562 (2), 8601<br>(2), 8705, 8885   |
| 10010                               | $D_8 : 2$      | 16    | 935550  | 10558 (2), 10498 (2),<br>10606, 10458, 10426    | 8089 (2), 8362 (2),<br>8464 (2), 8560 (2),<br>8561 (2), 8684, 8883<br>(2), 8890 (2), 8891<br>(2), 8931 (2)   |
| 10011                               | $D_8 \cdot 2$  | 16    | 3742200 | 10605, 10430, 10425                             | 8091, 8562, 8563,<br>8770, 8773, 9038,<br>9066   |
| 10012                               | $8 : 2$        | 16    | 1871100 | 10606, 10460 (2)                                | 8092 (2), 8464, 8533,<br>8601 (2), 8685, 8888<br>(2), 8889 (2)   |
| 10013                               | $D_8 : 2$      | 16    | 1871100 | 10555 (2), 10498 (2),<br>10606, 10459, 10447    | 8092 (2), 8362, 8462<br>(2), 8706, 8884, 8929<br>(2), 9048 (2)   |
| 10014                               | $D_{16}$       | 16    | 3742200 | 10605, 10425, 10429                             | 8093, 8104, 8562,<br>8565, 8569, 9038,<br>9070   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 10015                               | $D_{16}$             | 16    | 1871100 | 10605, 10426, 10470                       | 8093 (2), 8105, 8560, 8563 (2), 8573 (2), 9040, 9055 (2)                                 |
| 10016                               | $8 : 2$              | 16    | 1871100 | 10606, 10470, 10428                       | 8094 (2), 8559 (2), 8560, 8717, 8981 (2), 9055 (2), 9067                                 |
| 10017                               | $D_8 : 2$            | 16    | 1871100 | 10592 (2), 10501 (2), 10606, 10430, 10429 | 8094 (2), 8561, 8562 (2), 8806, 9054 (2), 9058 (2), 9060                                 |
| 10018                               | $D_{16}$             | 16    | 3742200 | 10469, 10428, 10429                       | 8094, 8104, 8564, 8565, 8568, 9035, 9069   |
| 10019                               | $D_{16}$             | 16    | 1871100 | 10471, 10428, 10426                       | 8095 (2), 8105, 8560, 8564 (2), 8572 (2), 9033, 9068 (2)                                 |
| 10020                               | $D_8 \times 2$       | 16    | 1871100 | 10528 (2), 10461 (2), 10607, 10469 (2)    | 8102, 8375, 8465, 8566, 8568, 8571, 8575, 8577, 8678, 8741, 8772, 8788, 8933, 9019, 9023 |
| 10021                               | $2 \times 8$         | 16    | 1871100 | 10607, 10425 (2)                          | 8102, 8375, 8466, 8567, 8569, 8570, 8574, 8576, 8705, 8740, 8773, 8789, 8980, 9024, 9025 |
| 10022                               | $2 \times 8$         | 16    | 1871100 | 10470, 10607, 10428                       | 8105, 8379, 8468, 8567, 8568, 8573, 8578, 8581, 8717, 8744, 8772, 8796, 8981, 9024, 9027 |
| 10023                               | $D_8 \times 2$       | 16    | 1871100 | 10471, 10457 (2), 10605, 10531 (2), 10607 | 8105, 8379, 8467, 8566, 8569, 8572, 8579, 8580, 8745, 8773, 8795, 8803, 8979, 9022, 9023 |
| 10024                               | $2 \times 4 \cdot 2$ | 16    | 1871100 | 10532 (2), 10607                          | 8106, 8384, 8465, 8570, 8580, 8581, 8582, 8585, 8740, 8796, 8801, 8906, 8933, 9020, 9022 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups  |
| 10025                               | $2 \times 8$   | 16    | 1871100 | 10607, 10460 (2)                                | 8106, 8384, 8466,<br>8571, 8578, 8579,<br>8583, 8584, 8685,<br>8741, 8795, 8800,<br>8980, 9026, 9027  |
| 10026                               | $2 \times 8$   | 16    | 1871100 | 10428 (2), 10607                                | 8107, 8385, 8468,<br>8572, 8575, 8576,<br>8582, 8583, 8745,<br>8788, 8801, 8807,<br>8981, 9025, 9026  |
| 10027                               | $D_{16}$       | 16    | 3742200 | 10605, 10426, 10428                             | 8107, 8572, 8573,<br>8891, 9032, 9055,<br>9068  |
| 10028                               | $D_8 \times 2$ | 16    | 1871100 | 10607, 10631 (2),<br>10605 (2), 10533 (2)       | 8107, 8385, 8467,<br>8573, 8574, 8577,<br>8584, 8585, 8710,<br>8744, 8789, 8800,<br>8979, 9019, 9020  |
| 10029                               | $D_8 \times 2$ | 16    | 935550  | 10607, 10447 (2),<br>10614 (2), 10426 (2)       | 8251 (2), 8286, 8570<br>(2), 8571 (2), 8572<br>(2), 8573 (2), 8652,<br>8653, 8687 (2), 8692,<br>8693 (2), 8706, 8728<br>(2), 8931, 9001   |
| 10030                               | $2^2 \times 4$ | 16    | 1871100 | 10607, 10444 (2),<br>10614, 10498 (2),<br>10616 | 8251, 8348, 8538,<br>8688, 8691, 8706,<br>8737, 8739, 8748,<br>8750, 8929, 8930,<br>8931, 8989, 8992  |
| 10031                               | $D_8 \times 2$ | 16    | 935550  | 10523 (2), 10503,<br>10543, 10467 (2),<br>10611 | 8255, 8290 (2), 8494,<br>8602 (2), 8603 (2),<br>8606, 8607, 8614 (2),<br>8619 (2), 8656 (2),<br>8657, 8830, 8852,<br>8898 (2), 8917 (2)   |
| 10032                               | $2^2 \times 4$ | 16    | 935550  | 10465 (2), 10451,<br>10580, 10572 (2),<br>10503 | 8255, 8376, 8382,<br>8482, 8483, 8602,<br>8604, 8605, 8608,<br>8609, 8610 (2), 8611,<br>8612, 8613, 8615,<br>8616, 8675, 8742,<br>8774, 8786, 8787,<br>8790, 8791, 8859,<br>8907, 8908, 8909,<br>8912, 8926, 8928 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups   |
| 10033                               | $2^2 \times 4$ | 16    | 935550  | 10503, 10468 (2),<br>10612, 10505 (2),<br>10454       | 8256, 8469 (2), 8522<br>(2), 8524, 8607,<br>8608, 8614 (2), 8616<br>(2), 8645 (2), 8831,<br>8833 (2), 8879, 8882,<br>8914 (2), 8922 (2)    |
| 10034                               | $D_8 \times 2$ | 16    | 935550  | 10503, 10466 (2),<br>10576 (2), 10612,<br>10550       | 8256, 8291 (2), 8530<br>(2), 8531, 8606,<br>8609, 8614 (2), 8615<br>(2), 8648 (2), 8663<br>(2), 8672, 8831,<br>8880, 8918 (2), 8921<br>(2) |
| 10035                               | $D_8 \times 2$ | 16    | 1871100 | 10523 (2), 10611,<br>10541, 10465, 10486<br>(2)       | 8262, 8290, 8376,<br>8492, 8617, 8618,<br>8619, 8620, 8621,<br>8622, 8623, 8628,<br>8629, 8630, 8631                                       |
| 10036                               | $2^2 \times 4$ | 16    | 1871100 | 10515, 10620, 10606,<br>10484, 10472, 10485,<br>10622 | 8265 (2), 8559 (2),<br>8561, 8792, 9047 (2),<br>9059 (2), 9060   |
| 10037                               | $D_8 \times 2$ | 16    | 1871100 | 10471, 10457 (2),<br>10605, 10621 (2),<br>10606       | 8265 (2), 8560, 8562<br>(2), 8803, 8979 (2),<br>9067, 9068 (2)   |
| 10038                               | $D_8 \times 2$ | 16    | 3742200 | 10515, 10589 (2),<br>10605, 10490 (2),<br>10469       | 8265, 8563, 8565,<br>8662, 9023, 9066,<br>9070   |
| 10039                               | $D_8 \times 2$ | 16    | 1871100 | 10523, 10464, 10525,<br>10489, 10610, 10576,<br>10570 | 8266, 8291 (2), 8477,<br>8606, 8627 (2), 8630<br>(2), 8637 (2)   |
| 10040                               | $D_8 \times 2$ | 16    | 1871100 | 10465, 10576, 10511,<br>10578, 10612, 10577,<br>10452 | 8266, 8292, 8377,<br>8526, 8527, 8530,<br>8609, 8626, 8630,<br>8636, 8639, 8641,<br>8642, 8643, 8645                                       |
| 10041                               | $D_8 \times 2$ | 16    | 1871100 | 10523, 10468, 10524,<br>10477, 10437, 10577,<br>10613 | 8266, 8469 (2), 8478,<br>8607, 8626 (2), 8631<br>(2), 8638 (2)   |
| 10042                               | $D_8 \times 2$ | 16    | 3742200 | 10523, 10505, 10544,<br>10489, 10480, 10466,<br>10613 | 8267, 8291, 8469,<br>8473, 8603, 8620,<br>8621   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups  |
| 10043                               | $2^2 \times 4$       | 16    | 1871100 | 10465, 10488 (2),<br>10612, 10505 (2),<br>10475       | 8267, 8314, 8377,<br>8472, 8519, 8522,<br>8604, 8621, 8624,<br>8632, 8633, 8642,<br>8643, 8647, 8648                                    |
| 10044                               | $D_8 \times 2$       | 16    | 1871100 | 10505, 10613, 10453,<br>10467, 10527, 10546,<br>10577 | 8268, 8292, 8472 (2),<br>8603 (2), 8607, 8636<br>(2), 8638 (2)  |
| 10045                               | $D_8 \times 2$       | 16    | 1871100 | 10466, 10452, 10617,<br>10572, 10474, 10573,<br>10577 | 8268, 8473 (2), 8478,<br>8605 (2), 8609, 8638<br>(2), 8639 (2)  |
| 10046                               | $2^2 \times 4$       | 16    | 1871100 | 10505, 10488, 10627,<br>10572, 10446, 10571,<br>10464 | 8268, 8473 (2), 8477,<br>8604 (2), 8608, 8635<br>(2), 8637 (2)  |
| 10047                               | $D_8 \times 2$       | 16    | 935550  | 10429 (2), 10623 (2),<br>10607, 10609 (2)             | 8287, 8352 (2), 8536,<br>8568 (2), 8569 (2),<br>8582 (2), 8584 (2),<br>8652, 8698 (2), 8735<br>(2), 8748 (2), 8806,<br>9011, 9012, 9015 |
| 10048                               | $2^2 \times 4$       | 16    | 935550  | 10472 (2), 10484 (2),<br>10567, 10607, 10624          | 8287, 8351 (2), 8394,<br>8537, 8566 (2), 8567<br>(2), 8583 (2), 8585<br>(2), 8653, 8700 (2),<br>8731 (2), 8737 (2),<br>8769, 8792, 8948 |
| 10049                               | $4^2$                | 16    | 935550  | 10607, 10568, 10618                                   | 8288, 8355 (2), 8399,<br>8537, 8576 (2), 8577<br>(2), 8578 (2), 8580<br>(2), 8652, 8704 (2),<br>8729 (2), 8750 (2),<br>8768, 8808, 8947 |
| 10050                               | $2 \times 4 \cdot 2$ | 16    | 935550  | 10607, 10619 (2)                                      | 8288, 8346 (2), 8536,<br>8574 (2), 8575 (2),<br>8579 (2), 8581 (2),<br>8653, 8701 (2), 8718,<br>8733 (2), 8739 (2),<br>9010, 9016, 9017 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 10051                               | $D_8 \times 2$ | 16    | 1871100 | 10538, 10608, 10424 (2), 10433 (2), 10502       | 8289 (2), 8696, 8804 (2), 9050 (2), 9057, 9061, 9065 (2)   |
| 10052                               | $D_8 \times 2$ | 16    | 3742200 | 10539, 10609, 10423, 10608, 10424, 10433, 10501 | 8289, 8352, 8699, 9052, 9053, 9057, 9058   |
| 10053                               | $D_8 \times 2$ | 16    | 3742200 | 10601, 10609, 10540, 10498, 10431, 10608, 10429 | 8289, 8350, 8698, 8890, 9052, 9053, 9054   |
| 10054                               | $D_8 \times 2$ | 16    | 3742200 | 10601, 10433, 10432, 10426, 10540, 10608, 10499 | 8289, 8353, 8695, 8887, 8890, 9050, 9053   |
| 10055                               | $D_8 \times 2$ | 16    | 1871100 | 10541, 10480 (2), 10612, 10610 (2), 10475       | 8291, 8377, 8460, 8499, 8507, 8508, 8624, 8630, 8633, 8664, 8674, 8767, 8833, 8834, 8841                                 |
| 10056                               | $D_8 \times 2$ | 16    | 1871100 | 10526, 10486, 10493, 10613, 10497, 10544, 10452 | 8292, 8478, 8479, 8495 (2), 8620 (2), 8655 (2), 8875 (2)   |
| 10057                               | $D_8 \times 2$ | 16    | 1871100 | 10542, 10578, 10446, 10610, 10570, 10527, 10486 | 8292, 8477, 8480, 8507 (2), 8630 (2), 8654 (2), 8874 (2)   |
| 10058                               | $D_8 \times 2$ | 16    | 935550  | 10526, 10610, 10508, 10612, 10575, 10543, 10453 | 8292 (2), 8381, 8481, 8508 (2), 8511, 8606, 8632 (2), 8655 (2), 8659, 8778 (2), 8780 (2), 8837, 8879, 8894 (2), 8969 (2) |
| 10059                               | $2^3 \cdot 2$  | 16    | 935550  | 10509, 10451, 10543                             | 8293 (2), 8483, 8493 (2), 8494, 8650, 8658 (2), 8659, 8660 (2), 8661, 8858 (2), 8878, 8881, 8900 (2), 8913 (2), 8919 (2) |
| 10060                               | $D_8 \times 2$ | 16    | 3742200 | 10486, 10581, 10610, 10513, 10544, 10597, 10598 | 8294, 8487, 8488, 8654, 8655, 8874, 8876   |
| 10061                               | $D_8 \times 2$ | 16    | 935550  | 10610 (2), 10587 (2), 10543, 10510, 10550       | 8294 (2), 8490, 8509 (2), 8511, 8634 (2), 8654 (2), 8657, 8661, 8838, 8861 (2), 8877, 8880, 8903 (2), 8965 (2), 8974 (2) |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 10062                               | $D_8 \times 2$ | 16    | 467775  | 10509, 10558 (4),<br>10538, 10611   | 8303 (2), 8494 (2),<br>8586 (2), 8587 (2),<br>8593, 8618 (2), 8666<br>(2), 8667, 8668 (2),<br>8669 (2), 8679 (2),<br>8814 (2), 8816 (2),<br>8853, 8883 (2), 8900<br>(2), 8915 (2), 8916<br>(2), 9036 (2), 9041<br>(2), 9061 (2) |
| 10063                               | $2^3 \cdot 2$  | 16    | 935550  | 10483 (2), 10611  | 8303, 8458, 8492 (2),<br>8594, 8619 (2), 8665<br>(2), 8670 (2), 8671<br>(2), 8815 (4), 8850<br>(2)  |
| 10064                               | $D_8 \times 2$ | 16    | 1871100 | 10527 (2), 10611,<br>10511, 10489 (2),<br>10475                                     | 8304, 8396, 8461,<br>8474, 8497, 8603,<br>8621, 8623, 8628,<br>8630, 8656, 8665,<br>8666, 8844, 8850  |
| 10065                               | $D_8 \times 2$ | 16    | 935550  | 10497 (2), 10550,<br>10508, 10489 (2),<br>10611                                     | 8304 (2), 8380, 8479,<br>8496, 8606, 8620 (2),<br>8622 (2), 8657, 8665<br>(2), 8667, 8747 (2),<br>8778 (2), 8846, 8958<br>(2), 8960 (2)   |
| 10066                               | $2^4$          | 16    | 1871100 | 10613 (2), 10589 (4),<br>10581 (2), 10544 (2),<br>10524 (2), 10541,<br>10511, 10612 | 8307, 8377, 8469,<br>8495, 8504, 8516,<br>8621, 8626, 8636,<br>8655, 8663, 8664,<br>8743, 8840, 8841  |
| 10067                               | $2^3 \cdot 2$  | 16    | 935550  | 10510, 10449, 10611   | 8308 (2), 8496, 8505,<br>8598, 8623 (2), 8628<br>(2), 8657, 8669, 8670<br>(2), 8849, 8852, 8951<br>(2), 8957 (2), 8965<br>(2), 8968 (2)   |
| 10068                               | $D_8 \times 2$ | 16    | 935550  | 10539, 10592 (4),<br>10473, 10611   | 8308 (2), 8497 (2),<br>8599, 8622 (2), 8629<br>(2), 8656 (2), 8668,<br>8671 (2), 8843, 9058<br>(4)  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 10069                               | $2^4$            | 16    | 935550  | 10519 (2), 10613 (2), 10611, 10612, 10620 (4), 10570 (2), 10494 (2), 10507 | 8310 (2), 8378, 8479, 8480, 8606, 8607, 8621 (2), 8630 (2), 8669, 8671 (2), 8743 (2), 8783 (2), 8784 (2), 8849, 8963 (2) |
| 10070                               | $2^4$            | 16    | 935550  | 10519 (4), 10594 (2), 10620 (2), 10613 (4), 10514, 10549, 10611            | 8310 (2), 8395, 8474 (2), 8603 (2), 8620 (2), 8631 (2), 8668, 8670 (2), 8843, 9047 (4)                                   |
| 10071                               | $D_8 \times 2$   | 16    | 935550  | 10612, 10538, 10453 (2), 10587 (2), 10510                                  | 8313 (2), 8510 (2), 8511, 8512, 8600, 8633 (2), 8636 (2), 8669, 8672, 8785, 8882, 8903 (2), 8905 (2), 8953 (2), 8957 (2) |
| 10072                               | $D_8 \times 2$   | 16    | 1871100 | 10612, 10483, 10452 (2), 10598 (2), 10539                                  | 8313, 8503, 8504, 8526, 8528, 8529, 8597, 8639, 8647, 8648, 8655, 8671, 8674, 8781, 8833                                 |
| 10073                               | $D_8 \times 2$   | 16    | 3742200 | 10453, 10513, 10452, 10547, 10613, 10597, 10478                            | 8313, 8513, 8514, 8636, 8638, 8655, 8783   |
| 10074                               | $2^2 \times 4$   | 16    | 935550  | 10612, 10451, 10493 (2), 10488 (2), 10508                                  | 8314 (2), 8381, 8479, 8495 (2), 8518, 8608, 8641 (2), 8659, 8672, 8674 (2), 8776 (2), 8778 (2), 8848, 8962 (2), 8964 (2) |
| 10075                               | $2 \times 4 : 2$ | 16    | 1871100 | 10612, 10473, 10483  | 8315, 8499, 8501, 8510, 8519, 8520, 8597, 8632, 8641, 8645, 8663, 8671, 8793, 8834, 8840                                 |
| 10076                               | $2 \times 4 : 2$ | 16    | 935550  | 10612, 10509, 10449  | 8315 (2), 8524, 8529 (2), 8531, 8596, 8643 (2), 8659, 8664 (2), 8669, 8794, 8881, 8913 (2), 8915 (2), 8919 (2), 8927 (2) |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 10077                               | $2 \times 4 : 2$     | 16    | 935550  | 10550, 10451, 10510   | 8316 (2), 8496, 8498 (2), 8525, 8646 (2), 8661, 8672, 8673 (2), 8787, 8847, 8877, 8951 (2), 8953 (2), 8974 (2), 8976 (2)                 |
| 10078                               | $D_8 \times 2$       | 16    | 467775  | 10550 (2), 10605 (4), 10509                                     | 8319 (4), 8531 (2), 8649 (2), 8651, 8661 (2), 8662 (2), 8667, 8710 (2), 8803, 8870 (2), 8913 (4), 8916 (2), 9032 (4), 9038 (4), 9040 (2) |
| 10079                               | $D_8 \times 2$       | 16    | 1871100 | 10601 (2), 10431 (2), 10607, 10623, 10617                       | 8320, 8351, 8353, 8541, 8687, 8691, 8698, 8709, 8729, 8739, 8949, 8982, 8988, 9012, 9014   |
| 10080                               | $2^2 \times 4$       | 16    | 935550  | 10515 (2), 10485 (2), 10607, 10624, 10617                       | 8320 (2), 8558, 8688 (2), 8692, 8792, 8947, 8984 (2), 8988 (2), 9000, 9012, 9016, 9020 (2), 9023 (2), 9024 (2), 9026 (2)                 |
| 10081                               | $2^4$                | 16    | 935550  | 10584 (4), 10579 (4), 10595, 10540 (2), 10623, 10602 (2), 10617 | 8320 (2), 8353 (2), 8354, 8542, 8686 (2), 8690, 8697, 8698, 8756, 8758, 8779 (2), 8902 (2), 8987 (2), 9004 (2), 9006 (2)                 |
| 10082                               | $4^2$                | 16    | 1871100 | 10607, 10618, 10619   | 8322, 8346, 8356, 8540, 8687, 8688, 8704, 8718, 8735, 8737, 8993, 8998, 9008, 9014, 9017   |
| 10083                               | $2 \times 4 \cdot 2$ | 16    | 935550  | 10607, 10618 (2)  | 8322 (2), 8399, 8546, 8691 (2), 8692, 8718, 8769, 8788 (2), 8789 (2), 8795 (2), 8796 (2), 8993 (2), 8999 (2), 9003, 9011                 |

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| Nr.                                 | Structure      | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 10084                               | $2^2 \times 4$ | 16    | 935550 | 10595, 10450 (4),<br>10618 (2)  | 8322 (2), 8357, 8543,<br>8689 (2), 8690, 8702,<br>8704, 8720 (2), 8753,<br>8754, 8805 (2), 8995<br>(2), 9003 (2), 9005<br>(2), 9006 (2)  |
| 10085                               | $2^4$          | 16    | 467775 | 10543 (4), 10582 (4),<br>10580, 10538, 10595<br>(2), 10615 (2), 10600 | 8327 (2), 8330, 8389<br>(2), 8456, 8539,<br>8593, 8602 (2), 8683<br>(2), 8694 (2), 8696<br>(2), 8697, 8702 (2),<br>8703, 8708 (2), 8713,<br>8714, 8719 (2), 8774,<br>8779, 8780 (2), 8785<br>(2), 8805 (2), 8809,<br>8810, 8856, 8857,<br>8858 (2), 8859 (2),<br>8861 (2), 8862 (2),<br>8863 |
| 10086                               | $D_8 \times 2$ | 16    | 935550 | 10423 (2), 10553 (2),<br>10600, 10626, 10554                          | 8327, 8454, 8681 (2),<br>8694 (2), 8699 (2),<br>8707, 8812, 8813,<br>8818 (2), 8822 (2),<br>8823 (2), 8824 (2),<br>8825 (2), 8826, 8829  |
| 10087                               | $2^2 \times 4$ | 16    | 935550 | 10607 (2), 10498 (2),<br>10595, 10599, 10626                          | 8327, 8538, 8680 (2),<br>8684 (2), 8693, 8698,<br>8700, 8701, 8704,<br>8708 (2), 8929 (2),<br>8988 (2), 8993 (2),<br>9004 (2), 9005 (2)  |
| 10088                               | $D_8 \times 2$ | 16    | 935550 | 10558 (2), 10426 (2),<br>10615, 10599, 10554                          | 8327, 8532 (2), 8693<br>(2), 8695 (2), 8707<br>(2), 8883 (2), 8886<br>(2), 8887 (2), 9049<br>(2), 9063 (2)   |
| 10089                               | $2^2 \times 4$ | 16    | 935550 | 10483 (2), 10451 (2),<br>10532 (2), 10580                             | 8328, 8383, 8389,<br>8471, 8482, 8549,<br>8594, 8610, 8675,<br>8711, 8712, 8742,<br>8776, 8777, 8781,<br>8782, 8793, 8797,<br>8802, 8811, 8856,<br>8858, 8906, 8908,<br>8934, 8935, 8936,<br>8942, 8967, 8971,<br>8976   |
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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 10090                               | $2^2 \times 4$   | 16    | 467775  | 10509, 10607 (2),<br>10448, 10580, 10606<br>(2)                          | 8329, 8383 (2), 8483<br>(2), 8550, 8593,<br>8611, 8678, 8679,<br>8684 (2), 8685 (2),<br>8705 (2), 8706 (2),<br>8709, 8710, 8717 (2),<br>8718 (2), 8792, 8794<br>(2), 8798, 8799 (2),<br>8803, 8806 (2), 8807<br>(2), 8808, 8858 (2),<br>8906, 8907 (2), 8910<br>(2), 8911, 8925, 8927<br>(2) |
| 10091                               | $2^4$            | 16    | 467775  | 10582 (4), 10628 (4),<br>10615 (4), 10543 (2),<br>10600                  | 8330 (2), 8456, 8470<br>(4), 8650, 8681 (4),<br>8682 (2), 8707 (2),<br>8830, 8836 (2), 8837<br>(2), 8838 (2), 8839<br>(2), 8854 (4), 8855<br>(2), 8860 (4)   |
| 10092                               | $2^4$            | 16    | 935550  | 10563 (4), 10628,<br>10556 (2), 10582 (4),<br>10614, 10615 (2),<br>10595 | 8330 (2), 8347, 8348<br>(2), 8539, 8680 (2),<br>8693, 8720 (2), 8721,<br>8751, 8752 (2), 8754,<br>8756, 8896 (2), 8901<br>(2), 8902 (2)  |
| 10093                               | $2^4$            | 16    | 935550  | 10614 (4), 10582 (4),<br>10543 (2), 10563 (4),<br>10538                  | 8330, 8539 (2), 8804<br>(4), 8894 (2), 8895<br>(2), 8898 (2), 8899,<br>8900, 8903 (2), 8904<br>(2)   |
| 10094                               | $2 \times 4 : 2$ | 16    | 1871100 | 10624, 10614, 10618  | 8331, 8336, 8363,<br>8365, 8543, 8689,<br>8692, 8737, 8750,<br>8752, 8997, 8998,<br>8999, 9001, 9002   |
| 10095                               | $D_8 \times 2$   | 16    | 1871100 | 10623, 10456 (4),<br>10614, 10618  | 8331, 8336, 8339,<br>8363, 8364, 8367,<br>8652, 8687, 8690,<br>8691, 8735, 8736,<br>8754, 8992, 8999   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 10096                               | $2 \times 4 : 2$ | 16    | 1871100 | 10624, 10614, 10619                       | 8331, 8339, 8365, 8366, 8369, 8653, 8688, 8721, 8726, 8728, 8733, 8734, 8989, 8997, 8998 |
| 10097                               | $D_8 \times 2$   | 16    | 1871100 | 10623, 10630 (4), 10614, 10619            | 8331, 8341, 8368, 8370, 8686, 8687, 8727, 8728, 8733, 8734, 8735, 8736, 8739, 8748, 8752 |
| 10098                               | $2 \times 4 : 2$ | 16    | 1871100 | 10615, 10450 (2)                          | 8332 (2), 8723 (2), 8724, 8761 (2), 8762 (2), 8805, 8886                                 |
| 10099                               | $D_8 \times 2$   | 16    | 1871100 | 10592 (2), 10561 (2), 10615, 10608, 10502 | 8332 (2), 8350 (2), 8696, 8722 (2), 8725, 8887, 9058 (2)                                 |
| 10100                               | $D_8 \times 2$   | 16    | 1871100 | 10617, 10441 (4), 10618, 10614            | 8333, 8334, 8342, 8365, 8686, 8687, 8688, 8689, 8690, 8691, 8692, 8729, 8732, 8896, 8982 |
| 10101                               | $2 \times 4 : 2$ | 16    | 935550  | 10617, 10618, 10616                       | 8334 (2), 8558, 8689 (2), 8691 (2), 8946, 8947, 8987 (2), 8991 (2), 9014 (2), 9021 (4)   |
| 10102                               | $2 \times 4 : 2$ | 16    | 1871100 | 10617, 10616, 10619                       | 8334, 8366, 8371, 8541, 8686, 8688, 8732, 8739, 8758, 8940, 8949, 8985, 8991, 9014, 9016 |
| 10103                               | $D_8 \times 2$   | 16    | 935550  | 10617, 10455 (4), 10614, 10619            | 8334 (2), 8365 (2), 8366 (2), 8542, 8687 (2), 8738, 8739 (2), 8756, 8904 (4), 8984 (2)   |
| 10104                               | $2 \times 4 : 2$ | 16    | 1871100 | 10623, 10616, 10618                       | 8336, 8364, 8373, 8540, 8686, 8691, 8736, 8750, 8753, 8990, 8995, 9009, 9011, 9014, 9015 |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 10105                               | $2 \times 4 \cdot 2$ | 16    | 1871100 | 10624, 10616, 10618                       | 8336, 8546, 8688, 8689, 8768, 8769, 8990, 8991, 8992, 8995, 8996, 8997, 9002, 9008, 9009   |
| 10106                               | $2 \times 4 : 2$     | 16    | 1871100 | 10615, 10626 (2)                          | 8337, 8532, 8680 (2), 8681 (2), 8683, 8722 (2), 8723 (2)   |
| 10107                               | $2 \times 4 : 2$     | 16    | 1871100 | 10627, 10614, 10624                       | 8342, 8363, 8726, 8727, 8728, 8730, 8731, 8896, 8897, 8983, 8984, 8989, 8992, 9001, 9002   |
| 10108                               | $D_8 \times 2$       | 16    | 1871100 | 10560 (2), 10432 (2), 10594, 10622, 10615 | 8343 (2), 8713, 8723 (2), 8725, 8887, 9047 (2), 9051 (2)   |
| 10109                               | $2 \times 4 : 2$     | 16    | 1871100 | 10622 (2), 10615                          | 8343 (2), 8714, 8722 (2), 8724, 8759 (2), 8760 (2), 8886   |
| 10110                               | $D_8 \times 2$       | 16    | 1871100 | 10628, 10614, 10555 (2), 10558 (2), 10607 | 8344, 8348, 8679, 8693, 8729, 8731, 8733, 8735, 8901, 8929, 8931, 8982, 8984, 8998, 8999   |
| 10111                               | $D_8 \times 2$       | 16    | 935550  | 10623, 10614, 10630 (2), 10575 (2), 10568 | 8345, 8369 (2), 8370 (2), 8652 (2), 8729 (2), 8730 (2), 8749, 8750 (2), 8756, 8894 (4)   |
| 10112                               | $D_8 \times 2$       | 16    | 935550  | 10567, 10630 (2), 10442 (2), 10619, 10614 | 8345, 8367 (2), 8368 (2), 8653 (2), 8731 (2), 8732 (2), 8737 (2), 8738, 8751, 8895 (4)   |
| 10113                               | $2^2 \times 4$       | 16    | 467775  | 10580, 10449 (4), 10619 (2)               | 8346 (4), 8545, 8553 (2), 8703, 8715, 8716 (2), 8734 (4), 8738, 8862 (2), 8911, 8912 (2), 8926 (2), 8927 (2), 8928 (2), 8936 (2), 8937, 8940, 8967 (2), 8968 (2), 8971 (2), 8972 (2) |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 10114                               | $D_8 \times 2$ | 16    | 1871100 | 10555 (2), 10554, 10626, 10615, 10447 (2)                                  | 8347, 8532 (2), 8681 (2), 8693, 8694, 8884 (2), 9048 (2)   |
| 10115                               | $2^2 \times 4$ | 16    | 935550  | 10616 (2), 10626 (2), 10595, 10444 (2)                                     | 8347, 8538, 8680 (2), 8683 (2), 8694, 8753, 8755, 8757, 8758, 8930 (2), 8932 (2), 8990 (2), 8991 (2), 9006 (2), 9007 (2)   |
| 10116                               | $D_8 \times 2$ | 16    | 1871100 | 10555 (2), 10553 (2), 10615, 10444, 10534                                  | 8348 (2), 8361, 8694, 8760 (2), 8761 (2), 9048 (2), 9049   |
| 10117                               | $D_8 \times 2$ | 16    | 1871100 | 10431 (2), 10562, 10602, 10609 (2), 10626                                  | 8349, 8698, 8699, 8819 (2), 8892 (2), 9052 (2), 9064 (2)   |
| 10118                               | $2^4$          | 16    | 1871100 | 10583 (4), 10591 (4), 10559, 10615, 10620, 10540, 10500, 10602, 10629      | 8349, 8350 (2), 8695, 8697, 8839 (2), 9047 (2), 9062 (2)   |
| 10119                               | $2^2 \times 4$ | 16    | 1871100 | 10559, 10626, 10484 (2), 10501 (2), 10603                                  | 8349, 8699, 8700, 8817 (2), 9056 (2), 9060 (2), 9062 (2)   |
| 10120                               | $D_8 \times 2$ | 16    | 1871100 | 10592 (2), 10603, 10615, 10433 (2), 10562                                  | 8349, 8695, 8696, 8854 (2), 9051 (2), 9058 (2), 9064 (2)   |
| 10121                               | $D_8 \times 2$ | 16    | 3742200 | 10432, 10561, 10602, 10608, 10431, 10501, 10553                            | 8350, 8353, 8699, 8725, 9050, 9052, 9054   |
| 10122                               | $D_8 \times 2$ | 16    | 3742200 | 10558, 10499, 10592, 10608, 10629, 10429, 10433                            | 8350, 8352, 8695, 8890, 9054, 9058, 9061   |
| 10123                               | $D_8 \times 2$ | 16    | 3742200 | 10472, 10558, 10620, 10432, 10500, 10601, 10592                            | 8350, 8351, 8561, 8668, 8695, 9047, 9059   |
| 10124                               | $2^4$          | 16    | 467775  | 10507 (2), 10571 (4), 10612 (2), 10514 (2), 10620 (2), 10580, 10567, 10617 | 8351 (4), 8378 (2), 8395, 8476 (2), 8481, 8604 (2), 8608 (2), 8609 (2), 8697, 8732 (4), 8738, 8743 (2), 8767, 8781 (2), 8782 (2), 8785 (2), 8792, 8793 (2), 8794 (2), 8946, 8972 (2) |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 10125                               | $2^2 \times 4$       | 16    | 1871100 | 10499 (2), 10501 (2),<br>10624, 10607, 10623                       | 8352, 8353, 8540,<br>8700, 8728, 8733,<br>8750, 8806, 8988,<br>8992, 8994, 8999,<br>9008, 9012, 9013   |
| 10126                               | $2^4$                | 16    | 467775  | 10533 (4), 10550 (4),<br>10539 (2), 10623 (2),<br>10580, 10629 (2) | 8352 (4), 8386 (2),<br>8489 (2), 8545, 8599,<br>8615 (2), 8697, 8709,<br>8710 (2), 8736 (4),<br>8747 (2), 8749, 8781<br>(2), 8790 (2), 8861<br>(2), 8928 (2), 8942<br>(2), 8943, 8945, 8976<br>(2), 8977 (2) |
| 10127                               | $D_8 \times 2$       | 16    | 1871100 | 10432 (2), 10603,<br>10554, 10602, 10433<br>(2)                    | 8354, 8695, 8699,<br>8818 (2), 9050 (2),<br>9051 (2), 9063 (2)   |
| 10128                               | $2^2 \times 4$       | 16    | 935550  | 10603 (2), 10595,<br>10624 (2), 10502 (2)                          | 8354, 8543, 8696,<br>8700, 8719 (2), 8720<br>(2), 8721, 8726,<br>8757, 8994 (2), 8996<br>(2), 9000 (2), 9002<br>(2), 9004 (2), 9007<br>(2)   |
| 10129                               | $2 \times 4 \cdot 2$ | 16    | 1871100 | 10607, 10619, 10627  | 8355, 8356, 8541,<br>8701, 8728, 8731,<br>8748, 8911, 8949,<br>8984, 8986, 8989,<br>8993, 9013, 9017   |
| 10130                               | $2^2 \times 4$       | 16    | 467775  | 10580, 10454 (2),<br>10627, 10508 (2),<br>10568                    | 8355 (4), 8380 (2),<br>8398, 8481, 8485 (2),<br>8608 (2), 8612 (2),<br>8703, 8730 (4), 8747<br>(2), 8749, 8766, 8776<br>(2), 8780 (2), 8791<br>(2), 8797 (2), 8798<br>(2), 8808, 8939, 8971<br>(2), 8973 (2) |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 10131                               | $2^2 \times 4$   | 16    | 935550  | 10595, 10585 (4),<br>10627, 10619                                  | 8356 (2), 8357, 8542,<br>8701, 8703, 8726,<br>8727 (2), 8751, 8755,<br>8863 (2), 8902 (2),<br>8985 (2), 8986 (2),<br>9005 (2), 9007 (2)  |
| 10132                               | $2^4$            | 16    | 467775  | 10628 (2), 10541 (4),<br>10528 (4), 10586 (2),<br>10611 (2), 10580 | 8358, 8376 (2), 8471<br>(2), 8602 (2), 8678<br>(2), 8679, 8742 (2),<br>8743 (2), 8746 (2),<br>8747 (2), 8764 (2),<br>8765 (2), 8766, 8767,<br>8857, 8901 (4), 8934<br>(2), 8937, 8943, 8950<br>(4), 8968 (2) |
| 10133                               | $Q_8 \times 2$   | 16    | 935550  | 10616 (2), 10459 (2),<br>10607, 10427 (2)                          | 8359, 8706, 8740 (2),<br>8741 (2), 8744 (2),<br>8745 (2), 8768, 8769,<br>8929 (2), 8930 (2),<br>8932, 9013 (2), 9014<br>(2), 9015, 9016  |
| 10134                               | $D_8 \times 2$   | 16    | 1871100 | 10586, 10632, 10555<br>(2), 10537 (2), 10615                       | 8361, 8759 (2), 8762<br>(2), 8857, 8884 (2),<br>8901 (2), 9049   |
| 10135                               | $D_8 : 2$        | 16    | 3742200 | 10555, 10459, 10632,<br>10444, 10537, 10626,<br>10553              | 8361, 8824, 8884,<br>8929, 8930, 8932,<br>9048   |
| 10136                               | $D_8 \times 2$   | 16    | 1871100 | 10586, 10556, 10555<br>(2), 10558 (2), 10606                       | 8362, 8463 (2), 8601<br>(2), 8679, 8884, 8901<br>(2), 9049 (2)   |
| 10137                               | $D_8 \times 2$   | 16    | 935550  | 10623, 10587 (4),<br>10614, 10627                                  | 8363 (2), 8364 (2),<br>8542, 8728 (2), 8748<br>(2), 8749, 8751, 8903<br>(4), 8982 (2), 8983<br>(2)   |
| 10138                               | $2 \times 4 : 2$ | 16    | 1871100 | 10623, 10616, 10627  | 8364, 8372, 8541,<br>8727, 8730, 8748,<br>8755, 8945, 8949,<br>8983, 8987, 8990,<br>8992, 9013, 9015   |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 10139                               | $2 \times 4 \cdot 2$ | 16    | 1871100 | 10624, 10616, 10619                       | 8366, 8374, 8540, 8727, 8734, 8737, 8757, 8989, 8991, 8996, 8997, 9009, 9010, 9013, 9016 |
| 10140                               | $2 \times 4 : 2$     | 16    | 1871100 | 10623, 10619, 10616                       | 8367, 8369, 8373, 8374, 8536, 8734, 8736, 8739, 8748, 8755, 8758, 9008, 9009, 9013, 9014 |
| 10141                               | $2 \times 4 : 2$     | 16    | 935550  | 10567, 10616, 10618                       | 8367 (2), 8372 (2), 8537, 8732 (2), 8737 (2), 8753 (2), 8769 (2), 8873 (4), 8946, 8948   |
| 10142                               | $2 \times 4 \cdot 2$ | 16    | 935550  | 10624, 10616, 10568                       | 8369 (2), 8371 (2), 8537, 8730 (2), 8750 (2), 8757 (2), 8768 (2), 8872 (4), 8939, 8947   |
| 10143                               | $D_8 \times 2$       | 16    | 467775  | 10617, 10526 (2), 10437 (2), 10568, 10628 | 8371 (4), 8478 (4), 8481, 8729 (4), 8756 (2), 8766 (2), 8837 (4), 8875 (4), 8947 (2)     |
| 10144                               | $2^3 \cdot 2$        | 16    | 1871100 | 10624, 10619, 10628                       | 8371, 8374, 8544, 8721, 8731, 8733, 8752, 8937, 8950, 8984, 8985, 8996, 8998, 9008, 9010 |
| 10145                               | $D_8 \times 2$       | 16    | 467775  | 10567, 10610 (2), 10436 (2), 10627, 10628 | 8372 (4), 8477 (4), 8481, 8731 (4), 8751 (2), 8767 (2), 8838 (4), 8876 (4), 8948 (2)     |
| 10146                               | $D_8 \times 2$       | 16    | 1871100 | 10623, 10625 (4), 10618, 10628            | 8372, 8373, 8544, 8729, 8735, 8752, 8754, 8943, 8950, 8982, 8987, 8995, 8999, 9008, 9011 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 10147                               | $D_8 \times 2$ | 16    | 935550  | 10623, 10588 (4),<br>10619, 10628   | 8373 (2), 8374 (2),<br>8545, 8733 (2), 8735<br>(2), 8751, 8756, 8860<br>(4), 8949 (2), 8950<br>(2)  |
| 10148                               | $Q_8 : 2$      | 16    | 3742200 | 10469, 10425, 10427   | 8375, 8770, 8771,<br>8885, 9029, 9069,<br>9070  |
| 10149                               | $Q_8 : 2$      | 16    | 1871100 | 10605, 10470, 10427   | 8379, 8744 (2), 8770<br>(2), 9040, 9055 (2),<br>9067, 9070 (2)  |
| 10150                               | $Q_8 : 2$      | 16    | 1871100 | 10471, 10428, 10427   | 8379, 8745 (2), 8771<br>(2), 9033, 9067, 9068<br>(2), 9069 (2)  |
| 10151                               | $2^4$          | 16    | 935550  | 10550, 10584 (2),<br>10612 (2), 10621 (2),<br>10531 (2), 10511 (2),<br>10573 (2), 10580,<br>10545 | 8380, 8388, 8396,<br>8476, 8489, 8490,<br>8605, 8609, 8615,<br>8616, 8743, 8746,<br>8765, 8776, 8777 (2),<br>8779, 8780, 8786,<br>8787, 8799, 8802,<br>8803, 8811, 8862,<br>8905, 8927, 8944,<br>8967, 8977, 8978 |
| 10152                               | $D_8 \times 2$ | 16    | 935550  | 10545, 10527 (2),<br>10477 (2), 10454,<br>10611   | 8380, 8461 (2), 8480,<br>8505, 8607, 8629 (2),<br>8631 (2), 8746 (2),<br>8775 (2), 8846, 8850<br>(2), 8852, 8853, 8952<br>(2), 8966 (2)   |
| 10153                               | $2^4$          | 16    | 935550  | 10543, 10584 (2),<br>10617 (2), 10590 (4),<br>10546 (2), 10524 (2),<br>10612, 10545               | 8381, 8472 (2), 8476,<br>8512, 8516 (2), 8607,<br>8639 (2), 8775 (2),<br>8779 (2), 8834 (2),<br>8837, 8880, 8881,<br>8904 (2), 8954 (2)   |
| 10154                               | $D_8 \times 2$ | 16    | 935550  | 10545, 10578 (2),<br>10451, 10474 (2),<br>10612   | 8381, 8480, 8507 (2),<br>8525, 8527 (2), 8609,<br>8647 (2), 8775 (2),<br>8777 (2), 8840 (2),<br>8848, 8881, 8882,<br>8956 (2), 8975 (2)   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 10155                               | $D_8 \cdot 2$  | 16    | 3742200 | 10605, 10427, 10428  | 8385, 8744, 8745, 8893, 9032, 9055, 9068   |
| 10156                               | $D_8 \times 2$ | 16    | 1871100 | 10611, 10481 (2), 10550, 10454, 10597 (2)                                  | 8386, 8488, 8554, 8614, 8746, 8747, 8783, 8784, 8868, 8916, 8917, 8951, 8952, 8958, 8965   |
| 10157                               | $2^2 \times 4$ | 16    | 935550  | 10454 (2), 10585 (2), 10580, 10449, 10510                                  | 8386, 8397, 8485, 8490, 8553, 8598, 8613, 8616, 8711, 8712 (2), 8746, 8764, 8782, 8785, 8787, 8791, 8794, 8861, 8863, 8905, 8909, 8910, 8925, 8926, 8935, 8938, 8968, 8973, 8976, 8978 |
| 10158                               | $2^2 \times 4$ | 16    | 1871100 | 10451, 10479 (2), 10612, 10454, 10513 (2)                                  | 8387, 8488, 8556, 8616, 8775, 8776, 8782, 8783, 8867, 8918, 8919, 8953, 8955, 8956, 8969   |
| 10159                               | $D_8 \times 2$ | 16    | 1871100 | 10451, 10598 (2), 10550, 10612, 10487 (2)                                  | 8387, 8488, 8555, 8615, 8777, 8778, 8781, 8784, 8867, 8913, 8914, 8953, 8954, 8962, 8974   |
| 10160                               | $2^4$          | 16    | 1871100 | 10591 (4), 10584 (2), 10623 (2), 10612, 10547 (2), 10550, 10596 (2), 10543 | 8387, 8489, 8551, 8614, 8697, 8778, 8779, 8783, 8860, 8894, 8903, 8913, 8921, 8974, 8975   |
| 10161                               | $D_8 \times 2$ | 16    | 1871100 | 10612, 10587, 10454, 10455, 10543, 10588, 10604                            | 8387, 8490, 8552, 8614, 8775, 8780, 8784, 8785, 8860, 8903, 8904, 8919, 8922, 8955, 8964   |
| 10162                               | $2^4$          | 16    | 935550  | 10621 (4), 10548 (4), 10581 (4), 10611, 10612 (2)                          | 8388, 8488 (2), 8614 (2), 8743 (2), 8775 (2), 8778 (2), 8869, 8915, 8957 (2), 9045 (4)   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                            | Minimal Overgroups   |
| 10163                               | $D_8 \times 2$   | 16    | 1871100 | 10565 (2), 10478 (2),<br>10543, 10451, 10611 | 8389, 8471, 8548,<br>8602, 8775, 8778,<br>8783, 8784, 8855,<br>8898, 8900, 8951,<br>8960, 8965, 8966   |
| 10164                               | $Q_8 \times 2$   | 16    | 935550  | 10430 (2), 10434 (2),<br>10607, 10624 (2)    | 8394, 8546, 8768,<br>8772 (2), 8773 (2),<br>8800 (2), 8801 (2),<br>8806, 8988 (2), 8989<br>(2), 8994 (2), 8998<br>(2), 9000, 9001, 9010  |
| 10165                               | $2^2 \times 4$   | 16    | 467775  | 10475 (4), 10627 (2),<br>10580               | 8396 (2), 8398, 8475,<br>8484 (2), 8604 (2),<br>8613 (2), 8764 (2),<br>8767, 8790 (2), 8797<br>(2), 8799 (2), 8802<br>(2), 8809 (2), 8810,<br>8897, 8911, 8936 (2),<br>8938 (2), 8945, 8983<br>(4), 8986 (4) |
| 10166                               | $2^2 \times 4$   | 16    | 467775  | 10580, 10624 (2),<br>10473 (2), 10622 (2)    | 8397 (2), 8484 (2),<br>8547, 8599, 8612 (2),<br>8713, 8714 (2), 8765<br>(2), 8786 (2), 8792,<br>8793 (2), 8897, 8910<br>(2), 8912 (2), 8935<br>(2), 8937, 8939, 8942<br>(2), 8944 (2), 8994<br>(4), 8997 (4) |
| 10167                               | $2 \times 4 : 2$ | 16    | 935550  | 10600, 10626 (2)                             | 8454, 8591 (2), 8595,<br>8681 (2), 8682, 8683<br>(2), 8708, 8812, 8817<br>(2), 8819 (2), 8820<br>(2), 8821 (2), 8825<br>(2), 8827, 8828  |
| 10168                               | $2 \times 4 : 2$ | 16    | 1871100 | 10611, 10632 (2)                             | 8455 (2), 8592, 8677,<br>8815 (2), 8816, 9045<br>(2), 9046 (2)   |
| 10169                               | $D_8 \times 2$   | 16    | 1871100 | 10423 (2), 10555 (2),<br>10611, 10632, 10556 | 8455 (2), 8676, 8814,<br>8815 (2), 8824, 8901<br>(2), 9048 (2)   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups  |
| 10170                               | $D_8 \times 2$ | 16    | 467775  | 10611, 10537 (4),<br>10448, 10600                     | 8457, 8458 (2), 8590<br>(2), 8591 (2), 8592<br>(2), 8593, 8617 (2),<br>8824 (2), 8827 (2),<br>8829 (2), 8830, 8843<br>(2), 8844 (2), 8846<br>(2), 8849 (2), 8855<br>(2), 8857 (2), 8865<br>(2), 8866 (2), 8868<br>(2), 8869 (2) |
| 10171                               | $2^3 \cdot 2$  | 16    | 467775  | 10451 (2), 10600                                      | 8457, 8491 (4), 8650,<br>8774, 8825 (4), 8826<br>(2), 8828 (2), 8842<br>(2), 8845 (2), 8847<br>(2), 8848 (2), 8855<br>(2), 8856 (2), 8864<br>(4), 8867 (4)  |
| 10172                               | $D_8 \times 2$ | 16    | 935550  | 10600, 10550, 10610<br>(2), 10588 (2), 10454          | 8459, 8500 (2), 8502<br>(2), 8625 (2), 8627<br>(2), 8651, 8780,<br>8831, 8838, 8846,<br>8847, 8860 (2), 8861<br>(2), 8867 (2), 8868<br>(2)  |
| 10173                               | $D_8 \times 2$ | 16    | 935550  | 10600, 10588 (2),<br>10612, 10437 (2),<br>10449       | 8459, 8501 (2), 8503<br>(2), 8596, 8624 (2),<br>8626 (2), 8785, 8831,<br>8837, 8848, 8849,<br>8860 (2), 8862 (2),<br>8867 (2), 8869 (2)   |
| 10174                               | $2^3 \cdot 2$  | 16    | 3742200 | 10532, 10616, 10528                                   | 8465, 8872, 8873,<br>8933, 8934, 9018,<br>9021  |
| 10175                               | $D_8 \times 2$ | 16    | 3742200 | 10457 (2), 10631 (2),<br>10531, 10616, 10533          | 8467, 8872, 8873,<br>8977, 8979, 9018,<br>9021  |
| 10176                               | $D_8 \times 2$ | 16    | 1871100 | 10565 (2), 10532,<br>10528, 10486 (2),<br>10628       | 8470 (2), 8471, 8874<br>(2), 8875, 8876, 8933<br>(2), 8941 (2)  |
| 10177                               | $D_8 \times 2$ | 16    | 3742200 | 10524, 10488, 10474,<br>10480, 10527, 10613,<br>10486 | 8472, 8473, 8474,<br>8495, 8507, 8621,<br>8631  |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 10178                               | $D_8 \times 2$       | 16    | 935550  | 10480 (4), 10627, 10617, 10628  | 8473 (4), 8475, 8766, 8767, 8896 (2), 8949 (2), 8982 (2), 8984 (2), 8985 (2), 8987 (2)                                   |
| 10179                               | $2^4$                | 16    | 1871100 | 10620 (2), 10590 (2), 10583 (2), 10621 (2), 10525, 10544, 10524, 10542, 10628, 10573, 10571 | 8473 (2), 8476, 8477, 8478, 8743 (2), 8839 (2), 8874 (2)   |
| 10180                               | $2^2 \times 4$       | 16    | 935550  | 10543, 10585 (2), 10510, 10454, 10627 (2)   | 8485, 8486 (2), 8512, 8515 (2), 8635 (2), 8835 (2), 8838, 8852, 8863 (2), 8877, 8878, 8879, 8903 (2), 8951 (2), 8955 (2) |
| 10181                               | $D_8 \times 2$       | 16    | 1871100 | 10610, 10588, 10628, 10585, 10437, 10584, 10604   | 8487 (2), 8490, 8837, 8838, 8860 (2), 8874 (2), 8902 (2)   |
| 10182                               | $2^4$                | 16    | 1871100 | 10596 (2), 10629 (2), 10591 (4), 10621 (2), 10533, 10531, 10544 (2), 10628                  | 8487 (2), 8489, 8839 (2), 8875, 8876, 8941 (2), 8979 (2)   |
| 10183                               | $D_8 \times 2$       | 16    | 3742200 | 10565, 10488, 10610, 10581, 10596, 10598, 10489   | 8502, 8504, 8517, 8627, 8637, 8778, 8876   |
| 10184                               | $D_8 \times 2$       | 16    | 3742200 | 10565, 10479, 10437, 10613, 10596, 10452, 10481   | 8503, 8504, 8514, 8626, 8638, 8783, 8875   |
| 10185                               | $2 \times 4 \cdot 2$ | 16    | 935550  | 10510, 10451, 10454   | 8505, 8506 (2), 8518, 8521 (2), 8640 (2), 8712 (2), 8791, 8847, 8851 (2), 8877, 8878, 8882, 8953 (2), 8955 (2), 8965 (2) |
| 10186                               | $D_8 \times 2$       | 16    | 1871100 | 10453, 10604, 10627, 10582, 10610, 10584, 10587   | 8512, 8517 (2), 8637 (2), 8780, 8838, 8902 (2), 8903 (2)   |
| 10187                               | $D_8 \times 2$       | 16    | 1871100 | 10617, 10585, 10437, 10604, 10453, 10582, 10455   | 8512, 8514 (2), 8638 (2), 8785, 8837, 8902 (2), 8904 (2)   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 10188                               | $2^2 \times 4$   | 16    | 1871100 | 10488 (2), 10513 (2), 10627, 10531, 10532                                  | 8513, 8517 (2), 8635 (2), 8776, 8876, 9018 (2), 9022 (2)   |
| 10189                               | $D_8 \times 2$   | 16    | 1871100 | 10452 (2), 10533, 10617, 10487 (2), 10532                                  | 8513, 8514 (2), 8639 (2), 8781, 8875, 9020 (2), 9021 (2)   |
| 10190                               | $D_8 \times 2$   | 16    | 1871100 | 10627, 10533, 10489 (2), 10597 (2), 10528                                  | 8513, 8515 (2), 8637 (2), 8747, 8876, 9018 (2), 9019 (2)   |
| 10191                               | $2^4$            | 16    | 1871100 | 10590 (4), 10593 (2), 10589 (2), 10617, 10548 (2), 10613 (2), 10531, 10528 | 8513, 8516 (2), 8638 (2), 8743, 8875, 9021 (2), 9023 (2)   |
| 10192                               | $2 \times 4 : 2$ | 16    | 935550  | 10612, 10448, 10510  | 8518, 8520 (2), 8525, 8528 (2), 8600, 8642 (2), 8794, 8841 (2), 8849, 8879, 8880, 8955 (2), 8957 (2), 8974 (2), 8978 (2)                 |
| 10193                               | $4^2$            | 16    | 467775  | 10454 (2), 10509   | 8523 (4), 8524 (2), 8644 (2), 8651, 8798, 8832 (2), 8853, 8871 (2), 8878 (2), 8916 (2), 8919 (4), 8925 (2), 9037 (4), 9039 (2), 9042 (4) |
| 10194                               | $2 \times 4 : 2$ | 16    | 1871100 | 10615, 10626, 10599  | 8532 (2), 8680 (2), 8682, 8707, 8708, 9062 (2), 9064 (2)   |
| 10195                               | $D_8 : 2$        | 16    | 935550  | 10537 (2), 10626 (2), 10606, 10427, 10552                                  | 8533 (2), 8684, 8829 (2), 8884 (2), 8885 (2), 8892 (2), 8893 (2), 8932 (2), 9060 (2), 9067 (2)   |
| 10196                               | $D_8 \times 2$   | 16    | 1871100 | 10601 (2), 10431 (2), 10594, 10629, 10606                                  | 8534 (2), 8709, 8888 (2), 8890, 8892, 9047 (2), 9054 (2)   |
| 10197                               | $D_8 \times 2$   | 16    | 1871100 | 10629 (2), 10631 (2), 10606, 10605 (2)                                     | 8534 (2), 8710, 8889 (2), 8891, 8893, 8979 (2), 9055 (2)   |
| 10198                               | $8 : 2$          | 16    | 1871100 | 10606, 10428 (2)   | 8535 (2), 8807, 8888 (2), 8891, 8893, 8981 (2), 9068 (2)   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 10199                               | $D_8 : 2$        | 16    | 1871100 | 10592 (2), 10499 (2), 10606, 10609, 10434       | 8535 (2), 8806, 8889 (2), 8890, 8892, 9058 (2), 9059 (2)   |
| 10200                               | $D_8 \times 2$   | 16    | 3742200 | 10584, 10614, 10630, 10455, 10587, 10585, 10453 | 8542, 8894, 8895, 8902, 8903, 8904, 8905   |
| 10201                               | $D_8 \times 2$   | 16    | 1871100 | 10550, 10630 (2), 10449, 10588 (2), 10543       | 8545, 8552, 8860, 8861, 8862, 8894, 8895, 8913, 8917, 8921, 8923, 8951, 8954, 8960, 8961   |
| 10202                               | $2^3 \cdot 2$    | 16    | 935550  | 10624, 10618, 10628                             | 8547, 8896 (2), 8941 (4), 8947, 8948, 8950 (2), 8995 (2), 8996 (2), 8998 (2), 8999 (2)   |
| 10203                               | $2^3 \cdot 2$    | 16    | 935550  | 10451 (2), 10538                                | 8548 (2), 8675 (2), 8856, 8899, 8900, 8953 (2), 8956 (2), 8959 (2), 8962 (2), 9065 (4)   |
| 10204                               | $2 \times 4 : 2$ | 16    | 1871100 | 10543, 10448, 10451                             | 8548, 8549, 8855, 8858, 8859, 8898, 8899, 8954, 8955, 8961, 8964, 8969, 8970, 8974, 8975   |
| 10205                               | $D_8 \times 2$   | 16    | 935550  | 10611, 10555 (4), 10448, 10538                  | 8548 (2), 8676, 8679, 8857, 8898 (2), 8952 (2), 8957 (2), 8958 (2), 8963 (2), 9048 (4)   |
| 10206                               | $2^2 \times 4$   | 16    | 467775  | 10580, 10632 (2), 10448 (2), 10616 (2)          | 8549 (2), 8550, 8676, 8677 (2), 8857, 8859 (2), 8907 (2), 8908 (2), 8930 (4), 8934 (2), 8938 (2), 8939, 8940, 8944 (2), 8945, 8946, 8972 (2), 8973 (2), 8977 (2), 8978 (2), 9009 (4) |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 10207                               | $2^2 \times 4$       | 16    | 935550  | 10628, 10616, 10632 (2), 10606 (2), 10607       | 8550, 8901 (2), 8929 (2), 8931, 8932, 8933 (2), 8947, 8948, 8949 (2), 8979 (2), 8980 (2), 8981 (2), 9008 (2), 9010, 9011 |
| 10208                               | $D_8 \times 2$       | 16    | 3742200 | 10623, 10582, 10588, 10630, 10587, 10585, 10610 | 8551, 8751, 8860, 8861, 8894, 8902, 8903   |
| 10209                               | $D_8 \times 2$       | 16    | 3742200 | 10584, 10588, 10437, 10619, 10455, 10630, 10582 | 8551, 8756, 8860, 8862, 8895, 8902, 8904   |
| 10210                               | $D_8 \times 2$       | 16    | 1871100 | 10550, 10630 (2), 10538, 10454, 10587 (2)       | 8551, 8552, 8749, 8861, 8895, 8903, 8905, 8914, 8916, 8918, 8924, 8952, 8953, 8958, 8959                                 |
| 10211                               | $D_8 \times 2$       | 16    | 1871100 | 10612, 10630 (2), 10455 (2), 10449, 10538       | 8551, 8552, 8738, 8862, 8894, 8904, 8905, 8914, 8915, 8918, 8920, 8956, 8957, 8962, 8963                                 |
| 10212                               | $2^2 \times 4$       | 16    | 1871100 | 10543, 10619 (2), 10449, 10585 (2), 10454       | 8551, 8553, 8703, 8860, 8863, 8895, 8904, 8917, 8919, 8922, 8923, 8965, 8966, 8969, 8970                                 |
| 10213                               | $2^3 \cdot 2$        | 16    | 935550  | 10449 (2), 10611                                | 8554 (2), 8716, 8869, 8915, 8917 (2), 8960 (2), 8963 (2), 8966 (2), 8968 (2), 9046 (4)                                   |
| 10214                               | $2 \times 4 \cdot 2$ | 16    | 1871100 | 10449, 10451, 10454                             | 8554, 8556, 8712, 8867, 8914, 8919, 8923, 8926, 8951, 8956, 8959, 8964, 8966, 8970, 8971                                 |
| 10215                               | $2^3 \cdot 2$        | 16    | 1871100 | 10449, 10451, 10550                             | 8554, 8555, 8867, 8913, 8918, 8923, 8928, 8959, 8960, 8961, 8962, 8965, 8967, 8975, 8976                                 |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                            | Minimal Overgroups   |
| 10216                               | $D_8 \times 2$       | 16    | 935550  | 10550 (2), 10631 (4),<br>10448               | 8555 (2), 8710, 8868,<br>8921 (2), 8924, 8958<br>(2), 8961 (2), 8974<br>(2), 8977 (2), 9044<br>(4)   |
| 10217                               | $2^3 \cdot 2$        | 16    | 1871100 | 10449, 10448, 10612                          | 8555, 8556, 8869,<br>8920, 8921, 8922,<br>8927, 8954, 8957,<br>8963, 8964, 8969,<br>8972, 8975, 8978                                       |
| 10218                               | $4^2$                | 16    | 935550  | 10448, 10454 (2)                             | 8556 (2), 8868, 8922<br>(2), 8924, 8925, 8952<br>(2), 8955 (2), 8970<br>(2), 8973 (2), 9043<br>(4)   |
| 10219                               | $D_8 \times 2$       | 16    | 3742200 | 10482 (2), 10490 (2),<br>10528, 10624, 10531 | 8557, 8566, 8765,<br>8872, 8941, 9018,<br>9023   |
| 10220                               | $2 \times 4 : 2$     | 16    | 3742200 | 10624, 10533, 10532                          | 8557, 8585, 8872,<br>8941, 8942, 9018,<br>9020   |
| 10221                               | $D_8 \times 2$       | 16    | 3742200 | 10528, 10625 (4),<br>10618, 10533            | 8557, 8577, 8873,<br>8941, 8943, 9019,<br>9021   |
| 10222                               | $2 \times 4 : 2$     | 16    | 3742200 | 10531, 10618, 10532                          | 8557, 8580, 8811,<br>8873, 8941, 9021,<br>9022   |
| 10223                               | $2 \times 4 \cdot 2$ | 16    | 935550  | 10624, 10616, 10627                          | 8558, 8939, 8948,<br>8983 (2), 8985 (2),<br>8989 (2), 8990 (2),<br>9002 (2), 9013 (2),<br>9018 (4)   |
| 10224                               | $4^2$                | 16    | 935550  | 10607, 10618, 10627                          | 8558, 8808, 8948,<br>8982 (2), 8986 (2),<br>8992 (2), 8993 (2),<br>9001, 9003, 9015,<br>9017, 9019 (2), 9022<br>(2), 9025 (2), 9027<br>(2) |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 10225                               | $D_8 : 2$        | 16    | 3742200 | 10601, 10498, 10432, 10501, 10485, 10430, 10433              | 8561, 8988, 9050, 9051, 9053, 9054, 9056                 |
| 10226                               | $D_8 : 2$        | 16    | 3742200 | 10592, 10502, 10622, 10433, 10558, 10430, 10499              | 8561, 8887, 8994, 9051, 9058, 9059, 9061                 |
| 10227                               | $D_{16}$         | 16    | 7484400 | 10631, 10609, 10460  | 8584, 8889, 9044   |
| 10228                               | $D_8 \times 2$   | 16    | 1871100 | 10557, 10537, 10423, 10558, 10611, 10615, 10606              | 8593, 8829, 8883, 8901 (2), 9047 (2), 9048 (2), 9058 (2) |
| 10229                               | $D_8 \times 2$   | 16    | 1871100 | 10424 (2), 10592 (2), 10611, 10622, 10629                    | 8599, 8865, 9045 (2), 9046 (2), 9047 (2), 9058 (2), 9061 |
| 10230                               | $D_8 : 2$        | 16    | 1871100 | 10423, 10553, 10557, 10427, 10448, 10498, 10626              | 8684, 8813, 8829, 8930 (2), 9048 (2), 9052 (2), 9056 (2) |
| 10231                               | $D_8 : 2$        | 16    | 1871100 | 10606, 10427, 10558, 10498, 10537, 10553, 10599              | 8684, 8829, 8883, 8929 (2), 9049 (2), 9054 (2), 9059 (2) |
| 10232                               | $D_8 : 2$        | 16    | 1871100 | 10606, 10427, 10555 (2), 10444 (2), 10426                    | 8706, 8931, 8932, 9048 (2), 9049 (2), 9055 (2), 9068 (2) |
| 10233                               | $2 \times 4 : 2$ | 16    | 1871100 | 10615, 10603 (2)   | 8719, 8760 (2), 8762 (2), 8763, 8854 (2), 9062 (2), 9063 |
| 10234                               | $D_8 : 2$        | 16    | 3742200 | 10432, 10434, 10485, 10502, 10560, 10603, 10553              | 8725, 8823, 9000, 9050, 9051, 9056, 9059                 |
| 10235                               | $D_8 : 2$        | 16    | 3742200 | 10622, 10501, 10592, 10434, 10537, 10603, 10561              | 8725, 8865, 8994, 9051, 9058, 9059, 9060                 |
| 10236                               | $D_8 : 2$        | 16    | 3742200 | 10431, 10434, 10485, 10501, 10560, 10626, 10561              | 8725, 8823, 8892, 8988, 9052, 9056, 9060                 |
| 10237                               | $2^4$            | 16    | 1871100 | 10590 (4), 10591 (4), 10602 (2), 10579 (2), 10621 (2), 10615 | 8759 (2), 8761 (2), 8763, 8779, 8839 (2), 9063, 9064 (2) |
| 10238                               | $2 \times 4 : 2$ | 16    | 3742200 | 10621, 10632, 10622  | 8759 (2), 8944, 9045 (2)                                 |
| 10239                               | $2 \times 4 : 2$ | 16    | 3742200 | 10602, 10626, 10603  | 8763, 8817, 8818, 8819, 9004, 9062, 9064                 |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                     | Minimal Overgroups  |
| 10240                               | $D_8 \cdot 2$  | 16    | 7484400 | 10631, 10434, 10460                                   | 8800, 8889, 9044  |
| 10241                               | $D_8 : 2$      | 16    | 1871100 | 10424 (2), 10501 (2),<br>10448, 10434, 10609          | 8806, 8865, 9043 (2),<br>9044 (2), 9052 (2),<br>9056 (2), 9057  |
| 10242                               | $D_8 : 2$      | 16    | 3742200 | 10555, 10427, 10558,<br>10447, 10632, 10444,<br>10498 | 8814, 8884, 8929,<br>8930, 8931, 9048,<br>9049  |
| 10243                               | $D_8 : 2$      | 16    | 3742200 | 10485, 10609, 10431,<br>10501, 10601, 10427,<br>10499 | 8892, 9012, 9052,<br>9053, 9054, 9056,<br>9059  |
| 10244                               | $D_8 \times 2$ | 16    | 3742200 | 10621, 10632, 10457<br>(2), 10631 (2), 10629          | 8977, 8979 (2), 9045<br>(2)   |
| 10245                               | 15             | 15    | 665280  | 10671, 10713  | 5151 (6), 7142 (3),<br>7149 (2), 7816, 9071<br>(3), 9073 (3), 9074<br>(3), 9075, 9078,<br>9079, 9084 (3)                            |
| 10246                               | 15             | 15    | 166320  | 10671, 10714  | 7143 (4), 7816 (4),<br>9072 (6), 9076, 9077,<br>9080, 9081 (6), 9082<br>(6), 9083 (6), 9085<br>(3), 9086 (3), 9087<br>(3), 9088 (3) |
| 10247                               | $D_{14}$       | 14    | 950400  | 10633, 10718 (7)                                      | 1821 (2), 7817, 7820,<br>7821 (2), 7826 (3),<br>9089 (3), 9095 (3),<br>9096   |
| 10248                               | 14             | 14    | 950400  | 10633, 10719  | 5036 (6), 7823, 7825<br>(3), 7830 (2), 7831,<br>9089 (3), 9091 (3),<br>9096   |
| 10249                               | 14             | 14    | 1425600 | 10633, 10720  | 5038 (2), 6235 (2),<br>7822 (2), 7824, 9090,<br>9091, 9092, 9093,<br>9094, 9095, 9097   |
| 10250                               | $D_{14}$       | 14    | 1425600 | 10633, 10717 (7)                                      | 6236 (2), 7819, 7829<br>(2), 9089 (2), 9094,<br>9097 (2)  |
| 10251                               | $D_{14}$       | 14    | 95040   | 10633, 10721 (7)                                      | 6237 (6), 7818, 7827<br>(10), 7828 (20), 9094<br>(15), 9096 (10)  |

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| Nr.                                 | Structure | Order | Length   | Maximal Subgroups                 | Minimal Overgroups  |
| 10252                               | $D_{12}$  | 12    | 3326400  | 10666, 10637 (2),<br>10700 (3)    | 1513 (6), 7404 (6),<br>7522 (3), 7898 (2),<br>7918, 9111 (3), 9138<br>(3), 9230   |
| 10253                               | $D_{12}$  | 12    | 19958400 | 10645, 10638, 10635,<br>10701 (3) | 1514 (2), 4919 (2),<br>4920, 7250 (2), 7251<br>(2), 7258, 7271,<br>7534, 7980, 7987,<br>8032, 8046, 8049 (2),<br>9179     |
| 10254                               | $D_{12}$  | 12    | 4989600  | 10663, 10641, 10634,<br>10701 (3) | 2423 (2), 7360 (2),<br>7593, 7890 (2), 7987<br>(2), 8032 (4), 8062,<br>9113, 9114, 9115,<br>9155, 9325, 9400,<br>9401     |
| 10255                               | $D_{12}$  | 12    | 831600   | 10663, 10642, 10667,<br>10702 (3) | 2424 (2), 7780, 7891<br>(4), 7997 (4), 8055,<br>9114 (6), 9116 (3),<br>9156, 9417 (6), 9456<br>(3)                        |
| 10256                               | $D_{12}$  | 12    | 2494800  | 10663, 10643, 10669,<br>10703 (3) | 2426 (2), 7795, 8080,<br>9115 (2), 9116, 9118<br>(2), 9159, 9452 (2),<br>9457, 9458 (2)                                   |
| 10257                               | $A_4$     | 12    | 554400   | 10695, 10716 (4)                  | 2436 (6), 7773 (3),<br>7893 (2), 7972, 8044,<br>9120 (9), 9121 (9),<br>9122, 9374 (3), 9420<br>(3), 9427 (3), 9432<br>(3) |
| 10258                               | $A_4$     | 12    | 554400   | 10695, 10715 (4)                  | 2461 (3), 7771 (3),<br>7893, 7964, 8044 (2),<br>9119 (3), 9124 (3),<br>9125 (9), 9126 (9),<br>9127 (3), 9128, 9129<br>(3) |
| 10259                               | $A_4$     | 12    | 1663200  | 10700, 10716 (4)                  | 2463 (4), 7112 (6),<br>7782, 7894 (4), 9112<br>(6), 9265 (3)  |
| 10260                               | $A_4$     | 12    | 3326400  | 10700, 10715 (4)                  | 2465, 7602 (3), 7604<br>(2), 7894, 9123 (3),<br>9130 (3), 9131  |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10261                               | $D_{12}$  | 12    | 4989600 | 10665, 10664, 10634, 10689 (3) | 4921 (2), 4922 (2), 7269 (2), 7786, 7911, 8013 (2), 8014 (2), 8031 (4), 9139, 9142, 9143, 9384, 9385, 9440, 9441   |
| 10262                               | $D_{12}$  | 12    | 9979200 | 10666, 10637, 10636, 10689 (3) | 4923 (2), 4924 (2), 4926 (2), 4932 (2), 7270 (2), 7272, 7491 (2), 7909 (2), 8014, 8031 (2), 9138, 9149, 9371   |
| 10263                               | $D_{12}$  | 12    | 2494800 | 10634, 10647, 10640, 10693 (3) | 4925 (4), 4968, 7115 (4), 7273 (2), 7280, 7397 (4), 7925 (4), 7926 (4), 7966, 9139, 9140, 9141, 9151, 9152, 9155, 9158, 9160, 9162, 9164, 9166, 9169, 9173, 9175, 9182 |
| 10264                               | $D_{12}$  | 12    | 2494800 | 10634, 10669, 10646, 10680 (3) | 4927 (4), 7803, 8073, 9115 (2), 9141, 9142 (2), 9405, 9457, 9479 (2), 9483 (2)   |
| 10265                               | $D_{12}$  | 12    | 2494800 | 10634, 10667, 10668, 10694 (3) | 4928 (4), 7802, 8075, 9141, 9143 (2), 9401 (2), 9404, 9456, 9478 (2), 9484 (2)   |
| 10266                               | $D_{12}$  | 12    | 4989600 | 10643, 10657, 10634, 10690 (3) | 4929 (2), 4930 (2), 7799, 8068, 9140, 9142, 9143, 9409, 9458, 9462, 9463   |
| 10267                               | $D_{12}$  | 12    | 83160   | 10655, 10639 (2), 10695 (3)    | 4931 (2), 7114 (6), 7275 (5), 7922 (10), 7923 (10), 9144 (10), 9145, 9146 (10), 9147 (15), 9148 (15), 9186 (15), 9188 (15), 9191 (10), 9206 (10), 9301, 9318           |

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| Nr.                                 | Structure | Order | Length | Maximal Subgroups              | Minimal Overgroups  |
| 10268                               | $D_{12}$  | 12    | 831600 | 10639, 10649, 10644, 10685 (3) | 4951, 5784 (8), 7121 (6), 7284, 7927 (4), 7942 (4), 7952 (3), 8050, 9147 (3), 9154, 9171 (6), 9178 (6), 9183 (3)  |
| 10269                               | $D_{12}$  | 12    | 831600 | 10639, 10652, 10650, 10684 (3) | 4952, 5785 (8), 7122 (6), 7287, 7928 (4), 7945 (4), 7953 (3), 8053, 9148 (3), 9154, 9172 (6), 9178 (6), 9180 (3)  |
| 10270                               | $D_{12}$  | 12    | 7920   | 10639, 10648, 10654, 10682 (3) | 4953, 5786 (120), 7120 (126), 7276 (7), 7929 (140), 7936 (35), 7974 (7), 9145 (21), 9154 (105), 9165 (105)  |
| 10271                               | $D_{12}$  | 12    | 831600 | 10641, 10663, 10640, 10699 (3) | 4958, 7274, 7497 (2), 7895, 7931 (4), 7932 (4), 9155 (6), 9156, 9157 (6), 9158 (3), 9159 (3)  |
| 10272                               | $D_{12}$  | 12    | 55440  | 10642, 10658, 10640, 10697 (3) | 4964, 7119 (36), 7277, 7935 (20), 7943 (20), 7976, 9156 (15), 9164 (45), 9176 (15)  |
| 10273                               | $D_{12}$  | 12    | 166320 | 10654, 10656, 10639, 10692 (3) | 4965, 7123 (6), 7279 (5), 7934 (5), 7939 (10), 7979 (5), 9145, 9146 (10), 9163 (10), 9180 (15), 9183 (15)   |
| 10274                               | $D_{12}$  | 12    | 831600 | 10646, 10667, 10640, 10692 (3) | 4966, 7278, 7396 (8), 7407 (12), 7933 (4), 7940 (4), 7979, 9141 (3), 9156, 9157 (6), 9162 (6), 9184 (3)   |
| 10275                               | $D_{12}$  | 12    | 831600 | 10639, 10649, 10655, 10693 (3) | 4967, 7116 (6), 7281 (3), 7924 (6), 7925 (12), 7951, 7966 (3), 9144, 9147 (3), 9150 (3), 9153 (3), 9161, 9163, 9165, 9167, 9168, 9170, 9171 (3), 9172 (3), 9174 (3), 9180 (3), 9181 (3) |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10276                               | $D_{12}$  | 12    | 2494800 | 10643, 10657, 10640, 10687 (3) | 4969, 7118 (4), 7283, 7406 (4), 7901, 7937 (4), 7948 (4), 9140 (2), 9157 (2), 9159, 9164, 9177 (2), 9182 (2), 9184   |
| 10277                               | $D_{12}$  | 12    | 831600  | 10650, 10656, 10639, 10696 (3) | 4970, 7117 (6), 7282 (3), 7938 (6), 7947 (12), 7954, 7973 (3), 9146 (2), 9148 (3), 9165, 9170 (2), 9178 (6), 9181 (6), 9183 (3)  |
| 10278                               | $D_{12}$  | 12    | 831600  | 10665, 10664, 10640, 10704 (3) | 4976, 7285, 7405 (6), 7897, 7941 (4), 7946 (4), 9139 (6), 9158 (3), 9176, 9177 (6), 9184 (3)   |
| 10279                               | $D_{12}$  | 12    | 831600  | 10640, 10669, 10668, 10684 (3) | 4977, 7286, 7944 (4), 7949 (4), 8053, 9141 (3), 9159 (3), 9173 (6), 9176, 9177 (6)   |
| 10280                               | $D_{12}$  | 12    | 6652800 | 10638, 10651, 10662, 10702 (3) | 4980 (3), 7259, 7288 (3), 7582 (3), 7982, 7997, 8028, 8047, 9179 (3)   |
| 10281                               | $D_{12}$  | 12    | 6652800 | 10661, 10653, 10638, 10680 (3) | 4981 (3), 7260 (3), 7289 (3), 7572, 7892 (2), 7981, 7991, 8036, 8048, 9179 (3)   |
| 10282                               | $Q_{12}$  | 12    | 1247400 | 10655, 10672 (3)               | 5045 (4), 7139 (2), 7162 (2), 7364, 7956 (2), 9150 (2), 9186, 9189, 9190, 9208 (2), 9213 (2), 9214 (2), 9268, 9290 (2), 9293, 9299 (2), 9303, 9321, 9511 (2), 9515 (2) |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups   |
| 10283                               | 12        | 12    | 1247400 | 10655, 10675      | 5048 (4), 7141 (2), 7165 (2), 7365, 7957 (2), 9153 (2), 9187, 9188, 9189, 9196 (2), 9218 (2), 9223 (2), 9269, 9295, 9298 (2), 9299 (2), 9305, 9317, 9513 (2), 9514 (2) |
| 10284                               | 12        | 12    | 831600  | 10655, 10677      | 5050 (2), 7129 (6), 7370 (3), 7955, 7963 (3), 9150 (3), 9167, 9191, 9192 (3), 9193, 9194, 9195 (3), 9196 (3), 9271 (3), 9272, 9273 (3), 9344, 9368, 9469 (3), 9495 (3) |
| 10285                               | 12        | 12    | 831600  | 10647, 10677      | 5064 (2), 7371 (3), 7955, 9151 (3), 9197, 9198, 9199, 9200 (3), 9201 (3), 9202 (3), 9337, 9343, 9365, 9367, 9406 (3), 9468 (3), 9490 (3), 9496 (3)                     |
| 10286                               | $Q_{12}$  | 12    | 831600  | 10647, 10674 (3)  | 5083 (2), 7376 (3), 7648 (6), 7917, 9152 (3), 9199, 9205, 9207, 9212 (3), 9220 (3), 9226 (3), 9330, 9353, 9357, 9366, 9391 (3), 9398 (3), 9482 (3), 9493 (3)           |
| 10287                               | $Q_{12}$  | 12    | 831600  | 10655, 10675 (3)  | 5084 (2), 7133 (6), 7377 (3), 7957, 7967 (3), 9153 (3), 9168, 9193, 9204, 9206, 9213 (3), 9217 (3), 9222 (3), 9267, 9273 (3), 9292 (3), 9354, 9358, 9474 (3), 9477 (3) |
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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups       | Minimal Overgroups   |
| 10288                               | $Q_{12}$     | 12    | 2494800 | 10647, 10672 (3)        | 5101 (2), 7389, 7956, 9117, 9151, 9209, 9210, 9211, 9212, 9215, 9216, 9407, 9446, 9447, 9489, 9491, 9497, 9498                                     |
| 10289                               | 12           | 12    | 2494800 | 10647, 10674            | 5110 (2), 7390, 7649 (2), 7917, 9152, 9202, 9211, 9219, 9221, 9224, 9225, 9331, 9380, 9390, 9399, 9451, 9481, 9492, 9494                           |
| 10290                               | $Q_{12}$     | 12    | 3326400 | 10666, 10673 (3)        | 5145, 7412 (6), 7526 (3), 7919, 9149 (3), 9229 (3), 9230   |
| 10291                               | 12           | 12    | 9979200 | 10666, 10673            | 5146, 7565, 7919, 9111, 9149, 9231   |
| 10292                               | 12           | 12    | 1247400 | 10644, 10678            | 5149 (4), 7163 (4), 7813, 9227, 9232 (2), 9233 (2), 9234, 9235, 9236 (2), 9237 (2), 9296, 9320, 9418, 9438 (2), 9502, 9503 (2), 9505 (2), 9506 (2) |
| 10293                               | $Q_{12}$     | 12    | 1247400 | 10644, 10679 (3)        | 5150 (4), 7166 (4), 7815, 9234, 9235 (2), 9238 (4), 9297, 9320, 9435 (2), 9437 (2), 9505 (2), 9508 (2), 9509 (2)                                   |
| 10294                               | $2 \times 6$ | 12    | 2494800 | 10641 (2), 10647, 10685 | 5777 (4), 7519, 7927 (4), 8043, 9113, 9155, 9200, 9209, 9225, 9226, 9239, 9240, 9242, 9324, 9372, 9375, 9376, 9377, 9465                           |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10295                               | $2 \times 6$ | 12    | 831600  | 10642, 10641, 10646, 10686     | 5778 (8), 7595, 7958 (4), 7961 (4), 8056, 9114 (6), 9156, 9239 (6), 9402 (3), 9405 (3)   |
| 10296                               | $2 \times 6$ | 12    | 4989600 | 10643, 10646, 10641, 10680     | 5779 (4), 7362 (2), 7398 (2), 7600, 7907, 7959 (2), 7960 (2), 8036 (4), 9115, 9157, 9239, 9325, 9329, 9377, 9386                             |
| 10297                               | $2 \times 6$ | 12    | 2494800 | 10643, 10647, 10642, 10684     | 5780 (4), 7125 (4), 7441, 7928 (4), 7949 (4), 7971, 9116, 9164, 9202, 9212, 9239, 9241, 9243, 9283, 9402, 9414, 9416, 9417, 9433, 9463, 9473 |
| 10298                               | 12           | 12    | 2494800 | 10647, 10672                   | 5781 (4), 7124 (4), 7439, 7970, 9117, 9166, 9240, 9243, 9244, 9282, 9406, 9426, 9461, 9467, 9470, 9492, 9493, 9500, 9501                     |
| 10299                               | $2 \times 6$ | 12    | 2494800 | 10643 (2), 10647, 10687        | 5782 (4), 7800, 8078, 9118, 9140, 9241, 9242, 9244, 9410, 9451, 9462, 9464, 9466, 9482, 9486, 9488, 9496, 9498                               |
| 10300                               | $D_{12}$     | 12    | 207900  | 10652, 10648, 10644, 10680 (3) | 5783 (32), 7159 (12), 7774, 7960 (16), 7981 (32), 7989 (16), 8051 (4), 9154 (4), 9234 (6), 9294 (3), 9315 (12), 9411 (12), 9439 (6)          |

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| Nr.                                 | Structure    | Order | Length | Maximal Subgroups       | Minimal Overgroups  |
| 10301                               | $2 \times 6$ | 12    | 277200 | 10647 (3), 10681        | 5787 (12), 7427 (3), 7605 (4), 7606 (6), 7962, 7999, 8009 (2), 9160 (3), 9240 (9), 9241 (3), 9250 (3), 9326, 9327 (3), 9339 (3), 9340, 9343 (3), 9353 (3), 9356, 9380 (9), 9381 (9), 9446 (9), 9449 (3) |
| 10302                               | $2 \times 6$ | 12    | 831600 | 10647, 10646 (2), 10682 | 5788 (12), 7429 (3), 7618 (4), 7619 (6), 7929 (4), 8003, 9162 (3), 9198, 9205, 9216 (3), 9219 (3), 9239 (3), 9244 (3), 9250, 9328, 9329 (3), 9334, 9342, 9359, 9397 (3), 9483 (3)                       |
| 10303                               | 12           | 12    | 831600 | 10647, 10683            | 5789 (12), 7126 (4), 7435 (3), 7457 (4), 7656 (6), 7969, 9169 (3), 9242 (3), 9243 (3), 9250, 9281, 9330, 9331 (3), 9341, 9352, 9362, 9365, 9395 (3), 9396 (3), 9475 (3), 9491 (3)                       |
| 10304                               | $A_4$        | 12    | 554400 | 10681, 10715 (4)        | 5790 (12), 7602 (6), 7603 (4), 7771 (3), 7962, 8000 (2), 8009, 9254 (3), 9332 (3), 9379 (3), 9382 (9), 9419 (3), 9423, 9445 (9)   |
| 10305                               | $A_4$        | 12    | 495    | 10681, 10714 (4)        | 5791 (960), 7127 (8), 7143 (336), 7962 (560), 7965 (56), 9135 (28), 9251, 9252 (420), 9253 (420), 9275 (28), 9277 (210), 9280 (210), 9516 (105), 9517 (105)   |
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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups              | Minimal Overgroups  |
| 10306                               | $D_{12}$     | 12    | 277200  | 10650, 10649, 10648, 10686 (3) | 5792 (24), 7145 (18), 7403 (3), 7958 (4), 7975 (9), 7983 (8), 7985 (24), 7990 (4), 8016 (36), 8052, 9154 (3), 9165 (3), 9312 (9), 9346 (6), 9411 (18) |
| 10307                               | $D_{12}$     | 12    | 831600  | 10652, 10654, 10649, 10680 (3) | 5793 (8), 7155 (6), 7775, 7959 (4), 7991 (4), 8051, 8073 (3), 9154, 9180 (3), 9311 (3), 9412 (6), 9434 (6)  |
| 10308                               | $2 \times 6$ | 12    | 6652800 | 10645, 10653, 10651, 10686     | 5794 (2), 7262, 7536, 7537 (3), 7961, 7983, 8037, 8065 (3), 9179 (3)  |
| 10309                               | $2 \times 6$ | 12    | 831600  | 10644, 10654, 10650, 10686     | 5795 (8), 7157 (6), 7776, 7961 (4), 7992 (4), 8052, 8076 (3), 9154, 9183 (3), 9291 (3), 9413 (6), 9434 (6)  |
| 10310                               | $A_4$        | 12    | 415800  | 10705, 10713 (4)               | 7109 (12), 7772, 8010 (4), 9132 (3), 9246, 9249, 9255 (3), 9256 (3), 9259, 9261 (6), 9262 (6), 9263 (6), 9264 (6), 9444 (3)                           |
| 10311                               | $A_4$        | 12    | 4989600 | 10701, 10715 (4)               | 7110 (4), 7113 (2), 7771, 9134, 9137, 9288, 9289, 9392, 9421, 9430  |
| 10312                               | $A_4$        | 12    | 2494800 | 10706, 10716 (4)               | 7111 (4), 7773, 7782, 7812, 9133, 9257 (2), 9258 (2), 9260, 9373, 9428 (2), 9431 (2)  |
| 10313                               | $Q_{12}$     | 12    | 83160   | 10655, 10677 (3)               | 7128 (10), 7161 (6), 7413 (5), 7963 (10), 9167 (10), 9266, 9267 (10), 9268 (15), 9269 (15), 9301, 9313 (15), 9322, 9323 (15), 9347 (10), 9369 (10)    |

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| Nr.                                 | Structure    | Order | Length | Maximal Subgroups                 | Minimal Overgroups   |
| 10314                               | $A_4$        | 12    | 13860  | 10695, 10713 (4)                  | 7130 (2), 7142 (36),<br>7964 (20), 7972 (20),<br>9136, 9270 (15),<br>9274, 9276 (15),<br>9278 (45), 9279 (45),<br>9284 (15), 9285 (15),<br>9308 (45), 9309 (45),<br>9310, 9442 (15),<br>9518 (15), 9519 (15),<br>9520 (15) |
| 10315                               | $D_{12}$     | 12    | 83160  | 10656, 10648, 10655,<br>10692 (3) | 7131 (10), 7154 (6),<br>7432 (5), 7933 (40),<br>7934 (10), 7968 (10),<br>9145, 9165 (10), 9189<br>(15), 9193 (10), 9266,<br>9294 (15), 9307, 9312<br>(15), 9315 (15), 9346<br>(10), 9350 (10)                              |
| 10316                               | 12           | 12    | 83160  | 10655, 10683                      | 7132 (10), 7164 (6),<br>7434 (5), 7969 (10),<br>9168 (10), 9266, 9272<br>(10), 9293 (15), 9295<br>(15), 9306, 9316 (15),<br>9318, 9319 (15), 9351<br>(10), 9361 (10)   |
| 10317                               | $2 \times 6$ | 12    | 831600 | 10650, 10654, 10655,<br>10692     | 7134 (6), 7438 (3),<br>7939 (6), 7940 (12),<br>7968 (3), 8072, 9146,<br>9165, 9180 (3), 9196<br>(3), 9213 (3), 9267,<br>9272, 9291 (3), 9355,<br>9360, 9363, 9412 (3),<br>9413 (3), 9424 (3),<br>9454 (3)                  |
| 10318                               | $Q_{12}$     | 12    | 831600 | 10647, 10672 (3)                  | 7135 (4), 7433 (3),<br>7970, 9166 (3), 9281,<br>9283 (3), 9324 (3),<br>9337, 9339, 9342,<br>9348, 9366, 9370,<br>9407 (3), 9466 (3),<br>9471 (3), 9494 (3),<br>9499 (3)  |
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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                 | Minimal Overgroups  |
| 10319                               | $D_{12}$     | 12    | 831600  | 10657, 10647, 10658,<br>10684 (3) | 7136 (4), 7431 (3),<br>7944 (4), 7945 (4),<br>7971, 9164 (3), 9199,<br>9211 (3), 9281, 9282<br>(3), 9334, 9336,<br>9340, 9345, 9349,<br>9375 (3), 9403 (3),<br>9415 (3), 9462 (3),<br>9472 (3)  |
| 10320                               | $Q_{12}$     | 12    | 2494800 | 10647, 10675 (3)                  | 7137 (4), 7440, 7454<br>(4), 7650 (2), 7967,<br>9169, 9282, 9283,<br>9381, 9390, 9391,<br>9393, 9394, 9397,<br>9429, 9464, 9465,<br>9476, 9489, 9490  |
| 10321                               | $2 \times 6$ | 12    | 623700  | 10655 (2), 10644,<br>10693        | 7138 (4), 7794, 7951<br>(4), 9147 (2), 9268<br>(2), 9271 (2), 9286<br>(2), 9290 (2), 9291<br>(2), 9292 (2), 9294,<br>9295 (2), 9296, 9297,<br>9298 (2), 9300 (2),<br>9438 (4), 9443, 9453<br>(2), 9455, 9460 (2),<br>9504, 9509 (4), 9510 |
| 10322                               | $D_{12}$     | 12    | 1247400 | 10652, 10656, 10655,<br>10684 (3) | 7140 (2), 7152 (2),<br>7797, 7953 (2), 8070<br>(2), 9148, 9180 (2),<br>9269, 9273 (2), 9293,<br>9294, 9299 (2), 9300<br>(2), 9304, 9311,<br>9314, 9448 (2), 9459<br>(2), 9480 (2), 9512<br>(2)  |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10323                               | $D_{12}$     | 12    | 831600  | 10649, 10656, 10654, 10686 (3) | 7144 (6), 7479 (3), 7975 (3), 8002 (6), 8015 (12), 8076, 9163 (2), 9165, 9183 (3), 9311 (3), 9363 (2), 9434 (6), 9454 (6)  |
| 10324                               | $D_{12}$     | 12    | 2494800 | 10643, 10658, 10634, 10698 (3) | 7146 (4), 7485, 7978, 8017 (4), 8019 (4), 8033 (8), 8034 (8), 9164, 9325 (2), 9404, 9440 (2), 9457, 9462 (2), 9472 (2)   |
| 10325                               | $D_{12}$     | 12    | 2494800 | 10657, 10642, 10634, 10698 (3) | 7147 (4), 7486, 7978, 8018 (4), 8020 (4), 9114 (2), 9164, 9405, 9441 (2), 9456, 9463 (2), 9473 (2)   |
| 10326                               | $2 \times 6$ | 12    | 27720   | 10655 (3), 10681               | 7148 (6), 7428 (5), 7965, 7999 (10), 8000 (20), 9161 (10), 9286 (15), 9301 (3), 9303 (45), 9304 (15), 9305 (45), 9306 (3), 9307, 9344 (30), 9354 (30), 9355 (10) |
| 10327                               | $A_4$        | 12    | 55440   | 10681, 10713 (4)               | 7149 (6), 7772 (5), 7965, 8000 (10), 8009 (20), 9245 (3), 9287 (15), 9302 (45), 9422 (30), 9425 (10)   |
| 10328                               | $D_{12}$     | 12    | 1247400 | 10649 (2), 10655, 10685 (3)    | 7150 (2), 7793, 7952 (2), 8069 (2), 9147, 9174 (2), 9303, 9311, 9312, 9313, 9317, 9319, 9453 (2), 9454 (2), 9459 (2), 9469 (2), 9474 (2), 9511 (2), 9514 (2)     |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10329                               | $2 \times 6$ | 12    | 1247400 | 10650 (2), 10655, 10696        | 7151 (2), 7796, 7954 (2), 8071 (2), 9148, 9181 (2), 9291, 9305, 9312, 9316, 9321, 9323, 9424 (2), 9459 (2), 9460 (2), 9477 (2), 9495 (2), 9513 (2), 9515 (2) |
| 10330                               | $2 \times 6$ | 12    | 83160   | 10655, 10654 (2), 10682        | 7153 (6), 7430 (5), 7936 (10), 8003 (10), 9145, 9163 (10), 9187 (15), 9190 (15), 9194 (10), 9204 (10), 9291 (15), 9306, 9311 (15), 9322, 9360 (10)           |
| 10331                               | $D_{12}$     | 12    | 2494800 | 10649, 10650, 10656, 10694 (3) | 7156 (2), 7805, 8074 (2), 8075, 8077, 9180, 9181 (2), 9183, 9312, 9454 (2), 9480 (2), 9485 (2)   |
| 10332                               | $D_{12}$     | 12    | 623700  | 10656 (2), 10644, 10694 (3)    | 7158 (4), 7811, 8077 (4), 9183 (4), 9294, 9314 (4), 9320 (2), 9437 (4), 9455 (2), 9485 (4), 9506 (4), 9507 (2)   |
| 10333                               | $2 \times 6$ | 12    | 1247400 | 10644 (2), 10655, 10699        | 7160 (2), 7766, 7932 (8), 8040 (2), 9171 (2), 9186, 9187, 9192 (2), 9217 (2), 9286, 9313, 9314, 9315, 9316, 9413 (2), 9504 (2), 9511 (2), 9512 (2), 9513 (2) |
| 10334                               | $D_{12}$     | 12    | 1247400 | 10652 (2), 10655, 10687 (3)    | 7167 (2), 7767, 7937 (8), 8041 (2), 9172 (2), 9188, 9190, 9195 (2), 9222 (2), 9300, 9304, 9315, 9319, 9323, 9412 (2), 9510 (2), 9512 (2), 9514 (2), 9515 (2) |

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| Nr.                                 | Structure | Order | Length   | Maximal Subgroups              | Minimal Overgroups   |
| 10335                               | $D_{12}$  | 12    | 83160    | 10656 (2), 10655, 10697 (3)    | 7168 (6), 7437 (5), 8005 (10), 9170 (10), 9300 (15), 9307, 9314 (15), 9317 (15), 9318, 9321 (15), 9322, 9358 (10), 9363 (10), 9368 (10)            |
| 10336                               | $D_{12}$  | 12    | 2494800  | 10644, 10652, 10656, 10698 (3) | 7169 (2), 7781, 8007 (4), 8008 (4), 8059 (2), 9178 (2), 9300, 9314, 9315, 9434 (2), 9507 (2), 9512 (2)   |
| 10337                               | $D_{12}$  | 12    | 19958400 | 10659, 10660, 10636, 10698 (3) | 7261, 7585, 7631, 7904 (2), 7986 (2), 8018, 8030, 8033, 9371   |
| 10338                               | $D_{12}$  | 12    | 19958400 | 10661, 10645, 10662, 10698 (3) | 7263 (2), 7264, 7529 (2), 7530, 7544, 7904 (2), 7905, 7984, 8008, 8066, 9179   |
| 10339                               | $D_{12}$  | 12    | 6652800  | 10635, 10653, 10662, 10686 (3) | 7265 (3), 7459 (3), 7622 (3), 7985, 8015 (3), 8029, 8065, 9179 (3)   |
| 10340                               | $D_{12}$  | 12    | 19958400 | 10661, 10651, 10635, 10698 (3) | 7266, 7636, 7637, 7986, 8020, 8030 (2), 8034, 8066, 9179   |
| 10341                               | $D_{12}$  | 12    | 831600   | 10641, 10658, 10667, 10702 (3) | 7361 (2), 7597, 7988 (4), 7995 (4), 8028 (8), 8055, 9156, 9325 (6), 9375 (6), 9403 (3), 9404 (3)   |
| 10342                               | $D_{12}$  | 12    | 1663200  | 10657, 10646, 10663, 10680 (3) | 7400 (6), 7422 (3), 7907, 7989 (2), 7991 (2), 9114 (3), 9115 (3), 9157 (3), 9328, 9334, 9335, 9387 (3)   |
| 10343                               | $D_{12}$  | 12    | 831600   | 10663, 10664, 10647, 10707 (3) | 7401 (6), 7423 (3), 7914, 9113 (3), 9116 (3), 9117 (3), 9118 (3), 9158 (3), 9326, 9328, 9330, 9333, 9336, 9337, 9338, 9385 (3), 9388 (3), 9390 (3) |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10344                               | $2 \times 6$ | 12    | 2494800 | 10665, 10641, 10647, 10707     | 7402 (2), 7710, 7711 (2), 7914, 9158, 9327, 9329, 9331, 9372, 9384, 9389, 9391, 9400, 9402, 9403, 9406, 9407, 9408, 9410                           |
| 10345                               | $2 \times 6$ | 12    | 2494800 | 10665, 10646, 10643, 10691     | 7408 (4), 7809, 7902, 9142 (2), 9184, 9329 (2), 9387 (2), 9402, 9457, 9488 (2)   |
| 10346                               | $D_{12}$     | 12    | 831600  | 10664, 10646, 10657, 10691 (3) | 7409 (12), 7480 (3), 7902, 9142 (6), 9184 (3), 9328 (2), 9336, 9364 (2), 9386 (6), 9405 (3)  |
| 10347                               | $D_{12}$     | 12    | 2494800 | 10643, 10664, 10667, 10708 (3) | 7410 (4), 7808, 7903, 9116, 9143 (2), 9184, 9386 (2), 9388 (2), 9404, 9486 (2)   |
| 10348                               | $D_{12}$     | 12    | 2494800 | 10657, 10665, 10667, 10708 (3) | 7411 (4), 7810, 7903, 9143 (2), 9184, 9387 (2), 9389 (2), 9403, 9456, 9487 (2)   |
| 10349                               | $D_{12}$     | 12    | 831600  | 10647, 10663 (2), 10685 (3)    | 7420 (3), 7942 (4), 8043, 9155 (3), 9197, 9207, 9210 (3), 9224 (3), 9333, 9334, 9335, 9339, 9341, 9400 (3), 9417 (3), 9452 (3), 9461 (3), 9464 (3) |
| 10350                               | $D_{12}$     | 12    | 277200  | 10658, 10663, 10646, 10686 (3) | 7421 (3), 7990 (4), 7992 (4), 8037 (8), 8056, 9156 (3), 9325 (18), 9334 (6), 9336 (3), 9457 (9)  |
| 10351                               | $D_{12}$     | 12    | 831600  | 10657, 10668, 10663, 10709 (3) | 7424 (3), 8079, 9159 (3), 9335 (2), 9336, 9338 (2), 9401 (6), 9456 (3), 9458 (6)   |

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| Nr.                                 | Structure    | Order | Length | Maximal Subgroups           | Minimal Overgroups   |
| 10352                               | $D_{12}$     | 12    | 831600 | 10657 (2), 10647, 10687 (3) | 7436 (3), 8078, 9140 (3), 9338, 9340, 9341, 9342, 9357, 9364, 9367, 9408 (3), 9463 (3), 9465 (3), 9467 (3), 9481 (3), 9487 (3), 9497 (3)                     |
| 10353                               | $D_{12}$     | 12    | 831600 | 10664 (2), 10647, 10704 (3) | 7444 (3), 7644 (6), 7915, 7941 (4), 9139 (3), 9197, 9205, 9209 (3), 9221 (3), 9326, 9345, 9348, 9362, 9364, 9384 (3), 9394 (3), 9416 (3), 9470 (3), 9486 (3) |
| 10354                               | $D_{12}$     | 12    | 831600 | 10649 (2), 10655, 10699 (3) | 7445 (3), 7931 (4), 8001 (3), 8040, 9161, 9171 (3), 9191, 9204, 9208 (3), 9218 (3), 9346, 9347, 9361, 9363, 9412 (3), 9453 (3), 9469 (3), 9477 (3), 9480 (3) |
| 10355                               | $2 \times 6$ | 12    | 831600 | 10650 (2), 10655, 10697     | 7446 (3), 7935 (4), 8005 (3), 8042, 9170, 9172 (3), 9194, 9206, 9214 (3), 9223 (3), 9346, 9351, 9355, 9369, 9413 (3), 9460 (3), 9474 (3), 9480 (3), 9495 (3) |
| 10356                               | $2 \times 6$ | 12    | 831600 | 10668 (2), 10647, 10697     | 7447 (3), 7943 (4), 8042, 9173 (3), 9198, 9207, 9215 (3), 9225 (3), 9338, 9345, 9352, 9356, 9370, 9410 (3), 9414 (3), 9476 (3), 9478 (3), 9500 (3)           |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10357                               | $2 \times 6$ | 12    | 277200  | 10655 (3), 10695               | 7448 (3), 7893 (2), 7923 (9), 7964, 8045, 9144, 9174 (3), 9192 (9), 9208 (9), 9222 (9), 9223 (9), 9344 (3), 9347 (3), 9350, 9351 (3), 9358 (3), 9360, 9424 (3), 9443 (3), 9448 (3) |
| 10358                               | $2 \times 6$ | 12    | 277200  | 10647 (3), 10695               | 7449 (3), 7972, 8044 (2), 8045, 9175 (3), 9333, 9343 (3), 9348 (3), 9349, 9352 (3), 9357 (3), 9359, 9372 (3), 9426 (9), 9429 (9), 9433 (3), 9447 (9), 9450 (3), 9451 (9)           |
| 10359                               | $D_{12}$     | 12    | 277200  | 10664, 10668, 10658, 10710 (3) | 7450 (3), 7993 (4), 7994 (4), 8038 (8), 8057, 9176 (3), 9336 (3), 9345 (6), 9404 (9), 9440 (18)  |
| 10360                               | $D_{12}$     | 12    | 1663200 | 10657, 10664, 10668, 10708 (3) | 7451 (3), 7996 (2), 7998 (2), 8064, 9143 (3), 9177 (3), 9338, 9345, 9364, 9409 (3), 9441 (3)   |
| 10361                               | $D_{12}$     | 12    | 1663200 | 10649, 10650, 10656, 10702 (3) | 7452 (3), 7995 (2), 7997 (2), 8006 (3), 8060, 9170, 9178 (3), 9346, 9363, 9434 (3), 9459 (3), 9485 (3)   |
| 10362                               | $2 \times 6$ | 12    | 831600  | 10646, 10668, 10647, 10692     | 7476 (3), 8072, 9141 (3), 9335, 9336, 9356, 9359, 9364, 9365, 9366, 9377 (3), 9402 (3), 9479 (3), 9484 (3), 9488 (3), 9489 (3), 9492 (3)   |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10363                               | $D_{12}$     | 12    | 831600  | 10656 (2), 10655, 10696 (3)    | 7477 (3), 7938 (6), 8004 (3), 8071, 9146, 9163, 9181 (3), 9195 (3), 9214 (3), 9217 (3), 9218 (3), 9350, 9354, 9361, 9368, 9369, 9448 (3), 9454 (3), 9455 (3) |
| 10364                               | $D_{12}$     | 12    | 831600  | 10657 (2), 10647, 10711 (3)    | 7478 (3), 7646 (6), 7916, 9182 (3), 9328, 9335, 9349, 9353, 9362, 9367, 9370, 9376 (3), 9389 (3), 9393 (3), 9399 (3), 9473 (3), 9498 (3), 9501 (3)           |
| 10365                               | $2 \times 6$ | 12    | 3326400 | 10666 (3), 10700               | 7520 (3), 7521 (2), 7894, 7918 (3), 9138, 9229 (3), 9231 (3)   |
| 10366                               | $2 \times 6$ | 12    | 3326400 | 10666, 10660 (2), 10710        | 7523 (3), 7524 (2), 8022, 8038 (2), 9230, 9231 (3), 9371 (3)   |
| 10367                               | $D_{12}$     | 12    | 9979200 | 10659 (2), 10666, 10688 (3)    | 7562, 7563 (2), 7564 (2), 8024, 8035 (2), 9111, 9229, 9371   |
| 10368                               | $D_{12}$     | 12    | 6652800 | 10637, 10660, 10659, 10708 (3) | 7578 (3), 7579, 7580 (3), 7998, 8027, 8039, 9371 (3)   |
| 10369                               | $D_{12}$     | 12    | 4989600 | 10643, 10663, 10667, 10698 (3) | 7586 (2), 7785, 7905 (4), 7906, 8007 (2), 8011 (2), 9157, 9325, 9387, 9388, 9401, 9417, 9452   |
| 10370                               | $D_{12}$     | 12    | 4989600 | 10657, 10641, 10667, 10698 (3) | 7588 (2), 7599, 7906, 8008 (2), 8012 (2), 9114, 9157, 9375, 9376, 9386, 9389, 9401   |
| 10371                               | $A_4$        | 12    | 3326400 | 10705, 10715 (4)               | 7602, 7603, 7604 (3), 8010, 9248, 9378 (3), 9383 (3)   |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10372                               | $D_{12}$     | 12    | 2494800 | 10664, 10641, 10634, 10712 (3) | 7608 (2), 7709, 7913, 9113 (2), 9158, 9384 (2), 9386 (2), 9404, 9405, 9409 (2)   |
| 10373                               | $D_{12}$     | 12    | 2494800 | 10665, 10663, 10634, 10712 (3) | 7609 (2), 7792, 7913, 9158, 9385 (2), 9387 (2), 9400 (2), 9456, 9457, 9458 (2)   |
| 10374                               | $D_{12}$     | 12    | 2494800 | 10667 (2), 10647, 10696 (3)    | 7615 (4), 7616 (2), 7769, 7947 (4), 8004, 9162, 9201, 9215, 9220, 9221, 9375, 9381, 9388, 9389, 9396, 9417, 9450, 9466, 9467, 9484 |
| 10375                               | $D_{12}$     | 12    | 4989600 | 10634, 10667, 10646, 10686 (3) | 7626 (4), 7627 (2), 7787, 8002, 8015 (2), 8016 (2), 8029 (4), 9114, 9162, 9325, 9386, 9387, 9483, 9484                             |
| 10376                               | $2 \times 6$ | 12    | 2494800 | 10665 (2), 10647, 10704        | 7645 (2), 7768, 7915, 7946 (4), 9139, 9200, 9210, 9219, 9220, 9327, 9385, 9393, 9395, 9414, 9415, 9426, 9471, 9487, 9488           |
| 10377                               | $2 \times 6$ | 12    | 2494800 | 10643 (2), 10647, 10711        | 7647 (2), 7806, 7916, 9182, 9329, 9377, 9380, 9388, 9394, 9395, 9398, 9433, 9452, 9472, 9496, 9497, 9499, 9500                     |
| 10378                               | $D_{12}$     | 12    | 2494800 | 10634 (2), 10647, 10699 (3)    | 7651 (4), 7652 (2), 7798, 8001, 9160, 9324, 9384, 9385, 9396, 9397, 9398, 9399, 9447, 9461, 9462, 9463, 9468, 9478, 9479           |

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|-------------------------------------|--------------|-------|---------|--------------------------------|--|
| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10379                               | $D_{12}$     | 12    | 4989600 | 10643, 10657, 10634, 10703 (3) | 7657 (2), 7807, 7920, 9115, 9182, 9386, 9387, 9401, 9472, 9473   |
| 10380                               | $2 \times 6$ | 12    | 2494800 | 10668, 10643, 10641, 10709     | 7659, 8079, 9159, 9377 (2), 9401 (2), 9402, 9404, 9409 (2), 9410 (2)   |
| 10381                               | $D_{12}$     | 12    | 2494800 | 10657, 10641, 10669, 10703 (3) | 7660, 7661 (2), 8080, 9115 (2), 9159, 9376 (2), 9403, 9405, 9408 (2), 9409 (2)                                 |
| 10382                               | $D_{12}$     | 12    | 2494800 | 10644, 10649 (2), 10701 (3)    | 7764, 7890 (4), 7980 (8), 7987 (4), 8058 (2), 9171 (2), 9232 (2), 9238 (2), 9411, 9434 (2), 9453, 9485         |
| 10383                               | $2 \times 6$ | 12    | 2494800 | 10650 (2), 10644, 10702        | 7765, 7891 (4), 7982 (8), 7988 (4), 8060 (2), 9178 (2), 9236 (2), 9238 (2), 9411, 9413 (2), 9460, 9485         |
| 10384                               | $D_{12}$     | 12    | 2494800 | 10669 (2), 10647, 10687 (3)    | 7770, 7948 (4), 8041, 9118, 9173, 9201, 9216, 9224, 9226, 9408, 9415, 9416, 9429, 9449, 9475, 9479, 9499, 9501 |
| 10385                               | $2 \times 6$ | 12    | 831600  | 10668, 10665, 10642, 10710     | 7777, 7994 (4), 8022 (4), 8057, 9176, 9402 (3), 9414 (6), 9441 (6), 9456 (3)                                   |
| 10386                               | $D_{12}$     | 12    | 831600  | 10658, 10665, 10669, 10708 (3) | 7778, 7996 (4), 8021 (4), 8027 (8), 8054, 9176, 9403 (3), 9415 (6), 9440 (6), 9457 (3)                         |
| 10387                               | $D_{12}$     | 12    | 831600  | 10664, 10642, 10669, 10708 (3) | 7779, 7998 (4), 8023 (4), 8054, 9116 (3), 9176, 9405 (3), 9416 (6), 9441 (6)                                   |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10388                               | $2 \times 6$ | 12    | 415800  | 10644 (3), 10705               | 7783, 8010 (4), 9247, 9418 (6), 9435 (6), 9436, 9437 (6), 9438 (6), 9439, 9503 (3), 9504 (3), 9507 (3), 9508 (3)       |
| 10389                               | $D_{12}$     | 12    | 4989600 | 10652, 10650, 10649, 10698 (3) | 7784, 7984 (4), 7986 (4), 8011 (2), 8012 (2), 8019 (2), 8020 (2), 8059, 8061, 9172, 9178, 9411, 9412, 9434, 9459, 9480 |
| 10390                               | $D_{12}$     | 12    | 4989600 | 10634, 10669, 10668, 10698 (3) | 7788, 8017 (2), 8018 (2), 8030 (4), 8061, 9173, 9409, 9440, 9441, 9458, 9478, 9479                                     |
| 10391                               | $2 \times 6$ | 12    | 4989600 | 10668, 10665, 10643, 10708     | 7789, 8021 (2), 8023 (2), 8039 (4), 8064, 9143, 9177, 9410, 9414, 9440, 9458, 9488                                     |
| 10392                               | $D_{12}$     | 12    | 4989600 | 10657, 10665, 10669, 10688 (3) | 7790, 8024 (2), 8025 (2), 8063, 9142, 9177, 9408, 9415, 9441, 9458, 9487   |
| 10393                               | $D_{12}$     | 12    | 4989600 | 10664, 10643, 10669, 10688 (3) | 7791, 8025 (2), 8026 (2), 8035 (4), 8063, 9118, 9142, 9177, 9409, 9416, 9440, 9486                                     |
| 10394                               | $D_{12}$     | 12    | 2494800 | 10647, 10634 (2), 10685 (3)    | 7801, 8069, 9113, 9175, 9400, 9446, 9468, 9470, 9471, 9472, 9473, 9475, 9476, 9481, 9482, 9483, 9484                   |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups              | Minimal Overgroups  |
| 10395                               | $D_{12}$  | 12    | 2494800 | 10667, 10669, 10647, 10684 (3) | 7804, 8070, 9116, 9141, 9376, 9403, 9449, 9450, 9452, 9478, 9483, 9486, 9487, 9490, 9491, 9493, 9494                                      |
| 10396                               | $D_{12}$  | 12    | 1247400 | 10652 (2), 10644, 10690 (3)    | 7814, 9435 (2), 9436 (2), 9439, 9502 (2), 9505 (2), 9506 (2), 9507, 9509 (2), 9510, 9512 (4)  |
| 10397                               | 11        | 11    | 4354560 | 10723                          | 7178, 9521  |
| 10398                               | $D_{10}$  | 10    | 5987520 | 10670, 10718 (5)               | 3921, 7109, 7110 (4), 7111 (2), 7113 (2), 7244, 9526, 9527, 9528, 9529, 9530, 9531, 9532  |
| 10399                               | $D_{10}$  | 10    | 1197504 | 10670, 10722 (5)               | 3922 (5), 7112 (10), 7248, 9525 (5), 9528 (5), 9535   |
| 10400                               | 10        | 10    | 5987520 | 10670, 10722                   | 3923, 7248, 9528, 9533, 9534  |
| 10401                               | 10        | 10    | 5987520 | 10670, 10717                   | 3924, 5039 (8), 7249, 9525, 9529, 9534  |
| 10402                               | $D_{10}$  | 10    | 1197504 | 10670, 10717 (5)               | 3925 (5), 7249, 9529 (5), 9533 (5), 9535  |
| 10403                               | $D_{10}$  | 10    | 5987520 | 10670, 10717 (5)               | 3926, 7246, 9525, 9532, 9533  |
| 10404                               | 10        | 10    | 1197504 | 10670, 10719                   | 3927 (5), 7247, 9532 (5), 9534 (5), 9535  |
| 10405                               | $D_{10}$  | 10    | 4752    | 10671, 10720 (5)               | 6235 (120), 7127, 7130 (7), 7243 (126), 9075 (140), 9076 (35), 9539 (105), 9540 (105), 9541, 9542 (21), 9543 (21), 9544 (105), 9545 (105) |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups       | Minimal Overgroups   |
| 10406                               | $D_{10}$  | 10    | 498960  | 10671, 10717 (5)        | 6236 (8), 7246 (6), 9073 (4), 9078 (4), 9087 (3), 9540, 9548 (3), 9551 (3), 9555 (6), 9561 (6)   |
| 10407                               | 10        | 10    | 498960  | 10671, 10721            | 6237 (8), 7245 (6), 9074 (4), 9079 (4), 9088 (3), 9540, 9549 (3), 9552 (3), 9556 (6), 9561 (6)   |
| 10408                               | 10        | 10    | 498960  | 10671, 10720            | 7243 (6), 9071 (12), 9072 (6), 9085, 9536 (3), 9537 (3), 9544, 9546, 9547, 9548 (3), 9549 (3), 9553 (3), 9554, 9555 (3), 9556 (3), 9557, 9558 (3), 9559, 9562  |
| 10409                               | $D_{10}$  | 10    | 498960  | 10671, 10718 (5)        | 7244 (6), 9081 (6), 9084 (12), 9086, 9538 (6), 9544, 9550 (2), 9551 (3), 9552 (3), 9558 (6), 9560 (2), 9561 (6), 9562 (2)  |
| 10410                               | $D_{10}$  | 10    | 99792   | 10671, 10721 (5)        | 7245 (6), 9077 (5), 9082 (10), 9543, 9548 (15), 9552 (15), 9554 (10), 9560 (10)  |
| 10411                               | 10        | 10    | 99792   | 10671, 10719            | 7247 (6), 9080 (5), 9083 (10), 9543, 9549 (15), 9551 (15), 9557 (10), 9560 (10)  |
| 10412                               | 9         | 9     | 2956800 | 10715                   | 1721 (3), 9098, 9108 (2), 9109, 9563 (3)   |
| 10413                               | $3^2$     | 9     | 369600  | 10714, 10715 (2), 10713 | 7108 (18), 7962 (3), 7964 (3), 8000 (6), 8010 (18), 9100, 9101, 9105 (2), 9573 (3), 9574 (3), 9577 (3), 9578 (9), 9579 (3), 9580 (9), 9581, 9582 (3), 9597 (3), 9598, 9599, 9600 (3), 9606 (3), 9610 (9), 9612 (9) |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups       | Minimal Overgroups   |
| 10414                               | $3^2$     | 9     | 9240    | 10714 (2), 10713 (2)    | 7816 (36), 7965 (12), 9100 (20), 9101 (20), 9565 (30), 9567 (90), 9572 (30), 9575 (30), 9583 (45), 9584, 9585 (45), 9586 (90), 9587 (2), 9588 (2), 9601 (15), 9602 (15), 9630 (30), 9631 (15), 9632 (15) |
| 10415                               | $3^2$     | 9     | 246400  | 10714, 10716 (2), 10715 | 7893 (9), 9101 (3), 9105, 9107 (3), 9109 (6), 9589 (9), 9590 (9), 9591 (9), 9592 (9), 9593, 9594 (9), 9595 (9)   |
| 10416                               | $3^2$     | 9     | 1478400 | 10715, 10716 (3)        | 7894 (9), 9099, 9106 (2), 9107, 9568 (9), 9571 (3), 9596 (3)   |
| 10417                               | $3^2$     | 9     | 184800  | 10713 (2), 10716 (2)    | 7972 (6), 9101 (2), 9104 (2), 9566 (12), 9576 (6), 9603, 9604 (2), 9605 (6), 9607 (6), 9608 (6), 9611 (9), 9613 (9), 9614 (18)   |
| 10418                               | $3^2$     | 9     | 246400  | 10713 (3), 10715        | 8009 (9), 9098 (4), 9099 (2), 9100, 9102 (2), 9103, 9104 (2), 9105, 9569 (9), 9570 (27), 9609 (3), 9616 (9), 9619 (3), 9620 (9), 9621 (3)  |
| 10419                               | $3^2$     | 9     | 739200  | 10713, 10716, 10715 (2) | 8044 (3), 9101, 9104, 9105 (2), 9615 (3), 9617 (3), 9618, 9622 (9), 9623 (3), 9624 (3), 9625 (9)   |
| 10420                               | 9         | 9     | 1478400 | 10715                   | 9102, 9108 (2), 9109, 9564, 9634 (3), 9635 (3)   |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 10421                               | $3^2$     | 9     | 184800  | 10715 (4)           | 9103 (4), 9106 (8), 9107, 9627, 9629 (36), 9633 (3), 9636 (3), 9637 (12)   |
| 10422                               | $3^2$     | 9     | 123200  | 10715 (4)           | 9105 (4), 9106 (12), 9108 (24), 9626 (36), 9628 (9)  |
| 10423                               | $D_8$     | 8     | 1871100 | 10693, 10676, 10689 | 3280 (8), 5849 (8), 5850 (16), 9639 (2), 9647, 9650 (2), 9651 (2), 9663, 9664 (2), 9668 (2), 9825, 9868, 9903 (2), 10052 (2), 10086, 10169 (2), 10228, 10230 |
| 10424                               | $D_8$     | 8     | 3742200 | 10693, 10679, 10690 | 3281 (4), 5851 (4), 9509 (2), 9649, 9650, 9651, 9667, 9668, 9869, 9870, 9922, 9961, 9987, 9989, 10051, 10052, 10229, 10241                                   |
| 10425                               | 8         | 8     | 3742200 | 10678               | 3291 (4), 5963 (4), 9233 (2), 9641, 9643, 9646, 9652, 9653, 9659, 9714, 9717, 9949, 9993, 10009, 10011, 10014, 10021, 10148                                  |
| 10426                               | $D_8$     | 8     | 935550  | 10689 (2), 10678    | 3293 (8), 9643 (4), 9647, 9656 (2), 9657 (2), 9866, 9867 (4), 9868 (2), 10010, 10015 (2), 10019 (2), 10027 (4), 10029 (2), 10054 (4), 10088 (2), 10232 (2)   |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 10427                               | $Q_8$     | 8     | 935550  | 10678, 10676 (2)    | 3294 (8), 9647, 9654 (2), 9658 (2), 9957, 10133 (2), 10148 (4), 10149 (2), 10150 (2), 10155 (4), 10195, 10230 (2), 10231 (2), 10232 (2), 10242 (4), 10243 (4) |
| 10428                               | 8         | 8     | 1871100 | 10678               | 3295 (8), 9645 (2), 9648, 9652 (2), 9653 (2), 9661, 9948, 10016, 10018 (2), 10019, 10022, 10026 (2), 10027 (2), 10150, 10155 (2), 10198 (2)                   |
| 10429                               | $D_8$     | 8     | 1871100 | 10690 (2), 10678    | 3297 (4), 9502 (2), 9644 (2), 9649, 9654, 9657, 9865, 9869 (2), 9949 (2), 9960 (2), 9992, 10014 (2), 10017, 10018 (2), 10047, 10053 (2), 10122 (2)            |
| 10430                               | $Q_8$     | 8     | 1871100 | 10678, 10679 (2)    | 3298 (4), 5967 (8), 9235 (2), 9645 (2), 9649, 9656, 9658, 9695, 9716 (2), 9717 (2), 9988 (2), 9989 (2), 9990, 10011 (2), 10017, 10164, 10225 (2), 10226 (2)   |
| 10431                               | $D_8$     | 8     | 3742200 | 10694, 10690, 10676 | 3299 (4), 6162 (4), 9650, 9654, 9655, 9668, 9743, 9873, 9926, 9935, 10053, 10079, 10117, 10121, 10196, 10236, 10243   |
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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 10432                               | $D_8$     | 8     | 3742200 | 10694, 10689, 10679 | 3300 (4), 6161 (4), 9650, 9655, 9656, 9668, 9741, 9874, 9925, 9933, 10054, 10108, 10121, 10123, 10127, 10225, 10234  |
| 10433                               | $D_8$     | 8     | 3742200 | 10690, 10689, 10679 | 3304 (4), 9651, 9655, 9657, 9872, 9873, 9874, 9939, 10051, 10052, 10054, 10120, 10122, 10127, 10225, 10226   |
| 10434                               | $Q_8$     | 8     | 1871100 | 10679 (2), 10676    | 3306 (8), 9651 (2), 9655 (2), 9658 (2), 10164, 10199, 10234 (2), 10235 (2), 10236 (2), 10240 (4), 10241  |
| 10435                               | $D_8$     | 8     | 1871100 | 10695, 10699, 10672 | 5863 (4), 7882 (4), 9120 (8), 9125 (8), 9186 (2), 9208 (4), 9308, 9447 (4), 9669, 9670, 9671, 9696 (2), 9734 (2), 9745 (2), 9746 (2), 9797, 9812, 9886 (2), 9936 (2), 9966 (2), 9974 (2), 9994, 9999 |
| 10436                               | $D_8$     | 8     | 311850  | 10682, 10699, 10675 | 5864 (4), 7887 (8), 9187 (4), 9204 (8), 9397 (24), 9670 (6), 9672 (3), 9697 (2), 9727 (12), 9755 (6), 9792, 9813 (6), 9888 (12), 9911 (6), 9972 (2), 10145 (3)                                       |
| 10437                               | $D_8$     | 8     | 935550  | 10696, 10699, 10674 | 5867 (4), 9671 (2), 9672, 9674 (2), 9700 (2), 9747 (4), 9753 (2), 9758 (4), 9998, 10041 (2), 10143, 10173 (2), 10181 (2), 10184 (4), 10187 (2), 10209 (4)  |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 10438                               | $D_8$        | 8     | 623700  | 10695, 10704, 10672 | 5868 (6), 9284, 9348 (4), 9420 (8), 9426 (4), 9669 (3), 9675, 9683 (3), 9699 (3), 9737 (6), 9752 (3), 9757 (6), 9828, 9882, 9883 (6), 9886 (6)                            |
| 10439                               | $D_8$        | 8     | 623700  | 10682, 10687, 10672 | 5869 (6), 7177 (16), 7843 (12), 9190 (6), 9216 (12), 9244 (4), 9342 (4), 9670 (3), 9675, 9684 (3), 9705 (3), 9732 (6), 9738 (6), 9755 (3), 9782, 9821 (6), 9888 (6), 9898 |
| 10440                               | $2 \times 4$ | 8     | 623700  | 10672, 10674, 10692 | 5870 (6), 9366 (4), 9492 (4), 9671 (3), 9675, 9685 (3), 9718 (3), 9740 (6), 9753 (3), 9774 (6), 9891 (6), 9897, 9899, 9918 (6)  |
| 10441                               | $D_8$        | 8     | 2494800 | 10710, 10700, 10673 | 5871 (4), 9131 (4), 9230 (4), 9231 (4), 9679 (6), 10100 (3)   |
| 10442                               | $D_8$        | 8     | 155925  | 10682, 10704, 10674 | 5872 (8), 9205 (16), 9219 (16), 9672 (6), 9675 (4), 9681 (12), 9712 (4), 9732 (24), 9893, 9911 (12), 10112 (12)   |
| 10443                               | $D_8$        | 8     | 623700  | 10695, 10687, 10674 | 5874 (6), 9357 (4), 9427 (8), 9451 (4), 9520, 9671 (3), 9675, 9682 (3), 9700 (3), 9744 (6), 9754 (3), 9757 (6), 9829, 9896, 9916 (6), 9936 (6)                            |

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|-------------------------------------|--------------|-------|---------|---------------------|---|
| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 10444                               | $2 \times 4$ | 8     | 1871100 | 10689, 10676 (2)    | 5875 (8), 9639 (2), 9664, 9676 (4), 9823 (2), 10030 (2), 10115, 10116, 10135 (2), 10232 (2), 10242 (2)  |
| 10445                               | $D_8$        | 8     | 1871100 | 10695, 10687, 10675 | 5876 (4), 7876 (4), 9121 (8), 9126 (8), 9188 (2), 9222 (4), 9279, 9429 (4), 9670, 9682, 9683, 9698 (2), 9728 (2), 9746 (2), 9750 (2), 9801, 9809, 9877, 9879 (2), 9883 (2), 9916 (2), 9974 (2), 10003   |
| 10446                               | $2 \times 4$ | 8     | 1871100 | 10692, 10672, 10675 | 5877 (4), 7863 (4), 7866 (4), 9189 (2), 9213 (4), 9489 (4), 9670, 9683, 9685, 9704 (2), 9734 (2), 9751 (2), 9772 (2), 9788, 9805 (2), 9811, 9918 (2), 9955 (2), 9981 (2), 10046, 10057  |
| 10447                               | $D_8$        | 8     | 1871100 | 10689 (2), 10676    | 5883 (16), 9639, 9640 (4), 9664 (2), 9823 (2), 9867 (2), 9937 (2), 10013, 10029, 10114 (2), 10242 (2)   |
| 10448                               | $2 \times 4$ | 8     | 467775  | 10693, 10676 (2)    | 5885 (8), 9638 (4), 9639 (4), 9663, 9673 (2), 9677 (2), 9680 (2), 9691 (2), 9693 (2), 9701 (2), 9721 (2), 9722 (4), 9735 (4), 9742 (2), 9743 (2), 10090, 10170, 10192 (2), 10204 (4), 10205 (2), 10206 (2), 10216 (2), 10217 (4), 10218 (2), 10230 (4), 10241 (4) |
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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups | Minimal Overgroups   |
| 10449                               | $2 \times 4$ | 8     | 935550  | 10674 (2), 10693  | 5886 (4), 9152 (8),<br>9666, 9674, 9678,<br>9680, 9681, 9688,<br>9689, 9690, 9692,<br>9702 (2), 9710 (2),<br>9723 (2), 9729 (2),<br>9730 (2), 9739 (2),<br>9740 (2), 9744 (2),<br>9844, 9855, 10067,<br>10076, 10113 (2),<br>10157, 10173, 10201<br>(2), 10211 (2), 10212<br>(2), 10213 (2), 10214<br>(2), 10215 (2), 10217<br>(2) |
| 10450                               | $2 \times 4$ | 8     | 3742200 | 10689, 10673 (2)  | 5888 (4), 9149 (8),<br>9665, 9676 (2), 9679<br>(2), 9875 (2), 9923<br>(2), 10084, 10098  |
| 10451                               | $2 \times 4$ | 8     | 935550  | 10693, 10672 (2)  | 5890 (4), 9669, 9677,<br>9684, 9685, 9686,<br>9688, 9689, 9711<br>(2), 9745 (2), 9765<br>(2), 9766 (2), 9767<br>(2), 9768 (2), 9771<br>(2), 9772 (2), 9995,<br>10032, 10059, 10074,<br>10077, 10089 (2),<br>10154, 10158 (2),<br>10159 (2), 10163 (2),<br>10171, 10185, 10203<br>(2), 10204 (2), 10214<br>(2), 10215 (2)           |
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|-------------------------------------|--------------|-------|---------|---------------------|---|
| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 10452                               | $D_8$        | 8     | 1871100 | 10696, 10687, 10672 | 5891 (4), 9671, 9683, 9684, 9719 (2), 9746 (2), 9751 (2), 9767 (2), 10000, 10040, 10045, 10056, 10072 (2), 10073 (2), 10184 (2), 10189 (2)  |
| 10453                               | $D_8$        | 8     | 935550  | 10696, 10704, 10675 | 5897 (4), 9672, 9683 (2), 9687 (2), 9720 (2), 9749 (4), 9752 (2), 9776 (4), 10004, 10044 (2), 10058, 10071 (2), 10073 (4), 10186 (2), 10187 (2), 10200 (4)  |
| 10454                               | $2 \times 4$ | 8     | 935550  | 10675, 10674, 10693 | 5898 (4), 9672, 9678, 9682, 9685, 9687, 9690, 9691, 9718 (2), 9736 (2), 9747 (2), 9754 (2), 9770 (2), 9775 (2), 9777 (2), 9778 (2), 9998, 10033, 10130, 10152, 10156 (2), 10157 (2), 10158 (2), 10161 (2), 10172, 10180, 10185, 10193, 10210 (2), 10212 (2), 10214 (2), 10218 (2) |
| 10455                               | $D_8$        | 8     | 1871100 | 10696, 10704, 10674 | 5901 (4), 9220 (4), 9221 (4), 9674, 9681, 9687, 9713 (2), 9733 (2), 9757 (2), 9774 (2), 9909, 9912, 10103 (2), 10161, 10187, 10200 (2), 10209 (2), 10211 (2)  |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 10456                               | $D_8$     | 8     | 7484400 | 10688, 10700, 10673 | 5907 (4), 9111 (4), 9112 (4), 9130 (4), 9229 (4), 9679 (2), 9923 (2), 10095  |
| 10457                               | $D_8$     | 8     | 3742200 | 10703, 10676, 10702 | 5910 (4), 9693, 9779 (2), 9780 (2), 10023, 10037, 10175 (2), 10244 (2)   |
| 10458                               | $Q_8$     | 8     | 103950  | 10678 (3)           | 5915 (16), 9185 (4), 9227 (4), 9228 (32), 9641 (36), 9694 (6), 9695 (6), 9948 (18), 9957 (3), 9975 (3), 9992 (18), 10010 (9)                             |
| 10459                               | $Q_8$     | 8     | 623700  | 10676 (3)           | 5916 (16), 9203 (16), 9639 (3), 9642 (12), 10013 (3), 10133 (3), 10135 (6)   |
| 10460                               | 8         | 8     | 3742200 | 10676               | 5917 (8), 9638, 9640 (2), 9642 (2), 10012, 10025, 10227 (2), 10240 (2)   |
| 10461                               | $D_8$     | 8     | 3742200 | 10701 (2), 10676    | 5918 (8), 6005 (4), 9134 (4), 9640 (2), 9642 (2), 9721, 9779 (2), 9780 (2), 9824, 10020  |
| 10462                               | $D_8$     | 8     | 623700  | 10695, 10677, 10699 | 5924 (2), 9119 (8), 9191 (4), 9192 (4), 9270, 9347 (4), 9696 (6), 9697, 9698 (6), 9699 (3), 9700 (3), 9826, 9853 (6), 9876, 9877 (3), 9932 (6), 9994 (3) |
| 10463                               | $D_8$     | 8     | 41580   | 10682, 10677, 10697 | 5940 (2), 7841 (36), 9194 (20), 9198 (20), 9322 (6), 9697 (15), 9705 (45), 9712 (15), 9810, 9813 (45), 9851 (15), 9898 (15)                              |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 10464                               | $2 \times 4$ | 8     | 623700  | 10677, 10692, 10675 | 5941 (2), 7848 (8), 9193 (4), 9196 (4), 9267 (4), 9697, 9698 (6), 9704 (6), 9718 (3), 9720 (3), 9786, 9787 (6), 9827, 9950 (6), 10039 (3), 10046 (3)   |
| 10465                               | $2 \times 4$ | 8     | 1871100 | 10693, 10672, 10677 | 5942 (2), 7839 (4), 7849 (4), 9150 (4), 9151 (4), 9268 (2), 9696, 9699, 9701, 9702, 9703, 9704, 9705, 9706, 9707, 9708, 9709, 9710, 9711, 9718, 9719, 9765, 9777, 9785, 9788, 9789, 9790, 9797, 9807, 9843, 9861, 9862, 9967, 10032, 10035, 10040, 10043 |
| 10466                               | $D_8$        | 8     | 1871100 | 10696, 10677, 10687 | 5943 (2), 7840 (4), 9195 (4), 9201 (4), 9323 (2), 9698 (2), 9700, 9705, 9708 (2), 9713 (2), 9719 (2), 9720, 9809, 9814, 9863 (2), 9920 (2), 9973 (2), 10034, 10042 (2), 10045  |
| 10467                               | $D_8$        | 8     | 623700  | 10685, 10677, 10704 | 5959 (2), 9197 (4), 9200 (4), 9699 (3), 9709 (6), 9712, 9713 (6), 9720 (3), 9828, 9887 (6), 9900, 9954 (6), 10031 (3), 10044 (3)   |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 10468                               | $2 \times 4$ | 8     | 623700  | 10684, 10677, 10674 | 5960 (2), 9199 (4), 9202 (4), 9700 (3), 9710 (6), 9712, 9713 (6), 9718 (3), 9829, 9897, 9919 (6), 9951 (6), 10033 (3), 10041 (3)  |
| 10469                               | $D_8$        | 8     | 3742200 | 10701 (2), 10678    | 5964 (4), 9137 (4), 9232 (2), 9641, 9643, 9644, 9645, 9659, 9715, 9716, 9824, 9830, 9831, 9976, 10018, 10020, 10038, 10148  |
| 10470                               | 8            | 8     | 623700  | 10678               | 5965 (8), 9237 (4), 9644 (6), 9660, 9694, 9714 (6), 9716 (6), 9986, 9993 (6), 10015 (3), 10016 (3), 10022 (3), 10149 (3)  |
| 10471                               | $D_8$        | 8     | 623700  | 10702 (2), 10678    | 5966 (8), 9236 (4), 9660, 9694, 9715 (6), 9717 (6), 9830 (6), 9949 (6), 9984, 10019 (3), 10023 (3), 10037 (3), 10150 (3)  |
| 10472                               | $2 \times 4$ | 8     | 1871100 | 10678, 10679, 10680 | 5968 (8), 7834 (16), 7869 (8), 9234 (2), 9653 (2), 9657, 9658, 9695, 9714 (2), 9715 (2), 9784 (2), 9806, 9831 (2), 9865, 9870 (2), 9958 (2), 10036, 10048, 10123 (2)  |
| 10473                               | $2 \times 4$ | 8     | 935550  | 10693, 10679 (2)    | 6028 (4), 7842 (8), 9297 (2), 9651 (4), 9667, 9707 (2), 9725 (2), 9726 (2), 9730 (2), 9731 (2), 9741, 9742, 9756 (2), 9762 (2), 9768 (2), 9773 (2), 9777 (2), 9803 (2), 9806, 9964, 9989 (4), 10068, 10075 (2), 10166 |
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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 10474                               | $D_8$        | 8     | 1871100 | 10696, 10672, 10697 | 6045 (2), 7844 (4), 9214 (4), 9215 (4), 9321 (2), 9705, 9733 (2), 9734 (2), 9752, 9753, 9761 (2), 9767 (2), 9811, 9812, 9862 (2), 9921 (2), 9980 (2), 10045, 10154, 10177 (2)  |
| 10475                               | $2 \times 4$ | 8     | 1871100 | 10693, 10675 (2)    | 6105 (2), 7862 (4), 9153 (4), 9292 (2), 9702, 9704, 9722, 9723, 9724, 9727, 9728, 9731, 9736, 9749, 9750, 9756, 9760, 9763, 9764, 9769, 9771, 9772, 9778, 9787, 9800, 9807, 9808, 9856, 9857, 9965, 9977, 10043, 10055, 10064, 10165 |
| 10476                               | $D_8$        | 8     | 623700  | 10695, 10675, 10697 | 6126 (2), 9129 (8), 9206 (4), 9223 (4), 9358 (4), 9519, 9697, 9728 (6), 9734 (6), 9752 (3), 9754 (3), 9827, 9850, 9857 (6), 9932 (6), 9999 (3), 10003 (3)  |
| 10477                               | $D_8$        | 8     | 623700  | 10685, 10674, 10697 | 6127 (2), 9207 (4), 9225 (4), 9712, 9729 (6), 9733 (6), 9753 (3), 9754 (3), 9890 (6), 9896, 9899, 9917 (6), 10041 (3), 10152 (3)   |
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|-------------------------------------|--------------|-------|---------|---------------------|--|
| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 10478                               | $D_8$        | 8     | 3742200 | 10685, 10672, 10704 | 6132 (2), 9209 (2), 9210 (2), 9470 (2), 9471 (2), 9709, 9732, 9733, 9737, 9748, 9774, 9776, 9817, 9886, 9887, 9952, 9953, 9955, 10073, 10163   |
| 10479                               | $2 \times 4$ | 8     | 3742200 | 10684, 10674, 10672 | 6133 (2), 9211 (2), 9212 (2), 9493 (2), 9494 (2), 9710, 9732, 9733, 9740, 9757, 9758, 9770, 9820, 9890, 9918, 9919, 9931, 9936, 10158, 10184   |
| 10480                               | $D_8$        | 8     | 3742200 | 10696, 10699, 10675 | 6134 (2), 9217 (2), 9218 (2), 9477 (2), 9698, 9727, 9734, 9746, 9747, 9749, 9751, 9856, 9858, 9932, 9950, 10042, 10055, 10177, 10178   |
| 10481                               | $D_8$        | 8     | 3742200 | 10685, 10674, 10687 | 6135 (2), 9224 (2), 9226 (2), 9481 (2), 9482 (2), 9713, 9729, 9732, 9744, 9758, 9774, 9775, 9819, 9891, 9916, 9917, 9931, 9951, 10156, 10184   |
| 10482                               | $D_8$        | 8     | 7484400 | 10701, 10679, 10702 | 6158 (4), 6233 (2), 9238 (2), 9288 (2), 9715, 9762, 9779, 9780, 9830, 9913, 10219  |
| 10483                               | $2 \times 4$ | 8     | 1871100 | 10693, 10672 (2)    | 6159 (2), 7857 (4), 9166 (4), 9290 (2), 9662, 9703, 9706, 9725, 9735, 9737, 9738, 9739, 9740, 9748, 9759, 9760, 9761, 9763, 9765, 9766, 9769, 9770, 9778, 9798, 9799, 9805, 9843, 9846, 9864, 9966, 9978, 10063, 10072, 10075, 10089 |
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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 10484                               | $2 \times 4$ | 8     | 1871100 | 10679, 10680, 10676 | 6163 (4), 7838 (16), 9650 (2), 9658 (2), 9742, 9779 (4), 9784 (2), 9872 (2), 9935 (2), 10036, 10048, 10119 (2)                             |
| 10485                               | $2 \times 4$ | 8     | 1871100 | 10679, 10694, 10676 | 6165 (4), 9668 (2), 9742, 9780 (4), 9926 (2), 10036, 10080, 10225 (2), 10234 (2), 10236 (2), 10243 (2)                                     |
| 10486                               | $D_8$        | 8     | 1871100 | 10685, 10672, 10699 | 6170 (2), 9699, 9745 (2), 9748 (2), 9751 (2), 9753, 9755, 9758 (2), 9994, 9995, 10035 (2), 10056, 10057, 10060 (2), 10176 (2), 10177 (2)   |
| 10487                               | $D_8$        | 8     | 3742200 | 10696, 10687, 10672 | 6175 (2), 9466 (2), 9467 (2), 9515 (2), 9708, 9738, 9757, 9758, 9761, 9774, 9776, 9884, 9889, 9920, 9921, 9974, 9981, 10159, 10189         |
| 10488                               | $2 \times 4$ | 8     | 1871100 | 10672, 10684, 10675 | 6200 (2), 9718, 9746 (2), 9752, 9755, 9770 (2), 9772 (2), 9776 (2), 9999, 10000, 10043 (2), 10046, 10074, 10177 (2), 10183 (2), 10188 (2)  |
| 10489                               | $D_8$        | 8     | 1871100 | 10685, 10675, 10687 | 6201 (2), 9720, 9750 (2), 9751 (2), 9754, 9755, 9775 (2), 9776 (2), 10000, 10003, 10039, 10042 (2), 10064 (2), 10065, 10183 (2), 10190 (2) |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 10490                               | $D_8$        | 8     | 7484400 | 10703, 10679, 10701                       | 6234 (2), 9421 (2), 9773, 9779, 9780, 9831, 9913, 10038, 10219   |
| 10491                               | $2^3$        | 8     | 14850   | 10705 (7)                                 | 7170 (8), 9246 (28), 9247 (4), 9248 (224), 9781 (6), 9783 (3), 9892 (21), 9908 (126), 9929 (63)  |
| 10492                               | $D_8$        | 8     | 1485    | 10682, 10683, 10681                       | 7171 (960), 7878 (336), 9250 (560), 9251, 9306 (56), 9782 (420), 9792 (210), 9810 (28), 9893 (105)   |
| 10493                               | $2 \times 4$ | 8     | 623700  | 10684, 10672, 10683                       | 7172 (16), 7845 (4), 7867 (12), 9243 (4), 9281 (4), 9293 (6), 9491 (12), 9782, 9788 (3), 9798 (6), 9812 (3), 9820 (6), 9882, 9889 (6), 9897, 9953 (6), 10056 (3), 10074 (3)                            |
| 10494                               | $2^3$        | 8     | 623700  | 10682, 10684, 10686 (2), 10680 (2), 10685 | 7173 (16), 7874 (12), 9154 (4), 9239 (4), 9311 (6), 9334 (4), 9483 (12), 9712, 9732 (6), 9755 (3), 9782, 9804 (3), 9813 (3), 9816 (6), 9838 (6), 9888 (6), 9894, 10069 (3)                             |
| 10495                               | $D_8$        | 8     | 623700  | 10685, 10672, 10681                       | 7174 (16), 7879 (12), 9240 (4), 9252, 9302 (12), 9303 (6), 9339 (4), 9419 (8), 9445 (24), 9446 (12), 9782, 9797 (3), 9811 (3), 9817 (6), 9828, 9846 (6), 9884 (6), 9899, 9931 (6), 9995 (3), 10000 (3) |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 10496                               | $2^3$        | 8     | 207900  | 10684 (3), 10687 (3), 10681               | 7175 (16), 7880 (12), 9241 (4), 9253, 9254 (8), 9304 (6), 9340 (4), 9449 (12), 9782 (3), 9802 (3), 9809 (9), 9818 (6), 9829 (3), 9847 (6), 9884 (18), 9895, 9931 (18), 9997 (3), 10000 (9) |
| 10497                               | $D_8$        | 8     | 623700  | 10685, 10687, 10683                       | 7176 (16), 7889 (12), 9242 (4), 9319 (6), 9341 (4), 9475 (12), 9782, 9801 (3), 9814 (3), 9819 (6), 9849 (6), 9889 (6), 9896, 9900, 9953 (6), 10056 (3), 10065 (3)                          |
| 10498                               | $2 \times 4$ | 8     | 1871100 | 10678, 10676, 10689                       | 7832 (16), 9647, 9655 (2), 9784 (2), 9867 (2), 9868, 9930, 10010, 10013 (2), 10030 (2), 10053 (2), 10087, 10225 (2), 10230, 10231, 10242 (2)   |
| 10499                               | $2 \times 4$ | 8     | 3742200 | 10678, 10679, 10690                       | 7833 (8), 9505 (2), 9649, 9655, 9784, 9869, 9927, 9958, 9988, 9989, 9992, 10054, 10122, 10125, 10199, 10226, 10243   |
| 10500                               | $2^3$        | 8     | 1871100 | 10690, 10691 (2), 10689, 10680, 10688 (2) | 7835 (16), 9142 (8), 9650 (2), 9657 (2), 9784 (2), 9832, 9871 (2), 9872 (2), 9915 (4), 9934, 10118, 10123 (2)  |
| 10501                               | $2 \times 4$ | 8     | 3742200 | 10679, 10676, 10690                       | 7836 (8), 9651, 9654, 9784, 9873, 9946, 10017, 10052, 10119, 10121, 10125, 10225, 10235, 10236, 10241, 10243   |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups           | Minimal Overgroups  |
| 10502                               | $2 \times 4$ | 8     | 1871100 | 10679 (2), 10689            | 7837 (16), 9651 (2), 9656 (2), 9784 (2), 9874 (2), 9875 (4), 10051, 10099, 10128, 10226 (2), 10234 (2)  |
| 10503                               | $2 \times 4$ | 8     | 311850  | 10693, 10677 (2)            | 7846 (8), 9167 (8), 9271 (4), 9673 (3), 9686 (3), 9690 (3), 9692 (3), 9706 (6), 9726 (6), 9759 (6), 9764 (6), 9785 (6), 9786, 9787 (6), 9791, 9794, 9826, 9851, 9853 (6), 9863 (6), 9969, 9983, 10031 (3), 10032 (3), 10033 (3), 10034 (3)  |
| 10504                               | $2 \times 4$ | 8     | 41580   | 10692, 10683, 10677         | 7847 (12), 7865 (36), 9266 (6), 9272 (20), 9365 (20), 9786 (15), 9788 (45), 9810, 9814 (45), 9876 (15), 9897 (15), 9900 (15)  |
| 10505                               | $2 \times 4$ | 8     | 1871100 | 10677, 10684, 10675         | 7850 (4), 7864 (4), 9269 (2), 9273 (4), 9490 (4), 9787 (2), 9788, 9790 (2), 9809, 9813, 9877, 9919 (2), 9932 (2), 9954 (2), 9973 (2), 10033, 10042 (2), 10043 (2), 10044, 10046   |
| 10506                               | $2^3$        | 8     | 103950  | 10693 (3), 10699 (3), 10681 | 7851 (8), 9160 (24), 9161 (8), 9277, 9286 (4), 9287 (8), 9677 (9), 9678 (3), 9703 (6), 9731 (18), 9791 (3), 9792 (3), 9793, 9797 (18), 9802 (6), 9826 (3), 9834 (6), 9840 (3), 9846 (18), 9847 (6), 9848, 9855 (9), 9856 (18), 9878, 9880 (3), 9995 (9), 9996 (3), 9997 (3), 9998 (9) |

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|-------------------------------------|--------------|-------|--------|--|---|
| Nr.                                 | Structure    | Order | Length | Maximal Subgroups                            | Minimal Overgroups  |
| 10507                               | $2^3$        | 8     | 311850 | 10692 (2), 10686 (2),<br>10693, 10682, 10696 | 7852 (8), 9162 (24),<br>9163 (8), 9165 (8),<br>9291 (4), 9672 (3),<br>9680 (3), 9681 (3),<br>9684 (3), 9685 (3),<br>9704 (6), 9705 (6),<br>9725 (6), 9727 (6),<br>9738 (6), 9786, 9792,<br>9796, 9804 (6), 9822,<br>9835 (6), 9838 (6),<br>9841 (3), 9848, 9851,<br>9972, 10069 (3),<br>10124 (3)   |
| 10508                               | $2 \times 4$ | 8     | 311850 | 10683, 10693, 10675                          | 7853 (8), 7855 (8),<br>9168 (8), 9169 (24),<br>9295 (4), 9689 (3),<br>9691 (3), 9707 (6),<br>9760 (6), 9786, 9788<br>(6), 9792, 9793,<br>9794, 9795, 9798 (6),<br>9800 (6), 9801 (6),<br>9844 (3), 9849 (6),<br>9850, 9858 (6), 9859<br>(3), 9971, 10058 (3),<br>10065 (3), 10074 (3),<br>10130 (3) |
| 10509                               | $2 \times 4$ | 8     | 155925 | 10693, 10678 (2)                             | 7854 (16), 9296 (4),<br>9646 (12), 9647 (6),<br>9648 (6), 9649 (12),<br>9789 (6), 9791 (2),<br>9795, 9796 (2), 9799<br>(12), 9806 (6), 9808<br>(12), 9968, 9975 (2),<br>9976 (6), 9979 (6),<br>9984, 9986 (2), 10059<br>(6), 10062 (3), 10076<br>(6), 10078 (3), 10090<br>(3), 10193 (3)            |
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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                         | Minimal Overgroups  |
| 10510                               | $2 \times 4$ | 8     | 311850  | 10675 (2), 10693                          | 7856 (8), 9298 (4), 9790 (6), 9793, 9794, 9796, 9803 (6), 9805 (6), 9807 (6), 9879 (6), 9880, 9972, 9977 (6), 9978 (6), 9982 (6), 9983, 9985, 10061 (3), 10067 (3), 10071 (3), 10077 (3), 10157 (3), 10180 (3), 10185 (3), 10192 (3)  |
| 10511                               | $2^3$        | 8     | 1871100 | 10697, 10684 (2), 10687, 10693, 10698 (2) | 7858 (4), 9164 (4), 9172 (4), 9173 (4), 9300 (2), 9705, 9710, 9722, 9726, 9728, 9729, 9754, 9761, 9767, 9768, 9770, 9790, 9798, 9801, 9802, 9808, 9836, 9838, 9842, 9845, 9847, 9852, 9854, 9863, 9864, 9970, 9982, 10040, 10064, 10066, 10151  |
| 10512                               | $2^3$        | 8     | 623700  | 10693 (3), 10695, 10685 (3)               | 7859 (4), 9147 (6), 9174 (4), 9175 (4), 9278, 9699 (3), 9711, 9730 (3), 9735 (3), 9736, 9737 (3), 9744 (3), 9745 (3), 9750 (3), 9754 (3), 9785, 9797 (3), 9799 (3), 9800, 9801 (3), 9803 (3), 9804, 9815, 9834, 9835, 9836, 9837, 9853 (3), 9854, 9857 (3), 9879 (3), 9881, 9885, 9956, 9966 (3), 10001 |
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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 10513                               | $2 \times 4$ | 8     | 3742200 | 10684, 10672, 10675                       | 7860 (4), 9282 (2), 9283 (2), 9299 (2), 9790, 9798, 9805, 9883, 9884, 9888, 9918, 9919, 9952, 9974, 9980, 10060, 10073, 10158, 10188   |
| 10514                               | $2^3$        | 8     | 935550  | 10693, 10680, 10684 (2), 10692 (2), 10694 | 7861 (8), 9141 (8), 9180 (8), 9294 (2), 9650 (4), 9718 (2), 9740 (2), 9742, 9772 (2), 9787 (2), 9788 (2), 9802 (2), 9804 (2), 9805 (2), 9806, 9832, 9833, 9839 (2), 9842 (2), 9860 (2), 9870 (4), 9885 (2), 9959, 10070, 10124 |
| 10515                               | $2 \times 4$ | 8     | 1871100 | 10678, 10694, 10679                       | 7868 (8), 9320 (2), 9652 (2), 9654, 9655 (2), 9656, 9806, 9830 (2), 9925 (2), 9987 (2), 9988 (2), 9990, 9992, 9993 (2), 10036, 10038 (2), 10080  |
| 10516                               | $D_8$        | 8     | 41580   | 10695, 10677, 10681                       | 7870 (36), 9135, 9136, 9245 (12), 9301 (6), 9343 (20), 9344 (20), 9797 (45), 9809 (45), 9810, 9826 (15), 9827 (15), 9828 (15), 9829 (15)   |
| 10517                               | $2^3$        | 8     | 623700  | 10695, 10684 (3), 10696 (3)               | 7871 (4), 9148 (6), 9309, 9448 (4), 9450 (4), 9700 (3), 9746 (6), 9752 (3), 9757 (6), 9804, 9809 (3), 9812 (3), 9833 (2), 9836 (2), 9906 (2), 9932 (6), 9947, 9974 (6), 10001 (2), 10002                                       |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups                               | Minimal Overgroups  |
| 10518                               | $2^3$     | 8     | 13860   | 10682 (3), 10692 (3),<br>10695                  | 7872 (36), 9122<br>(40), 9128 (40), 9145<br>(18), 9310, 9359<br>(20), 9360 (20), 9670<br>(135), 9675 (45),<br>9697 (45), 9804 (45),<br>9810 (3), 9822 (15),<br>9894 (15)                                  |
| 10519                               | $2^3$     | 8     | 1871100 | 10692, 10694 (2),<br>10686 (2), 10685,<br>10696 | 7873 (4), 9183 (4),<br>9312 (2), 9454 (4),<br>9484 (4), 9720, 9751<br>(2), 9753, 9774 (2),<br>9804, 9811, 9814,<br>9835 (2), 9860 (2),<br>9907 (2), 9950 (2),<br>9981 (2), 10002,<br>10069, 10070 (2)     |
| 10520                               | $D_8$     | 8     | 311850  | 10696, 10675, 10681                             | 7875 (8), 9280, 9305<br>(4), 9354 (8), 9381<br>(24), 9382 (48), 9422<br>(16), 9792, 9809 (6),<br>9811 (6), 9827 (2),<br>9856 (12), 9880 (2),<br>9884 (12), 9909 (6),<br>9998 (3), 10000 (6),<br>10004 (3) |
| 10521                               | $D_8$     | 8     | 41580   | 10695, 10697, 10683                             | 7877 (36), 9274, 9318<br>(6), 9351 (20), 9352<br>(20), 9801 (45), 9810,<br>9812 (45), 9850 (15),<br>9876 (15), 9882 (15),<br>9896 (15)  |
| 10522                               | $2^3$     | 8     | 13860   | 10692 (3), 10697 (3),<br>10681                  | 7881 (36), 9275, 9307<br>(6), 9355 (20), 9356<br>(20), 9423 (40), 9425<br>(40), 9802 (45), 9810<br>(3), 9811 (135), 9827<br>(45), 9848 (15), 9895<br>(15), 9899 (45)                                      |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups                         | Minimal Overgroups   |
| 10523                               | $D_8$     | 8     | 1871100 | 10685, 10699, 10677                       | 7883 (4), 9313 (2), 9468 (4), 9469 (4), 9797, 9813, 9814, 9853 (2), 9887 (2), 9950 (2), 9951 (2), 9967 (2), 9973 (2), 9994, 10031, 10035 (2), 10039, 10041, 10042 (2)        |
| 10524                               | $2^3$     | 8     | 1871100 | 10699, 10694 (2), 10684, 10698 (2), 10697 | 7884 (4), 9314 (2), 9478 (4), 9480 (4), 9802, 9812, 9813, 9860 (2), 9890 (2), 9914 (2), 9932 (2), 9970 (2), 9980 (2), 9999, 10041, 10066 (2), 10153, 10177 (2), 10179        |
| 10525                               | $2^3$     | 8     | 1871100 | 10699, 10698 (2), 10687, 10692, 10680 (2) | 7885 (4), 9157 (8), 9315 (2), 9412 (4), 9479 (4), 9670, 9671, 9698 (2), 9751 (2), 9802, 9814, 9838 (2), 9839 (2), 9841, 9891 (2), 9915 (2), 9959 (2), 9981 (2), 10039, 10179 |
| 10526                               | $D_8$     | 8     | 311850  | 10696, 10699, 10683                       | 7886 (8), 9316 (4), 9361 (8), 9396 (24), 9792, 9812 (6), 9814 (6), 9858 (12), 9876 (2), 9889 (12), 9912 (6), 9971 (2), 10056 (6), 10058 (3), 10143 (3)                       |
| 10527                               | $D_8$     | 8     | 1871100 | 10685, 10675, 10697                       | 7888 (4), 9317 (2), 9474 (4), 9476 (4), 9801, 9811, 9813, 9857 (2), 9917 (2), 9950 (2), 9952 (2), 9980 (2), 9982 (2), 10003, 10044, 10057, 10064 (2), 10152, 10177 (2)       |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                            | Minimal Overgroups  |
| 10528                               | $2^3$        | 8     | 1871100 | 10685 (2), 10701 (2),<br>10707, 10712 (2)    | 9113 (4), 9400 (4),<br>9816, 9817, 9819,<br>9837 (2), 9887 (2),<br>9907 (2), 9917 (2),<br>10020 (2), 10132,<br>10174 (2), 10176,<br>10190, 10191, 10219<br>(2), 10221 (2) |
| 10529                               | $2^3$        | 8     | 3742200 | 10686 (2), 10698 (2),<br>10680, 10701, 10702 | 9114 (4), 9179 (16),<br>9325 (4), 9411 (2),<br>9434 (4), 9715 (2),<br>9779 (2), 9816, 9838<br>(2), 9860, 9907 (2),<br>9910  |
| 10530                               | $2^3$        | 8     | 1247400 | 10701, 10680 (3),<br>10703 (3)               | 9115 (12), 9289 (4),<br>9779 (6), 9816 (3),<br>9831 (6), 9839 (3),<br>9910  |
| 10531                               | $2^3$        | 8     | 1871100 | 10702, 10707, 10708<br>(2), 10684 (2), 10703 | 9116 (4), 9403 (4),<br>9816, 9818, 9820,<br>9842 (2), 9906 (2),<br>9914 (2), 9919 (2),<br>10023 (2), 10151,<br>10175 (2), 10182,<br>10188, 10191, 10219<br>(2), 10222 (2) |
| 10532                               | $2 \times 4$ | 8     | 1871100 | 10672 (2), 10707                             | 9117 (4), 9407 (4),<br>9817, 9820, 9821,<br>9843 (2), 9886 (2),<br>9918 (2), 9921 (2),<br>10024 (2), 10089,<br>10174 (2), 10176,<br>10188, 10189, 10220<br>(2), 10222 (2) |
| 10533                               | $2^3$        | 8     | 1871100 | 10703 (2), 10688 (2),<br>10707, 10687 (2)    | 9118 (4), 9408 (4),<br>9818, 9819, 9821,<br>9845 (2), 9915 (2),<br>9916 (2), 9920 (2),<br>10028 (2), 10126,<br>10175 (2), 10182,<br>10189, 10190, 10220<br>(2), 10221 (2) |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups           | Minimal Overgroups   |
| 10534                               | $2^3$     | 8     | 623700  | 10689 (3), 10700 (4)        | 9123 (16), 9138 (16), 9664 (3), 9679 (12), 9867 (6), 9938 (3), 10116 (3)   |
| 10535                               | $2^3$     | 8     | 51975   | 10695 (4), 10693 (3)        | 9124 (32), 9144 (16), 9442 (4), 9443 (4), 9662 (18), 9663 (9), 9666 (9), 9667 (18), 9669 (18), 9682 (18), 9696 (36), 9728 (36), 9815 (6), 9822, 9826 (6), 9833 (6), 9850 (6), 9947 (3), 9956 (3), 9968 (3), 9985 (3)   |
| 10536                               | $2^3$     | 8     | 207900  | 10692 (3), 10696 (3), 10695 | 9127 (8), 9146 (12), 9276, 9350 (4), 9424 (4), 9671 (9), 9683 (9), 9698 (18), 9734 (18), 9822, 9827 (3), 9833 (6), 9835 (6), 9876 (3), 9885 (3), 10002 (3)   |
| 10537                               | $D_8$     | 8     | 1871100 | 10706, 10676, 10705         | 9132 (2), 9133 (4), 9823 (2), 9825, 9926 (2), 9929, 9930, 9935 (2), 9944 (2), 9946 (2), 10134 (2), 10135 (2), 10170, 10195, 10228, 10231, 10235 (2)  |
| 10538                               | $2^3$     | 8     | 467775  | 10693, 10689 (2), 10704 (4) | 9139 (16), 9663, 9664 (4), 9665 (4), 9681 (2), 9686 (2), 9687 (2), 9709 (4), 9724 (2), 9737 (4), 9741 (2), 9832 (2), 9840 (2), 9852 (2), 9859 (2), 9868 (4), 9901 (2), 10051 (4), 10062, 10071 (2), 10085, 10093 (2), 10203 (2), 10205 (2), 10210 (4), 10211 (4) |
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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups                            | Minimal Overgroups   |
| 10539                               | $2^3$     | 8     | 935550  | 10693, 10690 (2),<br>10687 (4)               | 9140 (8), 9510 (2),<br>9667, 9708 (2), 9738<br>(2), 9743, 9744 (2),<br>9764 (2), 9771 (2),<br>9775 (2), 9832, 9845<br>(2), 9847 (2), 9849<br>(2), 9861 (2), 9869<br>(4), 9879 (2), 9959,<br>9979, 10052 (4),<br>10068, 10072 (2),<br>10126   |
| 10540                               | $2^3$     | 8     | 1871100 | 10690, 10708 (4),<br>10694, 10689            | 9143 (8), 9668 (2),<br>9832, 9873 (2), 9874<br>(2), 9914 (4), 9925<br>(2), 10053 (2), 10054<br>(2), 10081, 10118   |
| 10541                               | $2^3$     | 8     | 1871100 | 10699 (2), 10685 (2),<br>10693, 10701 (2)    | 9155 (4), 9171 (4),<br>9453 (2), 9696, 9709,<br>9721, 9723, 9727,<br>9729, 9745, 9747,<br>9748, 9759, 9762,<br>9766, 9773, 9775,<br>9834, 9837, 9838,<br>9839, 9846, 9849,<br>9853, 9858, 9860,<br>9967, 9976, 9977,<br>9982, 10035, 10055,<br>10066, 10132  |
| 10542                               | $2^3$     | 8     | 623700  | 10692, 10699, 10686<br>(2), 10702 (2), 10697 | 9156 (4), 9346 (4),<br>9363 (4), 9413 (4),<br>9697, 9734 (6), 9753<br>(3), 9838 (6), 9842<br>(3), 9848, 9860 (6),<br>9876, 9950 (6), 10057<br>(3), 10179 (3)   |
| 10543                               | $2^3$     | 8     | 935550  | 10693, 10704, 10707<br>(2), 10712 (2), 10699 | 9158 (8), 9669, 9672,<br>9673, 9674, 9699 (2),<br>9748 (2), 9749 (2),<br>9756 (2), 9837 (2),<br>9840, 9841, 9842 (2),<br>9843 (2), 9844, 9845<br>(2), 9996, 10031,<br>10058, 10059, 10061,<br>10085 (2), 10091,<br>10093 (2), 10153,<br>10160 (2), 10161 (2),<br>10163 (2), 10180,<br>10201 (2), 10204 (2),<br>10212 (2) |
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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 10544                               | $2^3$     | 8     | 1871100 | 10699, 10703 (2),<br>10684, 10709 (2),<br>10687 | 9159 (4), 9700, 9746<br>(2), 9755, 9758 (2),<br>9839 (2), 9842, 9845<br>(2), 9877, 9997,<br>10042 (2), 10056,<br>10060 (2), 10066 (2),<br>10179, 10182 (2)   |
| 10545                               | $2^3$     | 8     | 311850  | 10696 (2), 10702 (2),<br>10693, 10697 (2)       | 9170 (8), 9460 (4),<br>9674 (3), 9687 (3),<br>9688 (3), 9693 (3),<br>9708 (6), 9761 (6),<br>9762 (6), 9763 (6),<br>9836 (6), 9848, 9850,<br>9851, 9857 (6), 9860<br>(6), 9862 (6), 9880,<br>9971, 9983, 9984,<br>10151 (3), 10152 (3),<br>10153 (3), 10154 (3) |
| 10546                               | $2^3$     | 8     | 623700  | 10697, 10708 (2),<br>10704, 10684, 10710<br>(2) | 9176 (4), 9345 (4),<br>9414 (4), 9712, 9733<br>(6), 9752 (3), 9842<br>(3), 9852 (6), 9882,<br>9895, 9914 (6), 9952<br>(6), 10044 (3), 10153<br>(3)   |
| 10547                               | $2^3$     | 8     | 3742200 | 10684, 10704, 10708<br>(2), 10688 (2), 10687    | 9177 (4), 9415 (2),<br>9416 (2), 9486 (2),<br>9487 (2), 9713, 9732,<br>9757, 9776, 9818,<br>9832, 9845, 9852,<br>9883, 9914, 9915,<br>9953, 9954, 10073,<br>10160  |
| 10548                               | $2^3$     | 8     | 3742200 | 10702 (2), 10685,<br>10684, 10698 (2),<br>10696 | 9178 (4), 9375 (2),<br>9417 (2), 9459 (2),<br>9713, 9733, 9758,<br>9776, 9836, 9838,<br>9860, 9884, 9889,<br>9906, 9907, 9973,<br>9980, 10162, 10191   |
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| Nr.                                 | Structure | Order | Length | Maximal Subgroups                               | Minimal Overgroups   |
| 10549                               | $2^3$     | 8     | 935550 | 10693, 10694 (2),<br>10696 (4)                  | 9181 (8), 9455 (2),<br>9668 (4), 9719 (2),<br>9739 (2), 9741, 9743,<br>9747 (2), 9749 (2),<br>9767 (2), 9833, 9835<br>(2), 9856 (2), 9858<br>(2), 9862 (2), 9863<br>(2), 9904, 9964, 9978<br>(2), 9979, 9987 (4),<br>10001 (2), 10070  |
| 10550                               | $2^3$     | 8     | 935550 | 10693, 10687 (2),<br>10711 (2), 10703 (2)       | 9182 (8), 9682, 9684,<br>9692, 9693, 9719 (2),<br>9750 (2), 9769 (2),<br>9773 (2), 9839 (2),<br>9841, 9854 (2), 9855,<br>9859, 9861 (2), 9864<br>(2), 9997, 10034,<br>10061, 10065, 10077,<br>10078, 10126 (2),<br>10151, 10156 (2),<br>10159 (2), 10160 (2),<br>10172, 10201 (2),<br>10210 (2), 10215 (2),<br>10216 (2) |
| 10551                               | $2^3$     | 8     | 623700 | 10687, 10708 (2),<br>10704, 10692, 10691<br>(2) | 9184 (12), 9364 (4),<br>9488 (4), 9675, 9683<br>(3), 9720 (3), 9774<br>(6), 9832 (6), 9841<br>(3), 9842 (3), 9895,<br>9900, 9915 (6), 9955<br>(6)  |
| 10552                               | $D_8$     | 8     | 311850 | 10705 (2), 10678                                | 9249 (4), 9418 (4),<br>9659 (12), 9660 (2),<br>9661 (6), 9865 (6),<br>9866 (3), 9892 (2),<br>9927 (12), 9930 (6),<br>9975, 9990 (6), 10195<br>(3)  |
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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups           | Minimal Overgroups  |
| 10553                               | $D_8$     | 8     | 1871100 | 10689, 10676, 10705         | 9255 (2), 9823 (2), 9866, 9868, 9872 (2), 9873 (2), 9929, 9930, 9937 (2), 10086, 10116 (2), 10121 (2), 10135 (2), 10230, 10231, 10234 (2)     |
| 10554                               | $2^3$     | 8     | 311850  | 10689 (6), 10705            | 9256 (4), 9783, 9823 (12), 9868 (6), 9871 (2), 9874 (12), 9930 (6), 9938 (2), 10086 (3), 10088 (3), 10114 (6), 10127 (6)                      |
| 10555                               | $D_8$     | 8     | 3742200 | 10706, 10689, 10676         | 9257 (4), 9823, 9867, 9903, 9944, 10013, 10110, 10114, 10116, 10134, 10135, 10136, 10169, 10205, 10232, 10242                                 |
| 10556                               | $2^3$     | 8     | 311850  | 10689 (6), 10706            | 9258 (16), 9823 (12), 9867 (12), 9901, 10092 (6), 10136 (6), 10169 (6)  |
| 10557                               | $D_8$     | 8     | 623700  | 10693, 10678, 10705         | 9259 (2), 9438 (4), 9825 (3), 9868 (3), 9869 (6), 9870 (6), 9892, 9968, 9975, 9987 (6), 9989 (6), 10228 (3), 10230 (3)                        |
| 10558                               | $D_8$     | 8     | 1871100 | 10706, 10689, 10678         | 9260 (4), 9825, 9867 (2), 9925 (2), 9930, 10010, 10062, 10088, 10110 (2), 10122 (2), 10123 (2), 10136 (2), 10226 (2), 10228, 10231, 10242 (2) |
| 10559                               | $2^3$     | 8     | 623700  | 10680 (3), 10690 (3), 10705 | 9261 (4), 9439 (2), 9781, 9865 (6), 9870 (6), 9871, 9872 (6), 9934, 9935 (6), 9958 (3), 9959 (3), 10118 (3), 10119 (3)                        |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups           | Minimal Overgroups   |
| 10560                               | $D_8$     | 8     | 3742200 | 10694, 10679, 10705         | 9262 (2), 9383 (8), 9437 (2), 9870, 9873, 9874, 9908, 9926, 9927, 9933, 9935, 9964, 9987, 9988, 9990, 10108, 10234, 10236                      |
| 10561                               | $D_8$     | 8     | 3742200 | 10705, 10679, 10690         | 9263 (2), 9378 (8), 9435 (2), 9865, 9869, 9872, 9874, 9908, 9927, 9939, 9946, 9961, 9988, 9989, 10099, 10121, 10235, 10236                     |
| 10562                               | $2^3$     | 8     | 623700  | 10690 (6), 10705            | 9264 (4), 9436 (2), 9781, 9869 (6), 9871, 9873 (6), 9927 (6), 9940, 9946 (6), 9960 (3), 9961 (3), 10117 (3), 10120 (3)                         |
| 10563                               | $2^3$     | 8     | 1247400 | 10712 (3), 10689 (3), 10700 | 9265 (4), 9875 (6), 9902, 9923 (6), 10092 (3), 10093 (3)   |
| 10564                               | $2^3$     | 8     | 207900  | 10684 (3), 10711 (3), 10695 | 9285, 9349 (4), 9432 (8), 9433 (4), 9829 (3), 9854 (6), 9877 (9), 9882 (3), 9883 (18), 9885 (3), 9894, 9906 (6), 9936 (18), 9947 (3), 9999 (9) |
| 10565                               | $D_8$     | 8     | 3742200 | 10685, 10672, 10699         | 9324 (2), 9461 (2), 9511 (2), 9846, 9886, 9887, 9888, 9889, 9890, 9891, 9966, 9967, 9980, 9981, 10163, 10176, 10183, 10184                     |

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| Nr.                                 | Structure    | Order | Length | Maximal Subgroups                               | Minimal Overgroups   |
| 10566                               | $2^3$        | 8     | 51975  | 10681, 10704 (3),<br>10707 (3)                  | 9326 (16), 9327 (16),<br>9332 (32), 9516,<br>9817 (36), 9818 (12),<br>9828 (12), 9840 (12),<br>9893 (3), 9895 (4),<br>9909 (36), 9928 (6),<br>9996 (3), 10004 (9),<br>10006 (6), 10007<br>(18), 10008 (18) |
| 10567                               | $2^3$        | 8     | 155925 | 10680 (2), 10691 (2),<br>10682, 10707, 10711    | 9328 (16), 9329 (16),<br>9816 (12), 9821 (12),<br>9841 (12), 9893, 9894<br>(4), 9898 (4), 9911<br>(12), 9934 (6), 10048<br>(6), 10112 (6), 10124<br>(3), 10141 (6), 10145<br>(3)                           |
| 10568                               | $2 \times 4$ | 8     | 155925 | 10707, 10674, 10683                             | 9330 (16), 9331 (16),<br>9819 (12), 9820 (12),<br>9844 (12), 9893, 9896<br>(4), 9897 (4), 9912<br>(12), 9945 (6), 10049<br>(6), 10111 (6), 10130<br>(3), 10142 (6), 10143<br>(3)                           |
| 10569                               | $2^3$        | 8     | 207900 | 10695, 10685 (3),<br>10707 (3)                  | 9333 (4), 9372 (4),<br>9374 (8), 9518, 9828<br>(3), 9837 (6), 9886<br>(18), 9894, 9896 (3),<br>9906 (6), 9916 (18),<br>9956 (3), 9994 (9),<br>10002 (3), 10003 (9)   |
| 10570                               | $2^3$        | 8     | 623700 | 10685, 10709 (2),<br>10711, 10692, 10680<br>(2) | 9335 (4), 9377 (4),<br>9839 (6), 9885 (3),<br>9891 (6), 9894, 9899,<br>9900, 9907 (6), 9955<br>(6), 10039 (3), 10057<br>(3), 10069 (3)   |

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| Nr.                                 | Structure    | Order | Length | Maximal Subgroups                               | Minimal Overgroups   |
| 10571                               | $2^3$        | 8     | 623700 | 10686, 10684, 10692, 10709, 10691, 10710, 10707 | 9336 (4), 9402 (4), 9842 (6), 9894, 9895, 9897, 9907 (6), 9915 (6), 9918 (6), 10002 (3), 10046 (3), 10124 (3), 10179 (3)           |
| 10572                               | $2 \times 4$ | 8     | 623700 | 10677, 10672, 10707                             | 9337 (4), 9406 (4), 9828, 9843 (6), 9887 (6), 9897, 9898, 9919 (6), 9920 (6), 9994 (3), 10032 (3), 10045 (3), 10046 (3)            |
| 10573                               | $2^3$        | 8     | 623700 | 10709 (2), 10708 (2), 10707, 10697, 10687       | 9338 (4), 9410 (4), 9845 (6), 9895, 9896, 9898, 9914 (6), 9917 (6), 9921 (6), 10003 (3), 10045 (3), 10151 (3), 10179 (3)           |
| 10574                               | $D_8$        | 8     | 155925 | 10711, 10674, 10681                             | 9353 (16), 9379 (32), 9380 (16), 9517, 9829 (4), 9855 (12), 9893, 9899 (4), 9909 (12), 9931 (24), 9998 (6), 10007 (12)             |
| 10575                               | $D_8$        | 8     | 155925 | 10711, 10683, 10704                             | 9362 (16), 9395 (16), 9859 (12), 9882 (4), 9893, 9900 (4), 9912 (12), 9953 (24), 10058 (6), 10111 (12)                             |
| 10576                               | $D_8$        | 8     | 623700 | 10711, 10677, 10687                             | 9367 (4), 9496 (4), 9829, 9861 (6), 9877 (3), 9898, 9900, 9920 (6), 9951 (6), 9954 (6), 10034 (3), 10039 (3), 10040 (3)            |
| 10577                               | $D_8$        | 8     | 623700 | 10696, 10697, 10677                             | 9368 (4), 9369 (4), 9495 (4), 9827, 9851, 9862 (6), 9863 (6), 9876, 9932 (6), 9950 (6), 10040 (3), 10041 (3), 10044 (3), 10045 (3) |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups                         | Minimal Overgroups  |
| 10578                               | $D_8$     | 8     | 623700  | 10711, 10672, 10697                       | 9370 (4), 9500 (4), 9864 (6), 9882, 9890 (6), 9898, 9899, 9921 (6), 9952 (6), 9999 (3), 10040 (3), 10057 (3), 10154 (3)   |
| 10579                               | $2^3$     | 8     | 3742200 | 10698 (2), 10708 (2), 10689, 10688, 10710 | 9371 (8), 9440 (4), 9441 (4), 9676 (2), 9679 (2), 9852, 9914 (2), 9915 (2), 10081, 10237  |
| 10580                               | $2^3$     | 8     | 155925  | 10693 (3), 10707 (3), 10706               | 9373 (16), 9825 (12), 9901, 9903 (12), 9904, 9905 (12), 9922 (12), 9924, 9956 (3), 9996 (3), 10032 (6), 10085 (3), 10089 (6), 10090 (3), 10113 (3), 10124 (3), 10126 (3), 10130 (3), 10132 (3), 10151 (6), 10157 (6), 10165 (3), 10166 (3), 10206 (3) |
| 10581                               | $2^3$     | 8     | 3742200 | 10685, 10684, 10703 (2), 10698 (2), 10711 | 9376 (2), 9452 (2), 9472 (2), 9473 (2), 9816, 9839, 9854, 9890, 9906, 9907, 9931, 9951, 9952, 9953, 9954, 10060, 10066, 10162, 10183  |
| 10582                               | $2^3$     | 8     | 1871100 | 10699, 10707, 10689 (2), 10712 (2), 10704 | 9384 (4), 9385 (4), 9840, 9886 (2), 9887 (2), 9911, 9912, 9914 (2), 9915 (2), 10085, 10091, 10092 (2), 10093 (2), 10186, 10187, 10208 (2), 10209 (2)  |
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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 10583                               | $2^3$        | 8     | 3742200 | 10680, 10712, 10686, 10708, 10691, 10698, 10703 | 9386 (4), 9387 (4), 9405 (2), 9457 (2), 9816 (2), 9841, 9842, 9907 (2), 9915 (2), 10118 (2), 10179   |
| 10584                               | $2^3$        | 8     | 1871100 | 10698 (2), 10707, 10696, 10708 (2), 10711       | 9388 (4), 9389 (4), 9841, 9906 (2), 9907 (2), 9909, 9912, 9920 (2), 9921 (2), 10081 (2), 10151, 10153, 10160 (2), 10181, 10186, 10200 (2), 10209 (2) |
| 10585                               | $2 \times 4$ | 8     | 1871100 | 10707, 10674, 10675                             | 9390 (4), 9391 (4), 9844, 9909, 9911, 9916 (2), 9917 (2), 9918 (2), 9919 (2), 10131 (2), 10157, 10180, 10181, 10187, 10200 (2), 10208 (2), 10212 (2) |
| 10586                               | $2^3$        | 8     | 311850  | 10701 (4), 10706 (3)                            | 9392 (16), 9824 (12), 9910 (4), 9913 (12), 10132 (3), 10134 (6), 10136 (6)   |
| 10587                               | $D_8$        | 8     | 1871100 | 10711, 10704, 10675                             | 9393 (4), 9394 (4), 9859, 9883 (2), 9909, 9911, 9952 (2), 9954 (2), 9955 (2), 10061, 10071, 10137 (2), 10161, 10186, 10200 (2), 10208 (2), 10210 (2) |
| 10588                               | $D_8$        | 8     | 1871100 | 10711, 10674, 10699                             | 9398 (4), 9399 (4), 9855, 9890 (2), 9891 (2), 9911, 9912, 9936 (2), 9951 (2), 10147 (2), 10161, 10172, 10173, 10181, 10201 (2), 10208 (2), 10209 (2) |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 10589                               | $2^3$     | 8     | 3742200 | 10701, 10694, 10709 (2), 10698 (2), 10703       | 9401 (4), 9780 (2), 9839, 9907 (2), 9910, 10038 (2), 10066 (2), 10191  |
| 10590                               | $2^3$     | 8     | 3742200 | 10702, 10694, 10710, 10712, 10698, 10708, 10709 | 9404 (2), 9456 (2), 9842, 9907 (2), 9914 (2), 10153, 10179, 10191 (2), 10237 (2)   |
| 10591                               | $2^3$     | 8     | 7484400 | 10709, 10708, 10703, 10688, 10712, 10698, 10690 | 9409 (2), 9458 (2), 9845, 9914, 9915, 10118, 10160, 10182, 10237   |
| 10592                               | $D_8$     | 8     | 3742200 | 10706, 10679, 10690                             | 9428 (4), 9922, 9925, 9926, 9935, 9946, 10017, 10068, 10099, 10120, 10122, 10123, 10199, 10226, 10229, 10235   |
| 10593                               | $2^3$     | 8     | 1247400 | 10702 (3), 10701, 10694 (3)                     | 9430 (4), 9485 (6), 9780 (6), 9830 (6), 9860 (3), 9910, 10191 (3)  |
| 10594                               | $2^3$     | 8     | 311850  | 10694 (6), 10706                                | 9431 (16), 9904, 9925 (12), 9926 (12), 10070 (6), 10108 (6), 10196 (6)   |
| 10595                               | $2^3$     | 8     | 311850  | 10707 (3), 10689 (3), 10705                     | 9444 (4), 9783, 9825 (6), 9866 (6), 9928, 9933 (6), 9934, 9937 (6), 9938, 9939 (6), 9940, 9941 (6), 9942, 9943 (6), 9944 (6), 9945, 10081 (3), 10084 (3), 10085 (3), 10087 (3), 10092 (3), 10115 (3), 10128 (3), 10131 (3) |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                            | Minimal Overgroups  |
| 10596                               | $2^3$        | 8     | 3742200 | 10698 (2), 10690 (2),<br>10684, 10687, 10699 | 9462 (2), 9463 (2),<br>9512 (2), 9847, 9888,<br>9889, 9914, 9915,<br>9936, 9951, 9959,<br>9970, 9973, 9974,<br>10160, 10182, 10183,<br>10184  |
| 10597                               | $D_8$        | 8     | 3742200 | 10685, 10675, 10687                          | 9464 (2), 9465 (2),<br>9514 (2), 9849, 9879,<br>9884, 9888, 9916,<br>9917, 9954, 9955,<br>9973, 9981, 9982,<br>10060, 10073, 10156,<br>10190  |
| 10598                               | $D_8$        | 8     | 3742200 | 10711, 10672, 10687                          | 9497 (2), 9498 (2),<br>9499 (2), 9501 (2),<br>9821, 9861, 9864,<br>9883, 9891, 9920,<br>9921, 9931, 9936,<br>9953, 9955, 10060,<br>10072, 10159, 10183  |
| 10599                               | $2 \times 4$ | 8     | 311850  | 10678 (2), 10705                             | 9503 (4), 9892, 9958<br>(6), 9960 (6), 9962<br>(2), 9975 (2), 9988<br>(12), 9991 (12),<br>10087 (3), 10088 (3),<br>10194 (6), 10231 (6)   |
| 10600                               | $2^3$        | 8     | 155925  | 10699 (4), 10693,<br>10705 (2)               | 9504 (4), 9878, 9892<br>(2), 9959 (6), 9961<br>(12), 9962 (2), 9963<br>(12), 9964 (6), 9965<br>(6), 9966 (12), 9967<br>(12), 9968, 9969,<br>9970 (6), 9971 (2),<br>9972 (2), 10085 (3),<br>10086 (6), 10091 (3),<br>10167 (6), 10170 (3),<br>10171 (3), 10172 (6),<br>10173 (6) |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 10601                               | $D_8$        | 8     | 3742200 | 10694, 10690, 10678            | 9506 (2), 9870, 9925, 9927, 9960, 9979, 9987, 9988, 9992, 10053, 10054, 10079, 10123, 10196, 10225, 10243  |
| 10602                               | $2^3$        | 8     | 1871100 | 10698 (4), 10694, 10690, 10705 | 9507 (2), 9908, 9926 (2), 9927 (2), 9959, 9960, 9970 (2), 9987 (2), 9991 (2), 10081, 10117, 10118, 10121 (2), 10127, 10237 (2), 10239 (2)  |
| 10603                               | $2 \times 4$ | 8     | 1871100 | 10679 (2), 10705               | 9508 (2), 9908, 9958, 9961, 9963 (2), 9989 (2), 9990 (2), 9991 (2), 10119, 10120, 10127, 10128, 10233 (2), 10234 (2), 10235 (2), 10239 (2)   |
| 10604                               | $D_8$        | 8     | 623700  | 10696, 10675, 10699            | 9513 (4), 9880, 9971, 9972, 9973 (6), 9974 (6), 9980 (6), 9981 (6), 10161 (3), 10181 (3), 10186 (3), 10187 (3)   |
| 10605                               | $D_8$        | 8     | 1871100 | 10703 (2), 10678               | 9661, 9831 (2), 9948, 10011 (2), 10014 (2), 10015, 10023, 10027 (2), 10028 (2), 10037, 10038 (2), 10078, 10149, 10155 (2), 10197 (2)   |
| 10606                               | $2 \times 4$ | 8     | 935550  | 10706, 10678, 10676            | 9824 (2), 10005 (2), 10009 (2), 10010, 10012 (2), 10013 (2), 10016 (2), 10017 (2), 10036 (2), 10037 (2), 10090, 10136 (2), 10195, 10196 (2), 10197 (2), 10198 (2), 10199 (2), 10207 (2), 10228 (2), 10231 (2), 10232 (2) |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups           | Minimal Overgroups   |
| 10607                               | $2 \times 4$ | 8     | 935550  | 10678, 10676, 10707         | 9825 (2), 9866, 9957, 10006, 10020 (2), 10021 (2), 10022 (2), 10023 (2), 10024 (2), 10025 (2), 10026 (2), 10028 (2), 10029, 10030 (2), 10047, 10048, 10049, 10050, 10079 (2), 10080, 10082 (2), 10083, 10087 (2), 10090, 10110 (2), 10125 (2), 10129 (2), 10133, 10164, 10207, 10224 |
| 10608                               | $2^3$        | 8     | 1871100 | 10688 (4), 10690 (2), 10689 | 9871 (2), 9923 (4), 9940, 10051, 10052 (2), 10053 (2), 10054 (2), 10099, 10121 (2), 10122 (2)  |
| 10609                               | $D_8$        | 8     | 1871100 | 10690 (2), 10676            | 9872 (2), 9946 (2), 10047, 10052 (2), 10053 (2), 10117 (2), 10199, 10227 (4), 10241, 10243 (2)   |
| 10610                               | $D_8$        | 8     | 935550  | 10711, 10699, 10675         | 9877 (2), 9998, 9999 (2), 10039 (2), 10055 (4), 10057 (2), 10058, 10060 (4), 10061 (2), 10145, 10172 (2), 10181 (2), 10183 (4), 10186 (2), 10208 (4)   |
| 10611                               | $2^3$        | 8     | 467775  | 10706 (2), 10685 (4), 10693 | 9881 (2), 9956, 9995 (2), 10031 (2), 10035 (4), 10062, 10063 (2), 10064 (4), 10065 (2), 10067 (2), 10068 (2), 10069 (2), 10070 (2), 10132 (2), 10152 (2), 10156 (4), 10162 (2), 10163 (4), 10168 (4), 10169 (4), 10170, 10205 (2), 10213 (2), 10228 (4), 10229 (4)                   |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups                               | Minimal Overgroups   |
| 10612                               | $2^3$     | 8     | 935550  | 10684 (2), 10709 (2),<br>10693, 10696, 10711    | 9885 (2), 9947, 9997,<br>9998, 10001 (2),<br>10033, 10034, 10040<br>(2), 10043 (2), 10055<br>(2), 10058, 10066<br>(2), 10069, 10071,<br>10072 (2), 10074,<br>10075 (2), 10076,<br>10124, 10151 (2),<br>10153, 10154, 10158<br>(2), 10159 (2), 10160<br>(2), 10161 (2), 10162<br>(2), 10173, 10192,<br>10211 (2), 10217 (2) |
| 10613                               | $2^3$     | 8     | 1871100 | 10709 (2), 10696,<br>10694 (2), 10684,<br>10685 | 9885, 10000, 10001<br>(2), 10002, 10041,<br>10042 (2), 10044,<br>10056, 10066 (2),<br>10069, 10070 (2),<br>10073 (2), 10177 (2),<br>10184 (2), 10191 (2)   |
| 10614                               | $2^3$     | 8     | 935550  | 10704 (2), 10700 (2),<br>10707, 10689 (2)       | 9901, 9903 (2), 9928,<br>9937 (2), 9938 (2),<br>10029 (2), 10030 (2),<br>10092, 10093 (4),<br>10094 (2), 10095 (2),<br>10096 (2), 10097 (2),<br>10100 (2), 10103,<br>10107 (2), 10110 (2),<br>10111, 10112, 10137,<br>10200 (4)  |
| 10615                               | $2^3$     | 8     | 935550  | 10705, 10712 (4),<br>10706, 10689               | 9902 (2), 9929, 9930<br>(2), 10085, 10088,<br>10091 (2), 10092 (2),<br>10098 (2), 10099 (2),<br>10106 (2), 10108 (2),<br>10109 (2), 10114 (2),<br>10116 (2), 10118 (2),<br>10120 (2), 10134 (2),<br>10194 (2), 10228 (2),<br>10233 (2), 10237 (2)  |
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| Nr.                                 | Structure    | Order | Length | Maximal Subgroups                      | Minimal Overgroups   |
| 10616                               | $2 \times 4$ | 8     | 935550 | 10707, 10676 (2)                       | 9903 (2), 9937 (2), 9944 (2), 10006, 10030 (2), 10101, 10102 (2), 10104 (2), 10105 (2), 10115 (2), 10133 (2), 10138 (2), 10139 (2), 10140 (2), 10141, 10142, 10174 (4), 10175 (4), 10206, 10207, 10223 |
| 10617                               | $2^3$        | 8     | 467775 | 10696 (2), 10710 (2), 10694 (2), 10707 | 9904 (2), 9933 (4), 10002 (4), 10004, 10045 (4), 10079 (4), 10080 (2), 10081 (2), 10100 (4), 10101 (2), 10102 (4), 10103 (2), 10124, 10143, 10153 (4), 10178 (2), 10187 (4), 10189 (4), 10191 (4)      |
| 10618                               | $2 \times 4$ | 8     | 935550 | 10707, 10673 (2)                       | 9905 (2), 9924, 9941 (2), 9943 (2), 10008, 10049, 10082 (2), 10083 (2), 10084 (2), 10094 (2), 10095 (2), 10100 (2), 10101, 10104 (2), 10105 (2), 10141, 10146 (2), 10202, 10221 (4), 10222 (4), 10224  |
| 10619                               | $2 \times 4$ | 8     | 935550 | 10674 (2), 10707                       | 9905 (2), 9941 (2), 9942 (2), 9945, 10007, 10050 (2), 10082 (2), 10096 (2), 10097 (2), 10102 (2), 10103, 10112, 10113, 10129 (2), 10131, 10139 (2), 10140 (2), 10144 (2), 10147, 10209 (4), 10212 (4)  |
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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                            | Minimal Overgroups  |
| 10620                               | $2^3$        | 8     | 935550  | 10686 (2), 10709 (2),<br>10694, 10680, 10706 | 9910 (4), 9935 (4),<br>10036 (2), 10069 (4),<br>10070 (2), 10118 (2),<br>10123 (4), 10124,<br>10179 (4)   |
| 10621                               | $2^3$        | 8     | 1871100 | 10709 (2), 10698 (2),<br>10702, 10703, 10706 | 9910 (2), 9913 (2),<br>10037 (2), 10151,<br>10162 (2), 10179 (2),<br>10182 (2), 10237 (2),<br>10238 (2), 10244 (2)  |
| 10622                               | $2 \times 4$ | 8     | 935550  | 10706, 10679 (2)                             | 9913 (4), 10036 (2),<br>10108 (2), 10109 (4),<br>10166, 10226 (4),<br>10229 (2), 10235 (4),<br>10238 (4)  |
| 10623                               | $2^3$        | 8     | 935550  | 10707, 10688 (2),<br>10711 (2), 10690 (2)    | 9922 (2), 9934, 9939<br>(2), 9940 (2), 10007,<br>10047 (2), 10079 (2),<br>10081, 10095 (2),<br>10097 (2), 10104 (2),<br>10111, 10125 (2),<br>10126, 10137, 10138<br>(2), 10140 (2), 10146<br>(2), 10147, 10160 (4),<br>10208 (4)  |
| 10624                               | $2 \times 4$ | 8     | 935550  | 10679 (2), 10707                             | 9922 (2), 9933 (2),<br>9939 (2), 10008,<br>10048, 10080, 10094<br>(2), 10096 (2), 10105<br>(2), 10107 (2), 10125<br>(2), 10128 (2), 10139<br>(2), 10142, 10144<br>(2), 10164 (2),<br>10166, 10202, 10219<br>(4), 10220 (4), 10223 |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                      | Minimal Overgroups   |
| 10625                               | $D_8$        | 8     | 7484400 | 10688, 10673, 10712                    | 9923 (2), 10146, 10221 (2)   |
| 10626                               | $2 \times 4$ | 8     | 935550  | 10676 (2), 10705                       | 9929, 10086, 10087, 10106 (4), 10114 (2), 10115 (2), 10117 (2), 10119 (2), 10135 (4), 10167 (2), 10194 (2), 10195 (2), 10230 (2), 10236 (4), 10239 (4)   |
| 10627                               | $2 \times 4$ | 8     | 467775  | 10675 (2), 10707                       | 9943 (4), 10003 (4), 10004, 10046 (4), 10107 (4), 10129 (4), 10130, 10131 (2), 10137 (2), 10138 (4), 10145, 10165 (2), 10178 (2), 10180 (4), 10186 (4), 10188 (4), 10190 (4), 10223 (2), 10224 (2) |
| 10628                               | $2^3$        | 8     | 467775  | 10699 (2), 10712 (2), 10706 (2), 10707 | 9944 (4), 9994 (4), 9996, 10091 (4), 10092 (2), 10110 (4), 10132 (2), 10143, 10144 (4), 10145, 10146 (4), 10147 (2), 10176 (4), 10178 (2), 10179 (4), 10181 (4), 10182 (4), 10202 (2), 10207 (2)   |
| 10629                               | $2^3$        | 8     | 935550  | 10703 (4), 10706, 10690 (2)            | 9946 (4), 10118 (2), 10122 (4), 10126, 10182 (4), 10196 (2), 10197 (4), 10229 (2), 10244 (4)   |
| 10630                               | $D_8$        | 8     | 1871100 | 10711, 10704, 10674                    | 10007, 10097 (4), 10111, 10112, 10200 (2), 10201 (2), 10208 (2), 10209 (2), 10210 (2), 10211 (2)   |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups | Minimal Overgroups  |
| 10631                               | $D_8$        | 8     | 3742200 | 10703 (2), 10676  | 10028, 10175 (2), 10197, 10216, 10227 (2), 10240 (2), 10244 (2)   |
| 10632                               | $2 \times 4$ | 8     | 935550  | 10706, 10676 (2)  | 10134 (2), 10135 (4), 10168 (4), 10169 (2), 10206, 10207 (2), 10238 (4), 10242 (4), 10244 (4)   |
| 10633                               | 7            | 7     | 95040   | 10723             | 7170 (10), 8081 (6), 9522, 9523 (10), 9524 (20), 10247 (10), 10248 (10), 10249 (15), 10250 (15), 10251  |
| 10634                               | $S_3$        | 6     | 2494800 | 10713, 10718 (3)  | 7109 (4), 9084 (4), 9132 (2), 9302 (4), 9308, 9585, 9610 (4), 9611 (4), 9620 (8), 9622 (8), 10254 (2), 10261 (2), 10263, 10264, 10265, 10266 (2), 10324, 10325, 10372, 10373, 10375 (2), 10378 (2), 10379 (2), 10390 (2), 10394 (2) |
| 10635                               | $S_3$        | 6     | 6652800 | 10715, 10718 (3)  | 7110 (6), 9125 (3), 9134 (3), 9445 (3), 9591, 9610 (3), 9620, 9622 (6), 9628 (2), 9629, 10253 (3), 10339, 10340 (3)   |
| 10636                               | $S_3$        | 6     | 3326400 | 10716, 10718 (3)  | 7111 (6), 9120 (6), 9133 (3), 9568 (4), 9591 (4), 9611 (3), 9622 (6), 10262 (3), 10337 (6)  |
| 10637                               | $S_3$        | 6     | 1108800 | 10716, 10722 (3)  | 7112 (18), 9257 (18), 9260 (9), 9420 (6), 9566 (2), 9603, 9617 (2), 10252 (6), 10262 (9), 10368 (6)   |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups  |
| 10638                               | $S_3$     | 6     | 2217600 | 10715, 10718 (3)  | 7113 (9), 9119 (3),<br>9137 (9), 9419 (3),<br>9564 (2), 9589, 9598,<br>9616, 9626 (2), 9627,<br>10253 (9), 10280 (3),<br>10281 (3)  |
| 10639                               | $S_3$     | 6     | 7920    | 10714, 10720 (3)  | 7127, 7822 (120),<br>9072 (126), 9135<br>(7), 9573 (140), 9575<br>(35), 9584 (7), 10267<br>(21), 10268 (105),<br>10269 (105), 10270,<br>10273 (21), 10275<br>(105), 10277 (105)                             |
| 10640                               | $S_3$     | 6     | 55440   | 10713, 10720 (3)  | 7130, 9071 (36),<br>9136, 9245 (12),<br>9259 (30), 9574 (20),<br>9576 (20), 9584,<br>10263 (45), 10271<br>(15), 10272, 10274<br>(15), 10276 (45),<br>10278 (15), 10279<br>(15)                              |
| 10641                               | 6         | 6     | 831600  | 10713, 10718      | 7817 (8), 9185 (2),<br>9246 (2), 9442, 9572,<br>9577 (4), 9578 (4),<br>9616 (8), 10254 (6),<br>10271, 10294 (6),<br>10295, 10296 (6),<br>10341, 10344 (3),<br>10370 (6), 10372 (3),<br>10380 (3), 10381 (3) |
| 10642                               | 6         | 6     | 55440   | 10713, 10721      | 7818 (12), 9074 (36),<br>9310, 9579 (20),<br>9588, 9608 (20),<br>10255 (15), 10272,<br>10295 (15), 10297<br>(45), 10325 (45),<br>10385 (15), 10387<br>(15)  |

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|-------------------------------------|-----------|-------|---------|-------------------|---|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups  |
| 10643                               | 6         | 6     | 2494800 | 10713, 10717      | 7819 (4), 9073 (4), 9264 (4), 9309, 9567, 9570 (8), 9580 (4), 9614 (4), 9625 (8), 10256, 10266 (2), 10276, 10296 (2), 10297, 10299 (2), 10324, 10345, 10347, 10369 (2), 10377 (2), 10379 (2), 10380, 10391 (2), 10393 (2) |
| 10644                               | 6         | 6     | 207900  | 10714, 10718      | 7820 (32), 9086 (12), 9516, 9578 (16), 9589 (32), 9597 (16), 9630 (4), 10268 (4), 10292 (6), 10293 (6), 10300, 10309 (4), 10321 (3), 10332 (3), 10333 (12), 10336 (12), 10382 (12), 10383 (12), 10388 (6), 10396 (6)      |
| 10645                               | 6         | 6     | 6652800 | 10715, 10718      | 7821 (2), 9123 (6), 9124, 9203 (6), 9228 (2), 9248 (2), 9332, 9392 (3), 9568 (6), 9569, 9578, 9590, 9626 (2), 9629 (3), 10253 (3), 10308, 10338 (3)   |
| 10646                               | 6         | 6     | 277200  | 10713, 10719      | 7823 (24), 9261 (36), 9276 (3), 9425 (8), 9581 (4), 9582 (4), 9602, 9621 (8), 10264 (9), 10274 (3), 10295 (3), 10296 (18), 10302 (6), 10342 (6), 10345 (9), 10346 (3), 10350, 10362 (3), 10375 (18)                       |
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|-------------------------------------|-----------|-------|--------|-------------------|--|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups   |
| 10647                               | 6         | 6     | 831600 | 10713, 10720      | 7824 (12), 9075 (4), 9278 (3), 9287 (4), 9444 (6), 9573 (4), 9576 (4), 9583, 10263 (3), 10285, 10286, 10288 (3), 10289 (3), 10294 (3), 10297 (3), 10298 (3), 10299 (3), 10301, 10302, 10303, 10318, 10319, 10320 (3), 10343, 10344 (3), 10349, 10352, 10353, 10356, 10358, 10362, 10364, 10374 (3), 10376 (3), 10377 (3), 10378 (3), 10384 (3), 10394 (3), 10395 (3) |
| 10648                               | $S_3$     | 6     | 220    | 10714, 10719 (3)  | 7825 (4320), 9080 (756), 9251 (9), 9581 (1680), 9587 (84), 9593 (1120), 10270 (36), 10300 (945), 10306 (1260), 10315 (378)   |
| 10649                               | $S_3$     | 6     | 277200 | 10714, 10718 (3)  | 7826 (24), 9081 (18), 9252 (3), 9577 (4), 9585 (9), 9590 (8), 9591 (24), 9598 (4), 9610 (36), 9630, 10268 (3), 10275 (3), 10306, 10307 (3), 10323 (3), 10328 (9), 10331 (9), 10354 (6), 10361 (6), 10382 (18), 10389 (18)  |
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|-------------------------------------|-----------|-------|---------|-------------------|---|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups  |
| 10650                               | 6         | 6     | 277200  | 10714, 10721      | 7827 (24), 9082 (18), 9253 (3), 9579 (4), 9586 (9), 9594 (8), 9595 (24), 9599 (4), 9612 (36), 9632, 10269 (3), 10277 (3), 10306, 10309 (3), 10317 (3), 10329 (9), 10331 (9), 10355 (6), 10361 (6), 10383 (18), 10389 (18) |
| 10651                               | 6         | 6     | 2217600 | 10715, 10721      | 7828 (6), 9128, 9254 (3), 9430 (9), 9579, 9594, 9619, 9623 (2), 9637 (3), 10280 (3), 10308 (3), 10340 (9)   |
| 10652                               | $S_3$     | 6     | 207900  | 10714, 10717 (3)  | 7829 (32), 9087 (12), 9517, 9580 (16), 9592 (32), 9600 (16), 9631 (4), 10269 (4), 10300, 10307 (4), 10322 (6), 10334 (12), 10336 (12), 10389 (24), 10396 (12)   |
| 10653                               | 6         | 6     | 739200  | 10715, 10719      | 7830 (18), 9127 (9), 9289 (27), 9423 (3), 9582 (3), 9593, 9621, 9635 (6), 9636 (3), 10281 (9), 10308 (9), 10339 (9)   |
| 10654                               | 6         | 6     | 7920    | 10714, 10719      | 7831 (120), 9083 (126), 9275 (7), 9582 (140), 9587 (7), 9602 (35), 10270, 10273 (21), 10307 (105), 10309 (105), 10317 (105), 10323 (105), 10330 (21)  |

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| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups  |
| 10655                               | 6         | 6     | 83160  | 10714, 10720      | 9076 (10), 9085 (6), 9277 (5), 9574 (40), 9575 (10), 9583 (10), 10267, 10275 (10), 10282 (15), 10283 (15), 10284 (10), 10287 (10), 10313, 10315, 10316, 10317 (10), 10321 (15), 10322 (15), 10326, 10328 (15), 10329 (15), 10330, 10333 (15), 10334 (15), 10335, 10354 (10), 10355 (10), 10357 (10), 10363 (10) |
| 10656                               | $S_3$     | 6     | 83160  | 10714, 10721 (3)  | 9077 (10), 9088 (6), 9280 (5), 9586 (10), 9601 (10), 9606 (40), 10273 (2), 10277 (10), 10315, 10322 (15), 10323 (10), 10331 (30), 10332 (15), 10335 (2), 10336 (30), 10361 (20), 10363 (20)   |
| 10657                               | $S_3$     | 6     | 831600 | 10713, 10717 (3)  | 9078 (4), 9263 (12), 9279 (3), 9567, 9600 (4), 9607 (4), 10266 (6), 10276 (3), 10319, 10325 (3), 10342 (2), 10346, 10348 (3), 10351, 10352 (2), 10360 (2), 10364 (2), 10370 (6), 10379 (6), 10381 (3), 10392 (6)  |
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|-------------------------------------|-----------|-------|---------|-------------------|---|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups  |
| 10658                               | $S_3$     | 6     | 18480   | 10713, 10721 (3)  | 9079 (36), 9274 (3), 9588, 9599 (20), 9604 (20), 9618 (40), 9619 (40), 10272 (3), 10319 (45), 10324 (135), 10341 (45), 10350 (15), 10359 (15), 10386 (45)                     |
| 10659                               | $S_3$     | 6     | 6652800 | 10716, 10717 (3)  | 9112 (6), 9121 (3), 9427, 9428 (3), 9592 (2), 9596 (6), 9607, 9615, 9625, 10337 (3), 10367 (3), 10368   |
| 10660                               | 6         | 6     | 2217600 | 10716, 10721      | 9122, 9431 (9), 9432 (3), 9571 (6), 9594 (2), 9608, 9618, 9623, 10337 (9), 10366 (3), 10368 (3)   |
| 10661                               | $S_3$     | 6     | 6652800 | 10715, 10717 (3)  | 9126 (3), 9130 (6), 9378 (6), 9379, 9421 (3), 9563 (4), 9570, 9592, 9596 (2), 9600, 9615 (2), 9633, 9634 (2), 10281, 10338 (3), 10340 (3)                                     |
| 10662                               | $S_3$     | 6     | 2217600 | 10715, 10721 (3)  | 9129 (3), 9131 (6), 9288 (9), 9382 (9), 9383 (18), 9571 (2), 9595, 9606 (3), 9609, 9637, 10280 (3), 10338 (9), 10339 (3)  |
| 10663                               | $S_3$     | 6     | 277200  | 10713, 10718 (3)  | 9249 (6), 9270 (3), 9569 (8), 9572, 9597 (4), 9598 (4), 10254 (18), 10255 (3), 10256 (9), 10271 (3), 10342 (6), 10343 (3), 10349 (6), 10350, 10351 (3), 10369 (18), 10373 (9) |

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|-------------------------------------|-----------|-------|---------|-------------------|--|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups   |
| 10664                               | $S_3$     | 6     | 277200  | 10713, 10722 (3)  | 9255 (18), 9284 (3), 9565, 9603 (4), 9605 (4), 9624 (8), 10261 (18), 10278 (3), 10343 (3), 10346 (3), 10347 (9), 10353 (6), 10359, 10360 (6), 10372 (9), 10387 (3), 10393 (18) |
| 10665                               | 6         | 6     | 831600  | 10713, 10722      | 9256 (6), 9518, 9565, 9605 (4), 9613 (4), 9617 (8), 10261 (6), 10278, 10344 (3), 10345 (3), 10348 (3), 10373 (3), 10376 (6), 10385, 10386, 10391 (6), 10392 (6)                |
| 10666                               | 6         | 6     | 3326400 | 10716, 10722      | 9258 (6), 9265 (6), 9373 (3), 9374 (2), 9566 (2), 9613, 9624 (2), 10252, 10262 (3), 10290, 10291 (3), 10365 (3), 10366, 10367 (3)  |
| 10667                               | $S_3$     | 6     | 831600  | 10713, 10721 (3)  | 9262 (12), 9422 (8), 9519, 9601, 9606 (4), 9609 (8), 9612 (4), 10255, 10265 (3), 10274, 10341, 10347 (3), 10348 (3), 10369 (6), 10370 (6), 10374 (6), 10375 (6), 10395 (3)     |
| 10668                               | 6         | 6     | 277200  | 10713, 10721      | 9285 (3), 9604 (4), 9608 (4), 9623 (8), 9632, 10265 (9), 10279 (3), 10351 (3), 10356 (6), 10359, 10360 (6), 10362 (3), 10380 (9), 10385 (3), 10390 (18), 10391 (18)            |

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|-------------------------------------|-----------|-------|---------|-------------------|--|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups   |
| 10669                               | $S_3$     | 6     | 831600  | 10713, 10717 (3)  | 9520, 9607 (4), 9614 (4), 9615 (8), 9631, 10256 (3), 10264 (3), 10279, 10381 (3), 10384 (6), 10386, 10387, 10390 (6), 10392 (6), 10393 (6), 10395 (3)  |
| 10670                               | 5         | 5     | 1197504 | 10723             | 5847 (5), 7178 (40), 9110, 10398 (5), 10399, 10400 (5), 10401 (5), 10402, 10403 (5), 10404   |
| 10671                               | 5         | 5     | 4752    | 10723             | 8081 (120), 9110 (126), 10245 (140), 10246 (35), 10405, 10406 (105), 10407 (105), 10408 (105), 10409 (105), 10410 (21), 10411 (21)   |
| 10672                               | 4         | 4     | 623700  | 10720             | 7896 (6), 9093 (16), 9537 (12), 9539 (4), 10282 (6), 10288 (12), 10298 (4), 10318 (4), 10435 (3), 10438, 10439, 10440, 10446 (3), 10451 (3), 10452 (3), 10465 (3), 10474 (3), 10478 (6), 10479 (6), 10483 (6), 10486 (3), 10487 (6), 10488 (3), 10493, 10495, 10513 (6), 10532 (6), 10565 (6), 10572, 10578, 10598 (6) |
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|-------------------------------------|-----------|-------|--------|-------------------|---|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups  |
| 10673                               | 4         | 4     | 623700 | 10722             | 7899 (16), 10290 (16), 10291 (16), 10441 (4), 10450 (12), 10456 (12), 10618 (3), 10625 (12)   |
| 10674                               | 4         | 4     | 155925 | 10720             | 7900 (8), 10286 (16), 10289 (16), 10437 (6), 10440 (4), 10442, 10443 (4), 10449 (12), 10454 (6), 10455 (12), 10468 (4), 10477 (4), 10479 (24), 10481 (24), 10568, 10574, 10585 (12), 10588 (12), 10619 (12), 10630 (12)   |
| 10675                               | 4         | 4     | 311850 | 10720             | 7908 (4), 9545 (8), 9546 (8), 10283 (4), 10287 (8), 10320 (24), 10436, 10445 (6), 10446 (6), 10453 (3), 10454 (3), 10464 (2), 10475 (12), 10476 (2), 10480 (12), 10488 (6), 10489 (6), 10505 (6), 10508, 10510 (2), 10513 (12), 10520, 10527 (6), 10585 (6), 10587 (6), 10597 (12), 10604 (2), 10610 (3), 10627 (3) |
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|-------------------------------------|-----------|-------|--------|-------------------|--|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups   |
| 10676                               | 4         | 4     | 935550 | 10718             | 7910 (32), 7912 (8), 7921 (32), 9527 (32), 10423 (2), 10427 (2), 10431 (4), 10434 (2), 10444 (4), 10447 (2), 10448, 10457 (4), 10459 (2), 10460 (4), 10461 (4), 10484 (2), 10485 (2), 10498 (2), 10501 (4), 10537 (2), 10553 (2), 10555 (4), 10606, 10607, 10609 (2), 10616 (2), 10626 (2), 10631 (4), 10632 (2) |
| 10677                               | 4         | 4     | 41580  | 10720             | 7930 (2), 9536 (36), 9542 (12), 10284 (20), 10285 (20), 10313 (6), 10462 (15), 10463, 10464 (15), 10465 (45), 10466 (45), 10467 (15), 10468 (15), 10503 (15), 10504, 10505 (45), 10516, 10523 (45), 10572 (15), 10576 (15), 10577 (15)   |
| 10678                               | 4         | 4     | 311850 | 10718             | 7950 (16), 9526 (96), 9550 (16), 10292 (4), 10425 (12), 10426 (3), 10427 (3), 10428 (6), 10429 (6), 10430 (6), 10458, 10469 (12), 10470 (2), 10471 (2), 10472 (6), 10498 (6), 10499 (12), 10509, 10515 (6), 10552, 10557 (2), 10558 (6), 10599 (2), 10601 (12), 10605 (6), 10606 (3), 10607 (3)                  |
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|-------------------------------------|-----------|-------|---------|---------------------|--|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 10679                               | 4         | 4     | 1871100 | 10718               | 7977 (4), 8067 (8), 9530 (16), 9531 (16), 9538 (8), 10293 (2), 10424 (2), 10430 (2), 10432 (2), 10433 (2), 10434 (2), 10472, 10473, 10482 (4), 10484, 10485, 10490 (4), 10499 (2), 10501 (2), 10502 (2), 10515, 10560 (2), 10561 (2), 10592 (2), 10603 (2), 10622, 10624 |
| 10680                               | $2^2$     | 4     | 311850  | 10718, 10719, 10717 | 9089 (64), 9532 (96), 9551 (24), 10264 (24), 10281 (64), 10296 (16), 10300 (2), 10307 (8), 10342 (16), 10472 (6), 10484 (6), 10494 (4), 10500 (6), 10514 (3), 10525 (12), 10529 (12), 10530 (12), 10559 (6), 10567, 10570 (4), 10583 (12), 10620 (3)                     |
| 10681                               | $2^2$     | 4     | 495     | 10720 (3)           | 9090 (960), 9559 (336), 10301 (560), 10304 (1120), 10305, 10326 (56), 10327 (112), 10492 (3), 10495 (1260), 10496 (420), 10506 (210), 10516 (84), 10520 (630), 10522 (28), 10566 (105), 10574 (315)  |
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|-------------------------------------|-----------|-------|--------|---------------------|--|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 10682                               | $2^2$     | 4     | 1485   | 10719 (2), 10720    | 9091 (960), 9557 (336), 10270 (16), 10302 (560), 10330 (56), 10436 (210), 10439 (420), 10442 (105), 10463 (28), 10492, 10494 (420), 10507 (210), 10518 (28), 10567 (105)   |
| 10683                               | 4         | 4     | 1485   | 10720               | 9092 (960), 9541 (16), 9547 (336), 10303 (560), 10316 (56), 10492, 10493 (420), 10497 (420), 10504 (28), 10508 (210), 10521 (28), 10526 (210), 10568 (105), 10575 (105)  |
| 10684                               | $2^2$     | 4     | 623700 | 10721, 10720, 10717 | 9094 (16), 9540 (4), 9548 (12), 10269 (4), 10279 (4), 10297 (4), 10319 (4), 10322 (6), 10395 (12), 10468, 10479 (6), 10488 (3), 10493, 10494, 10496, 10505 (3), 10511 (6), 10513 (6), 10514 (3), 10517 (3), 10524 (3), 10531 (6), 10544 (3), 10546, 10547 (6), 10548 (6), 10564, 10571, 10581 (6), 10596 (6), 10612 (3), 10613 (3) |
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|-------------------------------------|-----------|-------|--------|---------------------|--|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 10685                               | $2^2$     | 4     | 623700 | 10718 (2), 10720    | 9095 (16), 9558 (12), 10268 (4), 10294 (4), 10328 (6), 10349 (4), 10394 (12), 10467, 10477, 10478 (6), 10481 (6), 10486 (3), 10489 (3), 10494, 10495, 10497, 10512 (3), 10519 (3), 10523 (3), 10527 (3), 10528 (6), 10541 (6), 10548 (6), 10565 (6), 10569, 10570, 10581 (6), 10597 (6), 10611 (3), 10613 (3)  |
| 10686                               | $2^2$     | 4     | 207900 | 10719, 10721, 10718 | 9096 (32), 9560 (24), 10295 (4), 10306 (4), 10308 (32), 10309 (4), 10323 (12), 10339 (96), 10350 (4), 10375 (72), 10494 (6), 10507 (3), 10519 (18), 10529 (36), 10542 (6), 10571 (3), 10583 (18), 10620 (9)  |
| 10687                               | $2^2$     | 4     | 623700 | 10720, 10717 (2)    | 9097 (16), 9555 (12), 10276 (12), 10299 (4), 10334 (6), 10352 (4), 10384 (12), 10439, 10443, 10445 (3), 10452 (3), 10466 (3), 10481 (6), 10487 (6), 10489 (3), 10496, 10497, 10511 (3), 10525 (3), 10533 (6), 10539 (6), 10544 (3), 10547 (6), 10550 (3), 10551, 10573, 10576, 10596 (6), 10597 (6), 10598 (6) |
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|-------------------------------------|-----------|-------|---------|-------------------|--|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups   |
| 10688                               | $2^2$     | 4     | 1871100 | 10717 (2), 10722  | 9525 (16), 9533 (16), 10367 (16), 10392 (8), 10393 (8), 10456 (4), 10500 (2), 10533 (2), 10547 (4), 10579 (2), 10591 (4), 10608 (4), 10623, 10625 (4)  |
| 10689                               | $2^2$     | 4     | 935550  | 10718, 10722 (2)  | 9528 (32), 10261 (16), 10262 (32), 10423 (2), 10426 (2), 10432 (4), 10433 (4), 10444 (2), 10447 (4), 10450 (4), 10498 (2), 10500 (2), 10502 (2), 10534 (2), 10538, 10540 (2), 10553 (2), 10554 (2), 10555 (4), 10556 (2), 10558 (2), 10563 (4), 10579 (4), 10582 (4), 10595, 10608 (2), 10614 (2), 10615 |
| 10690                               | $2^2$     | 4     | 1871100 | 10718, 10717 (2)  | 9529 (16), 10266 (8), 10396 (2), 10424 (2), 10429 (2), 10431 (2), 10433 (2), 10499 (2), 10500, 10501 (2), 10539, 10540, 10559, 10561 (2), 10562 (2), 10591 (4), 10592 (2), 10596 (4), 10601 (2), 10602, 10608 (2), 10609 (2), 10623, 10629   |
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|-------------------------------------|-----------|-------|--------|---------------------|--|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 10691                               | $2^2$     | 4     | 62370  | 10719, 10722, 10717 | 9534 (96), 9535 (96), 10345 (40), 10346 (40), 10500 (60), 10551 (20), 10567 (5), 10571 (10), 10583 (60)  |
| 10692                               | $2^2$     | 4     | 41580  | 10720, 10719, 10721 | 9543 (12), 9549 (36), 10273 (12), 10274 (60), 10315 (6), 10317 (20), 10362 (20), 10440 (15), 10446 (45), 10464 (15), 10504, 10507 (15), 10514 (45), 10518, 10519 (45), 10522, 10525 (45), 10536 (15), 10542 (15), 10551 (15), 10570 (15), 10571 (15)   |
| 10693                               | $2^2$     | 4     | 155925 | 10720 (2), 10718    | 9544 (16), 10263 (48), 10275 (16), 10321 (4), 10423 (12), 10424 (24), 10448 (3), 10449 (6), 10451 (6), 10454 (6), 10465 (12), 10473 (6), 10475 (12), 10483 (12), 10503 (2), 10506 (2), 10507 (2), 10508 (2), 10509, 10510 (2), 10511 (12), 10512 (12), 10514 (6), 10535, 10538 (3), 10539 (6), 10541 (12), 10543 (6), 10545 (2), 10549 (6), 10550 (6), 10557 (4), 10580 (3), 10600, 10611 (3), 10612 (6) |
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|-------------------------------------|-----------|-------|--------|-------------------|--|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups   |
| 10694                               | $2^2$     | 4     | 935550 | 10721 (2), 10718  | 9552 (8), 10265 (8), 10331 (8), 10332 (2), 10431 (4), 10432 (4), 10485 (2), 10514, 10515 (2), 10519 (4), 10524 (4), 10540 (2), 10549 (2), 10560 (4), 10589 (4), 10590 (4), 10593 (4), 10594 (2), 10601 (4), 10602 (2), 10613 (4), 10617, 10620   |
| 10695                               | $2^2$     | 4     | 13860  | 10720 (3)         | 9553 (36), 10257 (40), 10258 (40), 10267 (18), 10314, 10357 (20), 10358 (20), 10435 (135), 10438 (45), 10443 (45), 10445 (135), 10462 (45), 10476 (45), 10512 (45), 10516 (3), 10517 (45), 10518, 10521 (3), 10535 (15), 10536 (15), 10564 (15), 10569 (15)  |
| 10696                               | $2^2$     | 4     | 311850 | 10720, 10721 (2)  | 9554 (8), 10277 (8), 10329 (4), 10363 (8), 10374 (24), 10437 (3), 10452 (6), 10453 (3), 10455 (6), 10466 (6), 10474 (6), 10480 (12), 10487 (12), 10507, 10517 (6), 10519 (6), 10520, 10526, 10536 (2), 10545 (2), 10548 (12), 10549 (12), 10577 (2), 10584 (6), 10604 (2), 10612 (3), 10613 (6), 10617 (3) |
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|-------------------------------------|-----------|-------|---------|---------------------|--|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 10697                               | $2^2$     | 4     | 41580   | 10720, 10721 (2)    | 9556 (36), 10272 (4), 10335 (6), 10355 (20), 10356 (20), 10463, 10474 (45), 10476 (15), 10477 (15), 10511 (45), 10521, 10522, 10524 (45), 10527 (45), 10542 (15), 10545 (15), 10546 (15), 10573 (15), 10577 (15), 10578 (15)   |
| 10698                               | $2^2$     | 4     | 3742200 | 10721, 10717, 10718 | 9561 (4), 10324 (2), 10325 (2), 10336 (2), 10337 (16), 10338 (16), 10340 (16), 10369 (4), 10370 (4), 10389 (4), 10390 (4), 10511, 10524, 10525, 10529 (2), 10548 (2), 10579 (2), 10581 (2), 10583, 10584, 10589 (2), 10590, 10591 (2), 10596 (2), 10602 (2), 10621   |
| 10699                               | $2^2$     | 4     | 311850  | 10720, 10718 (2)    | 9562 (8), 10271 (8), 10333 (4), 10354 (8), 10378 (24), 10435 (6), 10436, 10437 (3), 10462 (2), 10480 (12), 10486 (6), 10506, 10523 (6), 10524 (6), 10525 (6), 10526, 10541 (12), 10542 (2), 10543 (3), 10544 (6), 10565 (12), 10582 (6), 10588 (6), 10596 (12), 10600 (2), 10604 (2), 10610 (3), 10628 (3) |
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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups  |
| 10700                               | $2^2$     | 4     | 207900  | 10722 (3)         | 10252 (48), 10259 (8), 10260 (16), 10365 (16), 10441 (12), 10456 (36), 10534 (12), 10563 (6), 10614 (9)   |
| 10701                               | $2^2$     | 4     | 1247400 | 10718 (3)         | 10253 (48), 10254 (12), 10311 (4), 10382 (6), 10461 (6), 10469 (6), 10482 (6), 10490 (6), 10528 (3), 10529 (3), 10530, 10541 (3), 10586, 10589 (3), 10593   |
| 10702                               | $2^2$     | 4     | 623700  | 10721 (2), 10718  | 10255 (4), 10280 (32), 10341 (4), 10361 (8), 10383 (4), 10457 (6), 10471 (2), 10482 (12), 10529 (6), 10531 (3), 10542 (2), 10545, 10548 (12), 10590 (6), 10593 (6), 10621 (3)   |
| 10703                               | $2^2$     | 4     | 1871100 | 10717 (2), 10718  | 10256 (4), 10379 (8), 10381 (4), 10457 (2), 10490 (4), 10530 (2), 10531, 10533 (2), 10544 (2), 10550, 10581 (4), 10583 (2), 10589 (2), 10591 (4), 10605 (2), 10621, 10629 (2), 10631 (4)                                  |
| 10704                               | $2^2$     | 4     | 155925  | 10720, 10722 (2)  | 10278 (16), 10353 (16), 10376 (16), 10438 (4), 10442, 10453 (6), 10455 (12), 10467 (4), 10478 (24), 10538 (12), 10543 (6), 10546 (4), 10547 (24), 10551 (4), 10566, 10575, 10582 (12), 10587 (12), 10614 (12), 10630 (12) |
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| Nr.                                 | Structure | Order | Length | Maximal Subgroups   | Minimal Overgroups  |
| 10705                               | $2^2$     | 4     | 103950 | 10718 (3)           | 10310 (4), 10371 (32), 10388 (4), 10491, 10537 (18), 10552 (6), 10553 (18), 10554 (3), 10557 (6), 10559 (6), 10560 (36), 10561 (36), 10562 (6), 10595 (3), 10599 (3), 10600 (3), 10602 (18), 10603 (18), 10615 (9), 10626 (9)   |
| 10706                               | $2^2$     | 4     | 155925 | 10718 (3)           | 10312 (16), 10537 (12), 10555 (24), 10556 (2), 10558 (12), 10580, 10586 (6), 10592 (24), 10594 (2), 10606 (6), 10611 (6), 10615 (6), 10620 (6), 10621 (12), 10622 (6), 10628 (6), 10629 (6), 10632 (6)  |
| 10707                               | $2^2$     | 4     | 155925 | 10720, 10718, 10722 | 10343 (16), 10344 (16), 10528 (12), 10531 (12), 10532 (12), 10533 (12), 10543 (12), 10566, 10567, 10568, 10569 (4), 10571 (4), 10572 (4), 10573 (4), 10580 (3), 10582 (12), 10584 (12), 10585 (12), 10595 (6), 10607 (6), 10614 (6), 10616 (6), 10617 (3), 10618 (6), 10619 (6), 10623 (6), 10624 (6), 10627 (3), 10628 (3) |
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|-------------------------------------|-----------|-------|---------|---------------------|---|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 10708                               | $2^2$     | 4     | 1247400 | 10721, 10717, 10722 | 10347 (6), 10348 (6), 10360 (4), 10368 (16), 10386 (2), 10387 (2), 10391 (4), 10531 (3), 10540 (6), 10546, 10547 (6), 10551, 10573, 10579 (6), 10583 (3), 10584 (3), 10590 (3), 10591 (6)                     |
| 10709                               | $2^2$     | 4     | 623700  | 10718, 10717, 10721 | 10351 (4), 10380 (4), 10544 (6), 10570 (2), 10571, 10573 (2), 10589 (12), 10590 (6), 10591 (12), 10612 (3), 10613 (6), 10620 (3), 10621 (6)   |
| 10710                               | $2^2$     | 4     | 103950  | 10721 (2), 10722    | 10359 (8), 10366 (32), 10385 (8), 10441 (24), 10546 (12), 10571 (6), 10579 (36), 10590 (36), 10617 (9)  |
| 10711                               | $2^2$     | 4     | 155925  | 10720, 10717 (2)    | 10364 (16), 10377 (16), 10550 (12), 10564 (4), 10567, 10570 (4), 10574, 10575, 10576 (4), 10578 (4), 10581 (24), 10584 (12), 10587 (12), 10588 (12), 10598 (24), 10610 (6), 10612 (6), 10623 (12), 10630 (12) |

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| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups  |
| 10712                               | $2^2$     | 4     | 935550 | 10718 (2), 10722  | 10372 (8), 10373 (8),<br>10528 (4), 10543 (2),<br>10563 (4), 10582 (4),<br>10583 (4), 10590 (4),<br>10591 (8), 10615 (4),<br>10625 (8), 10628   |
| 10713                               | 3         | 3     | 18480  | 10723             | 9522 (36), 10245<br>(36), 10310 (90),<br>10314 (3), 10327<br>(12), 10413 (20),<br>10414, 10417 (20),<br>10418 (40), 10419<br>(40), 10634 (135),<br>10640 (3), 10641<br>(45), 10642 (3),<br>10643 (135), 10646<br>(15), 10647 (45),<br>10657 (45), 10658,<br>10663 (15), 10664<br>(15), 10665 (45),<br>10667 (45), 10668<br>(15), 10669 (45) |
| 10714                               | 3         | 3     | 220    | 10723             | 9523 (4320), 10246<br>(756), 10305 (9),<br>10413 (1680), 10414<br>(84), 10415 (1120),<br>10639 (36), 10644<br>(945), 10648, 10649<br>(1260), 10650 (1260),<br>10652 (945), 10654<br>(36), 10655 (378),<br>10656 (378)   |
| 10715                               | 3         | 3     | 246400 | 10723             | 9524 (54), 10258<br>(9), 10260 (54),<br>10304 (9), 10311<br>(81), 10371 (54),<br>10412 (12), 10413<br>(3), 10415, 10416<br>(6), 10418, 10419<br>(6), 10420 (6), 10421<br>(3), 10422 (2), 10635<br>(27), 10638 (9),<br>10645 (27), 10651<br>(9), 10653 (3), 10661<br>(27), 10662 (9)   |
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|-------------------------------------|-----------|-------|--------|-------------------|---|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups  |
| 10716                               | 3         | 3     | 123200 | 10723             | 10257 (18), 10259 (54), 10312 (81), 10415 (4), 10416 (36), 10417 (3), 10419 (6), 10636 (27), 10637 (9), 10659 (54), 10660 (18), 10666 (27)  |
| 10717                               | 2         | 2     | 62370  | 10723             | 9521 (768), 10250 (160), 10401 (96), 10402 (96), 10403 (480), 10406 (40), 10643 (40), 10652 (10), 10657 (40), 10659 (320), 10661 (320), 10669 (40), 10680 (5), 10684 (10), 10687 (20), 10688 (60), 10690 (60), 10691, 10698 (60), 10703 (60), 10708 (20), 10709 (10), 10711 (5)   |
| 10718                               | 2         | 2     | 51975  | 10723             | 10247 (128), 10398 (576), 10409 (48), 10634 (144), 10635 (384), 10636 (192), 10638 (128), 10641 (16), 10644 (4), 10645 (128), 10649 (16), 10663 (16), 10676 (18), 10678 (6), 10679 (36), 10680 (6), 10685 (24), 10686 (4), 10689 (18), 10690 (36), 10693 (3), 10694 (18), 10698 (72), 10699 (12), 10701 (72), 10702 (12), 10703 (36), 10705 (6), 10706 (9), 10707 (3), 10709 (12), 10712 (36) |
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|-------------------------------------|-----------|-------|--------|-------------------|---|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups  |
| 10719                               | 2         | 2     | 66     | 10723             | 10248 (14400),<br>10404 (18144),<br>10411 (1512), 10646<br>(4200), 10648 (10),<br>10653 (11200), 10654<br>(120), 10680 (4725),<br>10682 (45), 10686<br>(3150), 10691 (945),<br>10692 (630)  |
| 10720                               | 2         | 2     | 1485   | 10723             | 10249 (960), 10405<br>(16), 10408 (336),<br>10639 (16), 10640<br>(112), 10647 (560),<br>10655 (56), 10672<br>(420), 10674 (105),<br>10675 (210), 10677<br>(28), 10681, 10682,<br>10683, 10684 (420),<br>10685 (420), 10687<br>(420), 10692 (28),<br>10693 (210), 10695<br>(28), 10696 (210),<br>10697 (28), 10699<br>(210), 10704 (105),<br>10707 (105), 10711<br>(105) |
| 10721                               | 2         | 2     | 13860  | 10723             | 10251 (48), 10407<br>(36), 10410 (36),<br>10642 (4), 10650<br>(20), 10651 (160),<br>10656 (18), 10658<br>(4), 10660 (160),<br>10662 (480), 10667<br>(180), 10668 (20),<br>10684 (45), 10686<br>(15), 10692 (3),<br>10694 (135), 10696<br>(45), 10697 (6),<br>10698 (270), 10702<br>(90), 10708 (90),<br>10709 (45), 10710<br>(15)                                       |
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| <i>continued from previous page</i> |           |       |        |                   |   |
|-------------------------------------|-----------|-------|--------|-------------------|---|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups  |
| 10722                               | 2         | 2     | 10395  | 10723             | 10399 (576), 10400 (576), 10637 (320), 10664 (80), 10665 (80), 10666 (320), 10673 (60), 10688 (180), 10689 (180), 10691 (6), 10700 (60), 10704 (30), 10707 (15), 10708 (120), 10710 (10), 10712 (90)            |
| 10723                               | 1         | 1     | 1      |                   | 10397 (4354560), 10633 (95040), 10670 (1197504), 10671 (4752), 10713 (18480), 10714 (220), 10715 (246400), 10716 (123200), 10717 (62370), 10718 (51975), 10719 (66), 10720 (1485), 10721 (13860), 10722 (10395) |

TABLE 1. Subgroup lattice of  $S_{12}$ 

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