

# THE SUBGROUP LATTICE OF $A_{12}$

THOMAS CONNOR AND DIMITRI LEEMANS

| Nr. | Structure                | Order     | Length | Maximal Subgroups  | Minimal Overgroups |
|-----|--------------------------|-----------|--------|--|--------------------|
| 1   | $A_{12}$                 | 239500800 | 1      | 2 (12), 3 (66), 5 (220), 7 (462), 8 (495), 10 (792), 20 (2520), 21 (2520), 30 (5775), 38 (10395), 47 (15400) |                    |
| 2   | $A_{11}$                 | 19958400  | 12     | 4 (11), 9 (55), 19 (165), 25 (330), 28 (462), 73 (2520), 74 (2520)   | 1                  |
| 3   | $S_{10}$                 | 3628800   | 66     | 4, 9 (10), 22 (45), 33 (120), 35 (126), 44 (210), 116 (945), 205 (2520)                                      | 1                  |
| 4   | $A_{10}$                 | 1814400   | 66     | 15 (10), 31 (45), 48 (120), 51 (126), 66 (210), 184 (945), 346 (2520)  | 2 (2), 3           |
| 5   | $A_9 : S_3$              | 1088640   | 220    | 6, 9 (3), 19 (9), 33 (36), 56 (84), 67 (126), 113 (280), 240 (840)   | 1                  |
| 6   | $A_9 \times 3$           | 544320    | 220    | 15, 26 (9), 49 (36), 90 (84), 101 (240), 102 (126), 178 (280), 396 (840)                                     | 5                  |
| 7   | $A_6 \times A_6 : 2 : 2$ | 518400    | 462    | 11, 12, 13, 52 (36), 53 (36), 95 (100), 150 (225), 151 (225), 206 (360), 207 (360), 208 (360), 209 (360)     | 1                  |

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| Nr.                                 | Structure                     | Order  | Length | Maximal Subgroups   | Minimal Overgroups |
| 8                                   | $A_8 \times 2 \times 2 : S_3$ | 483840 | 495    | 14, 16 (3), 19 (4), 25 (8), 44 (28), 55 (35), 67 (56), 99 (105), 111 (120)                        | 1                  |
| 9                                   | $S_9$                         | 362880 | 660    | 15, 31 (9), 62 (36), 103 (84), 127 (126), 241 (280), 502 (840)                                    | 2, 3, 5            |
| 10                                  | $A_5 : S_7$                   | 302400 | 792    | 17, 25 (5), 27 (6), 28 (7), 33 (10), 54 (21), 67 (35), 147 (120)                                  | 1                  |
| 11                                  | $A_6 \times A_6 : 2$          | 259200 | 462    | 18, 79 (36), 80 (36), 140 (100), 261 (225), 262 (225), 347 (360), 348 (360), 349 (360), 350 (360) | 7                  |
| 12                                  | $A_6 \times A_6 : 2$          | 259200 | 462    | 18, 28 (12), 29 (12), 36 (20), 45 (30), 44 (30), 351 (360), 352 (360), 353 (360), 354 (360)       | 7                  |
| 13                                  | $A_6 \times A_6 : 2$          | 259200 | 462    | 18, 79 (36), 81 (36), 141 (100), 263 (225), 264 (225), 355 (360), 356 (360), 357 (360), 358 (360) | 7                  |
| 14                                  | $A_8 \times 2 \times 2 : 3$   | 241920 | 495    | 23, 26 (4), 34 (8), 46 (30), 68 (28), 87 (35), 104 (56)   | 8                  |
| 15                                  | $A_9$                         | 181440 | 220    | 42 (9), 97 (36), 162 (84), 201 (240), 210 (126), 397 (280), 738 (840)                             | 4 (3), 6, 9 (3)    |
| 16                                  | $A_8 \times 2 \times 2 : 2$   | 161280 | 1485   | 23, 24, 22, 43 (8), 93 (28), 100 (35), 128 (56), 198 (105), 238 (120)                             | 8                  |
| 17                                  | $A_7 \times A_5$              | 151200 | 792    | 34 (5), 37 (6), 39 (7), 50 (10), 63 (30), 82 (21), 105 (35)                                       | 10                 |
| 18                                  | $A_6 \times A_6$              | 129600 | 462    | 39 (12), 40 (12), 57 (20), 69 (30), 70 (30), 579 (360), 580 (360), 581 (360), 582 (360)           | 11, 12, 13         |

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| Nr.                                 | Structure                     | Order  | Length | Maximal Subgroups   | Minimal Overgroups |
| 19                                  | $A_8 : S_3$                   | 120960 | 1980   | 26, 31 (3), 48 (8), 103 (28), 122 (35), 163 (56), 265 (105), 299 (120)  | 2, 5, 8            |
| 20                                  | $M_{12}$                      | 95040  | 2520   | 74 (12), 75 (12), 209 (66), 205 (66), 393 (144), 503 (220), 504 (220), 706 (396), 783 (495), 784 (495), 1308 (1320) | 1                  |
| 21                                  | $M_{12}$                      | 95040  | 2520   | 76 (12), 73 (12), 205 (66), 207 (66), 393 (144), 505 (220), 506 (220), 707 (396), 785 (495), 786 (495), 1308 (1320) | 1                  |
| 22                                  | $S_8 \times 2$                | 80640  | 1485   | 32, 31 (2), 62 (8), 129 (28), 152 (35), 211 (56), 327 (105), 385 (120)  | 3 (2), 16          |
| 23                                  | $A_8 \times 2 \times 2$       | 80640  | 495    | 32 (3), 64 (8), 94 (30), 130 (28), 153 (35), 212 (56)   | 14, 16 (3)         |
| 24                                  | $A_8 \times 2 \cdot 2$        | 80640  | 1485   | 32, 65 (8), 131 (28), 154 (35), 213 (56), 328 (105), 386 (120)  | 16                 |
| 25                                  | $A_7 \times 2 \times 2 : S_3$ | 60480  | 3960   | 34, 43 (3), 48 (4), 66 (7), 127 (21), 189 (35), 477 (120)   | 2, 8, 10           |
| 26                                  | $A_8 \times 3$                | 60480  | 1980   | 42, 78 (8), 112 (30), 164 (28), 190 (35), 291 (56)  | 6, 14, 19          |
| 27                                  | $A_7 \times 5 : 2 \cdot 2$    | 50400  | 4752   | 37, 65 (5), 83 (7), 149 (21), 214 (35), 533 (120)   | 10                 |
| 28                                  | $A_6 \times A_5 : 2$          | 43200  | 5544   | 39, 66 (5), 84 (6), 83 (6), 85 (6), 103 (10), 106 (10), 132 (15), 127 (15)  | 2, 10, 12          |
| 29                                  | $A_6 \times A_5 : 2$          | 43200  | 5544   | 40, 71 (5), 86 (6), 83 (6), 85 (6), 107 (10), 108 (10), 133 (15), 134 (15)  | 12                 |

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| Nr.                                 | Structure                                     | Order | Length | Maximal Subgroups  | Minimal Overgroups             |
| 30                                  | $2^4 : 3 \times 2 \times 2 : S_3 : S_3 : S_3$ | 41472 | 5775   | 41, 55 (3), 61 (4), 199 (27), 398 (64)                                     | 1                              |
| 31                                  | $S_8$   | 40320 | 2970   | 42, 97 (8), 215 (28), 266 (35), 359 (56), 538 (105), 605 (120)             | 4, 9 (2), 19 (2), 22           |
| 32                                  | $A_8 \times 2$                                | 40320 | 1485   | 42, 98 (8), 139 (30), 216 (28), 267 (35), 360 (56)                         | 22, 23, 24                     |
| 33                                  | $S_7 \times S_3$                              | 30240 | 7920   | 48, 49, 50, 62 (3), 103 (7), 211 (21), 307 (35), 703 (120)                 | 3, 5, 10                       |
| 34                                  | $A_7 \times 2 \times 2 : 3$                   | 30240 | 3960   | 64, 78 (4), 109 (7), 175 (30), 217 (21), 308 (35)                          | 14, 17, 25                     |
| 35                                  | $A_5 \times A_5 : 2 : 2 : 2$                  | 28800 | 8316   | 51, 54, 52, 268 (25), 326 (36), 632 (100)                                  | 3                              |
| 36                                  | $A_6 : S_3 : S_3 : 2$                         | 25920 | 9240   | 57, 56, 58, 108 (6), 106 (6), 135 (9), 142 (10), 191 (15), 192 (15)        | 12                             |
| 37                                  | $A_7 \times 5 : 2$                            | 25200 | 4752   | 59, 98 (5), 118 (7), 197 (30), 257 (21), 361 (35)                          | 17, 27                         |
| 38                                  | $2^5 : S_6$                                   | 23040 | 10395  | 60, 116 (6), 117 (6), 150 (10), 199 (15), 198 (15), 208 (16), 206 (16)     | 1                              |
| 39                                  | $A_6 \times A_5$                              | 21600 | 5544   | 109 (5), 118 (6), 119 (6), 120 (6), 165 (10), 166 (10), 218 (15), 219 (15) | 17, 18, 28                     |
| 40                                  | $A_6 \times A_5$                              | 21600 | 5544   | 110 (5), 118 (6), 120 (6), 121 (6), 167 (10), 168 (10), 220 (15), 221 (15) | 18, 29                         |
| 41                                  | $2^4 : 3 \times 2 \times 2 : S_3 : S_3 : 3$   | 20736 | 5775   | 88, 96 (4), 329 (27), 609 (64)   | 30                             |
| 42                                  | $A_8$   | 20160 | 495    | 148 (8), 239 (30), 362 (28), 428 (35), 583 (56)                            | 15 (4), 26 (4), 31 (6), 32 (3) |
| 43                                  | $A_7 \times 2 \times 2 : 2$                   | 20160 | 11880  | 65, 64, 62, 136 (7), 304 (21), 429 (35), 892 (120)                         | 16, 25                         |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups   | Minimal Overgroups    |
| 44                                  | $S_6 \times 2^2 : S_3$               | 17280 | 13860  | 66, 68, 69, 93 (3), 103 (4), 133 (6), 127 (6), 192 (10), 269 (15), 270 (15) | 3, 8, 12              |
| 45                                  | $S_6 \times 2^2 : S_3$               | 17280 | 13860  | 72, 71, 70, 93 (3), 107 (4), 134 (6), 132 (6), 191 (10), 271 (15), 269 (15) | 12                    |
| 46                                  | $2^3 : L_2(7) \times 2 \times 2 : 3$ | 16128 | 14850  | 94, 112 (4), 155 (7), 156 (7), 176 (8), 175 (8), 177 (8)                    | 14                    |
| 47                                  | $3 : S_3 : S_3 : S_3 : 2 : 2 : S_3$  | 15552 | 15400  | 77, 95 (3), 113 (4), 114 (4), 115 (4), 787 (81)                             | 1                     |
| 48                                  | $A_7 : S_3$                          | 15120 | 7920   | 78, 97 (3), 162 (7), 359 (21), 507 (35), 1062 (120)                         | 4, 19 (2), 25 (2), 33 |
| 49                                  | $S_7 \times 3$                       | 15120 | 7920   | 78, 97, 164 (7), 363 (21), 508 (35), 1063 (120)                             | 6, 33                 |
| 50                                  | $A_7 \times S_3$                     | 15120 | 7920   | 78, 98 (3), 165 (7), 300 (30), 364 (21), 509 (35)                           | 17, 33                |
| 51                                  | $A_5 \times A_5 : 2 \cdot 2$         | 14400 | 8316   | 84, 430 (25), 535 (36), 917 (100)   | 4, 35                 |
| 52                                  | $A_5 \times A_5 : 2 : 2$             | 14400 | 8316   | 79 (2), 84, 431 (25), 536 (36), 708 (120), 918 (100)                        | 7 (2), 35             |
| 53                                  | $A_5 \times A_5 : 2 : 2$             | 14400 | 16632  | 81, 86, 80, 432 (25), 536 (36), 707 (60), 706 (60), 919 (100)               | 7                     |
| 54                                  | $S_5 \times (A_5 : 2)$               | 14400 | 8316   | 82 (2), 84, 127 (10), 149 (12), 211 (20)                                    | 10 (2), 35            |
| 55                                  | $2^6 : S_3 : S_3 : S_3$              | 13824 | 17325  | 87, 89, 88, 100 (3), 122 (4), 200 (9), 309 (16)                             | 8, 30                 |
| 56                                  | $A_6 : S_3 : S_3$                    | 12960 | 9240   | 90 (2), 91, 103 (6), 169 (6), 163 (6), 242 (10), 310 (15), 307 (15)         | 5 (2), 36             |

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| Nr.                                 | Structure  | Order | Length | Maximal Subgroups  | Minimal Overgroups    |
| 57                                  | $A_6 \times 3 : S_3 \cdot 2$                           | 12960 | 9240   | 91, 168 (6), 166 (6),<br>222 (9), 243 (10), 311<br>(15), 312 (15)              | 18, 36                |
| 58                                  | $A_6 : S_3 : S_3$                                      | 12960 | 9240   | 92 (2), 91, 107 (6),<br>170 (6), 171 (6), 244<br>(10), 313 (15), 314<br>(15)   | 36                    |
| 59                                  | $A_7 \times 5$   | 12600 | 4752   | 148, 188 (7), 324<br>(30), 424 (21), 584<br>(35)                               | 37                    |
| 60                                  | $2^5 : A_6$  | 11520 | 10395  | 185 (6), 186 (6), 272<br>(10), 330 (15), 331<br>(15), 355 (16), 347<br>(16)    | 38                    |
| 61                                  | $A_4 \times 2 \times 2 : 3 \times 2 \times 2 :3 : S_3$ | 10368 | 23100  | 96, 123, 124 (3), 900<br>(64)  | 30                    |
| 62                                  | $S_7 \times 2$   | 10080 | 11880  | 97 (2), 98, 215 (7),<br>485 (21), 633 (35),<br>1287 (120)                      | 9 (2), 22, 33 (2), 43 |
| 63                                  | $L_2(7) \times A_5$                                    | 10080 | 23760  | 175 (5), 197 (6), 219<br>(7), 223 (7), 256 (8),<br>300 (10)                    | 17                    |
| 64                                  | $A_7 \times 2 \times 2$                                | 10080 | 3960   | 98 (3), 224 (7), 387<br>(30), 486 (21), 634<br>(35)                            | 23, 34, 43 (3)        |
| 65                                  | $A_7 \times 2 \cdot 2$                                 | 10080 | 11880  | 98, 225 (7), 487 (21),<br>635 (35), 1288 (120)                                 | 24, 27 (2), 43        |
| 66                                  | $A_6 \times 2 \times 2 : S_3$                          | 8640  | 13860  | 109, 136 (3), 162 (4),<br>210 (6), 226 (6), 315<br>(10), 433 (15), 434<br>(15) | 4, 25 (2), 28 (2), 44 |
| 67                                  | $A_5 \times 2 \times 2 : S_3 : S_3$                    | 8640  | 27720  | 102, 104, 105, 128<br>(3), 127 (3), 163 (4),<br>189 (5), 214 (6), 307<br>(10)  | 5, 8, 10              |
| 68                                  | $S_6 \times A_4$                                       | 8640  | 13860  | 109, 130, 164 (4), 217<br>(6), 227 (6), 316 (10),<br>435 (15), 436 (15)        | 14, 44                |
| 69                                  | $A_6 \times 2 \times 2 : S_3$                          | 8640  | 13860  | 109, 137 (3), 165 (4),<br>218 (6), 220 (6), 312<br>(10), 437 (15), 438<br>(15) | 18, 44                |

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| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups            |
| 70                                  | $A_6 \times 2 \times 2 : S_3$     | 8640  | 13860  | 110, 137 (3), 167 (4),<br>221 (6), 219 (6), 311<br>(10), 439 (15), 438<br>(15) | 18, 45                        |
| 71                                  | $A_6 \times 2 \times 2 : S_3$     | 8640  | 13860  | 110, 138 (3), 172 (4),<br>228 (6), 229 (6), 317<br>(10), 440 (15), 441<br>(15) | 29 (2), 45                    |
| 72                                  | $S_6 \times A_4$                  | 8640  | 13860  | 110, 129, 173 (4), 230<br>(6), 231 (6), 318 (10),<br>442 (15), 443 (15)        | 45                            |
| 73                                  | $M_{11}$                          | 7920  | 30240  | 346 (11), 394 (12),<br>920 (55), 1065 (66),<br>1613 (165)                      | 2, 21                         |
| 74                                  | $M_{11}$                          | 7920  | 30240  | 346 (11), 395 (12),<br>920 (55), 1066 (66),<br>1614 (165)                      | 2, 20                         |
| 75                                  | $M_{11}$                          | 7920  | 30240  | 356 (11), 395 (12),<br>921 (55), 1067 (66),<br>1615 (165)                      | 20                            |
| 76                                  | $M_{11}$                          | 7920  | 30240  | 348 (11), 394 (12),<br>922 (55), 1067 (66),<br>1616 (165)                      | 21                            |
| 77                                  | $3^2 : S_3 : S_3 : 2 : 2 : 2 : 3$ | 7776  | 15400  | 143, 179 (4), 180 (8),<br>181 (4), 182 (4), 1147<br>(81)                       | 47                            |
| 78                                  | $A_7 \times 3$                    | 7560  | 7920   | 148, 292 (7), 478<br>(30), 585 (21), 739<br>(35)                               | 26 (2), 34 (2), 48, 49,<br>50 |
| 79                                  | $A_5 \times A_5 : 2$              | 7200  | 16632  | 119, 636 (25), 776<br>(36), 1068 (60), 1069<br>(60), 1309 (100)                | 11, 13, 52                    |
| 80                                  | $A_5 \times A_5 : 2$              | 7200  | 16632  | 121, 637 (25), 776<br>(36), 1070 (60), 1071<br>(60), 1310 (100)                | 11, 53                        |
| 81                                  | $A_5 \times A_5 : 2$              | 7200  | 16632  | 121, 638 (25), 776<br>(36), 1072 (60), 1073<br>(60), 1311 (100)                | 13, 53                        |
| 82                                  | $S_5 \times A_5$                  | 7200  | 16632  | 119, 217 (5), 218 (5),<br>258 (6), 257 (6), 365<br>(10), 364 (10)              | 17, 54                        |

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| Nr.                                 | Structure   | Order | Length | Maximal Subgroups   | Minimal Overgroups             |
| 83                                  | $A_6 \times 5 : 2 \cdot 2$                            | 7200  | 33264  | 118, 225 (5), 259 (6), 260 (6), 366 (10), 488 (15), 489 (15)                      | 27, 28, 29                     |
| 84                                  | $A_5 \times A_5 : 2$                                  | 7200  | 8316   | 119, 210 (10), 259 (12), 359 (20), 1074 (120)                                     | 28 (4), 51, 52, 54             |
| 85                                  | $A_5 \times A_5 : 2$                                  | 7200  | 33264  | 120, 228 (5), 226 (5), 259 (6), 260 (6), 367 (10), 368 (10), 1066 (60), 1065 (60) | 28, 29                         |
| 86                                  | $A_5 \times A_5 : 2$                                  | 7200  | 16632  | 121, 229 (10), 260 (12), 369 (20), 1075 (60), 1076 (60)                           | 29 (2), 53                     |
| 87                                  | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3 : S_3$ | 6912  | 17325  | 124 (2), 125, 153, 155 (6), 190 (4), 510 (16)                                     | 14, 55                         |
| 88                                  | $2^4 : 3 \times 2 \times 2 : S_3 : S_3$               | 6912  | 5775   | 125 (3), 157 (9), 189 (12)  | 41, 55 (3)                     |
| 89                                  | $2^4 : 3 \times 2 \times 2 : S_3 \cdot S_3$           | 6912  | 17325  | 125, 158 (3), 193 (4), 332 (9), 511 (16)  | 55                             |
| 90                                  | $A_6 \times 3 : S_3$                                  | 6480  | 18480  | 126, 162, 164 (3), 293 (6), 291 (6), 399 (10), 508 (15), 512 (15)                 | 6, 56                          |
| 91                                  | $A_6 \times 3 : S_3$                                  | 6480  | 9240   | 126, 165 (6), 167 (6), 294 (6), 295 (6), 400 (10), 513 (15), 514 (15)             | 56, 57, 58                     |
| 92                                  | $A_6 \times 3 : S_3$                                  | 6480  | 18480  | 126, 172, 173 (3), 296 (6), 297 (6), 401 (10), 515 (15), 516 (15)                 | 58                             |
| 93                                  | $S_6 \times D_8$                                      | 5760  | 41580  | 137, 138, 129, 131, 135, 136, 130, 304 (6), 305 (6), 444 (10), 539 (15), 540 (15) | 16, 44, 45                     |
| 94                                  | $2^3 : L_2(7) \times 2 \times 2$                      | 5376  | 14850  | 139 (3), 333 (7), 334 (7), 387 (8), 388 (8), 389 (8)                              | 23, 46                         |
| 95                                  | $3^3 : S_3 \cdot 2 \cdot 2 : 2 : 2 : 2$               | 5184  | 46200  | 143, 144, 141, 142, 145, 140, 146, 1420 (81)                                      | 7, 47                          |
| 96                                  | $2^6 : 3 \cdot 3 : 3 : 3$                             | 5184  | 23100  | 194 (2), 195, 196, 1293 (64)  | 41, 61                         |
| 97                                  | $S_7$   | 5040  | 7920   | 148, 362 (7), 709 (21), 923 (35), 1738 (120)                                      | 15, 31 (3), 48 (3), 49, 62 (3) |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups  | Minimal Overgroups             |
| 98                                  | $A_7 \times 2$                         | 5040  | 11880  | 148, 370 (7), 606 (30), 710 (21), 924 (35)                             | 32, 37 (2), 50 (2), 62, 64, 65 |
| 99                                  | $2^{1+4} \times 2^2 : S_3 : S_3$       | 4608  | 51975  | 159, 160, 156, 198 (3), 200 (3), 265 (4), 269 (4)                      | 8                              |
| 100                                 | $2^6 : S_3 : S_3 : 2$                  | 4608  | 51975  | 151, 161, 157, 158, 154, 153, 152, 476 (9), 639 (16)                   | 16, 55                         |
| 101                                 | $L_2(8) : 3 \times 3$                  | 4536  | 52800  | 202, 201, 203, 204, 479 (9), 901 (28), 1063 (36)                       | 6                              |
| 102                                 | $A_5 \times 3 \times 2 \times 2 : S_3$ | 4320  | 27720  | 174, 210, 232 (3), 291 (4), 319 (5), 371 (6), 508 (10)                 | 6, 67                          |
| 103                                 | $S_6 \times S_3$                       | 4320  | 55440  | 164, 165, 162, 215 (3), 367 (6), 359 (6), 517 (10), 640 (15), 633 (15) | 9, 19, 28, 33, 44, 56          |
| 104                                 | $A_5 \times 2 \times 2 : 3 : S_3$      | 4320  | 27720  | 174, 212, 217 (3), 291 (4), 308 (5), 372 (6), 518 (10)                 | 14, 67                         |
| 105                                 | $A_5 \times 2 \times 2 : 3 : S_3$      | 4320  | 27720  | 174, 233 (3), 223 (6), 218 (3), 295 (4), 308 (5), 361 (6), 509 (10)    | 17, 67                         |
| 106                                 | $A_5 : S_3 : S_3 : 2$                  | 4320  | 55440  | 166, 170, 163, 315 (5), 366 (6), 490 (9), 517 (10)                     | 28, 36                         |
| 107                                 | $S_6 \times S_3$                       | 4320  | 55440  | 173, 167, 172, 234 (3), 368 (6), 369 (6), 519 (10), 641 (15), 642 (15) | 29, 45, 58                     |
| 108                                 | $A_5 : S_3 : S_3 : 2$                  | 4320  | 55440  | 168, 171, 169, 317 (5), 366 (6), 491 (9), 519 (10)                     | 29, 36                         |
| 109                                 | $A_6 \times 2 \times 2 : 3$            | 4320  | 13860  | 224, 292 (4), 373 (6), 374 (6), 520 (10), 643 (15), 644 (15)           | 34 (2), 39 (2), 66, 68, 69     |
| 110                                 | $A_6 \times 2 \times 2 : 3$            | 4320  | 13860  | 235, 298 (4), 375 (6), 376 (6), 521 (10), 645 (15), 646 (15)           | 40 (2), 70, 71, 72             |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups   | Minimal Overgroups            |
| 111                                 | $L_2(7) \times 2 \times 2 : S_3$      | 4032  | 59400  | 176, 238 (3), 299 (4),<br>477 (8), 788 (21), 925<br>(28)                              | 8                             |
| 112                                 | $2^3 : L_2(7) \times 3$               | 4032  | 59400  | 239, 445 (7), 446 (7),<br>480 (8), 478 (8), 479<br>(8)                                | 26, 46                        |
| 113                                 | $3 : S_3 : S_3 : S_3 : S_3$           | 3888  | 61600  | 183, 178, 182, 242<br>(3), 241 (3), 301 (4),<br>926 (27)                              | 5, 47                         |
| 114                                 | $3^3 : S_3 \cdot 2 \cdot 2 : S_3$     | 3888  | 61600  | 179, 245 (3), 301 (4),<br>506 (9)   | 47                            |
| 115                                 | $3^3 : S_3 \cdot 2 \cdot 2 : S_3$     | 3888  | 61600  | 181, 246 (3), 301 (4),<br>503 (9)   | 47                            |
| 116                                 | $2^4 : A_5 \times 2 : 2$              | 3840  | 62370  | 187, 186, 184, 327<br>(5), 423 (6), 540 (10),<br>708 (16)                             | 3, 38                         |
| 117                                 | $2^5 : A_5 : 2$                       | 3840  | 62370  | 185, 335 (5), 423 (6),<br>541 (10), 707 (16),<br>706 (16)                             | 38                            |
| 118                                 | $A_6 \times 5 : 2$                    | 3600  | 33264  | 188, 370 (5), 425 (6),<br>426 (6), 586 (10), 711<br>(15), 712 (15)                    | 37, 39, 40, 83                |
| 119                                 | $A_5 \times A_5$                      | 3600  | 8316   | 373 (10), 426 (12),<br>587 (20), 1545 (120)   | 39 (4), 79 (2), 82 (2),<br>84 |
| 120                                 | $A_5 \times A_5$                      | 3600  | 33264  | 376 (5), 374 (5), 426<br>(6), 425 (6), 588 (10),<br>589 (10), 1546 (60),<br>1547 (60) | 39, 40, 85                    |
| 121                                 | $A_5 \times A_5$                      | 3600  | 16632  | 375 (10), 425 (12),<br>590 (20), 1548 (60),<br>1549 (60)                              | 40 (2), 80, 81, 86            |
| 122                                 | $2^4 : S_3 : S_3 : S_3$               | 3456  | 69300  | 189, 190, 193, 266<br>(3), 542 (9), 740 (16)  | 19, 55                        |
| 123                                 | $2^4 : 3 \times 2 \times 2 : 3 : S_3$ | 3456  | 23100  | 195, 273 (9), 274 (3),<br>1576 (64)   | 61                            |
| 124                                 | $2^6 : 3 : 3 : S_3$                   | 3456  | 34650  | 196, 274 (2), 275,<br>276, 277 (3), 320 (4),<br>741 (16)                              | 61 (2), 87                    |
| 125                                 | $2^6 : 3 : 3 : S_3$                   | 3456  | 17325  | 196, 278, 279 (6), 280<br>(6), 308 (8), 319 (4)                                       | 87, 88, 89                    |
| 126                                 | $A_6 \times 3 \times 3$               | 3240  | 9240   | 298 (2), 292 (2), 474<br>(6), 475 (6), 610 (10),<br>742 (15), 743 (15)                | 90 (2), 91, 92 (2)            |

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|-------------------------------------|-----------------------------------|-------|--------|--|-----------------------|
| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups    |
| 127                                 | $S_5 \times 2^2 : S_3$            | 2880  | 83160  | 218, 210, 217, 304 (3), 359 (4), 434 (5), 489 (6), 633 (10)            | 9, 25, 28, 44, 54, 67 |
| 128                                 | $A_5 \times 2 \times 2 : 2 : S_3$ | 2880  | 83160  | 232, 236, 211, 233, 237, 213, 212, 304 (3), 429 (5), 492 (6), 647 (10) | 16, 67                |
| 129                                 | $S_6 \times 2^2$                  | 2880  | 13860  | 235, 216 (3), 215 (3), 493 (6), 485 (6), 648 (10), 789 (15), 790 (15)  | 22 (3), 72, 93 (3)    |
| 130                                 | $S_6 \times 2^2$                  | 2880  | 13860  | 224, 234 (3), 216 (3), 494 (6), 486 (6), 649 (10), 791 (15), 792 (15)  | 23, 68, 93 (3)        |
| 131                                 | $S_6 \times 4$                    | 2880  | 41580  | 222, 216, 225, 487 (6), 495 (6), 650 (10), 793 (15), 794 (15)          | 24, 93                |
| 132                                 | $S_5 \times 2^2 : S_3$            | 2880  | 83160  | 219, 230, 228, 304 (3), 368 (4), 433 (5), 488 (6), 640 (10)            | 28, 45                |
| 133                                 | $A_5 : 2 \times 2 \times 2 : S_3$ | 2880  | 83160  | 220, 226, 227, 305 (3), 367 (4), 441 (5), 489 (6), 641 (10)            | 29, 44                |
| 134                                 | $A_5 : 2 \times 2 \times 2 : S_3$ | 2880  | 83160  | 221, 231, 229, 305 (3), 369 (4), 440 (5), 488 (6), 642 (10)            | 29, 45                |
| 135                                 | $A_6 \times 2 \cdot 2 : 2$        | 2880  | 41580  | 222, 234, 215, 490 (6), 491 (6), 651 (10), 795 (15), 796 (15)          | 36 (2), 93            |
| 136                                 | $A_6 \times 2 \times 2 : 2$       | 2880  | 41580  | 224, 215, 225, 496 (6), 497 (6), 652 (10), 797 (15), 798 (15)          | 43 (2), 66, 93        |
| 137                                 | $D_8 \times A_6$                  | 2880  | 41580  | 224, 222, 235, 498 (6), 499 (6), 653 (10), 799 (15), 800 (15)          | 69, 70, 93            |
| 138                                 | $A_6 \times 2 \times 2 : 2$       | 2880  | 41580  | 235, 234, 225, 500 (6), 501 (6), 654 (10), 801 (15), 802 (15)          | 71, 93                |
| 139                                 | $2^3 : L_2(7) \times 2$           | 2688  | 44550  | 239, 543 (7), 544 (7), 606 (8), 607 (8), 608 (8)                       | 32, 94                |

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| Nr.                                 | Structure                                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                        |
| 140                                 | $3^3 : S_3 \cdot 2 : 2 : 2 \cdot 2$           | 2592  | 46200  | 247, 248, 243, 1822 (81)                                   | 11, 95                                    |
| 141                                 | $3^3 : S_3 \cdot 2 : 2 : 2 \cdot 2$           | 2592  | 46200  | 249, 250, 243, 1823 (81)                                   | 13, 95                                    |
| 142                                 | $3 : S_3 \cdot 2 : S_3 : S_3 : 2$             | 2592  | 46200  | 251, 252, 242 (2), 244 (2), 243, 651 (18)                  | 36 (2), 95                                |
| 143                                 | $3^2 : S_3 : S_3 : 2 : 2 : 2$                 | 2592  | 15400  | 251 (3), 253 (6), 248 (3), 250 (3), 1824 (81)              | 77, 95 (3)                                |
| 144                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2 : 2$           | 2592  | 46200  | 249, 247, 251, 1825 (81)                                   | 95  |
| 145                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2 : 2$           | 2592  | 46200  | 248, 249, 245 (2), 252, 254 (2), 1826 (81)                 | 95  |
| 146                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2 : 2$           | 2592  | 46200  | 250, 247, 246 (2), 252, 255 (2), 1827 (81)                 | 95  |
| 147                                 | $A_5 \times 7 : 3 : 2$                        | 2520  | 95040  | 256, 325, 477 (5), 533 (6), 591 (7), 703 (10)              | 10  |
| 148                                 | $A_7$   | 2520  | 792    | 592 (7), 893 (30), 1077 (21), 1312 (35)                    | 42 (5), 59 (6), 78 (10), 97 (10), 98 (15) |
| 149                                 | $S_5 \times (D_{10} \cdot 2)$                 | 2400  | 99792  | 258, 257, 259, 489 (5), 487 (5), 537 (6), 713 (10)         | 27, 54                                    |
| 150                                 | $2^5 : S_3 : S_3 : 2$                         | 2304  | 103950 | 261, 281, 271, 282, 283, 272, 263, 688 (9), 919 (16)       | 7, 38                                     |
| 151                                 | $2^5 : S_3 : S_3 : 2$                         | 2304  | 51975  | 262 (2), 264 (2), 270, 284, 285, 688 (9), 918 (16)         | 7 (2), 100                                |
| 152                                 | $2^5 : S_3 : S_3 : 2$                         | 2304  | 51975  | 270, 267, 266 (2), 268 (2), 286, 689 (9), 927 (16)         | 22, 100                                   |
| 153                                 | $2^6 : S_3 : S_3$                             | 2304  | 17325  | 287 (6), 284 (3), 275 (2), 267 (3), 278, 333 (6), 928 (16) | 23, 87, 100 (3)                           |
| 154                                 | $2^5 \cdot S_3 : S_3 : 2$                     | 2304  | 51975  | 285, 288, 267, 690 (9), 929 (16)                           | 24, 100                                   |
| 155                                 | $A_4 \times 2 \cdot 2 \times 2 : 2 : 2 : S_3$ | 2304  | 103950 | 277, 279, 276, 333, 336 (3), 447 (4), 446 (4)              | 46, 87                                    |

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|-------------------------------------|--|-------|--------|--|---------------------------------|
| Nr.                                 | Structure  | Order | Length | Maximal Subgroups  | Minimal Overgroups              |
| 156                                 | $2^{1+4} \times A_4 : S_3$                         | 2304  | 51975  | 289, 334, 336 (3), 447 (8), 445 (4), 435 (4)                 | 46 (2), 99                      |
| 157                                 | $2^6 : S_3 : S_3$                                  | 2304  | 51975  | 280 (2), 270, 278, 290 (2), 288, 337 (6), 429 (8)            | 88, 100                         |
| 158                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 \times 2 : 2$ | 2304  | 51975  | 286, 278, 285, 691 (9), 930 (16)                             | 89, 100                         |
| 159                                 | $2^{1+4} : A_4 : S_3$                              | 2304  | 51975  | 289, 338 (3), 339 (6), 340 (3), 448 (8), 449 (4), 450 (4)    | 99                              |
| 160                                 | $2^{1+4} : (2 \times 6) : S_3$                     | 2304  | 51975  | 289, 341, 342 (3), 443 (4), 451 (4)                          | 99                              |
| 161                                 | $2^5 : S_3 : S_3 \cdot 2$                          | 2304  | 51975  | 284, 288, 286, 692 (9), 931 (16)                             | 100                             |
| 162                                 | $A_6 : S_3$  | 2160  | 18480  | 292, 362 (3), 593 (6), 583 (6), 744 (10), 923 (15), 932 (15) | 15, 48 (3), 66 (3), 90, 103 (3) |
| 163                                 | $A_5 : S_3 : S_3$                                  | 2160  | 55440  | 295, 291 (2), 359 (6), 507 (5), 594 (6), 745 (10)            | 19 (2), 56, 67 (2), 106         |
| 164                                 | $S_6 \times 3$                                     | 2160  | 55440  | 292, 362, 585 (6), 595 (6), 746 (10), 933 (15), 934 (15)     | 26, 49, 68, 90, 103             |
| 165                                 | $A_6 \times S_3$                                   | 2160  | 55440  | 292, 370 (3), 588 (6), 587 (6), 747 (10), 935 (15), 936 (15) | 39, 50, 69, 91, 103             |
| 166                                 | $A_5 \times 3 : S_3 \cdot 2$                       | 2160  | 55440  | 295, 520 (5), 586 (6), 714 (9), 747 (10)                     | 39, 57, 106                     |
| 167                                 | $A_6 \times S_3$                                   | 2160  | 55440  | 298, 370 (3), 589 (6), 590 (6), 748 (10), 937 (15), 938 (15) | 40, 70, 91, 107                 |
| 168                                 | $A_5 \times 3 : S_3 \cdot 2$                       | 2160  | 55440  | 294, 521 (5), 586 (6), 715 (9), 748 (10)                     | 40, 57, 108                     |
| 169                                 | $A_5 : S_3 : S_3$                                  | 2160  | 55440  | 294, 293 (2), 367 (6), 522 (5), 594 (6), 749 (10)            | 56, 108                         |
| 170                                 | $A_5 : S_3 : S_3$                                  | 2160  | 55440  | 295, 296 (2), 368 (6), 523 (5), 596 (6), 750 (10)            | 58, 106                         |
| 171                                 | $A_5 : S_3 : S_3$                                  | 2160  | 55440  | 294, 297 (2), 369 (6), 524 (5), 596 (6), 751 (10)            | 58, 108                         |

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|-------------------------------------|--------------------------------------|-------|--------|--|-------------------------|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups      |
| 172                                 | $A_6 : S_3$                          | 2160  | 18480  | 298, 377 (3), 597 (6), 598 (6), 752 (10), 939 (15), 940 (15) | 71 (3), 92, 107 (3)     |
| 173                                 | $S_6 \times 3$                       | 2160  | 55440  | 298, 377, 591 (6), 599 (6), 753 (10), 941 (15), 942 (15)     | 72, 92, 107             |
| 174                                 | $A_5 \times 2 \times 2 : 3 \times 3$ | 2160  | 27720  | 378, 373, 379 (2), 474 (4), 525 (5), 600 (6), 754 (10)       | 102, 104, 105           |
| 175                                 | $L_2(7) \times 2 \times 2 : 3$       | 2016  | 118800 | 387, 478 (4), 655 (7), 644 (7), 704 (8)                      | 34, 46, 63              |
| 176                                 | $L_2(7) \times 2 \times 2 : 3$       | 2016  | 59400  | 388, 480 (4), 656 (14), 704 (8)                              | 46 (2), 111             |
| 177                                 | $2^3 : 7 \times 2 \times 2 : 3 : 3$  | 2016  | 118800 | 389, 390, 391, 392, 479 (4), 657 (7), 704 (8)                | 46                      |
| 178                                 | $3^2 : S_3 : S_3 : S_3$              | 1944  | 61600  | 302, 397, 399 (3), 482 (4), 1313 (27)                        | 6, 113                  |
| 179                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 3$      | 1944  | 61600  | 402, 483 (4), 755 (9)  | 77, 114                 |
| 180                                 | $3 : S_3 : S_3 : 3 : S_3$            | 1944  | 123200 | 303, 403, 404 (3), 483 (4), 1308 (27)                        | 77                      |
| 181                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 3$      | 1944  | 61600  | 405, 483 (4), 756 (9)  | 77, 115                 |
| 182                                 | $3 : S_3 : S_3 : 3 : S_3$            | 1944  | 61600  | 302, 406, 407 (3), 483 (4), 1314 (27)                        | 77, 113                 |
| 183                                 | $3 : S_3 : S_3 : 3 : S_3$            | 1944  | 61600  | 302, 398 (6), 408 (3), 409 (3), 484 (4), 1315 (27)           | 113                     |
| 184                                 | $2^4 : A_5 : 2$                      | 1920  | 62370  | 306, 538 (5), 627 (6), 797 (10), 1074 (16)                   | 4, 116                  |
| 185                                 | $2^5 : A_5$                          | 1920  | 62370  | 545 (5), 628 (6), 803 (10), 1078 (32), 1071 (16), 1073 (16)  | 60, 117                 |
| 186                                 | $2^4 : A_5 \times 2$                 | 1920  | 62370  | 306, 546 (5), 628 (6), 804 (10), 1069 (16)                   | 60, 116                 |
| 187                                 | $2^4 : A_5 : 2$                      | 1920  | 62370  | 306, 547 (5), 629 (6), 805 (10), 1068 (16)                   | 116                     |
| 188                                 | $A_6 \times 5$                       | 1800  | 33264  | 592, 630 (6), 631 (6), 882 (10), 1079 (15), 1080 (15)        | 59, 118                 |
| 189                                 | $A_4 \times 2 \times 2 : S_3 : S_3$  | 1728  | 69300  | 308 (2), 319, 434 (3), 429 (6), 507 (8)                      | 25 (2), 67 (2), 88, 122 |
| 190                                 | $2^3 \times 6 : S_3 : S_3$           | 1728  | 69300  | 320 (2), 319, 428, 446 (6), 1108 (16)                        | 26, 87, 122             |

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|-------------------------------------|---|-------|--------|---|--------------------------|
| Nr.                                 | Structure   | Order | Length | Maximal Subgroups   | Minimal Overgroups       |
| 191                                 | $3 : S_3 \cdot 2 : 2 \times 2 \times 2 : S_3$     | 1728  | 138600 | 321, 311, 310, 322, 317, 314, 318, 444 (3), 519 (4), 795 (9)    | 36, 45                   |
| 192                                 | $3 : S_3 \cdot 2 \times 2 \times 2 : 2 : S_3$     | 1728  | 138600 | 323, 313, 307, 315, 316, 312, 309, 444 (3), 517 (4), 796 (9)    | 36, 44                   |
| 193                                 | $A_4 \times 2 \times 2 : S_3 \cdot S_3$           | 1728  | 69300  | 319, 430 (3), 806 (9), 1109 (16)                                | 89, 122                  |
| 194                                 | $2^6 : 3 \cdot 3 : 3$                             | 1728  | 46200  | 452 (3), 453, 2015 (64)   | 96                       |
| 195                                 | $2^4 : 3 \times 2 \times 2 : 3 : 3$               | 1728  | 23100  | 454 (3), 453, 2016 (64)   | 96, 123                  |
| 196                                 | $A_4 \times 2 \times 2 \times 2 \times 2 : 3 : 3$ | 1728  | 5775   | 455 (6), 453 (4), 456 (3), 525 (12)                             | 96 (4), 124 (6), 125 (3) |
| 197                                 | $L_2(7) \times 5 : 2$                             | 1680  | 142560 | 324, 606 (5), 716 (7), 711 (7), 775 (8)                         | 37, 63                   |
| 198                                 | $2^{1+4} : D_8 : S_3$                             | 1536  | 155925 | 328, 330, 327, 343, 342, 338, 334, 476 (3), 540 (4)             | 16, 38, 99               |
| 199                                 | $D_8 \times 2^2 : 2 : 2 : 2 : S_3$                | 1536  | 155925 | 335, 331, 329, 476 (3), 548 (4), 541 (4), 549 (4)               | 30, 38                   |
| 200                                 | $2^{1+4} : 2^3 : S_3$                             | 1536  | 155925 | 341, 336, 337, 344, 332, 340, 345, 476 (3), 542 (4)             | 55, 99                   |
| 201                                 | $L_2(8) : 3$                                      | 1512  | 52800  | 481, 894 (9), 1577 (28), 1738 (36)                              | 15, 101                  |
| 202                                 | $L_2(8) \times 3$                                 | 1512  | 52800  | 481, 895 (9), 1578 (28), 1739 (36)                              | 101                      |
| 203                                 | $L_2(8) : 3$                                      | 1512  | 52800  | 481, 896 (9), 1579 (28), 1740 (36)                              | 101                      |
| 204                                 | $L_2(8) : 3$                                      | 1512  | 52800  | 481, 897 (9), 1580 (28), 1740 (36)                              | 101                      |
| 205                                 | $A_6 : 2 : 2$                                     | 1440  | 166320 | 346, 380, 381, 920 (10), 1744 (36), 1828 (45)                   | 3, 20, 21                |
| 206                                 | $S_6 \times 2$                                    | 1440  | 166320 | 347, 357, 353, 707 (6), 708 (6), 919 (10), 1148 (15), 1149 (15) | 7, 38                    |
| 207                                 | $S_6 : 2$   | 1440  | 166320 | 348, 358, 354, 922 (10), 1744 (36), 1829 (45)                   | 7, 21                    |

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|-------------------------------------|-----------------------------------|-------|--------|--|--|
| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups                     |
| 208                                 | $S_6 \times 2$                    | 1440  | 166320 | 355, 351, 349, 706 (6), 708 (6), 919 (10), 1148 (15), 1149 (15)      | 7, 38                                  |
| 209                                 | $S_6 : 2$                         | 1440  | 166320 | 356, 350, 352, 921 (10), 1744 (36), 1830 (45)                        | 7, 20                                  |
| 210                                 | $A_5 \times 2 \times 2 : S_3$     | 1440  | 27720  | 373, 496 (3), 583 (4), 658 (5), 717 (6), 923 (10)                    | 15, 66 (3), 84 (3), 102, 127 (3)       |
| 211                                 | $S_5 \times 2 \times S_3$         | 1440  | 83160  | 364 (2), 360, 363, 365, 359 (2), 485 (3), 633 (5), 713 (6), 943 (10) | 22, 33 (2), 54 (2), 128                |
| 212                                 | $A_5 \times 2 \times 2 : S_3$     | 1440  | 27720  | 360 (3), 382 (3), 378, 486 (3), 634 (5), 718 (6), 944 (10)           | 23, 104, 128 (3)                       |
| 213                                 | $A_5 \times 2 \cdot 2 : S_3$      | 1440  | 83160  | 383, 360, 384, 487 (3), 635 (5), 719 (6), 945 (10)                   | 24, 128                                |
| 214                                 | $D_{20} \times 2 \cdot S_3 : S_3$ | 1440  | 166320 | 372, 371, 361, 489 (3), 492 (3), 594 (4), 635 (5)                    | 27, 67                                 |
| 215                                 | $S_6 \times 2$                    | 1440  | 41580  | 370, 362 (2), 709 (6), 720 (6), 946 (10), 1150 (15), 1151 (15)       | 31 (2), 62 (2), 103 (4), 129, 135, 136 |
| 216                                 | $S_6 \times 2$                    | 1440  | 41580  | 370, 362, 377, 710 (6), 721 (6), 947 (10), 1152 (15), 1153 (15)      | 32, 129, 130, 131                      |
| 217                                 | $S_5 \times A_4$                  | 1440  | 83160  | 373, 486, 585 (4), 643 (5), 722 (6), 948 (10)                        | 34, 68, 82, 104, 127                   |
| 218                                 | $A_5 \times 2 \times 2 : S_3$     | 1440  | 83160  | 373, 499 (3), 587 (4), 643 (5), 712 (6), 936 (10)                    | 39, 69, 82, 105, 127                   |
| 219                                 | $A_5 \times 2 \times 2 : S_3$     | 1440  | 83160  | 376, 499 (3), 589 (4), 644 (5), 711 (6), 935 (10)                    | 39, 63 (2), 70, 132                    |
| 220                                 | $A_5 \times 2 \times 2 : S_3$     | 1440  | 83160  | 374, 498 (3), 588 (4), 646 (5), 712 (6), 937 (10)                    | 40, 69, 133                            |
| 221                                 | $A_5 \times 2 \times 2 : S_3$     | 1440  | 83160  | 375, 498 (3), 590 (4), 645 (5), 711 (6), 938 (10)                    | 40, 70, 134                            |

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|-------------------------------------|--------------------------------------|-------|--------|--|---------------------------------------|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups                    |
| 222                                 | $A_6 \times 2 \cdot 2$               | 1440  | 41580  | 370, 714 (6), 715 (6),<br>949 (10), 1154 (15),<br>1155 (15)          | 57 (2), 131, 135, 137                 |
| 223                                 | $A_5 \times 2 \times 2 : S_3$        | 1440  | 166320 | 379, 499 (3), 589 (4),<br>655 (5), 716 (6), 950<br>(10)              | 63, 105                               |
| 224                                 | $A_6 \times 2 \times 2$              | 1440  | 13860  | 370 (3), 723 (6), 724<br>(6), 951 (10), 1156<br>(15), 1157 (15)      | 64 (2), 109, 130, 136<br>(3), 137 (3) |
| 225                                 | $A_6 \times 2 \cdot 2$               | 1440  | 41580  | 370, 725 (6), 726 (6),<br>952 (10), 1158 (15),<br>1159 (15)          | 65 (2), 83 (4), 131,<br>136, 138      |
| 226                                 | $A_5 \times 2 \times 2 : S_3$        | 1440  | 83160  | 374, 497 (3), 593 (4),<br>659 (5), 717 (6), 953<br>(10)              | 66, 85 (2), 133                       |
| 227                                 | $A_5 \times 2 \times 2 : 3 : 2$      | 1440  | 83160  | 374, 494, 595 (4), 660<br>(5), 722 (6), 954 (10)                     | 68, 133                               |
| 228                                 | $A_5 \times 2 \times 2 : S_3$        | 1440  | 83160  | 376, 501 (3), 597 (4),<br>659 (5), 727 (6), 955<br>(10)              | 71, 85 (2), 132                       |
| 229                                 | $A_5 \times 2 \times 2 : S_3$        | 1440  | 83160  | 375, 500 (3), 598 (4),<br>661 (5), 727 (6), 956<br>(10)              | 71, 86 (2), 134                       |
| 230                                 | $S_5 \times A_4$                     | 1440  | 83160  | 376, 485, 591 (4), 662<br>(5), 728 (6), 957 (10)                     | 72, 132                               |
| 231                                 | $A_5 \times 2 \times 2 : 3 : 2$      | 1440  | 83160  | 375, 493, 599 (4), 663<br>(5), 728 (6), 958 (10)                     | 72, 134                               |
| 232                                 | $A_5 \times 3 \times 2 \times 2 : 2$ | 1440  | 83160  | 378, 384, 363, 496,<br>664 (5), 729 (6), 959<br>(10)                 | 102, 128                              |
| 233                                 | $A_5 \times 2 \times 2 : S_3$        | 1440  | 83160  | 383, 378, 365, 499<br>(3), 665 (5), 730 (6),<br>960 (10)             | 105, 128                              |
| 234                                 | $S_6 \times 2$                       | 1440  | 41580  | 370, 377 (2), 731 (6),<br>732 (6), 961 (10),<br>1160 (15), 1161 (15) | 107 (4), 130, 135, 138                |
| 235                                 | $A_6 \times 2 \times 2$              | 1440  | 13860  | 370 (3), 733 (6), 734<br>(6), 962 (10), 1162<br>(15), 1163 (15)      | 110, 129, 137 (3), 138<br>(3)         |
| 236                                 | $A_5 \times 2 \cdot 2 : S_3$         | 1440  | 83160  | 365, 382, 384, 501<br>(3), 666 (5), 735 (6),<br>963 (10)             | 128                                   |

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|-------------------------------------|-----------------------------------|-------|--------|---|-----------------------|
| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups   | Minimal Overgroups    |
| 237                                 | $S_5 \times 2 : S_3$              | 1440  | 83160  | 383, 363, 382, 490 (3), 667 (5), 736 (6), 964 (10)        | 128                   |
| 238                                 | $L_2(7) \times 2 \times 2 : 2$    | 1344  | 178200 | 385, 386, 388, 892 (8), 1421 (21), 1617 (28)              | 16, 111               |
| 239                                 | $2^3 : L_2(7)$                    | 1344  | 14850  | 807 (7), 808 (7), 898 (8), 893 (8), 894 (8)               | 42, 112 (4), 139 (3)  |
| 240                                 | $M_9 : 3 : S_3$                   | 1296  | 184800 | 396, 505 (3), 526 (3), 502 (3), 504 (3), 611 (4), 965 (9) | 5                     |
| 241                                 | $S_3 \times S_3 \times S_3 : S_3$ | 1296  | 184800 | 407, 408, 397, 517 (3), 612 (4), 1618 (27)                | 9, 113                |
| 242                                 | $3 : S_3 \cdot 2 : S_3 : S_3$     | 1296  | 92400  | 399 (2), 409 (2), 406, 410, 400, 517 (6), 966 (9)         | 56, 113 (2), 142      |
| 243                                 | $3^3 : S_3 \cdot 2 : 2 \cdot 2$   | 1296  | 46200  | 411, 400 (2), 949 (18)                                    | 57 (2), 140, 141, 142 |
| 244                                 | $3 : S_3 \cdot 2 : S_3 : S_3$     | 1296  | 92400  | 412 (2), 401 (2), 400, 413, 410, 519 (6), 967 (9)         | 58, 142               |
| 245                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2$   | 1296  | 92400  | 402, 414, 415, 922 (18)                                   | 114 (2), 145          |
| 246                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2$   | 1296  | 92400  | 405, 416, 417, 921 (18)                                   | 115 (2), 146          |
| 247                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2$   | 1296  | 46200  | 417 (2), 411, 2201 (81)                                   | 140, 144, 146         |
| 248                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2$   | 1296  | 46200  | 411, 418 (2), 419 (2), 402, 420, 2202 (81)                | 140, 143, 145         |
| 249                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2$   | 1296  | 46200  | 415 (2), 411, 2201 (81)                                   | 141, 144, 145         |
| 250                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2$   | 1296  | 46200  | 411, 421 (2), 419 (2), 405, 422, 2203 (81)                | 141, 143, 146         |
| 251                                 | $3 : S_3 : S_3 : S_3 : 2$         | 1296  | 46200  | 413, 421 (2), 406, 418 (2), 411, 918 (18)                 | 142, 143, 144         |
| 252                                 | $3 : S_3 : S_3 : S_3 : 2$         | 1296  | 46200  | 411, 416 (2), 410 (2), 414 (2), 968 (18)                  | 142, 145, 146         |
| 253                                 | $3^2 : S_3 : S_3 : 2 : 2$         | 1296  | 92400  | 413, 419, 421, 420, 422, 403, 418, 919 (18)               | 143                   |
| 254                                 | $3^3 : S_3 \cdot 2 \cdot 2 : 2$   | 1296  | 92400  | 415, 420, 414, 2204 (81)                                  | 145                   |

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|-------------------------------------|--|-------|--------|---|-------------------------|
| Nr.                                 | Structure                                      | Order | Length | Maximal Subgroups   | Minimal Overgroups      |
| 255                                 | $3^3 : S_3 : 2 : 2 : 2$                        | 1296  | 92400  | 417, 422, 416, 2205 (81)  | 146                     |
| 256                                 | $A_5 \times 7 : 3$                             | 1260  | 95040  | 534, 704 (5), 775 (6), 883 (7), 1064 (10)                             | 63 (2), 147             |
| 257                                 | $S_5 \times (D_{10})$                          | 1200  | 99792  | 426, 427, 424, 712 (5), 710 (5), 777 (6), 1081 (10)                   | 37, 82, 149             |
| 258                                 | $A_5 \times 5 : 2 \cdot 2$                     | 1200  | 99792  | 426, 714 (5), 722 (5), 777 (6), 1082 (10)                             | 82, 149                 |
| 259                                 | $A_5 \times 5 : 2 \cdot 2$                     | 1200  | 99792  | 426, 725 (5), 717 (5), 778 (6), 1083 (10)                             | 83 (2), 84, 85 (2), 149 |
| 260                                 | $A_5 \times 5 : 2 \cdot 2$                     | 1200  | 199584 | 425, 726 (5), 727 (5), 778 (6), 1084 (10)                             | 83, 85, 86              |
| 261                                 | $2^4 : S_3 : S_3 : 2$                          | 1152  | 103950 | 457, 439, 458, 1009 (9), 1310 (16)                                    | 11, 150                 |
| 262                                 | $2^4 : S_3 : S_3 : 2$                          | 1152  | 103950 | 459, 437, 460, 1009 (9), 1309 (16)                                    | 11, 151                 |
| 263                                 | $2^4 : S_3 : S_3 : 2$                          | 1152  | 103950 | 461, 439, 462, 1010 (9), 1311 (16)                                    | 13, 150                 |
| 264                                 | $2^4 : S_3 : S_3 : 2$                          | 1152  | 103950 | 463, 437, 460, 1010 (9), 1309 (16)                                    | 13, 151                 |
| 265                                 | $2^{1+4} : S_3 : S_3$                          | 1152  | 207900 | 451, 449, 445, 538 (3), 542 (3), 640 (4)                              | 19, 99                  |
| 266                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$      | 1152  | 103950 | 430, 434, 428, 1011 (9), 1316 (16)                                    | 31, 122 (2), 152        |
| 267                                 | $2^5 : S_3 : S_3$                              | 1152  | 51975  | 464 (2), 465, 428, 466 (2), 431, 544 (6), 1317 (16)                   | 32, 152, 153, 154       |
| 268                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 : 2$      | 1152  | 103950 | 430, 434, 431, 1012 (9), 1318 (16)                                    | 35 (2), 152             |
| 269                                 | $2^5 : S_3 : S_3$                              | 1152  | 207900 | 435, 443, 433, 450, 441, 467, 438, 540 (3), 539 (3), 641 (4), 640 (4) | 44, 45, 99              |
| 270                                 | $2^5 : S_3 : S_3$                              | 1152  | 51975  | 434 (2), 436 (2), 465, 437 (2), 539 (6), 633 (8)                      | 44 (4), 151, 152, 157   |
| 271                                 | $2^5 : S_3 : S_3$                              | 1152  | 103950 | 440 (2), 442 (2), 468, 469, 439, 540 (6), 642 (8)                     | 45 (2), 150             |
| 272                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 \times 2$ | 1152  | 103950 | 462, 468, 458, 1013 (9), 1319 (16)                                    | 60, 150                 |
| 273                                 | $2^6 : 3 : S_3$                                | 1152  | 207900 | 454, 548, 550 (3), 668 (4), 1308 (16)                                 | 123                     |

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|-------------------------------------|---|-------|--------|---|----------------------------|
| Nr.                                 | Structure                                       | Order | Length | Maximal Subgroups   | Minimal Overgroups         |
| 274                                 | $2^6 : 3 : S_3$                                 | 1152  | 69300  | 453, 551, 550 (3), 669 (4), 1320 (16)                         | 123, 124                   |
| 275                                 | $2^4 : 3 \times 2 \times 2 : S_3$               | 1152  | 34650  | 470 (3), 466 (3), 456, 551, 552 (3), 1321 (16)                | 124, 153                   |
| 276                                 | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3$ | 1152  | 34650  | 455, 551, 553 (3), 656 (12), 670 (4)                          | 124, 155 (3)               |
| 277                                 | $2^6 : 3 : 3 : 2$                               | 1152  | 103950 | 455, 550 (2), 552, 553, 671 (4), 657 (4)                      | 124, 155                   |
| 278                                 | $2^4 : 3 \times 2 \times 2 : S_3$               | 1152  | 17325  | 456, 471 (3), 465 (3), 554 (6), 555 (6), 634 (8)              | 125, 153, 157 (3), 158 (3) |
| 279                                 | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3$ | 1152  | 103950 | 455, 554, 556 (3), 655 (8), 672 (4), 673 (4)                  | 125, 155                   |
| 280                                 | $A_4 \times 2 \times 2 \times 2 \times 2 : S_3$ | 1152  | 103950 | 472, 436, 456, 555, 556 (3), 665 (4), 664 (4)                 | 125, 157                   |
| 281                                 | $2^4 : 3 : S_3 \cdot 2 : 2$                     | 1152  | 103950 | 458, 469, 461, 1014 (9), 1322 (16)                            | 150                        |
| 282                                 | $2^5 : S_3 : S_3$                               | 1152  | 103950 | 432 (2), 473 (2), 468, 457, 461, 541 (6), 1323 (16)           | 150                        |
| 283                                 | $2^4 : S_3 : S_3 : 2$                           | 1152  | 103950 | 457, 469, 462, 1015 (9), 1324 (16)                            | 150                        |
| 284                                 | $2^5 : S_3 : S_3$                               | 1152  | 51975  | 470 (2), 431 (2), 465, 459, 463, 557 (6), 1325 (16)           | 151, 153, 161              |
| 285                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2 \times 2$  | 1152  | 51975  | 460 (2), 465, 1016 (9), 1326 (16)                             | 151, 154, 158              |
| 286                                 | $2^4 : 3 \times 2 : S_3 \cdot 2$                | 1152  | 51975  | 465, 430 (2), 1017 (9), 1327 (16)                             | 152, 158, 161              |
| 287                                 | $2^5 : S_3 : S_3$                               | 1152  | 103950 | 464 (2), 471, 466, 459, 463, 470, 558 (3), 559 (3), 1328 (16) | 153                        |
| 288                                 | $2^5 \cdot S_3 : S_3$                           | 1152  | 51975  | 472 (2), 465, 560 (6), 635 (8)                                | 154, 157, 161              |
| 289                                 | $2^{1+4} : (A_4 \times 3)$                      | 1152  | 51975  | 561, 562 (2), 563, 674 (8), 675 (4), 676 (4), 657 (8)         | 156, 159, 160              |
| 290                                 | $2^5 : S_3 : S_3$                               | 1152  | 103950 | 471, 472, 436, 564 (3), 565 (3), 666 (4), 667 (4)             | 157                        |

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|-------------------------------------|------------------------------|-------|--------|---|--|
| Nr.                                 | Structure                    | Order | Length | Maximal Subgroups   | Minimal Overgroups                             |
| 291                                 | $A_5 \times 3 : S_3$         | 1080  | 110880 | 474, 583, 585 (3),<br>739 (5), 884 (6), 1110<br>(10)                    | 26, 90, 102, 104, 163                          |
| 292                                 | $A_6 \times 3$               | 1080  | 18480  | 592, 885 (6), 886 (6),<br>1111 (10), 1329 (15),<br>1330 (15)            | 78 (3), 109 (3), 126,<br>162, 164 (3), 165 (3) |
| 293                                 | $A_5 \times 3 : S_3$         | 1080  | 110880 | 475, 593, 595 (3),<br>757 (5), 884 (6), 1112<br>(10)                    | 90, 169  |
| 294                                 | $A_5 \times 3 : S_3$         | 1080  | 55440  | 475, 588 (6), 590 (6),<br>758 (5), 887 (6), 1113<br>(10)                | 91, 168, 169, 171                              |
| 295                                 | $A_5 \times 3 : S_3$         | 1080  | 55440  | 474, 587 (6), 589 (6),<br>759 (5), 887 (6), 1114<br>(10)                | 91, 105 (2), 163, 166,<br>170                  |
| 296                                 | $A_5 \times 3 : S_3$         | 1080  | 110880 | 474, 597, 591 (3),<br>760 (5), 888 (6), 1115<br>(10)                    | 92, 170  |
| 297                                 | $A_5 \times 3 : S_3$         | 1080  | 110880 | 475, 598, 599 (3),<br>761 (5), 888 (6), 1116<br>(10)                    | 92, 171  |
| 298                                 | $A_6 \times 3$               | 1080  | 18480  | 592, 889 (6), 883 (6),<br>1117 (10), 1331 (15),<br>1332 (15)            | 110 (3), 126, 167 (3),<br>172, 173 (3)         |
| 299                                 | $L_2(7) : S_3$               | 1008  | 237600 | 480, 605 (3), 1062<br>(8), 1619 (21), 1756<br>(28)                      | 19, 111  |
| 300                                 | $L_2(7) \times S_3$          | 1008  | 237600 | 478, 606 (3), 950 (7),<br>935 (7), 1064 (8)                             | 50, 63   |
| 301                                 | $3^{1+2} : S_3 : S_3$        | 972   | 246400 | 484, 482, 483, 611<br>(3), 613 (3), 612 (3)                             | 113, 114, 115                                  |
| 302                                 | $3 : S_3 : S_3 : 3 \times 3$ | 972   | 61600  | 614, 615, 609 (2), 705<br>(4), 1757 (27)                                | 178, 182, 183                                  |
| 303                                 | $3 : S_3 : S_3 : 3 \times 3$ | 972   | 123200 | 616, 617, 618 (2), 705<br>(4), 1758 (27)                                | 180  |
| 304                                 | $S_5 \times D_8$             | 960   | 249480 | 487, 490, 501, 499,<br>485, 486, 496, 798<br>(5), 913 (6), 1164<br>(10) | 43, 93, 127, 128, 132                          |
| 305                                 | $D_8 \times (A_5 : 2)$       | 960   | 249480 | 497, 494, 493, 498,<br>500, 495, 491, 809<br>(5), 913 (6), 1165<br>(10) | 93, 133, 134                                   |

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|-------------------------------------|---|-------|--------|--|-----------------------------|
| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups          |
| 306                                 | $2^4 : A_5$                               | 960   | 62370  | 810 (5), 914 (6), 1166 (10), 1545 (16)                     | 184, 186, 187               |
| 307                                 | $S_3 \times 2^2 : S_3 \times S_3$         | 864   | 138600 | 508 (2), 518, 507, 509 (2), 513, 633 (6), 647 (3), 745 (4) | 33 (2), 56, 67 (2), 192     |
| 308                                 | $2^4 : 3 : 3 : S_3$                       | 864   | 138600 | 525, 634, 655 (6), 643 (3), 665 (3), 759 (4), 739 (4)      | 34, 104, 105, 125, 189      |
| 309                                 | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 507, 510, 511, 639 (3), 740 (4), 1167 (9)                  | 55 (2), 192                 |
| 310                                 | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 522, 512 (2), 514, 527 (2), 528, 647 (3), 640 (6), 749 (4) | 56, 191                     |
| 311                                 | $2 \times 6 : S_3 \cdot 2 : S_3$          | 864   | 138600 | 521, 529, 514, 653 (3), 748 (4), 1154 (9)                  | 57, 70, 191                 |
| 312                                 | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 520, 511, 513, 653 (3), 747 (4), 1155 (9)                  | 57, 69, 192                 |
| 313                                 | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 530 (2), 513, 510, 516 (2), 523, 677 (3), 641 (6), 750 (4) | 58, 192                     |
| 314                                 | $2^2 : S_3 \times S_3 \times S_3$         | 864   | 138600 | 531 (2), 514, 524, 515 (2), 532, 642 (6), 677 (3), 751 (4) | 58, 191                     |
| 315                                 | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 507, 520, 523, 652 (3), 744 (4), 1168 (9)                  | 66, 106 (2), 192            |
| 316                                 | $A_4 \times S_3 \times S_3 : 2$           | 864   | 138600 | 518, 520, 510, 649, 746 (4), 1169 (9)                      | 68, 192                     |
| 317                                 | $3 : S_3 \cdot 2 \times 2 \times 2 : S_3$ | 864   | 138600 | 522, 521, 524, 654 (3), 752 (4), 1170 (9)                  | 71, 108 (2), 191            |
| 318                                 | $A_4 \times S_3 \times S_3 : 2$           | 864   | 138600 | 528, 521, 532, 648, 753 (4), 1171 (9)                      | 72, 191                     |
| 319                                 | $A_4 \times 3 \times 2 \times 2 : S_3$    | 864   | 69300  | 525, 658, 664 (6), 672 (6), 739 (8)                        | 102 (2), 125, 189, 190, 193 |
| 320                                 | $2^4 : 3 \times 3 : S_3$                  | 864   | 138600 | 525, 669 (2), 670, 678, 671 (3), 1581 (16)                 | 124, 190                    |
| 321                                 | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 522, 532, 529, 679 (3), 762 (4), 1172 (9)                  | 191                         |
| 322                                 | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 528, 524, 529, 632 (3), 763 (4), 1173 (9)                  | 191                         |
| 323                                 | $S_3 \times 2^2 \times S_3 : S_3$         | 864   | 138600 | 518, 511, 523, 680 (3), 764 (4), 1174 (9)                  | 192                         |
| 324                                 | $L_2(7) \times 5$                         | 840   | 142560 | 893, 1080 (7), 1085 (7), 1139 (8)                          | 59, 197                     |

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|-------------------------------------|--|-------|--------|---|----------------------|
| Nr.                                 | Structure                                    | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 325                                 | $A_5 \times 7 : 2$                           | 840   | 95040  | 534, 899 (5), 1008 (6), 1086 (7), 1289 (10)   | 147                  |
| 326                                 | $5^2 : 2 \cdot 2 : 2 \cdot 2 : 2$            | 800   | 299376 | 536, 535, 537, 1831 (25)  | 35                   |
| 327                                 | $2^{1+4} : 2^2 : S_3$                        | 768   | 155925 | 547 (2), 538 (2), 543, 566, 546, 689 (3), 789 (4)                                     | 22, 116 (2), 198     |
| 328                                 | $2^{1+4} : 4 : S_3$                          | 768   | 155925 | 567, 543, 568, 690 (3), 793 (4)   | 24, 198              |
| 329                                 | $D_8 \times 2^2 : 2 : 2 : 3 : 2$             | 768   | 155925 | 545, 693, 811 (4), 812 (4), 813 (8), 814 (4)  | 41, 199              |
| 330                                 | $2^{1+4} : 2^2 : S_3$                        | 768   | 155925 | 568, 546, 569, 694 (3), 804 (4)   | 60, 198              |
| 331                                 | $2^2 \times 4 \cdot 2 : 2 : 2 : S_3$         | 768   | 155925 | 545, 694 (3), 803 (4), 815 (4), 816 (4)   | 60, 199              |
| 332                                 | $D_8 \times 2^2 : 2 \times 2 \cdot S_3$      | 768   | 155925 | 570, 556, 571, 691 (3), 806 (4)   | 89, 200              |
| 333                                 | $2 \times 4 : 2 : 2 \times 2 \times 2 : S_3$ | 768   | 103950 | 557 (3), 558 (3), 544 (3), 552, 554, 559 (3), 551, 695 (3), 817 (4)                   | 94, 153, 155         |
| 334                                 | $2^{1+4} \times 2^2 : S_3$                   | 768   | 51975  | 569 (3), 543 (3), 561, 695 (3), 817 (8), 791 (4)                                      | 94 (2), 156, 198 (3) |
| 335                                 | $2^2 \times 4 : 2 : 2 : 2 : S_3$             | 768   | 155925 | 545, 696 (3), 818 (4), 819 (4), 820 (4)   | 117 (2), 199         |
| 336                                 | $2^{1+4} : (A_4 \times 2)$                   | 768   | 155925 | 553 (2), 572 (2), 556, 573, 563, 695, 821 (4)   | 155 (2), 156, 200    |
| 337                                 | $D_8 \times 2^2 : 2 \times 2 : S_3$          | 768   | 155925 | 539 (2), 574 (2), 575, 560 (2), 565 (2), 564 (2), 556, 555 (2), 576, 693 (3), 822 (4) | 157 (2), 200         |
| 338                                 | $2^{1+4} \times 2^2 : S_3$                   | 768   | 155925 | 568, 561, 566, 697 (3), 823 (8), 824 (4)  | 159, 198             |
| 339                                 | $2^{1+4} \times 2^2 : S_3$                   | 768   | 311850 | 562, 697 (3), 825 (4), 826 (4), 827 (4), 787 (4), 786 (4), 784 (4), 828 (4)           | 159                  |
| 340                                 | $2^{1+4} \times 2^2 : S_3$                   | 768   | 155925 | 577 (2), 571, 576, 578 (2), 563, 697 (3), 829 (4)                                     | 159, 200             |

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|-------------------------------------|---|-------|--------|--|------------------------|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups  | Minimal Overgroups     |
| 341                                 | $2^{1+4} \times 2^2 : S_3$              | 768   | 51975  | 575 (3), 570 (3), 563, 698 (3), 830 (4)                  | 160, 200 (3)           |
| 342                                 | $2^{1+4} : (D_8 \times 3)$              | 768   | 155925 | 561, 546, 567, 698, 831 (4)                              | 160, 198               |
| 343                                 | $2^{1+4} : 4 : S_3$                     | 768   | 155925 | 567, 566, 569, 699 (3), 832 (4)                          | 198                    |
| 344                                 | $D_8 \times 2^2 \cdot 2 \times 2 : S_3$ | 768   | 155925 | 570, 576, 573, 700 (3), 833 (4)                          | 200                    |
| 345                                 | $D_8 \times 2^2 \cdot 2 \times 2 : S_3$ | 768   | 155925 | 571, 575, 573, 701 (3), 834 (4)                          | 200                    |
| 346                                 | $M_{10}$                                | 720   | 166320 | 601, 1333 (10), 2150 (36), 2206 (45)                     | 4, 73 (2), 74 (2), 205 |
| 347                                 | $A_6 \times 2$                          | 720   | 166320 | 579, 1069 (6), 1071 (6), 1319 (10), 1620 (15), 1621 (15) | 11, 60, 206            |
| 348                                 | $M_{10}$                                | 720   | 166320 | 581, 1334 (10), 2151 (36), 2207 (45)                     | 11, 76 (2), 207        |
| 349                                 | $S_6$                                   | 720   | 166320 | 582, 1068 (6), 1070 (6), 1322 (10), 1620 (15), 1621 (15) | 11, 208                |
| 350                                 | $A_6 : 2$                               | 720   | 166320 | 580, 1335 (10), 2152 (36), 2204 (45)                     | 11, 209                |
| 351                                 | $S_6$                                   | 720   | 166320 | 582, 1074 (6), 1076 (6), 1310 (10), 1622 (15), 1623 (15) | 12, 208                |
| 352                                 | $S_6$                                   | 720   | 166320 | 580, 1066 (12), 1336 (10), 1624 (30)                     | 12, 209                |
| 353                                 | $S_6$                                   | 720   | 166320 | 579, 1075 (6), 1074 (6), 1311 (10), 1623 (15), 1622 (15) | 12, 206                |
| 354                                 | $S_6$                                   | 720   | 166320 | 581, 1065 (12), 1337 (10), 1624 (30)                     | 12, 207                |
| 355                                 | $A_6 \times 2$                          | 720   | 166320 | 582, 1073 (6), 1069 (6), 1319 (10), 1625 (15), 1626 (15) | 13, 60, 208            |
| 356                                 | $M_{10}$                                | 720   | 166320 | 580, 1338 (10), 2151 (36), 2208 (45)                     | 13, 75 (2), 209        |
| 357                                 | $S_6$                                   | 720   | 166320 | 579, 1068 (6), 1072 (6), 1324 (10), 1626 (15), 1625 (15) | 13, 206                |
| 358                                 | $A_6 : 2$                               | 720   | 166320 | 581, 1339 (10), 2152 (36), 2205 (45)                     | 13, 207                |

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| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 359                                 | $S_5 \times S_3$                     | 720   | 166320 | 587, 583, 585, 709 (3), 923 (5), 1083 (6), 1340 (10)       | 31, 48, 84, 103 (2), 127 (2), 163 (2), 211                           |
| 360                                 | $A_5 \times 2 : S_3$                 | 720   | 83160  | 602, 583, 603, 710 (3), 924 (5), 1087 (6), 1341 (10)       | 32, 211, 212, 213  |
| 361                                 | $2 \times 10 : 3 : 2 : S_3$          | 720   | 166320 | 604, 584, 600, 716 (6), 712 (3), 730 (3), 887 (4), 924 (5) | 37, 105, 214   |
| 362                                 | $S_6$                                | 720   | 13860  | 592, 1077 (6), 1088 (6), 1342 (10), 1627 (15), 1628 (15)   | 42, 97 (4), 162 (4), 164 (4), 215 (6), 216 (3)                       |
| 363                                 | $S_5 \times 6$                       | 720   | 83160  | 602, 585 (2), 709, 934 (5), 1089 (6), 1343 (10)            | 49 (2), 211, 232, 237  |
| 364                                 | $S_5 \times S_3$                     | 720   | 166320 | 587, 585, 603, 710 (3), 936 (5), 1082 (6), 1344 (10)       | 50, 82, 211  |
| 365                                 | $A_5 \times 2 \times S_3$            | 720   | 83160  | 587 (2), 602, 733 (3), 948 (5), 1081 (6), 1344 (10)        | 82 (2), 211, 233, 236  |
| 366                                 | $D_{10} \cdot S_3 : S_3 \cdot 2$     | 720   | 332640 | 596, 594, 586, 952 (5), 1300 (9)                           | 83, 106, 108   |
| 367                                 | $A_5 : 2 \times S_3$                 | 720   | 332640 | 588, 593, 595, 720 (3), 955 (5), 1083 (6), 1345 (10)       | 85, 103, 133, 169  |
| 368                                 | $S_5 \times S_3$                     | 720   | 332640 | 589, 597, 591, 732 (3), 953 (5), 1084 (6), 1345 (10)       | 85, 107, 132, 170  |
| 369                                 | $A_5 : 2 \times S_3$                 | 720   | 332640 | 590, 599, 598, 731 (3), 956 (5), 1084 (6), 1346 (10)       | 86, 107, 134, 171  |
| 370                                 | $A_6 \times 2$                       | 720   | 41580  | 592, 1090 (6), 1091 (6), 1347 (10), 1629 (15), 1630 (15)   | 98 (2), 118 (4), 165 (4), 167 (4), 215, 216, 222, 224, 225, 234, 235 |
| 371                                 | $15 : 2 \times 2 \times 2 \cdot S_3$ | 720   | 166320 | 600, 717, 729 (3), 884 (4), 969 (5)                        | 102, 214   |
| 372                                 | $2 \times 10 : 3 : 2 \cdot S_3$      | 720   | 166320 | 600, 718, 722 (3), 884 (4), 970 (5)                        | 104, 214   |
| 373                                 | $A_5 \times 2 \times 2 : 3$          | 720   | 27720  | 724, 886 (4), 971 (5), 1092 (6), 1348 (10)                 | 109 (3), 119 (3), 174, 210, 217 (3), 218 (3)                         |

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| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups  | Minimal Overgroups                    |
| 374                                 | $A_5 \times 2 \times 2 : 3$      | 720   | 83160  | 723, 885 (4), 972 (5),<br>1092 (6), 1349 (10)                  | 109, 120 (2), 220,<br>226, 227        |
| 375                                 | $A_5 \times 2 \times 2 : 3$      | 720   | 83160  | 734, 889 (4), 973 (5),<br>1093 (6), 1350 (10)                  | 110, 121 (2), 221,<br>229, 231        |
| 376                                 | $A_5 \times 2 \times 2 : 3$      | 720   | 83160  | 733, 883 (4), 972 (5),<br>1093 (6), 1351 (10)                  | 110, 120 (2), 219,<br>228, 230        |
| 377                                 | $S_6$                            | 720   | 13860  | 592, 1094 (6), 1086<br>(6), 1352 (10), 1631<br>(15), 1632 (15) | 172 (4), 173 (4), 216<br>(3), 234 (6) |
| 378                                 | $A_5 \times 3 \times 2 \times 2$ | 720   | 27720  | 602 (3), 724, 974 (5),<br>1095 (6), 1353 (10)                  | 174, 212, 232 (3), 233<br>(3)         |
| 379                                 | $A_5 \times 2 \times 2 : 3$      | 720   | 55440  | 724, 883 (4), 975 (5),<br>1096 (6), 1354 (10)                  | 174, 223 (3)                          |
| 380                                 | $A_6 : 2$                        | 720   | 166320 | 601, 1355 (10), 2152<br>(36), 2209 (45)                        | 205                                   |
| 381                                 | $A_6 : 2$                        | 720   | 166320 | 601, 1067 (12), 1356<br>(10), 1624 (30)                        | 205                                   |
| 382                                 | $A_5 \times 2 : S_3$             | 720   | 83160  | 602, 603 (2), 732 (3),<br>976 (5), 1097 (6),<br>1357 (10)      | 212, 236, 237                         |
| 383                                 | $A_5 \times 2 \cdot S_3$         | 720   | 83160  | 602, 714 (3), 970 (5),<br>1098 (6), 1358 (10)                  | 213, 233, 237                         |
| 384                                 | $A_5 \times 3 \times 2 \cdot 2$  | 720   | 83160  | 602, 725, 969 (5),<br>1099 (6), 1359 (10)                      | 213, 232, 236                         |
| 385                                 | $L_2(7) : 2 \times 2$            | 672   | 178200 | 605 (2), 607, 1287<br>(8), 1832 (21), 2030<br>(28)             | 22, 238                               |
| 386                                 | $L_2(7) \times 2 \cdot 2$        | 672   | 178200 | 607, 1288 (8), 1833<br>(21), 2031 (28)                         | 24, 238                               |
| 387                                 | $L_2(7) \times 2 \times 2$       | 672   | 118800 | 606 (3), 1175 (7),<br>1156 (7), 1290 (8)                       | 64, 94, 175                           |
| 388                                 | $L_2(7) \times 2 \times 2$       | 672   | 59400  | 607 (3), 1176 (14),<br>1290 (8)                                | 94 (2), 176, 238 (3)                  |
| 389                                 | $2^3 : 7 : 3 \times 2 \times 2$  | 672   | 118800 | 608 (3), 737, 1177<br>(7), 1290 (8)                            | 94, 177                               |
| 390                                 | $2^3 : 7 \times 2 \times 2 : 3$  | 672   | 118800 | 737, 897 (4), 1178<br>(7), 1291 (8)                            | 177                                   |
| 391                                 | $2^3 : 7 \times 2 \times 2 : 3$  | 672   | 118800 | 737, 896 (4), 1178<br>(7), 1291 (8)                            | 177                                   |
| 392                                 | $2^3 : 7 \times 2 \times 2 : 3$  | 672   | 118800 | 737, 895 (4), 1179,<br>1292 (8)                                | 177                                   |
| 393                                 | $L_2(11)$                        | 660   | 362880 | 1550 (22), 1575 (12),<br>2353 (55)                             | 20, 21                                |

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|-------------------------------------|-----------------------------|-------|--------|--|--------------------------------------|
| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups                                      | Minimal Overgroups                   |
| 394                                 | $L_2(11)$                   | 660   | 362880 | 1551 (11), 1546 (11),<br>1575 (12), 2354 (55)          | 73, 76                               |
| 395                                 | $L_2(11)$                   | 660   | 362880 | 1551 (11), 1547 (11),<br>1575 (12), 2354 (55)          | 74, 75                               |
| 396                                 | $M_9 : 3 \times 3$          | 648   | 184800 | 765, 738, 766, 767,<br>902 (4), 1360 (9)               | 6, 240                               |
| 397                                 | $3 : S_3 : S_3 : S_3$       | 648   | 61600  | 614, 744 (3), 903 (4),<br>2032 (27)                    | 15, 178, 241 (3)                     |
| 398                                 | $3 : S_3 : S_3 : S_3$       | 648   | 369600 | 609, 740 (3), 900 (4),<br>2033 (27)                    | 30, 183                              |
| 399                                 | $3^2 : S_3 \cdot 2 : S_3$   | 648   | 184800 | 615, 619, 610, 744,<br>746 (3), 1361 (9)               | 90, 178, 242                         |
| 400                                 | $3^2 : S_3 \cdot 2 : S_3$   | 648   | 92400  | 610, 620, 621, 748<br>(6), 747 (6), 1362 (9)           | 91, 242, 243, 244                    |
| 401                                 | $3^2 : S_3 \cdot 2 : S_3$   | 648   | 184800 | 610, 622, 623, 752,<br>753 (3), 1363 (9)               | 92, 244                              |
| 402                                 | $3^3 : S_3 \cdot 2 \cdot 2$ | 648   | 15400  | 624 (3), 1334 (36)                                     | 179 (4), 245 (6), 248<br>(3)         |
| 403                                 | $3 : S_3 : S_3 : S_3$       | 648   | 30800  | 617 (4), 625 (3), 768<br>(12)                          | 180 (4), 253 (3)                     |
| 404                                 | $3 : S_3 : S_3 : 3 : 2$     | 648   | 369600 | 616, 768, 904 (4),<br>2034 (27)                        | 180                                  |
| 405                                 | $3^3 : S_3 \cdot 2 \cdot 2$ | 648   | 15400  | 626 (3), 1338 (36)                                     | 181 (4), 246 (6), 250<br>(3)         |
| 406                                 | $3 : S_3 : S_3 : S_3$       | 648   | 15400  | 621 (3), 615 (4), 745<br>(12)                          | 182 (4), 242 (6), 251<br>(3)         |
| 407                                 | $3 : S_3 : S_3 : 3 : 2$     | 648   | 184800 | 614, 745, 905 (4),<br>2035 (27)                        | 182, 241                             |
| 408                                 | $3 : S_3 : S_3 : S_3$       | 648   | 184800 | 614, 740 (3), 906 (4),<br>2036 (27)                    | 183, 241                             |
| 409                                 | $3 : S_3 : S_3 : S_3$       | 648   | 184800 | 615, 620, 619, 764<br>(3), 740 (3), 1364 (9)           | 183, 242                             |
| 410                                 | $3 : S_3 : S_3 : S_3$       | 648   | 92400  | 613 (2), 621, 622 (2),<br>619 (2), 749 (6), 750<br>(6) | 242, 244, 252                        |
| 411                                 | $3^3 : S_3 \cdot 2 : 2$     | 648   | 46200  | 626, 621, 624, 1326<br>(18)                            | 243, 247, 248, 249,<br>250, 251, 252 |
| 412                                 | $3 : S_3 : S_3 : S_3$       | 648   | 184800 | 620, 622, 623, 763<br>(3), 762 (3), 1365 (9)           | 244                                  |
| 413                                 | $3 : S_3 : S_3 : S_3$       | 648   | 46200  | 625 (2), 621, 623 (4),<br>751 (12)                     | 244 (2), 251, 253 (2)                |
| 414                                 | $3^3 : S_3 \cdot 2 : 2$     | 648   | 92400  | 624, 613 (2), 1337<br>(18), 1366 (18)                  | 245, 252, 254                        |

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|-------------------------------------|---------------------------------------|-------|--------|--|--------------------------------------|
| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups                   |
| 415                                 | $3^3 : S_3 \cdot 2 \cdot 2$           | 648   | 92400  | 624, 1339 (18)   | 245, 249, 254                        |
| 416                                 | $3^3 : S_3 \cdot 2 : 2$               | 648   | 92400  | 626, 613 (2), 1336 (18), 1366 (18)                           | 246, 252, 255                        |
| 417                                 | $3^3 : S_3 \cdot 2 \cdot 2$           | 648   | 92400  | 626, 1335 (18)   | 246, 247, 255                        |
| 418                                 | $3^2 : S_3 : S_3 : 2$                 | 648   | 92400  | 625, 624, 621, 1309 (18), 1310 (18)                          | 248, 251, 253                        |
| 419                                 | $3^2 : S_3 : S_3 \cdot 2$             | 648   | 92400  | 625, 626, 624, 1319 (18)                                     | 248, 250, 253                        |
| 420                                 | $3^3 : S_3 \cdot 2 : 2$               | 648   | 46200  | 624, 625 (2), 1322 (36)                                      | 248, 253 (2), 254 (2)                |
| 421                                 | $3^2 : S_3 : S_3 : 2$                 | 648   | 92400  | 625, 626, 621, 1309 (18), 1311 (18)                          | 250, 251, 253                        |
| 422                                 | $3^3 : S_3 \cdot 2 : 2$               | 648   | 46200  | 626, 625 (2), 1324 (36)                                      | 250, 253 (2), 255 (2)                |
| 423                                 | $2^4 : 5 : 2 \cdot 2 \times 2$        | 640   | 374220 | 629, 628, 627, 1018 (5), 1744 (16)                           | 116, 117                             |
| 424                                 | $S_5 \times 5$                        | 600   | 99792  | 631, 1077, 1079 (5), 1140 (6), 1552 (10)                     | 59, 257                              |
| 425                                 | $A_5 \times 5 : 2$                    | 600   | 199584 | 630, 1091 (5), 1093 (5), 1141 (6), 1553 (10)                 | 118, 120, 121, 260                   |
| 426                                 | $A_5 \times 5 : 2$                    | 600   | 99792  | 631, 1090 (5), 1092 (5), 1141 (6), 1554 (10)                 | 118 (2), 119, 120 (2), 257, 258, 259 |
| 427                                 | $A_5 \times 5 : 2$                    | 600   | 99792  | 631, 1086 (5), 1100 (5), 1142 (6), 1555 (10)                 | 257                                  |
| 428                                 | $2^4 : S_3 : S_3$                     | 576   | 17325  | 658, 678 (2), 808 (6), 1759 (16)                             | 42, 190 (4), 266 (6), 267 (3)        |
| 429                                 | $2^4 : S_3 : S_3$                     | 576   | 415800 | 666, 635, 633, 664, 665, 634, 667, 822 (3), 798 (3), 977 (4) | 43, 128, 157, 189                    |
| 430                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2$ | 576   | 103950 | 658, 1422 (9), 1760 (16)                                     | 51 (2), 193 (2), 266, 268, 286       |
| 431                                 | $2^4 : S_3 : S_3$                     | 576   | 51975  | 658, 636 (2), 835 (6), 1761 (16)                             | 52 (4), 267, 268 (2), 284 (2)        |
| 432                                 | $2^4 : S_3 : S_3$                     | 576   | 207900 | 661, 637, 638, 836 (3), 837 (3), 1762 (16)                   | 53 (2), 282                          |
| 433                                 | $2^4 : S_3 : S_3$                     | 576   | 207900 | 659, 644, 662, 797 (3), 798 (3), 953 (4), 932 (4)            | 66, 132 (2), 269                     |

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| Nr.                                 | Structure                              | Order | Length | Maximal Subgroups   | Minimal Overgroups                         |
| 434                                 | $2^4 : S_3 : S_3$                      | 576   | 103950 | 643 (2), 658, 798 (6),<br>923 (8)   | 66 (2), 127 (4), 189<br>(2), 266, 268, 270 |
| 435                                 | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 660, 675, 644, 791,<br>838 (3), 954 (4), 933<br>(4)   | 68, 156, 269                               |
| 436                                 | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 103950 | 643 (2), 681, 792, 838<br>(3), 948 (4), 934 (4)   | 68 (2), 270, 280, 290                      |
| 437                                 | $2^4 : S_3 : S_3$                      | 576   | 103950 | 643 (2), 682, 800 (6),<br>936 (8)   | 69 (2), 262, 264, 270                      |
| 438                                 | $2^4 : S_3 : S_3$                      | 576   | 207900 | 683, 644, 646, 800<br>(3), 799 (3), 937 (4),<br>935 (4)   | 69, 70, 269                                |
| 439                                 | $2^4 : S_3 : S_3$                      | 576   | 103950 | 684, 645 (2), 799 (6),<br>938 (8)   | 70 (2), 261, 263, 271                      |
| 440                                 | $2^4 : S_3 : S_3$                      | 576   | 207900 | 661, 645, 663, 802<br>(3), 809 (3), 956 (4),<br>939 (4)   | 71, 134 (2), 271                           |
| 441                                 | $2^4 : S_3 : S_3$                      | 576   | 207900 | 646, 659, 660, 809<br>(3), 801 (3), 955 (4),<br>940 (4)   | 71, 133 (2), 269                           |
| 442                                 | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 663, 685, 645, 789,<br>831 (3), 958 (4), 941<br>(4)   | 72, 271                                    |
| 443                                 | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 207900 | 646, 662, 675, 790,<br>831 (3), 957 (4), 942<br>(4)   | 72, 160, 269                               |
| 444                                 | $D_8 \times (S_3 \times S_3 : 2)$      | 576   | 415800 | 648, 650, 654, 632,<br>639, 649, 653, 647,<br>651, 686, 679, 680,<br>652, 677, 687, 1423<br>(9) | 93, 191, 192                               |
| 445                                 | $2^{1+4} \times 3 : S_3$               | 576   | 207900 | 676, 807, 821 (3), 978<br>(8), 933 (4)  | 112 (2), 156, 265                          |
| 446                                 | $D_8 \times 6 : 2 : S_3$               | 576   | 415800 | 672, 670, 671, 808,<br>821 (3), 978 (4)   | 112, 155, 190                              |
| 447                                 | $A_4 \times 2 \times 2 \times 2 : S_3$ | 576   | 415800 | 657, 673, 656, 817,<br>839 (3), 954 (4), 978<br>(4)   | 155, 156                                   |
| 448                                 | $Q_8 : A_4 : S_3$                      | 576   | 415800 | 674, 825 (3), 823 (3),<br>840 (3), 828 (3), 965<br>(4), 979 (4)                                 | 159  |

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| Nr.                                 | Structure                                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 449                                 | $2^{1+4} : 3 : S_3$                           | 576   | 207900 | 676, 841 (3), 829 (3), 827 (6), 965 (8), 980 (4)           | 159, 265                          |
| 450                                 | $2^4 : 3 \times 2 : S_3$                      | 576   | 207900 | 683, 659, 675, 826 (6), 824 (3), 842 (3), 979 (4), 980 (4) | 159, 269                          |
| 451                                 | $2^{1+4} : 3 : S_3$                           | 576   | 207900 | 676, 830, 810 (3), 957 (4)                                 | 160, 265                          |
| 452                                 | $2^6 : 3 \cdot 3$                             | 576   | 138600 | 843, 2412 (64)   | 194                               |
| 453                                 | $2^4 : 3 \times 2 \times 2 : 3$               | 576   | 23100  | 843, 844 (3), 981 (12)                                     | 194 (2), 195, 196, 274 (3)        |
| 454                                 | $2^4 : 3 \times 2 \times 2 : 3$               | 576   | 69300  | 811 (3), 843, 982 (12)                                     | 195, 273 (3)                      |
| 455                                 | $2^6 : 3 : 3$                                 | 576   | 34650  | 845, 843 (2), 844, 983 (4), 975 (8), 984 (12)              | 196, 276, 277 (3), 279 (3)        |
| 456                                 | $A_4 \times 2 \times 2 : 3 \times 2 \times 2$ | 576   | 17325  | 681 (3), 845 (2), 844 (2), 974 (8)                         | 196, 275 (2), 278, 280 (6)        |
| 457                                 | $2^4 : S_3 : S_3$                             | 576   | 103950 | 684, 637 (2), 846 (6), 1763 (16)                           | 261, 282, 283                     |
| 458                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2$         | 576   | 103950 | 684, 1424 (9), 1764 (16)                                   | 261, 272, 281                     |
| 459                                 | $2^4 : S_3 : S_3$                             | 576   | 51975  | 682, 636 (2), 847 (6), 1765 (16)                           | 262 (2), 284, 287 (2)             |
| 460                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2$         | 576   | 103950 | 682, 1425 (9), 1766 (16)                                   | 262, 264, 285                     |
| 461                                 | $2^4 : S_3 : S_3$                             | 576   | 103950 | 684, 638 (2), 848 (6), 1767 (16)                           | 263, 281, 282                     |
| 462                                 | $A_4 \times 2 \times 2 : S_3 \cdot 2$         | 576   | 103950 | 684, 1426 (9), 1768 (16)                                   | 263, 272, 283                     |
| 463                                 | $2^4 : S_3 : S_3$                             | 576   | 51975  | 682, 636 (2), 849 (6), 1765 (16)                           | 264 (2), 284, 287 (2)             |
| 464                                 | $2^4 : S_3 : S_3$                             | 576   | 103950 | 682, 636, 678, 850 (3), 851 (3), 1769 (16)                 | 267, 287 (2)                      |
| 465                                 | $2^4 : 3 \times 2 : S_3$                      | 576   | 51975  | 681, 658, 682, 852 (6), 853 (6), 924 (8)                   | 267, 270, 278, 284, 285, 286, 288 |
| 466                                 | $2^4 : 3 \times 2 : S_3$                      | 576   | 103950 | 678, 681, 636, 854, 855 (3), 1770 (16)                     | 267, 275, 287                     |
| 467                                 | $2^4 : S_3 : S_3$                             | 576   | 207900 | 660, 683, 662, 796 (3), 856 (3), 925 (4), 985 (4)          | 269                               |
| 468                                 | $2^4 : 3 \times 2 : S_3$                      | 576   | 103950 | 684, 685, 661, 803 (6), 804 (6), 986 (8)                   | 271, 272, 282                     |

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|-------------------------------------|--|-------|--------|---|-------------------------------------|
| Nr.                                 | Structure                                  | Order | Length | Maximal Subgroups   | Minimal Overgroups                  |
| 469                                 | $2^4 : S_3 : S_3$                          | 576   | 103950 | 684, 663 (2), 857 (6), 987 (8)  | 271, 281, 283                       |
| 470                                 | $2^4 : 3 \times 2 : S_3$                   | 576   | 103950 | 636 (2), 681, 858, 859 (3), 1771 (16)                                     | 275, 284, 287                       |
| 471                                 | $2^4 : 3 \times 2 : S_3$                   | 576   | 51975  | 682 (2), 681, 860 (6), 861 (6), 976 (8)                                   | 278, 287 (2), 290 (2)               |
| 472                                 | $A_4 \times 2 \times 2 \times 2 \cdot S_3$ | 576   | 103950 | 681, 862, 863 (3), 969 (4), 970 (4)                                       | 280, 288, 290                       |
| 473                                 | $2^4 : 3 \times 2 : S_3$                   | 576   | 207900 | 685, 637, 638, 818, 812 (3), 1772 (16)                                    | 282                                 |
| 474                                 | $A_5 \times 3 \times 3$                    | 540   | 55440  | 886 (2), 883 (2), 1118 (5), 1284 (6), 1582 (10)                           | 126, 174 (2), 291 (2), 295, 296 (2) |
| 475                                 | $A_5 \times 3 \times 3$                    | 540   | 55440  | 885 (2), 889 (2), 1119 (5), 1284 (6), 1583 (10)                           | 126, 293 (2), 294, 297 (2)          |
| 476                                 | $2^{1+4} : (D_8 \times 2)$                 | 512   | 467775 | 693, 700, 696, 695, 689, 699, 698, 692, 688, 697, 694, 691, 701, 702, 690 | 100, 198, 199, 200                  |
| 477                                 | $7 : 3 \times 2 \times 2 : S_3$            | 504   | 475200 | 704, 899, 892 (3), 1062 (4), 1367 (7)                                     | 25, 111, 147                        |
| 478                                 | $L_2(7) \times 3$                          | 504   | 237600 | 893, 1330 (7), 1368 (7), 1544 (8)   | 78, 112 (2), 175 (2), 300           |
| 479                                 | $2^3 : 7 : 3 \times 3$                     | 504   | 475200 | 894, 895, 897, 896, 1369 (7), 1544 (8)                                    | 101, 112, 177                       |
| 480                                 | $L_2(7) \times 3$                          | 504   | 237600 | 898, 1370 (14), 1544 (8)  | 112 (2), 176, 299                   |
| 481                                 | $L_2(8)$                                   | 504   | 52800  | 1573 (9), 2163 (28), 2351 (36)  | 201, 202, 203, 204                  |
| 482                                 | $3^{1+2} \times 3 : S_3$                   | 486   | 246400 | 705, 903, 901 (6), 907 (3), 902 (3)                                       | 178, 301                            |
| 483                                 | $3^{1+2} : 3 : S_3$                        | 486   | 246400 | 705, 908, 904 (6), 905 (3), 909 (3)                                       | 179, 180 (2), 181, 182, 301         |
| 484                                 | $3^{1+2} : 3 : S_3$                        | 486   | 246400 | 705, 910, 906 (3), 907 (3), 900 (6)                                       | 183, 301                            |
| 485                                 | $S_5 \times 2^2$                           | 480   | 83160  | 710 (3), 709 (3), 733, 1151 (5), 1301 (6), 1633 (10)                      | 62 (3), 129, 211 (3), 230, 304 (3)  |
| 486                                 | $S_5 \times 2^2$                           | 480   | 83160  | 732 (3), 710 (3), 724, 1157 (5), 1302 (6), 1634 (10)                      | 64, 130, 212, 217, 304 (3)          |

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| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups  | Minimal Overgroups                  |
| 487                                 | $S_5 \times 4$                           | 480   | 249480 | 725, 710, 714, 1158<br>(5), 1303 (6), 1635<br>(10)         | 65, 131, 149 (2), 213,<br>304       |
| 488                                 | $D_{10} \cdot 2 \times 2 \times 2 : S_3$ | 480   | 498960 | 728, 727, 711, 913<br>(3), 1084 (4), 1159<br>(5)           | 83, 132, 134                        |
| 489                                 | $D_{10} \cdot 2 \times 2 \times 2 : S_3$ | 480   | 498960 | 712, 722, 717, 913<br>(3), 1083 (4), 1158<br>(5)           | 83, 127, 133, 149, 214              |
| 490                                 | $A_5 \times 2 \cdot 2 : 2$               | 480   | 249480 | 732, 709, 714, 1168<br>(5), 1300 (6), 1636<br>(10)         | 106 (2), 135, 237, 304              |
| 491                                 | $A_5 \times 2 \cdot 2 : 2$               | 480   | 249480 | 720, 731, 715, 1170<br>(5), 1300 (6), 1637<br>(10)         | 108 (2), 135, 305                   |
| 492                                 | $D_{10} \cdot 2 \times 2 : 2 : S_3$      | 480   | 498960 | 713, 729, 730, 719,<br>718, 736, 735, 913<br>(3), 1180 (5) | 128, 214                            |
| 493                                 | $A_5 : 2 \times 2 \times 2$              | 480   | 83160  | 721 (3), 720 (3), 734,<br>1181 (5), 1301 (6),<br>1638 (10) | 129, 231, 305 (3)                   |
| 494                                 | $A_5 : 2 \times 2 \times 2$              | 480   | 83160  | 731 (3), 721 (3), 723,<br>1182 (5), 1302 (6),<br>1639 (10) | 130, 227, 305 (3)                   |
| 495                                 | $A_5 \times 2 \cdot 2 : 2$               | 480   | 249480 | 721, 726, 715, 1183<br>(5), 1303 (6), 1640<br>(10)         | 131, 305                            |
| 496                                 | $A_5 \times 2 \times 2 : 2$              | 480   | 83160  | 725, 709, 724, 1184<br>(5), 1304 (6), 1641<br>(10)         | 136 (3), 210, 232, 304<br>(3)       |
| 497                                 | $A_5 \times 2 \times 2 : 2$              | 480   | 249480 | 726, 720, 723, 1185<br>(5), 1304 (6), 1642<br>(10)         | 136, 226, 305                       |
| 498                                 | $D_8 \times A_5$                         | 480   | 249480 | 734, 715, 723, 1186<br>(5), 1305 (6), 1643<br>(10)         | 137, 220, 221, 305                  |
| 499                                 | $D_8 \times A_5$                         | 480   | 249480 | 733, 714, 724, 1187<br>(5), 1305 (6), 1644<br>(10)         | 137, 218, 219, 223<br>(2), 233, 304 |
| 500                                 | $A_5 \times 2 \times 2 : 2$              | 480   | 249480 | 731, 726, 734, 1188<br>(5), 1306 (6), 1645<br>(10)         | 138, 229, 305                       |

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| Nr.                                 | Structure                       | Order | Length | Maximal Subgroups   | Minimal Overgroups                      |
| 501                                 | $A_5 \times 2 \times 2 : 2$     | 480   | 249480 | 725, 732, 733, 1189 (5), 1306 (6), 1646 (10)                | 138, 228, 236, 304                      |
| 502                                 | $M_9 : S_3$                     | 432   | 554400 | 738, 920 (3), 1120 (4), 1647 (9)                            | 9, 240                                  |
| 503                                 | $M_9 : S_3$                     | 432   | 554400 | 756, 921 (3), 1121 (4), 1615 (9)                            | 20, 115                                 |
| 504                                 | $M_9 : S_3$                     | 432   | 554400 | 767, 920 (3), 1121 (4), 1614 (9)                            | 20, 240                                 |
| 505                                 | $M_9 : S_3$                     | 432   | 554400 | 766, 920 (3), 1122 (4), 1613 (9)                            | 21, 240                                 |
| 506                                 | $M_9 : S_3$                     | 432   | 554400 | 755, 922 (3), 1122 (4), 1616 (9)                            | 21, 114                                 |
| 507                                 | $A_4 : S_3 : S_3$               | 432   | 138600 | 759, 739 (2), 977 (3), 923 (6), 1123 (4)                    | 48 (2), 163 (2), 189 (4), 307, 309, 315 |
| 508                                 | $2 \times 6 \times S_3 : S_3$   | 432   | 277200 | 754, 743, 739, 923, 934 (3), 959 (3), 1110 (4)              | 49, 90, 102, 307                        |
| 509                                 | $A_4 \times S_3 : S_3$          | 432   | 277200 | 769, 739, 754, 960 (3), 950 (6), 936 (3), 924 (3), 1114 (4) | 50, 105, 307                            |
| 510                                 | $A_4 \times S_3 \times S_3$     | 432   | 138600 | 741 (2), 759, 928, 954 (6), 1108 (4)                        | 87 (2), 309, 313, 316                   |
| 511                                 | $2 \times 6 : S_3 \cdot S_3$    | 432   | 138600 | 759, 930 (3), 1109 (4), 1648 (9)                            | 89 (2), 309, 312, 323                   |
| 512                                 | $2 \times 6 : S_3 \times S_3$   | 432   | 277200 | 757, 770, 742, 932, 933 (3), 959 (3), 1112 (4)              | 90, 310                                 |
| 513                                 | $2 \times 6 : S_3 : S_3$        | 432   | 138600 | 769, 759, 743, 937 (6), 936 (6), 988 (3), 1114 (4)          | 91, 307, 312, 313                       |
| 514                                 | $2 \times 6 : S_3 : S_3$        | 432   | 138600 | 771, 742, 758, 935 (6), 938 (6), 988 (3), 1113 (4)          | 91, 310, 311, 314                       |
| 515                                 | $2 \times 6 \times S_3 : S_3$   | 432   | 277200 | 772, 742, 761, 939, 941 (3), 989 (3), 1116 (4)              | 92, 314                                 |
| 516                                 | $2 \times 6 : S_3 \times S_3$   | 432   | 277200 | 760, 743, 741, 940, 942 (3), 989 (3), 1115 (4)              | 92, 313                                 |
| 517                                 | $S_3 \times S_3 : 2 \times S_3$ | 432   | 554400 | 750, 764, 745, 740, 746, 744, 747, 946 (3), 1636 (9)        | 103, 106, 192, 241, 242                 |

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|-------------------------------------|--------------------------------------|-------|--------|---|-------------------------------------|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups   | Minimal Overgroups                  |
| 518                                 | $A_4 \times S_3 \times S_3$          | 432   | 138600 | 759, 754 (2), 944, 948 (6), 1110 (4)                        | 104 (2), 307, 316, 323              |
| 519                                 | $S_3 \times S_3 : 2 \times S_3$      | 432   | 554400 | 751, 753, 749, 752, 763, 762, 748, 961 (3), 1637 (9)        | 107, 108, 191, 244                  |
| 520                                 | $A_4 \times 3 : S_3 \cdot 2$         | 432   | 138600 | 759, 951, 1111 (4), 1649 (9)                                | 109, 166 (2), 312, 315, 316         |
| 521                                 | $A_4 \times 3 : S_3 \cdot 2$         | 432   | 138600 | 758, 962, 1117 (4), 1650 (9)                                | 110, 168 (2), 311, 317, 318         |
| 522                                 | $A_4 : S_3 : S_3$                    | 432   | 138600 | 757 (2), 758, 955 (6), 990 (3), 1124 (4)                    | 169 (2), 310, 317, 321              |
| 523                                 | $A_4 : S_3 : S_3$                    | 432   | 138600 | 760 (2), 759, 953 (6), 991 (3), 1125 (4)                    | 170 (2), 313, 315, 323              |
| 524                                 | $A_4 : S_3 : S_3$                    | 432   | 138600 | 761 (2), 758, 992 (3), 956 (6), 1126 (4)                    | 171 (2), 314, 317, 322              |
| 525                                 | $A_4 \times 3 \times 2 \times 2 : 3$ | 432   | 69300  | 975 (4), 974 (2), 981 (4), 971, 983 (2), 1118 (8)           | 174 (2), 196, 308 (2), 319, 320 (2) |
| 526                                 | $M_9 : S_3$                          | 432   | 554400 | 765, 773, 774, 920 (3), 1651 (9)                            | 240                                 |
| 527                                 | $A_4 \times S_3 : S_3$               | 432   | 277200 | 771, 757, 770, 926 (6), 985 (3), 980 (3), 964 (3), 1127 (4) | 310                                 |
| 528                                 | $A_4 \times S_3 \times S_3$          | 432   | 138600 | 758, 770 (2), 943, 957 (6), 1128 (4)                        | 310, 318, 322                       |
| 529                                 | $2 \times 6 : S_3 \cdot S_3$         | 432   | 138600 | 758, 993 (3), 1129 (4), 1652 (9)                            | 311, 321, 322                       |
| 530                                 | $A_4 \times S_3 : S_3$               | 432   | 277200 | 760, 769, 741, 925 (3), 994 (6), 995 (3), 979 (3), 1130 (4) | 313                                 |
| 531                                 | $A_4 \times S_3 : S_3$               | 432   | 277200 | 772, 771, 761, 996 (6), 997 (3), 986 (3), 987 (3), 1131 (4) | 314                                 |
| 532                                 | $A_4 \times S_3 \times S_3$          | 432   | 138600 | 772 (2), 758, 998, 958 (6), 1132 (4)                        | 314, 318, 321                       |
| 533                                 | $35 : 3 : 2 \cdot 2$                 | 420   | 570240 | 775, 1008, 1288 (5), 1556 (7)                               | 27, 147                             |
| 534                                 | $A_5 \times 7$                       | 420   | 95040  | 1292 (5), 1419 (6), 1557, 1741 (10)                         | 256, 325                            |
| 535                                 | $5^2 : 2 \cdot 2 \cdot 2 : 2$        | 400   | 299376 | 779 (2), 778, 2210 (25)                                     | 51, 326                             |
| 536                                 | $5^2 : 2 : 2 : 2 : 2$                | 400   | 299376 | 776 (2), 780 (2), 778, 781, 782, 2211 (25)                  | 52, 53 (2), 326                     |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups   | Minimal Overgroups         |
| 537                                 | $5^2 : 2 \cdot 2 : 2 \cdot 2$       | 400   | 299376 | 778, 777 (2), 1303 (10)   | 149 (2), 326               |
| 538                                 | $2^{1+4} : 2 : S_3$                 | 384   | 311850 | 807, 810, 841, 1011 (3), 1150 (4)   | 31, 184, 265 (2), 327      |
| 539                                 | $D_8 \times 2^3 : S_3$              | 384   | 311850 | 792, 801 (2), 794, 842, 796 (2), 790, 798 (2), 853, 800 (2), 838, 864, 1019 (3), 1164 (4)     | 93 (2), 269 (2), 270, 337  |
| 540                                 | $D_8 \times 2^3 : S_3$              | 384   | 623700 | 831, 802, 804, 805, 793, 857, 789, 797, 824, 799, 791, 856, 809, 795, 832, 1019 (3), 1165 (4) | 93, 116, 198, 269, 271     |
| 541                                 | $2^4 \cdot 2 : 2 : S_3$             | 384   | 623700 | 818, 848, 803, 836, 846, 837, 812, 1020 (3), 1149 (4)   | 117, 199, 282              |
| 542                                 | $2^{1+4} : 2 : S_3$                 | 384   | 623700 | 834, 830, 821, 822, 829, 806, 833, 1011 (3)   | 122, 200, 265              |
| 543                                 | $2^{1+4} \times 2 : S_3$            | 384   | 155925 | 865, 866, 807, 1021 (3), 1190 (8), 1152 (4)   | 139 (2), 327, 328, 334     |
| 544                                 | $2 \times 4 : 2 : 2 \times 2 : S_3$ | 384   | 311850 | 835, 855, 808, 854, 850, 851, 852, 1021 (3), 1190 (4)   | 139, 267, 333              |
| 545                                 | $D_8 \times 2^2 : 2 : 2 : 3$        | 384   | 155925 | 1022, 1191 (4), 1192 (4), 1193 (4), 1194 (8)  | 185 (2), 329, 331, 335     |
| 546                                 | $2^{1+4} : (2 \times 6)$            | 384   | 155925 | 866, 810 (2), 1023, 1195 (4)  | 186 (2), 327, 330, 342     |
| 547                                 | $2^{1+4} : 2 : S_3$                 | 384   | 311850 | 865, 810, 841, 1024 (3), 1196 (4)   | 187, 327                   |
| 548                                 | $2^6 : S_3$                         | 384   | 207900 | 816 (3), 811, 819 (3), 1025 (3), 1149 (12)  | 199 (3), 273               |
| 549                                 | $D_8 \times 2^2 : 2 : S_3$          | 384   | 623700 | 867, 820, 814, 868, 815, 785, 783, 1026 (3), 1149 (4)   | 199                        |
| 550                                 | $2^6 : 3 : 2$                       | 384   | 207900 | 843, 1025, 1197 (12), 1198 (4), 1178 (4)  | 273 (3), 274, 277          |
| 551                                 | $2^6 : S_3$                         | 384   | 34650  | 858 (3), 854 (3), 844, 1025 (3), 1176 (12)  | 274 (2), 275, 276, 333 (3) |

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| Nr.                                 | Structure                                     | Order | Length | Maximal Subgroups  | Minimal Overgroups              |
| 552                                 | $2^4 : 3 : 2 \times 2 \times 2$               | 384   | 103950 | 855 (3), 859 (3), 844, 1025, 1177 (4)  | 275, 277, 333                   |
| 553                                 | $D_8 \times (A_4 \times 2) : 2$               | 384   | 103950 | 839 (3), 869 (3), 845, 1025, 1199 (4)  | 276, 277, 336 (3)               |
| 554                                 | $2^6 : S_3$                                   | 384   | 103950 | 860 (3), 852 (3), 844, 1027 (3), 1175 (8), 1200 (4)  | 278, 279, 333                   |
| 555                                 | $2^6 : S_3$                                   | 384   | 103950 | 853 (3), 861 (3), 870 (3), 871 (3), 792, 862, 845, 1027 (3), 1201 (4)                              | 278, 280, 337 (3)               |
| 556                                 | $A_4 \times 2 \times 2 \times 2 \times 2 : 2$ | 384   | 155925 | 838 (2), 863 (2), 845, 872, 873, 1027, 1202 (4)  | 279 (2), 280 (2), 332, 336, 337 |
| 557                                 | $D_8 \times 2 : 2 \times 2 : S_3$             | 384   | 311850 | 835 (2), 849, 852, 859, 847, 858, 1028 (3), 1148 (4)   | 284, 333                        |
| 558                                 | $D_8 \times 2 : 2 \times 2 : S_3$             | 384   | 311850 | 851 (2), 859, 860, 854, 847, 849, 1029 (3), 1203 (4)   | 287, 333                        |
| 559                                 | $2 \times 4 : 2 : 2 \times 2 : S_3$           | 384   | 311850 | 850 (2), 858, 860, 855, 847, 849, 1029 (3), 1204 (4)   | 287, 333                        |
| 560                                 | $2^3 \times 4 : 2 : S_3$                      | 384   | 311850 | 853, 874, 794, 862, 863, 875, 876, 1030 (3), 1180 (4)  | 288, 337                        |
| 561                                 | $2^{1+4} : (2 \times 6)$                      | 384   | 51975  | 866 (3), 1031, 1177 (8), 1205 (4), 1206 (8)  | 289, 334, 338 (3), 342 (3)      |
| 562                                 | $2^{1+4} : A_4$                               | 384   | 103950 | 1031, 1178 (8), 1207 (4), 1208 (4), 1147 (12), 1209 (24), 1210 (12), 1211 (12), 1212 (4), 1213 (4) | 289, 339 (3)                    |
| 563                                 | $2^{1+4} \times A_4$                          | 384   | 51975  | 873 (3), 877 (6), 839 (6), 1031, 1214 (4)  | 289, 336 (3), 340 (3), 341      |
| 564                                 | $2^3 \times 4 : 2 : S_3$                      | 384   | 311850 | 792, 878, 864, 861, 863, 879, 876, 1032 (3), 1215 (4)  | 290, 337                        |
| 565                                 | $D_8 \times 2^3 : S_3$                        | 384   | 311850 | 838, 874, 842, 861, 862, 878, 880, 1032 (3), 1216 (4)  | 290, 337                        |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups                                     | Minimal Overgroups |
| 566                                 | $2^{1+4} \times 2 : S_3$            | 384   | 155925 | 866, 841 (2), 1033 (3), 1217 (8), 1218 (4)            | 327, 338, 343      |
| 567                                 | $2^{1+4} : 12$                      | 384   | 155925 | 866, 1034, 1219 (4)                                   | 328, 342, 343      |
| 568                                 | $2^{1+4} \times 2 \cdot S_3$        | 384   | 155925 | 866, 1035 (3), 1220 (4), 1221 (8)                     | 328, 330, 338      |
| 569                                 | $2^{1+4} \times 2 : S_3$            | 384   | 155925 | 865 (2), 866, 1036 (3), 1204 (8), 1222 (4)            | 330, 334, 343      |
| 570                                 | $D_8 \times 2^3 \cdot S_3$          | 384   | 155925 | 873, 880 (2), 1037 (3), 1223 (4)                      | 332, 341, 344      |
| 571                                 | $D_8 \times 2^3 \cdot S_3$          | 384   | 155925 | 881 (2), 873, 1038 (3), 1224 (4)                      | 332, 340, 345      |
| 572                                 | $D_8 \times (A_4 \times 2) \cdot 2$ | 384   | 311850 | 839, 872, 869, 1039, 1225 (4)                         | 336                |
| 573                                 | $D_8 \times (A_4 \times 2) \cdot 2$ | 384   | 155925 | 869 (2), 873, 1040, 1226 (4)                          | 336, 344, 345      |
| 574                                 | $2^4 \cdot 2 \times 2 : S_3$        | 384   | 311850 | 864, 878, 794, 874, 872, 870, 871, 1041 (3), 1227 (4) | 337                |
| 575                                 | $D_8 \times 2^3 : S_3$              | 384   | 155925 | 873, 876 (2), 790, 871 (2), 880, 1042 (3), 1228 (4)   | 337, 341, 345      |
| 576                                 | $D_8 \times 2^3 : S_3$              | 384   | 155925 | 842 (2), 879, 875, 870 (2), 873, 1043 (3), 1229 (4)   | 337, 340, 344      |
| 577                                 | $D_8 : 2^3 \cdot S_3$               | 384   | 311850 | 877, 875, 881, 1044 (3), 1230 (4)                     | 340                |
| 578                                 | $D_8 : 2^3 : S_3$                   | 384   | 311850 | 877, 788 (2), 879, 840 (2), 881, 1045 (3), 1231 (4)   | 340                |
| 579                                 | $A_6$                               | 360   | 166320 | 1545 (6), 1549 (6), 1768 (10), 2037 (15), 2038 (15)   | 18, 347, 353, 357  |
| 580                                 | $A_6$                               | 360   | 166320 | 1547 (12), 1773 (10), 2039 (30)                       | 18, 350, 352, 356  |
| 581                                 | $A_6$                               | 360   | 166320 | 1546 (12), 1774 (10), 2039 (30)                       | 18, 348, 354, 358  |
| 582                                 | $A_6$                               | 360   | 166320 | 1548 (6), 1545 (6), 1764 (10), 2038 (15), 2037 (15)   | 18, 349, 351, 355  |

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| Nr.                                 | Structure                | Order | Length | Maximal Subgroups                                   | Minimal Overgroups  |
| 583                                 | $A_5 : S_3$              | 360   | 27720  | 886, 1077 (3), 1312 (5), 1558 (6), 1775 (10)        | 42, 162 (4), 210 (4), 291 (4), 359 (6), 360 (3)                     |
| 584                                 | $2 \times 10 : 3 : S_3$  | 360   | 166320 | 890, 1085 (6), 1079 (3), 1101 (3), 1285 (4), 1312   | 59, 361   |
| 585                                 | $S_5 \times 3$           | 360   | 166320 | 886, 1077, 1329 (5), 1559 (6), 1776 (10)            | 78, 164 (2), 217 (2), 291 (2), 359, 363, 364                        |
| 586                                 | $15 : 2 : S_3 \cdot 2$   | 360   | 332640 | 882, 887, 891, 1347 (5), 1745 (9)                   | 118, 166, 168, 366  |
| 587                                 | $A_5 \times S_3$         | 360   | 166320 | 886, 1090 (3), 1348 (5), 1554 (6), 1777 (10)        | 119, 165 (2), 218 (2), 295 (2), 359, 364, 365                       |
| 588                                 | $A_5 \times S_3$         | 360   | 332640 | 885, 1091 (3), 1351 (5), 1554 (6), 1778 (10)        | 120, 165, 220, 294, 367   |
| 589                                 | $A_5 \times S_3$         | 360   | 332640 | 883, 1090 (3), 1349 (5), 1553 (6), 1778 (10)        | 120, 167, 219, 223 (2), 295, 368                                    |
| 590                                 | $A_5 \times S_3$         | 360   | 332640 | 889, 1091 (3), 1350 (5), 1553 (6), 1779 (10)        | 121, 167, 221, 294, 369   |
| 591                                 | $S_5 \times 3$           | 360   | 332640 | 883, 1086, 1367 (5), 1556 (6), 1780 (10)            | 147 (2), 173, 230, 296, 368   |
| 592                                 | $A_6$                    | 360   | 924    | 1560 (6), 1557 (6), 1781 (10), 2040 (15), 2041 (15) | 148 (6), 188 (36), 292 (20), 298 (20), 362 (15), 370 (45), 377 (15) |
| 593                                 | $A_5 : S_3$              | 360   | 110880 | 885, 1088 (3), 1371 (5), 1558 (6), 1782 (10)        | 162, 226 (3), 293, 367 (3)  |
| 594                                 | $D_{10} \cdot S_3 : S_3$ | 360   | 332640 | 887, 884 (2), 1083 (6), 1372 (5)                    | 163, 169, 214 (2), 366  |
| 595                                 | $A_5 \times 3 : 2$       | 360   | 332640 | 885, 1088, 1373 (5), 1559 (6), 1783 (10)            | 164, 227, 293, 367  |
| 596                                 | $D_{10} \cdot S_3 : S_3$ | 360   | 332640 | 887, 888 (2), 1084 (6), 1374 (5)                    | 170, 171, 366   |
| 597                                 | $A_5 : S_3$              | 360   | 110880 | 883, 1086 (3), 1375 (5), 1561 (6), 1784 (10)        | 172, 228 (3), 296, 368 (3)  |
| 598                                 | $A_5 : S_3$              | 360   | 110880 | 889, 1094 (3), 1376 (5), 1561 (6), 1785 (10)        | 172, 229 (3), 297, 369 (3)  |

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|-------------------------------------|--------------------------------|-------|--------|--|--------------------------------------|
| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                   |
| 599                                 | $A_5 \times 3 : 2$             | 360   | 332640 | 889, 1094, 1377 (5),<br>1556 (6), 1786 (10)                              | 173, 231, 297, 369                   |
| 600                                 | $2 \times 10 : 3 \times 3 : 2$ | 360   | 166320 | 890, 1096 (2), 1092,<br>1095, 1284 (4), 1378<br>(5)                      | 174, 361, 371, 372                   |
| 601                                 | $A_6$                          | 360   | 166320 | 1551 (12), 1787 (10),<br>2042 (30)                                       | 346, 380, 381                        |
| 602                                 | $A_5 \times 3 \times 2$        | 360   | 83160  | 886, 1090, 1378 (5),<br>1562 (6), 1788 (10)                              | 360, 363, 365, 378,<br>382, 383, 384 |
| 603                                 | $A_5 : S_3$                    | 360   | 83160  | 886, 1086 (3), 1379<br>(5), 1563 (6), 1789<br>(10)                       | 360, 364 (2), 382 (2)                |
| 604                                 | $2 \times 10 : 3 : S_3$        | 360   | 166320 | 890, 1102 (6), 1100<br>(3), 1103 (3), 1286<br>(4), 1379 (5)              | 361                                  |
| 605                                 | $L_2(7) : 2$                   | 336   | 356400 | 898, 1738 (8), 2212<br>(21), 2355 (28)                                   | 31, 299 (2), 385                     |
| 606                                 | $L_2(7) \times 2$              | 336   | 356400 | 893, 1629 (7), 1653<br>(7), 1742 (8)                                     | 98, 139, 197 (2), 300<br>(2), 387    |
| 607                                 | $L_2(7) \times 2$              | 336   | 178200 | 898, 1654 (14), 1742<br>(8)  | 139 (2), 385, 386, 388<br>(8)        |
| 608                                 | $2^3 : 7 : 3 \times 2$         | 336   | 356400 | 894, 1107, 1655 (7),<br>1742 (8)   | 139, 389                             |
| 609                                 | $3 : S_3 : S_3 : 3$            | 324   | 123200 | 1123, 1293 (4), 2356<br>(27)   | 41 (3), 302, 398 (3)                 |
| 610                                 | $3^3 : S_3 \cdot 2$            | 324   | 92400  | 911, 1111 (2), 1117<br>(2), 1790 (9)                                     | 126, 399 (2), 400, 401<br>(2)        |
| 611                                 | $3^{1+2} : 2 : S_3$            | 324   | 739200 | 909, 902, 910, 1133<br>(3), 1134 (3), 1120<br>(3), 1121 (3), 1122<br>(3) | 240, 301                             |
| 612                                 | $3^2 : S_3 : S_3$              | 324   | 739200 | 903, 905, 906, 1130<br>(3), 1120 (3)                                     | 241, 301                             |
| 613                                 | $3^2 : S_3 : S_3$              | 324   | 184800 | 907 (2), 908, 1134<br>(12), 1127 (6), 1130<br>(6)                        | 301 (4), 410, 414, 416               |
| 614                                 | $3 : S_3 : S_3 : 3$            | 324   | 61600  | 1123, 1294 (4), 2357<br>(27)   | 302, 397, 407 (3), 408<br>(3)        |
| 615                                 | $3^2 : S_3 : S_3$              | 324   | 61600  | 911 (3), 1123, 1110<br>(9)   | 302, 399 (3), 406, 409<br>(3)        |
| 616                                 | $3 : S_3 : S_3 : 3$            | 324   | 123200 | 1135, 1295 (4), 2358<br>(27)   | 303, 404 (3)                         |

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|-------------------------------------|------------------------------------|-------|--------|---|---|
| Nr.                                 | Structure                          | Order | Length | Maximal Subgroups   | Minimal Overgroups                                |
| 617                                 | $3^2 : S_3 : S_3$                  | 324   | 123200 | 912 (3), 1135, 1136 (9)                                       | 303, 403  |
| 618                                 | $3 : S_3 : S_3 : 3$                | 324   | 246400 | 1135, 1296 (4), 2359 (27)                                     | 303   |
| 619                                 | $3^2 : S_3 : S_3$                  | 324   | 184800 | 907 (2), 911, 1125, 1108 (3), 1112 (6)                        | 399, 409, 410                                     |
| 620                                 | $3^2 : S_3 \cdot S_3$              | 324   | 92400  | 911, 1109 (6), 1129 (6), 1791 (9)                             | 400, 409 (2), 412 (2)                             |
| 621                                 | $3^2 : S_3 : S_3$                  | 324   | 46200  | 911 (2), 908, 1114 (12), 1113 (12)                            | 400 (2), 406, 410 (2), 411, 413, 418 (2), 421 (2) |
| 622                                 | $3^2 : S_3 : S_3$                  | 324   | 184800 | 907 (2), 911, 1124, 1115 (6), 1128 (3)                        | 401, 410, 412                                     |
| 623                                 | $3^2 : S_3 : S_3$                  | 324   | 184800 | 912 (2), 911, 1126, 1116 (6), 1132 (3)                        | 401, 412, 413                                     |
| 624                                 | $3^3 : S_3 \cdot 2$                | 324   | 46200  | 908, 1766 (18), 1764 (36), 1774 (36)                          | 402, 411, 414 (2), 415 (2), 418 (2), 419 (2), 420 |
| 625                                 | $3^2 : S_3 : S_3$                  | 324   | 92400  | 912 (2), 908, 1137 (12), 1131 (12)                            | 403, 413, 418, 419, 420, 421, 422                 |
| 626                                 | $3^3 : S_3 \cdot 2$                | 324   | 46200  | 908, 1766 (18), 1768 (36), 1773 (36)                          | 405, 411, 416 (2), 417 (2), 419 (2), 421 (2), 422 |
| 627                                 | $2^4 : 5 : 2 \cdot 2$              | 320   | 374220 | 914, 1427 (5), 2150 (16)                                      | 184, 423  |
| 628                                 | $2^4 : 5 : 2 \times 2$             | 320   | 374220 | 915, 916, 914, 1428 (5), 2152 (16)                            | 185, 186, 423                                     |
| 629                                 | $2^4 : 5 : 2 \cdot 2$              | 320   | 374220 | 914, 1429 (5), 2151 (16)                                      | 187, 423  |
| 630                                 | $A_5 \times 5$                     | 300   | 199584 | 1560, 1564 (5), 1610 (6), 2004 (10)                           | 188, 425  |
| 631                                 | $A_5 \times 5$                     | 300   | 99792  | 1557, 1565 (5), 1610 (6), 2005 (10)                           | 188 (2), 424, 426, 427                            |
| 632                                 | $3 : S_3 \cdot 2 : 2 \times 2 : 2$ | 288   | 415800 | 999, 1000, 992, 943, 917, 993, 918, 1834 (9)                  | 35 (2), 322, 444                                  |
| 633                                 | $2^3 : S_3 \times S_3$             | 288   | 415800 | 936 (2), 948, 934, 923 (2), 924, 1151 (3), 1164 (3), 1340 (4) | 62, 103 (2), 127 (2), 211, 270, 307 (2), 429      |
| 634                                 | $A_4 \times 2 \times 2 : S_3$      | 288   | 138600 | 976 (3), 924 (3), 974, 1201 (3), 1175 (6), 1157 (3), 1380 (4) | 64, 212, 278, 308, 429 (3)                        |

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|-------------------------------------|---|-------|--------|---|---|
| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups   | Minimal Overgroups                            |
| 635                                 | $2^3 \cdot S_3 : S_3$                   | 288   | 415800 | 924, 970, 969, 1158 (3), 1180 (3), 1372 (4)                                     | 65, 213, 214 (2), 288, 429                    |
| 636                                 | $2^4 : 3 : S_3$                         | 288   | 103950 | 971, 1232, 1233 (3), 2164 (16)  | 79 (4), 431, 459, 463, 464, 466, 470 (2)      |
| 637                                 | $2^4 : 3 : S_3$                         | 288   | 207900 | 973, 1234, 1235 (3), 2165 (16)  | 80 (2), 432, 457, 473                         |
| 638                                 | $2^4 : 3 : S_3$                         | 288   | 207900 | 973, 1236, 1237 (3), 2166 (16)  | 81 (2), 432, 461, 473                         |
| 639                                 | $S_3 \times 2^2 \times S_3 : 2$         | 288   | 415800 | 918, 927, 931, 977, 930, 929, 928, 1835 (9)                                     | 100 (2), 309, 444                             |
| 640                                 | $2^3 : S_3 \times S_3$                  | 288   | 831600 | 933, 935, 957, 932, 980, 955, 985, 1150 (3), 1164 (3), 1345 (4)                 | 103, 132, 265, 269, 310                       |
| 641                                 | $2^3 \times S_3 : S_3$                  | 288   | 831600 | 942, 953, 937, 925, 940, 954, 979, 1160 (3), 1165 (3), 1345 (4)                 | 107, 133, 269, 313                            |
| 642                                 | $2^3 \times S_3 : S_3$                  | 288   | 831600 | 986, 956, 958, 939, 941, 938, 987, 1165 (3), 1161 (3), 1346 (4)                 | 107, 134, 271, 314                            |
| 643                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 207900 | 971, 1157, 1187 (3), 1329 (4), 1348 (4)   | 109, 217 (2), 218 (2), 308 (2), 434, 436, 437 |
| 644                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 207900 | 972, 1156, 1187 (3), 1330 (4), 1349 (4)   | 109, 175 (4), 219 (2), 433, 435, 438          |
| 645                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 207900 | 973, 1163, 1186 (3), 1332 (4), 1350 (4)   | 110, 221 (2), 439, 440, 442                   |
| 646                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 207900 | 972, 1162, 1186 (3), 1331 (4), 1351 (4)   | 110, 220 (2), 438, 441, 443                   |
| 647                                 | $D_8 \times S_3 \times S_3$             | 288   | 415800 | 964 (2), 966, 959 (2), 945, 960 (2), 943, 988, 963 (2), 977, 944, 990, 1164 (6) | 128 (2), 307, 310, 444                        |
| 648                                 | $D_{12} \times S_3 : 2 \times 2$        | 288   | 138600 | 947 (3), 927 (3), 946 (3), 998, 962, 1001 (3), 943, 1836 (9)                    | 129, 318, 444 (3)                             |
| 649                                 | $3 : S_3 \cdot 2 \times 2 \times 2 : 2$ | 288   | 138600 | 947 (3), 999 (3), 961 (3), 951, 944, 1002 (3), 928, 1837 (9)                    | 130, 316, 444 (3)                             |

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| Nr.                                 | Structure                               | Order | Length | Maximal Subgroups                                     | Minimal Overgroups  |
| 650                                 | $3 : S_3 \cdot 2 \times 2 \cdot 2 : 2$  | 288   | 415800 | 947, 1000, 949, 945, 929, 1003, 952, 1838 (9)         | 131, 444  |
| 651                                 | $3 : S_3 \cdot 2 \times 2 : 2 : 2$      | 288   | 415800 | 966, 918, 961, 946, 967, 949, 968, 1839 (9)           | 135, 142 (2), 444   |
| 652                                 | $3 : S_3 \cdot 2 \times 2 \times 2 : 2$ | 288   | 415800 | 946, 917, 951, 977, 1004, 991, 952, 1840 (9)          | 136, 315, 444   |
| 653                                 | $D_8 \times (3 : S_3 \cdot 2)$          | 288   | 415800 | 962, 993, 951, 988, 1005, 930, 949, 1841 (9)          | 137, 311, 312, 444  |
| 654                                 | $3 : S_3 \cdot 2 \times 2 : 2 : 2$      | 288   | 415800 | 952, 931, 961, 990, 992, 1006, 962, 1842 (9)          | 138, 317, 444   |
| 655                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 831600 | 975, 1175, 1187 (3), 1368 (4), 1349 (4)               | 175, 223, 279, 308  |
| 656                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 415800 | 984, 1176, 1238 (3), 1370 (4), 1381 (4)               | 176 (2), 276, 447   |
| 657                                 | $2^4 : 3 : 3 \times 2$                  | 288   | 415800 | 984, 1178 (2), 1179, 1177, 1382 (4), 1369 (4)         | 177 (2), 277, 289, 447                                    |
| 658                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 17325  | 971, 1239 (6), 1184 (6), 1312 (8)                     | 210 (8), 319 (4), 428, 430 (6), 431 (3), 434 (6), 465 (3) |
| 659                                 | $2^4 : 3 : S_3$                         | 288   | 207900 | 972, 1240 (6), 1185 (3), 1189 (3), 1375 (4), 1371 (4) | 226 (2), 228 (2), 433, 441, 450                           |
| 660                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 207900 | 972, 1182, 1169 (3), 1373 (4), 1381 (4)               | 227 (2), 435, 441, 467                                    |
| 661                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 103950 | 973, 1188 (6), 1241 (6), 1376 (8)                     | 229 (4), 432 (2), 440 (2), 468                            |
| 662                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 207900 | 972, 1151, 1242 (3), 1367 (4), 1383 (4)               | 230 (2), 433, 443, 467                                    |
| 663                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 207900 | 973, 1181, 1243 (3), 1377 (4), 1384 (4)               | 231 (2), 440, 442, 469                                    |
| 664                                 | $2^3 \times 6 : S_3$                    | 288   | 415800 | 934, 974, 969, 1184, 1202 (3), 1385 (4)               | 232, 280, 319, 429  |
| 665                                 | $A_4 \times 2 \times 2 : S_3$           | 288   | 415800 | 970, 974, 948, 1201, 1187 (3), 1385 (4)               | 233, 280, 308, 429  |
| 666                                 | $2^3 \times S_3 : S_3$                  | 288   | 415800 | 948, 976, 969, 1215 (3), 1189 (3), 1386 (4)           | 236, 290, 429   |

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| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups   | Minimal Overgroups                                |
| 667                                 | $2^3 \cdot S_3 : S_3$             | 288   | 415800 | 934, 970, 976, 1216 (3), 1168 (3), 1386 (4)                                       | 237, 290, 429                                     |
| 668                                 | $2^4 : 3 : S_3$                   | 288   | 831600 | 982, 1244, 1197 (3), 2167 (16)  | 273   |
| 669                                 | $2^4 : 3 : S_3$                   | 288   | 277200 | 981, 1245, 1198 (3), 2168 (16)  | 274, 320  |
| 670                                 | $2^3 \times 6 : S_3$              | 288   | 138600 | 983, 1245, 1199 (3), 1370 (12)  | 276, 320, 446 (3)                                 |
| 671                                 | $2^4 : 3 \times 3 : 2$            | 288   | 415800 | 983, 1198 (2), 1246, 1199, 1369 (4)   | 277, 320, 446                                     |
| 672                                 | $2^3 \times 6 : S_3$              | 288   | 415800 | 983, 1239, 1202 (3), 1368 (8), 1387 (4)   | 279, 319, 446                                     |
| 673                                 | $A_4 \times 2 \times 2 : S_3$     | 288   | 415800 | 984, 1200, 1247 (3), 1387 (4), 1349 (4)   | 279, 447  |
| 674                                 | $Q_8 : (A_4 \times 3)$            | 288   | 415800 | 1206, 1248, 1213, 1212, 1382 (4), 1360 (4)  | 289, 448  |
| 675                                 | $2^4 : 3 : 3 \times 2$            | 288   | 207900 | 972, 1207 (2), 1205, 1249, 1388 (4), 1382 (4)                                     | 289, 435, 443, 450                                |
| 676                                 | $2^{1+4} : 3^2$                   | 288   | 207900 | 1208 (2), 1250, 1214, 1369 (8), 1388 (4), 1360 (8)                                | 289, 445, 449, 451                                |
| 677                                 | $D_8 \times S_3 \times S_3$       | 288   | 415800 | 989 (2), 995 (2), 1003, 998, 991, 988, 1007 (2), 997 (2), 992, 967, 928, 1165 (6) | 313, 314, 444                                     |
| 678                                 | $2^4 : 3 : S_3$                   | 288   | 34650  | 971, 1245, 1246 (3), 2169 (16)  | 320 (4), 428, 464 (3), 466 (3)                    |
| 679                                 | $Q_{12} : S_3 : 2 : 2$            | 288   | 415800 | 1004, 929, 998, 990, 1002, 993, 968, 1843 (9)                                     | 321, 444  |
| 680                                 | $S_3 \times S_3 : 2 \times 2 : 2$ | 288   | 415800 | 1001, 1000, 930, 944, 968, 991, 1006, 1844 (9)                                    | 323, 444  |
| 681                                 | $2^4 : 3 : 3 \times 2$            | 288   | 51975  | 971, 1251 (2), 1252 (2), 1378 (8)   | 436 (2), 456, 465, 466 (2), 470 (2), 471, 472 (2) |
| 682                                 | $2^4 : 3 : S_3$                   | 288   | 51975  | 971, 1253 (6), 1254 (6), 1379 (8)   | 437 (2), 459, 460 (2), 463, 464 (2), 465, 471 (2) |

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| Nr.                                 | Structure                             | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 683                                 | $2^4 : 3 : S_3$                       | 288   | 207900 | 972, 1255 (6), 1256 (3), 1174 (3), 1389 (4), 1390 (4)  | 438, 450, 467                     |
| 684                                 | $2^4 : 3 : S_3$                       | 288   | 103950 | 973, 1257 (6), 1258 (6), 1391 (8)  | 439, 457, 458, 461, 462, 468, 469 |
| 685                                 | $2^4 : 3 : 3 \times 2$                | 288   | 103950 | 973, 1192 (2), 1195 (2), 1392 (8)  | 442 (2), 468, 473 (2)             |
| 686                                 | $S_3 \times S_3 : 2 \times 2 : 2$     | 288   | 415800 | 1001, 999, 1005, 945, 1004, 967, 931, 1845 (9)   | 444                               |
| 687                                 | $S_3 \times S_3 : 2 \times 2 : 2$     | 288   | 415800 | 927, 917, 1002, 966, 1005, 1006, 1003, 1846 (9)  | 444                               |
| 688                                 | $2^{1+4} : 2^3$                       | 256   | 467775 | 1019, 1014 (2), 1016, 1046, 1010 (2), 1013, 1009 (2), 1015 (2), 1028, 1047, 1020                 | 150 (2), 151, 476                 |
| 689                                 | $2^{1+4} : 2^3$                       | 256   | 467775 | 1011 (2), 1024 (2), 1023, 1017, 1012 (2), 1048 (2), 1018, 1021, 1019, 1033, 1049                 | 152, 327, 476                     |
| 690                                 | $2^{1+4} : (2 \times 4)$              | 256   | 467775 | 1030, 1035, 1021, 1050, 1016, 1051, 1034   | 154, 328, 476                     |
| 691                                 | $D_8 \times 2^2 : 2 \times 2 \cdot 2$ | 256   | 467775 | 1027, 1052, 1016, 1038, 1017, 1053, 1037   | 158, 332, 476                     |
| 692                                 | $2^{1+4} : (2 \times 4)$              | 256   | 467775 | 1030, 1054, 1017, 1055, 1028, 1056, 1057   | 161, 476                          |
| 693                                 | $2 \times 4 : 2 \times 2 : 2 : 2 : 2$ | 256   | 155925 | 1019 (3), 1030 (3), 1032 (6), 1043 (3), 1041 (6), 1042 (3), 1022, 1058 (3), 1027 (3)             | 329, 337 (3), 476 (3)             |
| 694                                 | $2^{1+4} : D_8$                       | 256   | 467775 | 1022, 1053, 1013, 1056, 1023, 1036, 1035   | 330, 331, 476                     |
| 695                                 | $2^{1+4} : 2^3$                       | 256   | 155925 | 1027, 1059 (6), 1060 (3), 1029 (6), 1028 (3), 1036 (3), 1021 (3), 1039 (2), 1040, 1025 (2), 1031 | 333 (2), 334, 336, 476 (3)        |

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| Nr.                                 | Structure                        | Order | Length | Maximal Subgroups   | Minimal Overgroups   |
| 696                                 | $2^{1+4} : D_8$                  | 256   | 467775 | 1018, 1052, 1020,<br>1060, 1022, 1054,<br>1051  | 335, 476   |
| 697                                 | $2^{1+4} : D_8$                  | 256   | 467775 | 1043, 1026 (2), 1061<br>(2), 1054, 1047, 1045<br>(2), 1044 (2), 1038,<br>1033, 1035, 1031 | 338, 339 (2), 340, 476                                     |
| 698                                 | $2^{1+4} : D_8$                  | 256   | 155925 | 1042 (3), 1055 (3),<br>1020 (3), 1037 (3),<br>1023, 1034, 1031                            | 341, 342, 476 (3)  |
| 699                                 | $2^{1+4} : D_8$                  | 256   | 467775 | 1058, 1052, 1046,<br>1057, 1033, 1036,<br>1034  | 343, 476   |
| 700                                 | $D_8 \times 2^3 \cdot 2 : 2$     | 256   | 467775 | 1043, 1051, 1046,<br>1040, 1049, 1056,<br>1037  | 344, 476   |
| 701                                 | $D_8 \times 2^2 \cdot 2 : 2 : 2$ | 256   | 467775 | 1042, 1050, 1013,<br>1040, 1018, 1057,<br>1038  | 345, 476   |
| 702                                 | $2^{1+4} : D_8$                  | 256   | 467775 | 1058, 1060, 1049,<br>1055, 1047, 1053,<br>1050  | 476  |
| 703                                 | $7 : 3 : 2 \times S_3$           | 252   | 950400 | 1064, 1062, 1063,<br>1289, 1287 (3), 1780<br>(7)  | 33, 147  |
| 704                                 | $7 : 3 \times 2 \times 2 : 3$    | 252   | 475200 | 1291 (2), 1292, 1290,<br>1544 (4), 1792 (7)   | 175 (2), 176, 177 (2),<br>256, 477                         |
| 705                                 | $3^{1+2} : 3^2$                  | 243   | 246400 | 1297, 1295 (2), 1296<br>(4), 1293 (2), 1298,<br>1299 (2), 1294                            | 302, 303 (2), 482,<br>483, 484                             |
| 706                                 | $A_5 : 2 \times 2$               | 240   | 997920 | 1070, 1076, 1073,<br>1656 (5), 1744 (6),<br>2043 (10)                                     | 20, 53, 117, 208   |
| 707                                 | $A_5 : 2 \times 2$               | 240   | 997920 | 1072, 1075, 1071,<br>1657 (5), 1744 (6),<br>2043 (10)                                     | 21, 53, 117, 206   |
| 708                                 | $S_5 \times 2$                   | 240   | 997920 | 1068, 1074, 1069,<br>1658 (5), 1744 (6),<br>2044 (10)                                     | 52, 116, 206, 208  |
| 709                                 | $S_5 \times 2$                   | 240   | 83160  | 1077 (2), 1090, 1628<br>(5), 1746 (6), 2045<br>(10)                                       | 97 (2), 215 (3), 359<br>(6), 363, 485 (3), 490<br>(3), 496 |

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|-------------------------------------|--------------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                            | Order | Length | Maximal Subgroups  | Minimal Overgroups                                    |
| 710                                 | $S_5 \times 2$                       | 240   | 249480 | 1077, 1086, 1090, 1630 (5), 1747 (6), 2046 (10)          | 98, 216, 257 (2), 360, 364 (2), 485, 486, 487         |
| 711                                 | $D_{20} \times 2 : S_3$              | 240   | 498960 | 1093, 1104, 1080, 1305 (3), 1553 (4), 1629 (5)           | 118, 197 (2), 219, 221, 488                           |
| 712                                 | $D_{20} \times 2 : S_3$              | 240   | 498960 | 1079, 1092, 1100, 1305 (3), 1554 (4), 1630 (5)           | 118, 218, 220, 257, 361, 489                          |
| 713                                 | $D_{10} \cdot 2 \times 2 \times S_3$ | 240   | 498960 | 1089, 1082 (2), 1081, 1083 (2), 1087, 1301 (3), 1635 (5) | 149 (2), 211, 492                                     |
| 714                                 | $A_5 \times 2 \cdot 2$               | 240   | 249480 | 1090, 1649 (5), 1745 (6), 2047 (10)                      | 166 (2), 222, 258 (2), 383, 487, 490, 499             |
| 715                                 | $A_5 \times 2 \cdot 2$               | 240   | 249480 | 1091, 1650 (5), 1745 (6), 2048 (10)                      | 168 (2), 222, 491, 495, 498                           |
| 716                                 | $D_{20} \times 2 : S_3$              | 240   | 997920 | 1085, 1102, 1096, 1305 (3), 1553 (4), 1653 (5)           | 197, 223, 361   |
| 717                                 | $D_{20} \times 2 \cdot S_3$          | 240   | 166320 | 1092, 1304 (3), 1558 (4), 1659 (5)                       | 210, 226 (3), 259 (3), 371, 489 (3)                   |
| 718                                 | $D_{20} \times 2 \cdot S_3$          | 240   | 166320 | 1087 (3), 1097 (3), 1095, 1302 (3), 1660 (5)             | 212, 372, 492 (3)                                     |
| 719                                 | $D_{10} \cdot 2 \times 2 \cdot S_3$  | 240   | 498960 | 1087, 1098, 1099, 1303 (3), 1661 (5)                     | 213, 492  |
| 720                                 | $A_5 : 2 \times 2$                   | 240   | 249480 | 1088 (2), 1091, 1662 (5), 1746 (6), 2049 (10)            | 215, 367 (4), 491, 493, 497                           |
| 721                                 | $A_5 : 2 \times 2$                   | 240   | 249480 | 1088, 1094, 1091, 1663 (5), 1747 (6), 2050 (10)          | 216, 493, 494, 495                                    |
| 722                                 | $2 \times 10 : 3 : 2 \cdot 2$        | 240   | 498960 | 1092, 1302, 1559 (4), 1649 (5)                           | 217, 227, 258, 372, 489                               |
| 723                                 | $A_5 \times 2 \times 2$              | 240   | 83160  | 1091 (3), 1664 (5), 1748 (6), 2051 (10)                  | 224, 374, 494, 497 (3), 498 (3)                       |
| 724                                 | $A_5 \times 2 \times 2$              | 240   | 27720  | 1090 (3), 1665 (5), 1748 (6), 2052 (10)                  | 224 (3), 373, 378, 379 (2), 486 (3), 496 (3), 499 (9) |
| 725                                 | $A_5 \times 2 \cdot 2$               | 240   | 83160  | 1090, 1659 (5), 1749 (6), 2053 (10)                      | 225 (3), 259 (6), 384, 487 (3), 496, 501 (3)          |
| 726                                 | $A_5 \times 2 \cdot 2$               | 240   | 249480 | 1091, 1666 (5), 1749 (6), 2054 (10)                      | 225, 260 (4), 495, 497, 500                           |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups                           |
| 727                                 | $D_{20} \times 2 \cdot S_3$         | 240   | 498960 | 1093, 1306 (3), 1561 (4), 1666 (5)                           | 228, 229, 260 (2), 488                       |
| 728                                 | $2 \times 10 : 3 : 2 \cdot 2$       | 240   | 498960 | 1093, 1301, 1556 (4), 1667 (5)                               | 230, 231, 488                                |
| 729                                 | $15 : 2 \times 2 \cdot 2 : 2$       | 240   | 498960 | 1089, 1095, 1099, 1304, 1668 (5)                             | 232, 371, 492                                |
| 730                                 | $D_{20} \times 2 : S_3$             | 240   | 498960 | 1081, 1103, 1101, 1098, 1095, 1105, 1106, 1305 (3), 1669 (5) | 233, 361, 492                                |
| 731                                 | $A_5 : 2 \times 2$                  | 240   | 249480 | 1094 (2), 1091, 1670 (5), 1750 (6), 2044 (10)                | 234, 369 (4), 491, 494, 500                  |
| 732                                 | $S_5 \times 2$                      | 240   | 249480 | 1086 (2), 1090, 1671 (5), 1750 (6), 2055 (10)                | 234, 368 (4), 382, 486, 490, 501             |
| 733                                 | $A_5 \times 2 \times 2$             | 240   | 83160  | 1090 (3), 1672 (5), 1751 (6), 2056 (10)                      | 235, 365 (3), 376, 485, 499 (3), 501 (3)     |
| 734                                 | $A_5 \times 2 \times 2$             | 240   | 83160  | 1091 (3), 1673 (5), 1751 (6), 2057 (10)                      | 235, 375, 493, 498 (3), 500 (3)              |
| 735                                 | $D_{10} \cdot 2 \times 2 : S_3$     | 240   | 498960 | 1097, 1081, 1099, 1306 (3), 1674 (5)                         | 236, 492                                     |
| 736                                 | $D_{10} \cdot 2 \times 2 \cdot S_3$ | 240   | 498960 | 1089, 1098, 1097, 1300 (3), 1675 (5)                         | 237, 492                                     |
| 737                                 | $2^3 : 7 \times 2 \times 2$         | 224   | 118800 | 1107 (3), 1847, 2012 (8)                                     | 389, 390, 391, 392                           |
| 738                                 | $M_9 : 3$                           | 216   | 184800 | 1333, 1584 (4), 2058 (9)                                     | 15, 396, 502 (3)                             |
| 739                                 | $A_4 \times 3 : S_3$                | 216   | 277200 | 1118, 1312, 1368 (6), 1329 (3), 1385 (3), 1585 (4)           | 78, 291 (2), 308 (2), 319 (2), 507, 508, 509 |
| 740                                 | $S_3 \times S_3 : S_3$              | 216   | 554400 | 1109, 1123, 1108, 1316 (3), 2059 (9)                         | 122 (2), 309, 398 (2), 408, 409, 517         |
| 741                                 | $A_4 \times 3 \times S_3$           | 216   | 277200 | 1118, 1321, 1381, 1320 (2), 1382 (3), 1581 (4)               | 124 (2), 510, 516, 530                       |
| 742                                 | $6^2 : S_3$                         | 216   | 138600 | 1119, 1332 (2), 1330 (2), 1393 (3), 1583 (4)                 | 126, 512 (2), 514, 515 (2)                   |
| 743                                 | $6^2 : S_3$                         | 216   | 138600 | 1118, 1329 (2), 1331 (2), 1393 (3), 1582 (4)                 | 126, 508 (2), 513, 516 (2)                   |

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|-------------------------------------|------------------------------|-------|--------|--|---|
| Nr.                                 | Structure                    | Order | Length | Maximal Subgroups  | Minimal Overgroups                                  |
| 744                                 | $3 : S_3 \cdot 2 : S_3$      | 216   | 184800 | 1125, 1123, 1111, 1342 (3), 2060 (9)                     | 162, 315 (3), 397, 399, 517 (3)                     |
| 745                                 | $S_3 \times S_3 \times S_3$  | 216   | 184800 | 1114 (3), 1110 (3), 1123, 1340 (9)                       | 163 (3), 307 (3), 406, 407, 517 (3)                 |
| 746                                 | $3^2 : S_3 \cdot 2 : 2$      | 216   | 554400 | 1108, 1110, 1111, 1342, 2061 (9)                         | 164, 316, 399, 517                                  |
| 747                                 | $3 : S_3 \cdot 2 \times S_3$ | 216   | 554400 | 1109, 1114, 1111, 1347 (3), 2047 (9)                     | 165, 166, 312, 400, 517                             |
| 748                                 | $3 : S_3 \cdot 2 \times S_3$ | 216   | 554400 | 1113, 1117, 1129, 1347 (3), 2048 (9)                     | 167, 168, 311, 400, 519                             |
| 749                                 | $S_3 \times S_3 \times S_3$  | 216   | 554400 | 1127 (2), 1112 (2), 1113, 1124, 1128, 1394 (3), 1345 (6) | 169, 310, 410, 519                                  |
| 750                                 | $S_3 \times S_3 \times S_3$  | 216   | 554400 | 1130 (2), 1115 (2), 1114, 1125, 1108, 1345 (6), 1395 (3) | 170, 313, 410, 517                                  |
| 751                                 | $S_3 \times S_3 \times S_3$  | 216   | 554400 | 1131 (2), 1116 (2), 1113, 1126, 1132, 1325 (3), 1346 (6) | 171, 314, 413, 519                                  |
| 752                                 | $3 : S_3 \cdot 2 : S_3$      | 216   | 184800 | 1126, 1124, 1117, 1352 (3), 2062 (9)                     | 172, 317 (3), 401, 519 (3)                          |
| 753                                 | $3^2 : S_3 \cdot 2 : 2$      | 216   | 554400 | 1132, 1128, 1117, 1352, 2063 (9)                         | 173, 318, 401, 519                                  |
| 754                                 | $A_4 \times 3 \times S_3$    | 216   | 277200 | 1118, 1348, 1353, 1354 (2), 1378 (3), 1582 (4)           | 174, 508, 509, 518                                  |
| 755                                 | $M_9 : 3$                    | 216   | 554400 | 1334, 1586 (4), 2064 (9)                                 | 179, 506  |
| 756                                 | $M_9 : 3$                    | 216   | 554400 | 1338, 1587 (4), 2065 (9)                                 | 181, 503  |
| 757                                 | $A_4 \times 3 : S_3$         | 216   | 277200 | 1119, 1371, 1373 (3), 1313 (6), 1396 (3), 1588 (4)       | 293 (2), 512, 522, 527                              |
| 758                                 | $A_4 \times 3 : S_3$         | 216   | 138600 | 1119, 1397, 1350 (6), 1351 (6), 1589 (4)                 | 294 (2), 514, 521, 522, 524, 528, 529, 532          |
| 759                                 | $A_4 \times 3 : S_3$         | 216   | 138600 | 1118, 1380, 1348 (6), 1349 (6), 1585 (4)                 | 295 (2), 308 (4), 507, 510, 511, 513, 518, 520, 523 |
| 760                                 | $A_4 \times 3 : S_3$         | 216   | 277200 | 1118, 1375, 1398 (6), 1399 (3), 1367 (3), 1590 (4)       | 296 (2), 516, 523, 530                              |

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| Nr.                                 | Structure                   | Order | Length | Maximal Subgroups   | Minimal Overgroups                 |
| 761                                 | $6^2 : S_3$                 | 216   | 277200 | 1119, 1376, 1400 (3),<br>1401 (6), 1377 (3),<br>1591 (4)                    | 297 (2), 515, 524, 531             |
| 762                                 | $S_3 \times S_3 : S_3$      | 216   | 554400 | 1129, 1124, 1132,<br>1402 (3), 2066 (9)                                     | 321, 412, 519                      |
| 763                                 | $S_3 \times S_3 : S_3$      | 216   | 554400 | 1129, 1128, 1126,<br>1402 (3), 2067 (9)                                     | 322, 412, 519                      |
| 764                                 | $S_3 \times S_3 : S_3$      | 216   | 554400 | 1125, 1110, 1109,<br>1316 (3), 2068 (9)                                     | 323, 409, 517                      |
| 765                                 | $3^2 : S_3 \cdot 2 \cdot 2$ | 216   | 184800 | 1138 (3), 1333, 2069<br>(9)   | 396, 526 (3)                       |
| 766                                 | $M_9 : 3$                   | 216   | 184800 | 1333, 1592 (4), 2070<br>(9)   | 396, 505 (3)                       |
| 767                                 | $M_9 : 3$                   | 216   | 184800 | 1333, 1593 (4), 2071<br>(9)   | 396, 504 (3)                       |
| 768                                 | $S_3 \times S_3 \times S_3$ | 216   | 369600 | 1136 (3), 1137 (3),<br>1135, 1323 (9)                                       | 403, 404                           |
| 769                                 | $A_4 \times 3 : S_3$        | 216   | 138600 | 1118, 1403 (12), 1404<br>(12), 1389 (6), 1405<br>(3), 1379 (6), 1594<br>(4) | 509 (2), 513, 530 (2)              |
| 770                                 | $A_4 \times 3 \times S_3$   | 216   | 277200 | 1119, 1343, 1314 (2),<br>1383, 1388 (3), 1595<br>(4)                        | 512, 527, 528                      |
| 771                                 | $A_4 \times 3 : S_3$        | 216   | 138600 | 1119, 1315 (12), 1406<br>(12), 1390 (6), 1391<br>(6), 1407 (3), 1596<br>(4) | 514, 527 (2), 531 (2)              |
| 772                                 | $A_4 \times 3 \times S_3$   | 216   | 277200 | 1119, 1408, 1409 (2),<br>1384, 1392 (3), 1597<br>(4)                        | 515, 531, 532                      |
| 773                                 | $3 : S_3 \cdot 2 : S_3$     | 216   | 554400 | 1138, 1133 (2), 1356<br>(3), 2072 (9)                                       | 526                                |
| 774                                 | $3 : S_3 \cdot 2 \cdot S_3$ | 216   | 554400 | 1138, 1355 (3), 2073<br>(9)   | 526                                |
| 775                                 | $35 : 3 : 2$                | 210   | 570240 | 1139, 1419, 1742 (5),<br>2006 (7)   | 197 (2), 256, 533                  |
| 776                                 | $5^2 : 2 : 2 : 2$           | 200   | 598752 | 1143, 1144, 1141,<br>2424 (25)  | 79, 80, 81, 536                    |
| 777                                 | $5^2 : 2 : 2 \cdot 2$       | 200   | 598752 | 1140, 1141, 1142,<br>1745 (5), 1747 (5)                                     | 257, 258, 537                      |
| 778                                 | $5^2 : 2 \cdot 2 : 2$       | 200   | 299376 | 1145, 1141, 1146,<br>1749 (10)  | 259 (2), 260 (4), 535,<br>536, 537 |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                  |
| 779                                 | $5^2 : 2 \cdot 2 \cdot 2$ | 200   | 598752  | 1145, 2425 (25)  | 535                                 |
| 780                                 | $5^2 : 2 : 2 \cdot 2$     | 200   | 598752  | 1143, 1145, 1144, 1744 (10)  | 536                                 |
| 781                                 | $5^2 : 2 : 2 : 2$         | 200   | 299376  | 1144 (2), 1146, 2426 (25)  | 536                                 |
| 782                                 | $5^2 : 2 \cdot 2 \cdot 2$ | 200   | 299376  | 1143 (2), 1146, 2427 (25)  | 536                                 |
| 783                                 | $D_8 \times 2 : 2 : S_3$  | 192   | 623700  | 1259, 1260, 1261, 1430 (3), 1656 (4)   | 20 (2), 549                         |
| 784                                 | $2^{1+4} : S_3$           | 192   | 1247400 | 1211, 1430 (3), 1624 (4), 1615 (4), 1614 (4)                                 | 20, 339                             |
| 785                                 | $D_8 \times 2 : 2 : S_3$  | 192   | 623700  | 1262, 1261, 1263, 1431 (3), 1657 (4)   | 21 (2), 549                         |
| 786                                 | $2^{1+4} : S_3$           | 192   | 1247400 | 1210, 1431 (3), 1624 (4), 1613 (4), 1616 (4)                                 | 21, 339                             |
| 787                                 | $2^{1+4} : S_3$           | 192   | 1247400 | 1147, 1420 (3), 1618 (4), 1615 (4), 1616 (4)                                 | 47, 339                             |
| 788                                 | $D_8 \times 2^2 : S_3$    | 192   | 623700  | 1238, 1264, 1265, 1421 (3), 1619 (4)   | 111 (2), 578                        |
| 789                                 | $2^5 : S_3$               | 192   | 207900  | 1150 (3), 1152 (3), 1181, 1196 (3), 1163, 1195, 1218 (3), 1432 (3), 1638 (4) | 129, 327 (3), 442, 540 (3)          |
| 790                                 | $2^5 : S_3$               | 192   | 51975   | 1151 (4), 1153 (6), 1249, 1162 (4), 1432 (3), 1633 (4)                       | 129 (4), 443 (4), 539 (6), 575 (3)  |
| 791                                 | $2^5 : S_3$               | 192   | 207900  | 1152 (3), 1222 (3), 1266 (3), 1161 (3), 1205, 1182, 1156, 1433 (3), 1639 (4) | 130, 334, 435, 540 (3)              |
| 792                                 | $2^5 : S_3$               | 192   | 103950  | 1153 (3), 1160 (6), 1267 (3), 1157 (2), 1252, 1433 (3), 1634 (4)             | 130 (2), 436, 539 (3), 555, 564 (3) |
| 793                                 | $2^3 \times 4 : S_3$      | 192   | 623700  | 1219, 1183, 1152, 1159, 1268, 1154, 1220, 1434 (3), 1640 (4)                 | 131, 328, 540                       |

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| Nr.                                 | Structure              | Order | Length | Maximal Subgroups  | Minimal Overgroups                   |
| 794                                 | $2^3 \times 4 : S_3$   | 192   | 311850 | 1269, 1158 (2), 1153, 1155 (2), 1270, 1434 (3), 1635 (4)     | 131 (2), 539, 560, 574               |
| 795                                 | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 1154, 1173, 1150, 1170, 1171, 1172, 1161, 1423 (3), 1637 (4) | 135, 191 (2), 540                    |
| 796                                 | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 1155, 1167, 1151, 1169, 1168, 1174, 1160, 1423 (3), 1636 (4) | 135, 192 (2), 467, 539               |
| 797                                 | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 1159, 1166, 1150, 1271, 1242, 1185, 1156, 1435 (3), 1642 (4) | 136, 184, 433, 540                   |
| 798                                 | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 1158, 1189, 1151, 1168, 1187, 1184, 1157, 1435 (3), 1641 (4) | 136, 304 (2), 429 (2), 433, 434, 539 |
| 799                                 | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 1163, 1156, 1186, 1272, 1256, 1154, 1258, 1436 (3), 1643 (4) | 137, 438, 439, 540                   |
| 800                                 | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 1162, 1157, 1187, 1273, 1254, 1155, 1174, 1436 (3), 1644 (4) | 137, 437, 438, 539                   |
| 801                                 | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 1189, 1160, 1158, 1169, 1162, 1273, 1274, 1437 (3), 1646 (4) | 138, 441, 539                        |
| 802                                 | $D_8 \times 2^2 : S_3$ | 192   | 623700 | 1275, 1163, 1243, 1161, 1188, 1276, 1159, 1437 (3), 1645 (4) | 138, 440, 540                        |
| 803                                 | $2^5 : S_3$            | 192   | 623700 | 1241, 1257, 1192, 1428 (3), 1676 (8), 1622 (4)               | 185, 331, 468, 541                   |
| 804                                 | $2^5 : S_3$            | 192   | 623700 | 1222, 1258, 1195, 1173, 1188, 1166, 1220, 1428 (3), 1677 (4) | 186, 330, 468, 540                   |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups                 |
| 805                                 | $D_8 \times 2^2 : S_3$         | 192   | 623700  | 1171, 1276, 1196, 1183, 1272, 1266, 1166, 1438 (3), 1678 (4)                 | 187, 540                           |
| 806                                 | $2 \times 4 : 2 : 2 \cdot S_3$ | 192   | 623700  | 1224, 1223, 1202, 1422 (3)   | 193, 332, 542                      |
| 807                                 | $2^{1+4} : S_3$                | 192   | 51975   | 1250, 1439 (3), 1627 (4), 1679 (8)   | 239 (2), 445 (4), 538 (6), 543 (3) |
| 808                                 | $D_8 \times 2 : 2 : S_3$       | 192   | 103950  | 1245, 1239, 1246, 1439 (3), 1679 (4)   | 239, 428, 446 (4), 544 (3)         |
| 809                                 | $D_8 \times 2^2 : S_3$         | 192   | 623700  | 1182, 1188, 1181, 1185, 1186, 1170, 1183, 1437 (3), 1680 (4)                 | 305 (2), 440, 441, 540             |
| 810                                 | $2^{1+4} : 6$                  | 192   | 311850  | 1250, 1440, 1681 (4)   | 306, 451 (2), 538, 546, 547        |
| 811                                 | $2^4 : 3 \times 2 \times 2$    | 192   | 207900  | 1191 (3), 1441, 1682 (12), 1683 (8)  | 329 (3), 454, 548                  |
| 812                                 | $2^4 : 3 : 2 \times 2$         | 192   | 623700  | 1237, 1192, 1235, 1442, 1682 (4)   | 329, 473, 541                      |
| 813                                 | $2^2 \times 4 \cdot 2 : 3 : 2$ | 192   | 1247400 | 1194, 1443, 1682 (4)   | 329                                |
| 814                                 | $4^2 : 3 : 2 \times 2$         | 192   | 623700  | 1193, 1260, 1262, 1444, 1682 (4)   | 329, 549                           |
| 815                                 | $2 \times 4^2 : S_3$           | 192   | 623700  | 1277, 1193, 1261, 1445 (3), 1622 (4)   | 331, 549                           |
| 816                                 | $2^5 : S_3$                    | 192   | 623700  | 1278, 1244, 1191, 1446 (3), 1622 (4), 1626 (4), 1620 (4)                     | 331, 548                           |
| 817                                 | $2^5 : S_3$                    | 192   | 415800  | 1148 (3), 1203 (3), 1190 (3), 1177, 1200, 1204 (3), 1176, 1447 (3), 1639 (4) | 333, 334, 447                      |
| 818                                 | $2^5 : S_3$                    | 192   | 207900  | 1234, 1236, 1192, 1442 (3), 1684 (12)  | 335 (3), 473, 541 (3)              |
| 819                                 | $2^5 : S_3$                    | 192   | 623700  | 1278 (2), 1191, 1448 (3), 1684 (4), 1656 (4), 1657 (4)                       | 335, 548                           |
| 820                                 | $2 \times 4^2 : S_3$           | 192   | 623700  | 1259, 1193, 1263, 1449 (3), 1684 (4)   | 335, 549                           |
| 821                                 | $2^{1+4} : 6$                  | 192   | 623700  | 1199 (2), 1225 (2), 1202, 1226, 1214, 1439                                   | 336, 445, 446 (2), 542             |

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| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups |
| 822                                 | $2 \times 4 : 2 : 2 : S_3$  | 192   | 623700  | 1164 (2), 1229, 1227 (2), 1228, 1180 (2), 1216 (2), 1215 (2), 1202, 1201 (2), 1435 (3) | 337, 429 (2), 542  |
| 823                                 | $Q_8 \times 2^2 : S_3$      | 192   | 1247400 | 1206, 1217, 1221, 1450 (3), 1685 (4)   | 338, 448           |
| 824                                 | $2^5 : S_3$                 | 192   | 623700  | 1218, 1256, 1185, 1220, 1205, 1276, 1172, 1451 (3), 1685 (4)                           | 338, 450, 540      |
| 825                                 | $Q_8 \times 2^2 : S_3$      | 192   | 1247400 | 1213, 1450 (3), 1686 (4), 1616 (4), 1614 (4)   | 339, 448           |
| 826                                 | $2^5 : S_3$                 | 192   | 1247400 | 1255, 1207, 1240, 1451 (3), 1686 (4), 1618 (4), 1624 (4)                               | 339, 450           |
| 827                                 | $2^{1+4} : S_3$             | 192   | 1247400 | 1208, 1452 (3), 1618 (4), 1614 (4), 1613 (4)   | 339, 449           |
| 828                                 | $Q_8 \times 2^2 : S_3$      | 192   | 1247400 | 1212, 1450 (3), 1686 (4), 1615 (4), 1613 (4)   | 339, 448           |
| 829                                 | $2^{1+4} : S_3$             | 192   | 623700  | 1230 (2), 1224, 1229, 1231 (2), 1214, 1452 (3)   | 340, 449, 542      |
| 830                                 | $2^{1+4} : S_3$             | 192   | 207900  | 1228 (3), 1223 (3), 1214, 1440 (3)   | 341, 451, 542 (3)  |
| 831                                 | $D_8 \times (A_4 \times 2)$ | 192   | 623700  | 1195, 1186, 1242, 1219, 1205, 1243, 1171, 1432, 1687 (4)                               | 342, 442, 443, 540 |
| 832                                 | $2^3 \times 4 : S_3$        | 192   | 623700  | 1218, 1275, 1271, 1222, 1219, 1272, 1170, 1453 (3), 1688 (4)                           | 343, 540           |
| 833                                 | $2 \times 4 : 2 : 2 : S_3$  | 192   | 623700  | 1226, 1223, 1229, 1454 (3)   | 344, 542           |
| 834                                 | $2 \times 4 : 2 : 2 : S_3$  | 192   | 623700  | 1226, 1224, 1228, 1427 (3)   | 345, 542           |
| 835                                 | $2 \times 4 : 2 : 2 : S_3$  | 192   | 311850  | 1233, 1239, 1232, 1455 (3), 1658 (4)   | 431, 544, 557 (2)  |
| 836                                 | $D_8 \times 2 : 2 : S_3$    | 192   | 623700  | 1237, 1241, 1234, 1456 (3), 1656 (4)   | 432, 541           |

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| Nr.                                 | Structure                                 | Order | Length | Maximal Subgroups  | Minimal Overgroups                          |
| 837                                 | $D_8 \times 2 : 2 : S_3$                  | 192   | 623700 | 1236, 1241, 1235, 1456 (3), 1657 (4)                         | 432, 541                                    |
| 838                                 | $D_8 \times (A_4 \times 2)$               | 192   | 311850 | 1249, 1252, 1187 (2), 1169 (2), 1269, 1433, 1689 (4)         | 435 (2), 436, 539, 556, 565                 |
| 839                                 | $D_8 \times (A_4 \times 2)$               | 192   | 311850 | 1247 (2), 1279, 1179, 1238 (2), 1280, 1447, 1690 (4)         | 447 (4), 553, 563, 572                      |
| 840                                 | $Q_8 \times 2^2 : S_3$                    | 192   | 623700 | 1248, 1264, 1265, 1450 (3), 1651 (4)                         | 448 (2), 578                                |
| 841                                 | $2^{1+4} : S_3$                           | 192   | 311850 | 1250, 1452 (3), 1691 (4), 1647 (8)                           | 449 (2), 538, 547, 566                      |
| 842                                 | $2^5 : S_3$                               | 192   | 311850 | 1270, 1174 (2), 1189 (2), 1267, 1249, 1451 (3), 1692 (4)     | 450 (2), 539, 565, 576                      |
| 843                                 | $2^6 : 3$                                 | 192   | 23100  | 1441, 1693 (36), 1694 (12), 1695 (36)                        | 452 (6), 453, 454 (3), 455 (3), 550 (9)     |
| 844                                 | $2^4 : 3 \times 2 \times 2$               | 192   | 34650  | 1251 (3), 1441, 1696 (8), 1697 (12)                          | 453 (2), 455, 456, 551, 552 (3), 554 (3)    |
| 845                                 | $A_4 \times 2 \times 2 \times 2 \times 2$ | 192   | 17325  | 1252 (6), 1280 (9), 1441, 1698 (4)                           | 455 (2), 456 (2), 553 (6), 555 (6), 556 (9) |
| 846                                 | $D_8 \times 2 : 2 : S_3$                  | 192   | 623700 | 1234, 1257, 1235, 1457 (3), 1620 (4)                         | 457, 541                                    |
| 847                                 | $D_8 \times 2 : 2 : S_3$                  | 192   | 311850 | 1233, 1253, 1232, 1458 (3), 1621 (4)                         | 459, 557, 558, 559                          |
| 848                                 | $D_8 \times 2 : 2 : S_3$                  | 192   | 623700 | 1236, 1257, 1237, 1459 (3), 1626 (4)                         | 461, 541                                    |
| 849                                 | $D_8 \times 2 : 2 : S_3$                  | 192   | 311850 | 1233, 1253, 1232, 1460 (3), 1625 (4)                         | 463, 557, 558, 559                          |
| 850                                 | $D_8 \times 2 : 2 : S_3$                  | 192   | 311850 | 1246, 1253, 1232, 1461 (3), 1699 (4)                         | 464, 544, 559 (2)                           |
| 851                                 | $D_8 \times 2 : 2 : S_3$                  | 192   | 311850 | 1245, 1253, 1233, 1461 (3), 1700 (4)                         | 464, 544, 558 (2)                           |
| 852                                 | $2^5 : S_3$                               | 192   | 311850 | 1251, 1253, 1239, 1462 (3), 1653 (8), 1623 (4)               | 465, 544, 554, 557                          |
| 853                                 | $2^5 : S_3$                               | 192   | 311850 | 1153, 1252, 1184, 1274, 1254, 1270, 1167, 1462 (3), 1669 (4) | 465, 539, 555, 560                          |
| 854                                 | $2^5 : S_3$                               | 192   | 103950 | 1232, 1251, 1245, 1463 (3), 1654 (12)                        | 466, 544 (3), 551, 558 (3)                  |

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| Nr.                                 | Structure                                | Order | Length | Maximal Subgroups  | Minimal Overgroups                |
| 855                                 | $2^4 : 3 : 2 \times 2$                   | 192   | 311850 | 1251, 1246, 1233, 1463, 1655 (4)                             | 466, 544, 552, 559                |
| 856                                 | $D_8 \times 2^2 : S_3$                   | 192   | 623700 | 1242, 1275, 1196, 1182, 1256, 1268, 1173, 1423 (3), 1617 (4) | 467, 540                          |
| 857                                 | $D_8 \times 2^2 : S_3$                   | 192   | 623700 | 1181, 1268, 1271, 1258, 1243, 1266, 1172, 1464 (3), 1701 (4) | 469, 540                          |
| 858                                 | $2^5 : S_3$                              | 192   | 103950 | 1232 (2), 1251, 1465 (3), 1702 (12)                          | 470, 551, 557 (3), 559 (3)        |
| 859                                 | $2^4 : 3 : 2 \times 2$                   | 192   | 311850 | 1251, 1233 (2), 1465, 1703 (4)                               | 470, 552, 557, 558                |
| 860                                 | $2^5 : S_3$                              | 192   | 311850 | 1253 (2), 1251, 1466 (3), 1704 (8), 1705 (4)                 | 471, 554, 558, 559                |
| 861                                 | $2^5 : S_3$                              | 192   | 311850 | 1252, 1281 (2), 1254 (2), 1282, 1267, 1466 (3), 1706 (4)     | 471, 555, 564, 565                |
| 862                                 | $2^5 \cdot S_3$                          | 192   | 103950 | 1270 (3), 1282 (3), 1252, 1467 (3), 1660 (4)                 | 472, 555, 560 (3), 565 (3)        |
| 863                                 | $A_4 \times 2 \times 2 \times 2 \cdot 2$ | 192   | 311850 | 1252, 1269, 1283, 1467, 1668 (4)                             | 472, 556, 560, 564                |
| 864                                 | $2^3 \times 4 : S_3$                     | 192   | 311850 | 1267, 1168 (2), 1153, 1273 (2), 1269, 1468 (3), 1707 (4)     | 539, 564, 574                     |
| 865                                 | $2^{1+4} : S_3$                          | 192   | 155925 | 1250, 1469 (3), 1708 (4), 1699 (8)                           | 543, 547 (2), 569 (2)             |
| 866                                 | $2^{1+4} : 6$                            | 192   | 155925 | 1250, 1470, 1709 (8), 1655 (8), 1710 (4)                     | 543, 546, 561, 566, 567, 568, 569 |
| 867                                 | $D_8 \times 2 : 2 : S_3$                 | 192   | 623700 | 1277, 1260, 1263, 1471 (3), 1626 (4)                         | 549                               |
| 868                                 | $D_8 \times 2 : 2 : S_3$                 | 192   | 623700 | 1277, 1262, 1259, 1472 (3), 1620 (4)                         | 549                               |
| 869                                 | $A_4 \times 2 \cdot 2 \times 2 : 2$      | 192   | 311850 | 1279 (2), 1280, 1473, 1711 (4)                               | 553, 572, 573                     |
| 870                                 | $2^5 : S_3$                              | 192   | 311850 | 1270, 1281 (2), 1274 (2), 1280, 1267, 1474 (3), 1712 (4)     | 555, 574, 576                     |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups   |
| 871                                 | $2^5 : S_3$                         | 192   | 311850 | 1153, 1281 (2), 1167 (2), 1282, 1280, 1475 (3), 1713 (4) | 555, 574, 575  |
| 872                                 | $A_4 \times 2 \cdot 2 \times 2 : 2$ | 192   | 155925 | 1269 (2), 1280, 1476, 1714 (4)                           | 556, 572 (2), 574 (2)  |
| 873                                 | $D_8 \times (A_4 \times 2)$         | 192   | 155925 | 1247 (4), 1283, 1249, 1280, 1477, 1715 (4)               | 556, 563, 570, 571, 573, 575, 576                                  |
| 874                                 | $2^3 \times 4 \cdot S_3$            | 192   | 311850 | 1270, 1269, 1282, 1478 (3), 1675 (4)                     | 560, 565, 574  |
| 875                                 | $2^3 \times 4 \cdot S_3$            | 192   | 155925 | 1270 (2), 1283, 1479 (3), 1661 (4)                       | 560 (2), 576, 577 (2)  |
| 876                                 | $2^3 \times 4 : S_3$                | 192   | 311850 | 1283, 1153, 1282, 1480 (3), 1674 (4)                     | 560, 564, 575  |
| 877                                 | $D_8 : (A_4 \times 2)$              | 192   | 311850 | 1247 (2), 1248, 1283, 1279 (2), 1238, 1481, 1716 (4)     | 563, 577, 578  |
| 878                                 | $2^3 \times 4 : S_3$                | 192   | 311850 | 1267, 1269, 1282, 1482 (3), 1717 (4)                     | 564, 565, 574  |
| 879                                 | $2^3 \times 4 : S_3$                | 192   | 155925 | 1267 (2), 1264 (4), 1283, 1483 (3), 1718 (4)             | 564 (2), 576, 578 (2)  |
| 880                                 | $2^5 \cdot S_3$                     | 192   | 155925 | 1282 (2), 1249, 1484 (3), 1719 (4)                       | 565 (2), 570 (2), 575  |
| 881                                 | $2^3 \times 4 \cdot S_3$            | 192   | 311850 | 1265 (2), 1283, 1485 (3), 1720 (4)                       | 571, 577, 578  |
| 882                                 | $15 : S_3 \cdot 2$                  | 180   | 332640 | 1285, 1781, 2153 (9)                                     | 188, 586   |
| 883                                 | $A_5 \times 3$                      | 180   | 110880 | 1557, 1792 (5), 2006 (6), 2170 (10)                      | 256 (6), 298, 376 (3), 379 (2), 474, 589 (3), 591 (3), 597         |
| 884                                 | $15 : 2 \cdot S_3$                  | 180   | 665280 | 1284, 1558, 1559 (3), 1793 (5)                           | 291, 293, 371, 372, 594  |
| 885                                 | $A_5 \times 3$                      | 180   | 110880 | 1560, 1794 (5), 2007 (6), 2171 (10)                      | 292, 374 (3), 475, 588 (3), 593, 595 (3)                           |
| 886                                 | $A_5 \times 3$                      | 180   | 27720  | 1557, 1795 (5), 2007 (6), 2172 (10)                      | 292 (4), 373 (4), 474 (4), 583, 585 (6), 587 (6), 602 (3), 603 (3) |
| 887                                 | $15 : 2 : S_3$                      | 180   | 332640 | 1284, 1286, 1285, 1553 (6), 1554 (6), 1796 (5)           | 294, 295, 361 (2), 586, 594, 596                                   |
| 888                                 | $15 : 2 \cdot S_3$                  | 180   | 665280 | 1284, 1561, 1556 (3), 1797 (5)                           | 296, 297, 596  |
| 889                                 | $A_5 \times 3$                      | 180   | 110880 | 1560, 1798 (5), 2006 (6), 2173 (10)                      | 298, 375 (3), 475, 590 (3), 598, 599 (3)                           |

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| Nr.                                 | Structure                    | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                     |
| 890                                 | $2 \times 10 : 3 \times 3$   | 180   | 166320  | 1566 (2), 1567, 1565, 1737 (4), 1795                             | 584, 600, 604  |
| 891                                 | $15 : S_3 \cdot 2$           | 180   | 332640  | 1285, 1760 (5), 2154 (9)   | 586  |
| 892                                 | $7 : 3 \times 2 \cdot 2 : 2$ | 168   | 1425600 | 1287, 1290, 1288, 1574, 2074 (7)                                 | 43, 238, 477   |
| 893                                 | $L_2(7)$                     | 168   | 23760   | 2075 (7), 2041 (7), 2147 (8)                                     | 148, 239 (5), 324 (6), 478 (10), 606 (15)              |
| 894                                 | $2^3 : 7 : 3$                | 168   | 118800  | 1573, 2076 (7), 2147 (8)   | 201 (4), 239, 479 (4), 608 (3)                         |
| 895                                 | $2^3 : 7 \times 3$           | 168   | 475200  | 1573, 2077, 2148 (8)   | 202, 392, 479  |
| 896                                 | $2^3 : 7 : 3$                | 168   | 475200  | 1573, 2078 (7), 2149 (8)   | 203, 391, 479  |
| 897                                 | $2^3 : 7 : 3$                | 168   | 475200  | 1573, 2078 (7), 2149 (8)   | 204, 390, 479  |
| 898                                 | $L_2(7)$                     | 168   | 59400   | 2079 (14), 2147 (8)  | 239 (2), 480 (4), 605 (6), 607 (3)                     |
| 899                                 | $2 \times 14 : S_3$          | 168   | 475200  | 1292, 1574 (3), 1743 (4), 2080 (7)                               | 325, 477   |
| 900                                 | $3^3 : S_3$                  | 162   | 1478400 | 1293, 1576, 1581 (3)   | 61, 398, 484   |
| 901                                 | $3^3 \cdot S_3$              | 162   | 1478400 | 1299, 1580, 1577, 1579, 1578, 1598 (3)                           | 101, 482   |
| 902                                 | $3^3 : S_3$                  | 162   | 739200  | 1298, 1599, 1584, 1592, 1593, 1598 (3)                           | 396, 482, 611  |
| 903                                 | $3^{1+2} : S_3$              | 162   | 246400  | 1294, 1590 (3), 1584 (3), 1577 (6)                               | 397, 482, 612 (3)                                      |
| 904                                 | $3^{1+2} : S_3$              | 162   | 1478400 | 1295, 1600, 1601 (3)   | 404, 483   |
| 905                                 | $3^{1+2} : S_3$              | 162   | 739200  | 1294, 1594, 1601 (3)   | 407, 483, 612  |
| 906                                 | $3^3 : S_3$                  | 162   | 739200  | 1294, 1602, 1581 (3)   | 408, 484, 612  |
| 907                                 | $3^3 : S_3$                  | 162   | 369600  | 1297, 1588, 1590, 1603 (2), 1598 (6), 1581 (3), 1595 (3)         | 482 (2), 484 (2), 613, 619, 622                        |
| 908                                 | $3^3 : S_3$                  | 162   | 15400   | 1297, 1596 (36), 1594 (12), 1604 (48), 1600 (24)                 | 483 (16), 613 (12), 621 (3), 624 (3), 625 (6), 626 (3) |
| 909                                 | $3^{1+2} : S_3$              | 162   | 739200  | 1298, 1604, 1605 (3), 1601 (3), 1586 (3), 1587 (3)               | 483, 611   |
| 910                                 | $3^{1+2} : S_3$              | 162   | 246400  | 1298, 1605 (9), 1603 (3), 1606 (9), 1607 (9), 1576 (6), 1602 (3) | 484, 611 (3)   |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                    |
| 911                                 | $3^3 : S_3$                    | 162   | 92400   | 1297, 1589 (2), 1585 (2), 1583 (6), 1582 (6)             | 610, 615 (2), 619 (2), 620, 621, 622 (2), 623 (2)     |
| 912                                 | $3^3 : S_3$                    | 162   | 184800  | 1297, 1608 (2), 1591 (2), 1597 (6), 1609 (6)             | 617 (2), 623 (2), 625                                 |
| 913                                 | $D_8 \times (D_{10} \cdot 2)$  | 160   | 1496880 | 1303, 1302, 1306, 1301, 1300, 1305, 1304, 1848 (5)       | 304, 305, 488, 489, 492                               |
| 914                                 | $2^4 : 5 : 2$                  | 160   | 374220  | 1307, 1849 (5), 2406 (16)                                | 306, 627, 628, 629                                    |
| 915                                 | $2^4 : 5 : 2$                  | 160   | 374220  | 1307, 1834 (5), 2407 (16)                                | 628   |
| 916                                 | $2^4 : 5 \times 2$             | 160   | 374220  | 1307, 1850, 2408 (16)                                    | 628   |
| 917                                 | $Q_{12} : S_3 : 2$             | 144   | 415800  | 1410, 1374, 1340, 2213 (9)                               | 51 (2), 632, 652, 687                                 |
| 918                                 | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800  | 1326, 1325, 1309 (4), 1340, 2214 (9)                     | 52 (2), 151 (2), 251 (2), 632, 639, 651               |
| 919                                 | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 1663200 | 1346, 1310, 1324, 1311, 1323, 1319, 1322, 2215 (9)       | 53, 150, 206, 208, 253                                |
| 920                                 | $M_9 : 2$                      | 144   | 1663200 | 1355, 1333, 1356, 2206 (9)                               | 73, 74, 205, 502, 504, 505, 526                       |
| 921                                 | $M_9 : 2$                      | 144   | 1663200 | 1335, 1338, 1336, 2208 (9)                               | 75, 209, 246, 503                                     |
| 922                                 | $M_9 : 2$                      | 144   | 1663200 | 1339, 1334, 1337, 2207 (9)                               | 76, 207, 245, 506                                     |
| 923                                 | $S_3 \times 2^2 : S_3$         | 144   | 277200  | 1348, 1312, 1329, 1628 (3), 1641 (3), 1775 (4)           | 97, 162, 210, 359 (3), 434 (3), 507 (3), 508, 633 (3) |
| 924                                 | $A_4 \times 2 : S_3$           | 144   | 415800  | 1378, 1379, 1312, 1653 (6), 1669 (3), 1630 (3), 1796 (4) | 98, 360, 361 (2), 465, 509 (2), 633, 634, 635         |
| 925                                 | $2^2 : S_3 \times S_3$         | 144   | 831600  | 1389, 1381, 1367, 1721 (3), 1617 (3), 1756 (4)           | 111 (2), 467, 530, 641                                |
| 926                                 | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 1314, 1315, 1313, 1636 (3), 1618 (3), 1799 (4)           | 113, 527  |
| 927                                 | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 415800  | 1340, 1318 (2), 1317, 1316 (2), 1327, 2216 (9)           | 152 (2), 639, 648, 687                                |

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| Nr.                                 | Structure                      | Order | Length | Maximal Subgroups  | Minimal Overgroups                           |
| 928                                 | $S_3 \times 2^2 \times S_3$    | 144   | 138600 | 1317 (3), 1328 (6),<br>1325 (3), 1321 (2),<br>1380, 1639 (6) | 153 (2), 510, 639 (3),<br>649, 677 (3)       |
| 929                                 | $Q_{12} : S_3 : 2$             | 144   | 415800 | 1317, 1326, 1372,<br>2217 (9)                                | 154 (2), 639, 650, 679                       |
| 930                                 | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800 | 1326, 1327, 1380,<br>2218 (9)                                | 158 (2), 511, 639,<br>653, 680               |
| 931                                 | $D_{12} \times S_3 \cdot 2$    | 144   | 415800 | 1327, 1325, 1372,<br>2219 (9)                                | 161 (2), 639, 654, 686                       |
| 932                                 | $S_3 \times 2^2 : S_3$         | 144   | 277200 | 1383, 1330, 1371,<br>1627 (3), 1641 (3),<br>1782 (4)         | 162, 433 (3), 512, 640<br>(3)                |
| 933                                 | $2^2 \times 6 : S_3$           | 144   | 831600 | 1388, 1330, 1373,<br>1627, 1689 (3), 1783<br>(4)             | 164, 435, 445, 512,<br>640                   |
| 934                                 | $2^2 \times 6 : S_3$           | 144   | 415800 | 1329 (2), 1378, 1628,<br>1689 (3), 1776 (4)                  | 164 (2), 363, 436, 508<br>(2), 633, 664, 667 |
| 935                                 | $2^2 : S_3 \times S_3$         | 144   | 831600 | 1330, 1351, 1390,<br>1644 (3), 1629 (3),<br>1778 (4)         | 165, 219, 300 (2),<br>438, 514, 640          |
| 936                                 | $2^2 : S_3 \times S_3$         | 144   | 831600 | 1329, 1348, 1379,<br>1630 (3), 1644 (3),<br>1777 (4)         | 165, 218, 364, 437,<br>509, 513, 633         |
| 937                                 | $S_3 \times 2^2 : S_3$         | 144   | 831600 | 1331, 1389, 1349,<br>1630 (3), 1643 (3),<br>1778 (4)         | 167, 220, 438, 513,<br>641                   |
| 938                                 | $2^2 : S_3 \times S_3$         | 144   | 831600 | 1332, 1350, 1391,<br>1629 (3), 1643 (3),<br>1779 (4)         | 167, 221, 439, 514,<br>642                   |
| 939                                 | $2^2 : S_3 \times S_3$         | 144   | 277200 | 1384, 1376, 1332,<br>1680 (3), 1632 (3),<br>1785 (4)         | 172, 440 (3), 515, 642<br>(3)                |
| 940                                 | $S_3 \times 2^2 : S_3$         | 144   | 277200 | 1375, 1331, 1381,<br>1631 (3), 1680 (3),<br>1784 (4)         | 172, 441 (3), 516, 641<br>(3)                |
| 941                                 | $2^2 \times 6 : S_3$           | 144   | 831600 | 1392, 1332, 1377,<br>1632, 1687 (3), 1786<br>(4)             | 173, 442, 515, 642                           |
| 942                                 | $2^2 \times 6 : S_3$           | 144   | 831600 | 1367, 1382, 1331,<br>1631, 1687 (3), 1780<br>(4)             | 173, 443, 516, 641                           |
| 943                                 | $S_3 \times 2^2 \times S_3$    | 144   | 138600 | 1343 (2), 1341 (3),<br>1344 (6), 1340 (3),<br>1397, 1633 (6) | 211 (6), 528, 632 (3),<br>647 (3), 648       |

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| Nr.                                 | Structure                           | Order | Length  | Maximal Subgroups  | Minimal Overgroups                           |
| 944                                 | $S_3 \times 2^2 \times S_3$         | 144   | 138600  | 1341 (3), 1357 (6),<br>1394 (3), 1353 (2),<br>1380, 1634 (6) | 212 (2), 518, 647 (3),<br>649, 680 (3)       |
| 945                                 | $S_3 \times 4 \times S_3$           | 144   | 415800  | 1359 (2), 1362, 1341,<br>1358 (2), 1372, 1635<br>(6)         | 213 (2), 647, 650, 686                       |
| 946                                 | $S_3 \times S_3 : 2 \times 2$       | 144   | 415800  | 1316 (2), 1342 (2),<br>1347, 1340, 1395,<br>2220 (9)         | 215, 517 (4), 648,<br>651, 652               |
| 947                                 | $3 : S_3 \cdot 2 \times 2 : 2$      | 144   | 415800  | 1352, 1347, 1318,<br>1342, 1411, 1341,<br>1317, 2221 (9)     | 216, 648, 649, 650                           |
| 948                                 | $A_4 \times 2 \times S_3$           | 144   | 415800  | 1378, 1348 (2), 1634,<br>1672 (3), 1776 (4)                  | 217 (2), 365, 436, 518<br>(2), 633, 665, 666 |
| 949                                 | $12 : S_3 \cdot 2$                  | 144   | 415800  | 1326, 1347, 1362,<br>2222 (9)                                | 222, 243 (2), 650,<br>651, 653               |
| 950                                 | $S_3 \times 2^2 : S_3$              | 144   | 1663200 | 1368, 1403, 1354,<br>1644 (3), 1653 (3),<br>1778 (4)         | 223, 300, 509                                |
| 951                                 | $3 : S_3 \cdot 2 \times 2 \times 2$ | 144   | 138600  | 1347 (3), 1410 (3),<br>1380, 2223 (9)                        | 224, 520, 649, 652<br>(3), 653 (3)           |
| 952                                 | $Q_{12} : S_3 \cdot 2$              | 144   | 415800  | 1347, 1374, 1372,<br>2224 (9)                                | 225, 366 (4), 650,<br>652, 654               |
| 953                                 | $S_3 \times 2^2 : S_3$              | 144   | 831600  | 1349, 1367, 1375,<br>1671 (3), 1642 (3),<br>1782 (4)         | 226, 368 (2), 433,<br>523, 641               |
| 954                                 | $A_4 \times 2 \times S_3$           | 144   | 831600  | 1382, 1381, 1349,<br>1639, 1722 (3), 1783<br>(4)             | 227, 435, 447 (2),<br>510, 641               |
| 955                                 | $2^2 : S_3 \times S_3$              | 144   | 831600  | 1373, 1351, 1371,<br>1646 (3), 1662 (3),<br>1784 (4)         | 228, 367 (2), 441,<br>522, 640               |
| 956                                 | $S_3 \times 2^2 : S_3$              | 144   | 831600  | 1350, 1377, 1376,<br>1645 (3), 1670 (3),<br>1785 (4)         | 229, 369 (2), 440,<br>524, 642               |
| 957                                 | $A_4 \times 2 \times S_3$           | 144   | 831600  | 1351, 1383, 1388,<br>1633, 1681 (3), 1780<br>(4)             | 230, 443, 451, 528,<br>640                   |
| 958                                 | $A_4 \times 2 \times S_3$           | 144   | 831600  | 1392, 1384, 1350,<br>1638, 1723 (3), 1786<br>(4)             | 231, 442, 532, 642                           |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 959                                 | $D_8 \times 3 \times S_3$      | 144   | 831600  | 1353, 1396, 1343, 1385, 1393, 1361, 1359, 1641, 1689 (3)     | 232, 508, 512, 647  |
| 960                                 | $S_3 \times 2^2 : S_3$         | 144   | 831600  | 1364, 1405, 1385, 1412, 1353, 1358, 1344, 1644 (3), 1669 (3) | 233, 509, 647   |
| 961                                 | $D_{12} \times S_3 : 2$        | 144   | 415800  | 1325, 1347, 1352 (2), 1394, 1402 (2), 2225 (9)               | 234, 519 (4), 649, 651, 654   |
| 962                                 | $2 \times 6 : S_3 \cdot 2$     | 144   | 138600  | 1397, 1327 (3), 1347 (3), 2226 (9)                           | 235, 521, 648, 653 (3), 654 (3)                                     |
| 963                                 | $S_3 \times 4 : S_3$           | 144   | 831600  | 1386, 1412, 1344, 1357, 1413, 1359, 1361, 1707 (3), 1646 (3) | 236, 647  |
| 964                                 | $S_3 \times 2^2 : S_3$         | 144   | 831600  | 1396, 1358, 1343, 1364, 1357, 1386, 1407, 1692 (3), 1636 (3) | 237, 527, 647   |
| 965                                 | $Q_8 : 3 : S_3$                | 144   | 1663200 | 1360, 1613 (3), 1614 (3), 1651 (3), 1647 (3), 1800 (4)       | 240, 448, 449   |
| 966                                 | $D_{24} : S_3$                 | 144   | 415800  | 1364 (2), 1362, 1340, 1361 (2), 1394, 1636 (6)               | 242 (2), 647, 651, 687  |
| 967                                 | $D_{24} : S_3$                 | 144   | 415800  | 1363 (2), 1395, 1362, 1365 (2), 1325, 1637 (6)               | 244 (2), 651, 677, 686  |
| 968                                 | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800  | 1326, 1394, 1366 (4), 1395, 2227 (9)                         | 252 (2), 651, 679, 680  |
| 969                                 | $2^2 \times 6 \cdot S_3$       | 144   | 415800  | 1378, 1659, 1668 (3), 1793 (4)                               | 371 (2), 384, 472, 635, 664, 666                                    |
| 970                                 | $A_4 \times 2 \cdot S_3$       | 144   | 415800  | 1378, 1660, 1649 (3), 1793 (4)                               | 372 (2), 383, 472, 635, 665, 667                                    |
| 971                                 | $2^4 : 3 : 3$                  | 144   | 17325   | 1665 (2), 1724 (2), 1795 (8)                                 | 373 (8), 525 (4), 636 (6), 643 (12), 658, 678 (2), 681 (3), 682 (3) |
| 972                                 | $2^4 : 3 : 3$                  | 144   | 207900  | 1664, 1672, 1725 (2), 1794 (4), 1792 (4)                     | 374 (2), 376 (2), 644, 646, 659, 660, 662, 675, 683                 |

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|-------------------------------------|----------------------------------|-------|---------|---|--|
| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups   | Minimal Overgroups   |
| 973                                 | $A_4 \times 2 \times 2 : 3$      | 144   | 103950  | 1726 (2), 1673 (2),<br>1798 (8)                                       | 375 (4), 637 (2), 638<br>(2), 645 (2), 661, 663<br>(2), 684, 685 |
| 974                                 | $A_4 \times 3 \times 2 \times 2$ | 144   | 138600  | 1378 (3), 1698, 1696<br>(2), 1665, 1801 (4)                           | 378, 456, 525, 634,<br>664 (3), 665 (3)                          |
| 975                                 | $2^4 : 3 : 3$                    | 144   | 277200  | 1696, 1665, 1694 (2),<br>1802 (4), 1792 (4)                           | 379, 455, 525, 655 (3)   |
| 976                                 | $2^2 \times 6 : S_3$             | 144   | 415800  | 1379 (2), 1378, 1704<br>(6), 1706 (3), 1671<br>(3), 1803 (4)          | 382, 471, 634, 666,<br>667                                       |
| 977                                 | $2^2 : S_3 : S_3$                | 144   | 415800  | 1372, 1386 (2), 1340,<br>1385 (2), 1380, 1641<br>(6)                  | 429 (4), 507, 639,<br>647, 652                                   |
| 978                                 | $2^2 \times 6 : S_3$             | 144   | 1663200 | 1387, 1369, 1370,<br>1679, 1690 (3), 1783<br>(4)                      | 445, 446, 447  |
| 979                                 | $A_4 \times 2 : S_3$             | 144   | 831600  | 1382, 1389, 1375,<br>1686 (6), 1685 (3),<br>1721 (3), 1800 (4)        | 448 (2), 450, 530, 641   |
| 980                                 | $A_4 \times 2 : S_3$             | 144   | 831600  | 1388, 1390, 1371,<br>1618 (6), 1691 (3),<br>1692 (3), 1800 (4)        | 449, 450, 527, 640   |
| 981                                 | $A_4 \times 2 \times 2 : 3$      | 144   | 277200  | 1694, 1696 (2), 1724,<br>1804 (8)                                     | 453, 525, 669  |
| 982                                 | $A_4 \times 2 \times 2 : 3$      | 144   | 831600  | 1683 (2), 1695, 1727,<br>1758 (8)                                     | 454, 668   |
| 983                                 | $2^4 : 3 \times 3$               | 144   | 138600  | 1694 (2), 1698, 1724,<br>1802 (8), 1805 (12)                          | 455, 525, 670, 671<br>(3), 672 (3)                               |
| 984                                 | $2^4 : 3 : 3$                    | 144   | 415800  | 1728, 1697, 1693 (2),<br>1792 (4), 1805 (4)                           | 455, 656, 657, 673   |
| 985                                 | $S_3 \times 2^2 : S_3$           | 144   | 831600  | 1383, 1373, 1390,<br>1691 (3), 1636 (3),<br>1756 (4)                  | 467, 527, 640  |
| 986                                 | $A_4 \times 2 : S_3$             | 144   | 831600  | 1392, 1376, 1391,<br>1676 (6), 1677 (3),<br>1729 (3), 1806 (4)        | 468, 531, 642  |
| 987                                 | $2^2 : S_3 \times S_3$           | 144   | 831600  | 1391, 1384, 1377,<br>1729 (3), 1701 (3),<br>1807 (4)                  | 469, 531, 642  |
| 988                                 | $D_8 \times 3 : S_3$             | 144   | 415800  | 1407, 1380, 1397,<br>1413, 1405, 1362,<br>1393, 1644 (6), 1643<br>(6) | 513, 514, 647, 653,<br>677                                       |

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| Nr.                                 | Structure                      | Order | Length  | Maximal Subgroups  | Minimal Overgroups         |
| 989                                 | $D_8 \times 3 \times S_3$      | 144   | 831600  | 1399, 1400, 1393, 1363, 1408, 1414, 1321, 1680, 1687 (3)     | 515, 516, 677              |
| 990                                 | $2^2 : S_3 : S_3$              | 144   | 415800  | 1396 (2), 1394, 1372, 1397, 1412 (2), 1646 (6)               | 522, 647, 654, 679         |
| 991                                 | $2^2 : S_3 : S_3$              | 144   | 415800  | 1399 (2), 1374, 1380, 1415 (2), 1395, 1642 (6)               | 523, 652, 677, 680         |
| 992                                 | $2^2 : S_3 : S_3$              | 144   | 415800  | 1400 (2), 1416 (2), 1397, 1325, 1374, 1645 (6)               | 524, 632, 654, 677         |
| 993                                 | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800  | 1326, 1397, 1410, 2228 (9)                                   | 529, 632, 653, 679         |
| 994                                 | $S_3 \times 2^2 : S_3$         | 144   | 1663200 | 1404, 1398, 1320, 1617 (3), 1686 (3), 1808 (4)               | 530                        |
| 995                                 | $S_3 \times 2^2 : S_3$         | 144   | 831600  | 1321, 1417, 1405, 1365, 1416, 1418, 1399, 1617 (3), 1685 (3) | 530, 677                   |
| 996                                 | $2^2 : S_3 \times S_3$         | 144   | 1663200 | 1406, 1409, 1401, 1676 (3), 1701 (3), 1809 (4)               | 531                        |
| 997                                 | $2^2 : S_3 \times S_3$         | 144   | 831600  | 1400, 1415, 1407, 1365, 1328, 1418, 1408, 1677 (3), 1701 (3) | 531, 677                   |
| 998                                 | $S_3 \times 2^2 \times S_3$    | 144   | 138600  | 1408 (2), 1417 (6), 1317 (3), 1395 (3), 1397, 1638 (6)       | 532, 648, 677 (3), 679 (3) |
| 999                                 | $3 : S_3 \cdot 2 : 2 \times 2$ | 144   | 415800  | 1341, 1318 (2), 1402 (2), 1325, 1410, 2229 (9)               | 632, 649, 686              |
| 1000                                | $3 : S_3 \cdot 2 \times 2 : 2$ | 144   | 415800  | 1374, 1326, 1341, 2228 (9)                                   | 632, 650, 680              |
| 1001                                | $D_{12} \times S_3 : 2$        | 144   | 415800  | 1411 (2), 1395, 1316 (2), 1341, 1327, 2230 (9)               | 648, 680, 686              |
| 1002                                | $S_3 \times S_3 : 2 \times 2$  | 144   | 415800  | 1411 (2), 1402 (2), 1410, 1394, 1317, 2231 (9)               | 649, 679, 687              |

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| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups              |
| 1003                                | $S_3 \times 4 \times S_3$           | 144   | 415800 | 1317, 1414 (2), 1362, 1418 (2), 1374, 1640 (6)   | 650, 677, 687                   |
| 1004                                | $D_{12} \times S_3 \cdot 2$         | 144   | 415800 | 1410, 1395, 1372, 2232 (9)   | 652, 679, 686                   |
| 1005                                | $3 : S_3 \cdot 2 \times 2 \cdot 2$  | 144   | 415800 | 1410, 1327, 1362, 2233 (9)   | 653, 686, 687                   |
| 1006                                | $Q_{12} : S_3 : 2$                  | 144   | 415800 | 1327, 1374, 1394, 2234 (9)   | 654, 680, 687                   |
| 1007                                | $S_3 \times 4 : S_3$                | 144   | 831600 | 1363, 1417, 1413, 1328, 1416, 1415, 1414, 1688 (3), 1678 (3)   | 677                             |
| 1008                                | $35 : 2 \cdot 2$                    | 140   | 570240 | 1419, 2013 (5), 2155 (7)   | 325, 533                        |
| 1009                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 1436, 1486, 1424, 1425, 1457, 1487, 1458   | 261, 262, 688                   |
| 1010                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 1436, 1488, 1426, 1425, 1459, 1489, 1460   | 263, 264, 688                   |
| 1011                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 1435, 1452, 1427, 1439, 1440, 1454, 1422   | 266, 538, 542 (2), 689          |
| 1012                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 1435, 1490, 1491, 1455, 1429, 1492, 1422   | 268, 689                        |
| 1013                                | $8 : 2 : 2 : 2 \times 2$            | 128   | 467775 | 1428, 1426 (2), 1493, 1424 (2), 1494   | 272 (2), 688, 694, 701          |
| 1014                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 1464, 1495, 1459, 1489, 1424, 1496, 1486   | 281, 688                        |
| 1015                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 1464, 1495, 1426, 1488, 1457, 1497, 1487   | 283, 688                        |
| 1016                                | $D_8 \times 2 \cdot 2 : 2 \times 2$ | 128   | 467775 | 1462, 1495 (2), 1494, 1425 (2), 1498   | 285, 688, 690, 691              |
| 1017                                | $D_8 \times 2^2 : 2 \cdot 2$        | 128   | 467775 | 1422 (2), 1499, 1500, 1462, 1501 (2)   | 286, 689, 691, 692              |
| 1018                                | $2^3 \cdot 2 : 2 \times 2 \cdot 2$  | 128   | 467775 | 1427 (2), 1502, 1429 (2), 1500, 1428   | 423 (4), 689, 696, 701          |
| 1019                                | $D_8 \times (D_8 \times 2)$         | 128   | 467775 | 1432 (2), 1438 (2), 1503, 1464 (2), 1453 (2), 1428, 1423 (4), 1468 (2), 1437 (4), 1451 (2), 1434 (2), 1433 (2), 1435 (2), 1462, 1436 (2) | 539 (2), 540 (4), 688, 689, 693 |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups  | Minimal Overgroups                           |
| 1020                                | $2^{1+4} : 2^2$               | 128   | 467775 | 1428, 1456 (4), 1504 (2), 1442 (2), 1457 (2), 1459 (2), 1505, 1498                               | 541 (4), 688, 696, 698                       |
| 1021                                | $2^{1+4} : 2^2$               | 128   | 467775 | 1439, 1506 (2), 1461 (2), 1507, 1455, 1469, 1462, 1508 (2), 1463 (2), 1502, 1470                 | 543, 544 (2), 689, 690, 695                  |
| 1022                                | $D_8 \times 2^2 : 2 : 2$      | 128   | 155925 | 1428 (3), 1509 (3), 1510 (6), 1511 (3)   | 545, 693, 694 (3), 696 (3)                   |
| 1023                                | $2^{1+4} : 2^2$               | 128   | 155925 | 1428 (3), 1491 (6), 1499 (3), 1440 (2), 1470   | 546, 689 (3), 694 (3), 698                   |
| 1024                                | $2^{1+4} : 2^2$               | 128   | 935550 | 1438, 1490, 1429, 1501, 1440, 1452, 1469   | 547, 689                                     |
| 1025                                | $D_8 \times 2^2 : 2 \times 2$ | 128   | 103950 | 1463 (3), 1473 (3), 1448 (9), 1465 (3), 1447 (3), 1446 (9), 1441                                 | 548 (6), 550 (2), 551, 552, 553, 695 (3)     |
| 1026                                | $2^{1+4} : 2^2$               | 128   | 935550 | 1512, 1430 (2), 1431 (2), 1513, 1514, 1471 (2), 1472 (2), 1515, 1444, 1449, 1445                 | 549 (2), 697                                 |
| 1027                                | $D_8 \times 2^2 : 2 \times 2$ | 128   | 155925 | 1433 (2), 1516 (3), 1511 (3), 1474 (6), 1475 (6), 1476, 1477, 1467 (2), 1462 (3), 1466 (3), 1441 | 554 (2), 555 (2), 556, 691 (3), 693 (3), 695 |
| 1028                                | $2^{1+4} : 2^2$               | 128   | 467775 | 1462, 1517 (2), 1518 (2), 1465 (2), 1455 (2), 1496, 1493, 1460, 1505, 1497, 1458                 | 557 (2), 688, 692, 695                       |
| 1029                                | $2^{1+4} : 2^2$               | 128   | 935550 | 1466, 1519, 1458, 1520, 1460, 1521, 1465, 1522, 1461 (2), 1523, 1524, 1463, 1525, 1526           | 558, 559, 695                                |

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|-------------------------------------|-------------------------------------|-------|--------|--|--|
| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups                           |
| 1030                                | $2^3 \cdot 2 \times 2 \cdot 2 : 2$  | 128   | 467775 | 1434 (2), 1527 (2), 1509, 1479 (2), 1480 (2), 1528, 1478 (2), 1462, 1467 (2)             | 560 (2), 690, 692, 693                       |
| 1031                                | $2^{1+4} \times 2^2$                | 128   | 51975  | 1477 (3), 1524 (18), 1515 (18), 1505 (9), 1447 (6), 1481 (6), 1470 (3)                   | 561, 562 (2), 563, 695 (3), 697 (9), 698 (3) |
| 1032                                | $D_8 \times 2^3 : 2$                | 128   | 935550 | 1468, 1529, 1510, 1530, 1531, 1483, 1480, 1482 (2), 1451, 1484, 1478, 1433, 1466, 1467   | 564, 565, 693                                |
| 1033                                | $2^{1+4} : 2^2$                     | 128   | 467775 | 1452 (2), 1532 (4), 1533 (2), 1500, 1492 (2), 1470, 1503, 1512 (2)                       | 566, 689, 697, 699                           |
| 1034                                | $2^{1+4} : 4$                       | 128   | 155925 | 1528 (3), 1498 (3), 1470   | 567, 690 (3), 698, 699 (3)                   |
| 1035                                | $2^{1+4} : 4$                       | 128   | 467775 | 1509, 1534 (2), 1494, 1445 (2), 1470   | 568, 690, 694, 697                           |
| 1036                                | $2^{1+4} : 2^2$                     | 128   | 467775 | 1511, 1526 (2), 1518 (2), 1525 (2), 1523 (2), 1493, 1446 (2), 1469 (2), 1470             | 569, 694, 695, 699                           |
| 1037                                | $D_8 \times 2^3 \cdot 2$            | 128   | 467775 | 1484 (2), 1504 (2), 1477, 1498, 1499   | 570, 691, 698, 700                           |
| 1038                                | $D_8 \times 2^2 \cdot 2 : 2$        | 128   | 467775 | 1477, 1513 (2), 1494, 1485 (2), 1500   | 571, 691, 697, 701                           |
| 1039                                | $2^3 \cdot 2 : 2 \times 2 \times 2$ | 128   | 311850 | 1476, 1519 (3), 1517 (3), 1523 (3), 1508 (3), 1473, 1447                                 | 572, 695                                     |
| 1040                                | $D_8 \times 2^2 \cdot 2 \times 2$   | 128   | 155925 | 1477, 1520 (6), 1493 (3), 1502 (3), 1473 (2)   | 573, 695, 700 (3), 701 (3)                   |
| 1041                                | $2^4 \cdot 2 : 2 : 2$               | 128   | 935550 | 1434, 1530, 1510, 1535, 1536, 1474, 1475, 1482, 1453, 1443, 1537, 1527, 1468, 1478, 1476 | 574, 693                                     |

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|-------------------------------------|-------------------------------------|-------|--------|--|--------------------|
| Nr.                                 | Structure                           | Order | Length | Maximal Subgroups  | Minimal Overgroups |
| 1042                                | $2^5 : 2 : 2$                       | 128   | 467775 | 1432, 1537 (2), 1536, 1442, 1480 (2), 1484, 1428, 1531 (2), 1528, 1477, 1475 (2) | 575, 693, 698, 701 |
| 1043                                | $2^4 \cdot 2 : 2 : 2$               | 128   | 467775 | 1451 (2), 1529 (2), 1509, 1444, 1537 (2), 1474 (2), 1477, 1483, 1503, 1535, 1479 | 576, 693, 697, 700 |
| 1044                                | $D_8 : (2 \times 4 : 2)$            | 128   | 935550 | 1479, 1449, 1538, 1485, 1533, 1445, 1481   | 577, 697           |
| 1045                                | $D_8 : (D_8 \times 2)$              | 128   | 935550 | 1483, 1539 (2), 1540, 1514, 1421 (2), 1485, 1512, 1541 (2), 1534, 1481, 1450 (2) | 578, 697           |
| 1046                                | $D_8 \times 2^2 : 2 \cdot 2$        | 128   | 467775 | 1503, 1498, 1488 (2), 1486 (2), 1493   | 688, 699, 700      |
| 1047                                | $2^{1+4} : 2^2$                     | 128   | 467775 | 1503, 1514 (2), 1420 (4), 1538 (2), 1494, 1489 (2), 1487 (2), 1505               | 688, 697, 702      |
| 1048                                | $2^{1+4} : 2^2$                     | 128   | 935550 | 1438, 1492, 1491, 1501, 1427, 1454, 1507   | 689                |
| 1049                                | $D_8 \times 2 : 2 \times 2 \cdot 2$ | 128   | 467775 | 1454 (2), 1499, 1490 (2), 1502, 1503   | 689, 700, 702      |
| 1050                                | $2^4 \cdot 2 : 2 \cdot 2$           | 128   | 467775 | 1528, 1502, 1494   | 690, 701, 702      |
| 1051                                | $2 \times 4^2 : 2 \cdot 2$          | 128   | 467775 | 1509, 1502, 1498   | 690, 696, 700      |
| 1052                                | $8 : 2 : 2 : 2 \times 2$            | 128   | 467775 | 1511, 1542 (4), 1498, 1500   | 691, 696, 699      |
| 1053                                | $D_8 \times 2^2 : 2 \cdot 2$        | 128   | 467775 | 1511, 1543 (4), 1494, 1499   | 691, 694, 702      |
| 1054                                | $2^{1+4} : 4$                       | 128   | 467775 | 1509, 1449 (2), 1500, 1540 (2), 1505   | 692, 696, 697      |
| 1055                                | $2^{1+4} : 4$                       | 128   | 467775 | 1536 (2), 1504 (2), 1528, 1499, 1505   | 692, 698, 702      |
| 1056                                | $2 \times 4^2 : 2 \cdot 2$          | 128   | 467775 | 1509, 1499, 1493   | 692, 694, 700      |
| 1057                                | $2^2 \times 4 \cdot 2 : 2 \cdot 2$  | 128   | 467775 | 1528, 1500, 1493   | 692, 699, 701      |
| 1058                                | $2^5 : 2 : 2$                       | 128   | 467775 | 1453 (2), 1530 (2), 1503, 1528, 1527 (2), 1531 (2), 1529 (2), 1511, 1516 (2)     | 693, 699, 702      |

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|-------------------------------------|----------------------|-------|---------|--|---------------------------|
| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups        |
| 1059                                | $2^{1+4} : 2^2$      | 128   | 935550  | 1516, 1448, 1517, 1526, 1506 (2), 1525, 1520, 1497, 1446, 1508, 1521, 1496, 1522, 1524 | 695                       |
| 1060                                | $2^{1+4} : 2^2$      | 128   | 467775  | 1511, 1519 (2), 1505, 1521 (2), 1507 (2), 1522 (2), 1448 (2), 1518 (2), 1502           | 695, 696, 702             |
| 1061                                | $2^{1+4} : 4$        | 128   | 935550  | 1535, 1540, 1538, 1513, 1533, 1534, 1515   | 697                       |
| 1062                                | $7 : 3 : S_3$        | 126   | 950400  | 1544, 1743, 1738 (3), 2174 (7)   | 48, 299 (2), 477 (2), 703 |
| 1063                                | $7 : 3 \times 3 : 2$ | 126   | 950400  | 1544, 1740 (2), 1739, 1738, 2175 (7)   | 49, 101 (2), 703          |
| 1064                                | $7 : 3 \times S_3$   | 126   | 950400  | 1544, 1741, 1742 (3), 2170 (7)   | 256, 300 (2), 703         |
| 1065                                | $S_5$                | 120   | 1995840 | 1546, 2042 (5), 2150 (6), 2354 (10)  | 73, 85, 354               |
| 1066                                | $S_5$                | 120   | 1995840 | 1547, 2042 (5), 2150 (6), 2354 (10)  | 74, 85, 352               |
| 1067                                | $A_5 : 2$            | 120   | 1995840 | 1551, 2039 (5), 2151 (6), 2354 (10)  | 75, 76, 381               |
| 1068                                | $S_5$                | 120   | 997920  | 1545, 2081 (5), 2151 (6), 2360 (10)  | 79, 187, 349, 357, 708    |
| 1069                                | $A_5 \times 2$       | 120   | 997920  | 1545, 2082 (5), 2152 (6), 2360 (10)  | 79, 186, 347, 355, 708    |
| 1070                                | $A_5 : 2$            | 120   | 997920  | 1548, 2083 (5), 2151 (6), 2361 (10)  | 80, 349, 706              |
| 1071                                | $A_5 \times 2$       | 120   | 997920  | 1549, 2084 (5), 2152 (6), 2361 (10)  | 80, 185, 347, 707         |
| 1072                                | $A_5 : 2$            | 120   | 997920  | 1549, 2085 (5), 2151 (6), 2361 (10)  | 81, 357, 707              |
| 1073                                | $A_5 \times 2$       | 120   | 997920  | 1548, 2086 (5), 2152 (6), 2361 (10)  | 81, 185, 355, 706         |
| 1074                                | $S_5$                | 120   | 997920  | 1545, 2087 (5), 2150 (6), 2362 (10)  | 84, 184, 351, 353, 708    |
| 1075                                | $A_5 : 2$            | 120   | 997920  | 1549, 2088 (5), 2150 (6), 2361 (10)  | 86, 353, 707              |
| 1076                                | $A_5 : 2$            | 120   | 997920  | 1548, 2088 (5), 2150 (6), 2361 (10)  | 86, 351, 706              |

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|-------------------------------------|-----------------------------|-------|---------|--|---|
| Nr.                                 | Structure                   | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 1077                                | $S_5$                       | 120   | 16632   | 1557, 2040 (5), 2156 (6), 2363 (10)                      | 148, 362 (5), 424 (6), 583 (5), 585 (10), 709 (10), 710 (15)                                |
| 1078                                | $A_5 \times 2$              | 120   | 1995840 | 1550, 2089 (5), 2152 (6), 2361 (10)                      | 185   |
| 1079                                | $2 \times 10 : S_3$         | 120   | 498960  | 1565, 1752 (3), 2005 (4), 2040                           | 188, 424, 584, 712  |
| 1080                                | $2 \times 10 : S_3$         | 120   | 498960  | 1564, 1752 (3), 2004 (4), 2041                           | 188, 324 (2), 711   |
| 1081                                | $D_{20} \times S_3$         | 120   | 498960  | 1562, 1555 (2), 1552, 1554 (2), 1568, 1751 (3), 2046 (5) | 257 (2), 365, 713, 730, 735   |
| 1082                                | $D_{10} \cdot 2 \times S_3$ | 120   | 997920  | 1559, 1554, 1563, 1747 (3), 2047 (5)                     | 258, 364, 713   |
| 1083                                | $D_{10} \cdot 2 \times S_3$ | 120   | 997920  | 1559, 1554, 1558, 1746 (3), 2053 (5)                     | 259, 359, 367 (2), 489 (2), 594 (2), 713  |
| 1084                                | $D_{10} \cdot 2 \times S_3$ | 120   | 1995840 | 1561, 1553, 1556, 1750 (3), 2054 (5)                     | 260, 368, 369, 488, 596   |
| 1085                                | $2 \times 10 : S_3$         | 120   | 997920  | 1566, 1752 (3), 2004 (4), 2075                           | 324, 584, 716   |
| 1086                                | $S_5$                       | 120   | 83160   | 1557, 2080 (5), 2155 (6), 2364 (10)                      | 325 (8), 377, 427 (6), 591 (4), 597 (4), 603 (3), 710 (3), 732 (6)                          |
| 1087                                | $D_{20} \cdot S_3$          | 120   | 498960  | 1558, 1562, 1563, 1747 (3), 2090 (5)                     | 360, 713, 718, 719  |
| 1088                                | $A_5 : 2$                   | 120   | 83160   | 1560, 2091 (5), 2156 (6), 2365 (10)                      | 362, 593 (4), 595 (4), 720 (6), 721 (3)   |
| 1089                                | $15 : 2 \times 2 \cdot 2$   | 120   | 498960  | 1559 (2), 1562, 1746, 2092 (5)                           | 363, 713, 729, 736  |
| 1090                                | $A_5 \times 2$              | 120   | 83160   | 1557, 2093 (5), 2157 (6), 2366 (10)                      | 370 (3), 426 (6), 587 (6), 589 (12), 602, 709, 710 (3), 714 (3), 724, 725, 732 (3), 733 (3) |
| 1091                                | $A_5 \times 2$              | 120   | 249480  | 1560, 2094 (5), 2157 (6), 2362 (10)                      | 370, 425 (4), 588 (4), 590 (4), 715, 720, 721, 723, 726, 731, 734                           |
| 1092                                | $2 \times 10 : 3 : 2$       | 120   | 166320  | 1565, 1748, 2007 (4), 2093 (5)                           | 373, 374 (3), 426 (3), 600, 712 (3), 717, 722 (3)   |

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|-------------------------------------|----------------------------|-------|---------|--|---|
| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups                              | Minimal Overgroups                        |
| 1093                                | $2 \times 10 : 3 : 2$      | 120   | 498960  | 1564, 1751, 2006 (4), 2094 (5)                 | 375, 376, 425 (2), 711, 727, 728          |
| 1094                                | $A_5 : 2$                  | 120   | 83160   | 1560, 2095 (5), 2155 (6), 2367 (10)            | 377, 598 (4), 599 (4), 721 (3), 731 (6)   |
| 1095                                | $15 : 2 \times 2 \times 2$ | 120   | 166320  | 1562 (3), 1569 (3), 1567, 1748, 2096 (5)       | 378, 600, 718, 729 (3), 730 (3)           |
| 1096                                | $2 \times 10 : 3 : 2$      | 120   | 332640  | 1566, 1748, 2006 (4), 2097 (5)                 | 379, 600, 716 (3)                         |
| 1097                                | $D_{20} \cdot S_3$         | 120   | 498960  | 1563 (2), 1562, 1750 (3), 2098 (5)             | 382, 718, 735, 736                        |
| 1098                                | $D_{20} \cdot S_3$         | 120   | 498960  | 1562, 1570, 1571, 1745 (3), 2090 (5)           | 383, 719, 730, 736                        |
| 1099                                | $15 : 2 \times 2 \cdot 2$  | 120   | 498960  | 1572 (2), 1562, 1749, 2099 (5)                 | 384, 719, 729, 735                        |
| 1100                                | $2 \times 10 : S_3$        | 120   | 498960  | 1565, 1753 (3), 2008 (4), 2080 (5)             | 427, 604, 712                             |
| 1101                                | $2 \times 10 : S_3$        | 120   | 498960  | 1567, 1552, 1570, 1752 (3), 2100               | 584, 730                                  |
| 1102                                | $2 \times 10 : S_3$        | 120   | 997920  | 1566, 1753 (3), 2009 (4), 2101 (5)             | 604, 716                                  |
| 1103                                | $2 \times 10 : S_3$        | 120   | 498960  | 1568, 1567, 1571, 1753 (3), 2102 (5)           | 604, 730                                  |
| 1104                                | $2 \times 10 : S_3$        | 120   | 498960  | 1564, 1754 (3), 2009 (4), 2103 (5)             | 711                                       |
| 1105                                | $D_{20} : S_3$             | 120   | 498960  | 1568, 1570, 1569, 1755 (3), 2104 (5)           | 730                                       |
| 1106                                | $D_{20} : S_3$             | 120   | 498960  | 1569, 1552, 1571, 1754 (3), 2059 (5)           | 730                                       |
| 1107                                | $2^3 : 7 \times 2$         | 112   | 356400  | 1573, 2235, 2352 (8)                           | 608, 737                                  |
| 1108                                | $S_3 \times 3 \times S_3$  | 108   | 554400  | 1581 (2), 1585, 1759, 1783 (6)                 | 190 (2), 510, 619, 740, 746, 750          |
| 1109                                | $3 : S_3 \cdot S_3$        | 108   | 554400  | 1585, 1760 (3), 2368 (9)                       | 193 (2), 511, 620, 740, 747, 764          |
| 1110                                | $S_3 \times 3 \times S_3$  | 108   | 554400  | 1585, 1582 (2), 1775, 1776 (6)                 | 291 (2), 508 (2), 518, 615, 745, 746, 764 |
| 1111                                | $3^2 : S_3 \cdot 2$        | 108   | 184800  | 1585, 1781, 2369 (9)                           | 292, 520 (3), 610, 744, 746 (3), 747 (3)  |
| 1112                                | $S_3 \times 3 \times S_3$  | 108   | 1108800 | 1595, 1588, 1583, 1782, 1810 (3), 1783 (3)     | 293, 512, 619, 749                        |
| 1113                                | $S_3 \times 3 : S_3$       | 108   | 554400  | 1596, 1589, 1583, 1796 (3), 1778 (6), 1779 (6) | 294, 514, 621, 748, 749, 751              |

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|-------------------------------------|---------------------------|-------|---------|--|---|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 1114                                | $S_3 \times 3 : S_3$      | 108   | 554400  | 1594, 1585, 1582, 1777 (6), 1796 (3), 1778 (6)           | 295, 509 (2), 513, 621, 745, 747, 750                               |
| 1115                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 1581, 1590, 1582, 1784, 1811 (3), 1780 (3)               | 296, 516, 622, 750  |
| 1116                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 1597, 1591, 1583, 1785, 1786 (3), 1771 (3)               | 297, 515, 623, 751  |
| 1117                                | $3^2 : S_3 \cdot 2$       | 108   | 184800  | 1589, 1781, 2370 (9)                                     | 298, 521 (3), 610, 748 (3), 752, 753 (3)                            |
| 1118                                | $A_4 \times 3 \times 3$   | 108   | 138600  | 1792 (2), 1802 (4), 1801, 1804 (4), 1795 (2), 2017 (4)   | 474 (2), 525 (4), 739 (2), 741 (2), 743, 754 (2), 759, 760 (2), 769 |
| 1119                                | $A_4 \times 3 \times 3$   | 108   | 138600  | 1757 (4), 1798 (2), 1812 (4), 1813, 1794 (2), 2018 (4)   | 475 (2), 742, 757 (2), 758, 761 (2), 770 (2), 771, 772 (2)          |
| 1120                                | $3^{1+2} : 2^2$           | 108   | 2217600 | 1584, 1602, 1601, 1814 (3), 1808 (3)                     | 502, 611, 612   |
| 1121                                | $3^{1+2} : 2^2$           | 108   | 2217600 | 1593, 1587, 1606, 1814 (3), 1815 (3)                     | 503, 504, 611   |
| 1122                                | $3^{1+2} : 2^2$           | 108   | 2217600 | 1592, 1607, 1586, 1814 (3), 1816 (3)                     | 505, 506, 611   |
| 1123                                | $3 : S_3 : S_3$           | 108   | 61600   | 1585 (3), 1775 (9)                                       | 507 (9), 609 (2), 614, 615, 740 (9), 744 (3), 745 (3)               |
| 1124                                | $3 : S_3 : S_3$           | 108   | 184800  | 1588 (2), 1589, 1817 (3), 1784 (6)                       | 522 (3), 622, 749 (3), 752, 762 (3)                                 |
| 1125                                | $3 : S_3 : S_3$           | 108   | 184800  | 1590 (2), 1585, 1782 (6), 1759 (3)                       | 523 (3), 619, 744, 750 (3), 764 (3)                                 |
| 1126                                | $3 : S_3 : S_3$           | 108   | 184800  | 1591 (2), 1589, 1785 (6), 1761 (3)                       | 524 (3), 623, 751 (3), 752, 763 (3)                                 |
| 1127                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 1595, 1588, 1596, 1756 (3), 1800 (3), 1818 (3), 1799 (6) | 527, 613, 749   |
| 1128                                | $S_3 \times 3 \times S_3$ | 108   | 554400  | 1595 (2), 1589, 1817, 1780 (6)                           | 528, 622, 749, 753, 763   |
| 1129                                | $3 : S_3 \cdot S_3$       | 108   | 554400  | 1589, 1760 (3), 2371 (9)                                 | 529, 620, 748, 762, 763   |
| 1130                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 1590, 1581, 1594, 1800 (3), 1756 (3), 1808 (6), 1819 (3) | 530, 612 (2), 613, 750  |

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|-------------------------------------|---------------------------|-------|---------|--|---|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                      |
| 1131                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 1597, 1591, 1596, 1806 (3), 1807 (3), 1809 (6), 1765 (3)           | 531, 625, 751                           |
| 1132                                | $S_3 \times 3 \times S_3$ | 108   | 554400  | 1597 (2), 1589, 1761, 1786 (6)                                     | 532, 623, 751, 753, 762                 |
| 1133                                | $3 : S_3 : S_3$           | 108   | 1108800 | 1605 (2), 1599, 1814 (3), 1799 (6)                                 | 611 (2), 773                            |
| 1134                                | $S_3 \times 3 : S_3$      | 108   | 2217600 | 1604, 1598, 1603, 1800 (3), 1808 (3), 1815 (3), 1816 (3), 1799 (3) | 611, 613                                |
| 1135                                | $3 : S_3 : S_3$           | 108   | 123200  | 1608 (3), 1762 (9)   | 616, 617, 618 (2), 768 (3)              |
| 1136                                | $S_3 \times 3 \times S_3$ | 108   | 1108800 | 1608, 1609 (2), 1762, 1772 (6)                                     | 617, 768                                |
| 1137                                | $S_3 \times 3 : S_3$      | 108   | 1108800 | 1609, 1608, 1600, 1806 (3), 1809 (6), 1763 (3), 1767 (3)           | 625, 768                                |
| 1138                                | $3^2 : S_3 \cdot 2$       | 108   | 554400  | 1599, 1787, 2372 (9)   | 765, 773, 774                           |
| 1139                                | $35 : 3$                  | 105   | 570240  | 1821, 2147, 2349 (7)   | 324 (2), 775                            |
| 1140                                | $5^2 : 2 \cdot 2$         | 100   | 598752  | 1610, 2156, 2153 (5)   | 424, 777                                |
| 1141                                | $5^2 : 2 : 2$             | 100   | 299376  | 1610 (2), 1611, 2157 (10)  | 425 (4), 426 (2), 776 (2), 777 (2), 778 |
| 1142                                | $5^2 : 2 \cdot 2$         | 100   | 598752  | 1610, 2155 (5), 2154 (5)   | 427, 777                                |
| 1143                                | $5^2 : 2 \cdot 2$         | 100   | 598752  | 1611, 2151 (10)  | 776, 780, 782                           |
| 1144                                | $5^2 : 2 : 2$             | 100   | 598752  | 1612 (2), 1611, 2152 (10)  | 776, 780, 781                           |
| 1145                                | $5^2 : 2 \cdot 2$         | 100   | 299376  | 1611, 2150 (20), 2158 (10)   | 778, 779 (2), 780 (2)                   |
| 1146                                | $5^2 : 2 \cdot 2$         | 100   | 299376  | 1611, 2158 (10)  | 778, 781, 782                           |
| 1147                                | $2^{1+4} : 3$             | 96    | 1247400 | 1824, 2034 (8), 2035 (4), 2065 (4), 2064 (4)                       | 77, 562, 787                            |
| 1148                                | $2^4 : S_3$               | 96    | 1247400 | 1703, 1658 (2), 1623, 1621, 1625, 1702, 1851 (3), 2044 (4)         | 206 (2), 208 (2), 557, 817              |
| 1149                                | $2^4 : S_3$               | 96    | 2494800 | 1682, 1656, 1622, 1620, 1657, 1626, 1684, 1851 (3), 2043 (4)       | 206, 208, 541, 548, 549                 |

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|-------------------------------------|---------------------------|-------|---------|--|---|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                    |
| 1150                                | $2^4 : S_3$               | 96    | 623700  | 1627 (2), 1662, 1681, 1629, 1691 (2), 1852 (3), 2049 (4)                                   | 215, 538 (2), 640 (4), 789, 795, 797                  |
| 1151                                | $2^4 : S_3$               | 96    | 207900  | 1630 (3), 1628 (3), 1672, 1852 (3), 2045 (4)   | 215 (3), 485 (2), 633 (6), 662, 790, 796 (3), 798 (3) |
| 1152                                | $2^4 : S_3$               | 96    | 623700  | 1632, 1708, 1627, 1730, 1710, 1663, 1629, 1853 (3), 2050 (4)                               | 216, 543, 789, 791, 793                               |
| 1153                                | $2^4 : S_3$               | 96    | 311850  | 1631 (2), 1628, 1731, 1630 (2), 1732, 1853 (3), 2046 (4)                                   | 216 (2), 790, 792, 794, 853, 864, 871, 876            |
| 1154                                | $2^2 \times 4 : S_3$      | 96    | 623700  | 1650, 1629, 1652, 1841 (3), 2048 (4)   | 222, 311 (2), 793, 795, 799                           |
| 1155                                | $2^2 \times 4 : S_3$      | 96    | 623700  | 1648, 1630, 1649, 1841 (3), 2047 (4)   | 222, 312 (2), 794, 796, 800                           |
| 1156                                | $2^4 : S_3$               | 96    | 207900  | 1629 (3), 1733 (3), 1664, 1854 (3), 2051 (4)   | 224, 387 (4), 644, 791, 797 (3), 799 (3)              |
| 1157                                | $2^4 : S_3$               | 96    | 207900  | 1630 (3), 1671 (3), 1665, 1854 (3), 2052 (4)   | 224, 486 (2), 634 (2), 643, 792, 798 (3), 800 (3)     |
| 1158                                | $2^2 \times 4 : S_3$      | 96    | 623700  | 1630, 1659, 1649, 1848 (3), 2053 (4)   | 225, 487 (2), 489 (4), 635 (2), 794, 798, 801         |
| 1159                                | $2^2 \times 4 : S_3$      | 96    | 623700  | 1667, 1629, 1666, 1848 (3), 2054 (4)   | 225, 488 (4), 793, 797, 802                           |
| 1160                                | $2^4 : S_3$               | 96    | 623700  | 1630, 1631 (2), 1671, 1721 (2), 1722, 1855 (3), 2055 (4)                                   | 234, 641 (4), 792, 796, 801                           |
| 1161                                | $2^4 : S_3$               | 96    | 623700  | 1670, 1632 (2), 1723, 1729 (2), 1629, 1855 (3), 2044 (4)                                   | 234, 642 (4), 791, 795, 802                           |
| 1162                                | $2^4 : S_3$               | 96    | 207900  | 1630 (3), 1672, 1731 (3), 1856 (3), 2056 (4)   | 235, 646, 790, 800 (3), 801 (3)                       |
| 1163                                | $2^4 : S_3$               | 96    | 207900  | 1629 (3), 1734 (3), 1673, 1856 (3), 2057 (4)   | 235, 645, 789, 799 (3), 802 (3)                       |
| 1164                                | $D_8 \times 2 \times S_3$ | 96    | 1247400 | 1634, 1669, 1641 (2), 1635, 1636 (2), 1689, 1644 (2), 1633, 1707, 1692, 1646 (2), 1852 (3) | 304 (2), 539, 633, 640 (2), 647 (2), 822              |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups  | Minimal Overgroups                       |
| 1165                                | $D_8 \times 2 \times S_3$        | 96    | 2494800 | 1638, 1677, 1637, 1645, 1685, 1687, 1642, 1643, 1678, 1701, 1640, 1680, 1617, 1639, 1688, 1855 (3) | 305, 540, 641, 642, 677                  |
| 1166                                | $2^4 : S_3$                      | 96    | 623700  | 1733, 1681, 1666, 1849 (3), 2105 (4)   | 306, 797, 804, 805                       |
| 1167                                | $2^4 : S_3$                      | 96    | 311850  | 1648, 1628, 1722, 1835 (3), 2059 (4)   | 309 (4), 796 (2), 853, 871 (2)           |
| 1168                                | $2^2 \times 4 : S_3$             | 96    | 623700  | 1671, 1628, 1649, 1840 (3), 2060 (4)   | 315 (2), 490 (2), 667 (2), 796, 798, 864 |
| 1169                                | $D_8 \times A_4$                 | 96    | 623700  | 1722, 1672, 1649, 1837, 2061 (4)   | 316 (2), 660, 796, 801, 838              |
| 1170                                | $2^2 \times 4 : S_3$             | 96    | 623700  | 1670, 1662, 1650, 1842 (3), 2062 (4)   | 317 (2), 491 (2), 795, 809, 832          |
| 1171                                | $D_8 \times A_4$                 | 96    | 623700  | 1723, 1681, 1650, 1836, 2063 (4)   | 318 (2), 795, 805, 831                   |
| 1172                                | $2^4 : S_3$                      | 96    | 623700  | 1652, 1662, 1723, 1843 (3), 2066 (4)   | 321 (2), 795, 824, 857                   |
| 1173                                | $2^4 : S_3$                      | 96    | 623700  | 1652, 1681, 1670, 1834 (3), 2067 (4)   | 322 (2), 795, 804, 856                   |
| 1174                                | $2^4 : S_3$                      | 96    | 623700  | 1671, 1672, 1648, 1844 (3), 2068 (4)   | 323 (2), 683, 796, 800, 842              |
| 1175                                | $2^4 : S_3$                      | 96    | 831600  | 1653 (3), 1704 (3), 1696, 1854 (3), 2051 (4)   | 387, 554, 634, 655                       |
| 1176                                | $2^4 : S_3$                      | 96    | 415800  | 1654 (3), 1702 (3), 1697, 1857 (3), 2106 (4)   | 388 (2), 551, 656, 817                   |
| 1177                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 415800  | 1655 (3), 1703 (3), 1697, 1847, 2107 (4)   | 389 (2), 552, 561, 657, 817              |
| 1178                                | $2^4 : 3 \times 2$               | 96    | 831600  | 1693, 1847, 2078 (4), 2108 (4), 2034 (12)  | 390, 391, 550, 562, 657                  |
| 1179                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 14850   | 1728 (7), 1847, 2077 (4)   | 392 (8), 657 (28), 839 (21)              |
| 1180                                | $2^3 \cdot 2 : S_3$              | 96    | 1247400 | 1669, 1674, 1661, 1635, 1668, 1660, 1675, 1848 (3)   | 492 (2), 560, 635, 822                   |
| 1181                                | $2^4 : S_3$                      | 96    | 207900  | 1662 (3), 1673, 1663 (3), 1858 (3), 2109 (4)   | 493 (2), 663, 789, 809 (3), 857 (3)      |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups   | Minimal Overgroups                                       |
| 1182                                | $2^4 : S_3$                      | 96    | 207900  | 1663 (3), 1670 (3),<br>1664, 1837 (3), 2106<br>(4)                    | 494 (2), 660, 791, 809<br>(3), 856 (3)                   |
| 1183                                | $2^2 \times 4 : S_3$             | 96    | 623700  | 1650, 1663, 1666,<br>1859 (3), 2110 (4)                               | 495 (2), 793, 805, 809                                   |
| 1184                                | $2^4 : S_3$                      | 96    | 103950  | 1659, 1628, 1665,<br>1860 (3), 2100 (4)                               | 496 (4), 658, 664 (4),<br>798 (6), 853 (3)               |
| 1185                                | $2^4 : S_3$                      | 96    | 623700  | 1664, 1662, 1666,<br>1861 (3), 2111 (4)                               | 497 (2), 659, 797,<br>809, 824                           |
| 1186                                | $D_8 \times A_4$                 | 96    | 623700  | 1664, 1673, 1650,<br>1856, 2112 (4)                                   | 498 (2), 645, 646,<br>799, 809, 831                      |
| 1187                                | $D_8 \times A_4$                 | 96    | 623700  | 1665, 1672, 1649,<br>1854, 2113 (4)                                   | 499 (2), 643, 644,<br>655 (4), 665 (2), 798,<br>800, 838 |
| 1188                                | $2^4 : S_3$                      | 96    | 623700  | 1666, 1673, 1670,<br>1862 (3), 2114 (4)                               | 500 (2), 661, 802,<br>804, 809                           |
| 1189                                | $2^4 : S_3$                      | 96    | 623700  | 1671, 1659, 1672,<br>1861 (3), 2115 (4)                               | 501 (2), 659, 666 (2),<br>798, 801, 842                  |
| 1190                                | $2^4 : S_3$                      | 96    | 1247400 | 1658, 1699, 1679,<br>1700, 1655, 1654,<br>1623, 1863 (3), 2050<br>(4) | 543, 544, 817  |
| 1191                                | $2^4 : 3 \times 2$               | 96    | 623700  | 1727, 1864, 2116 (4),<br>2089 (8), 2086 (4),<br>2084 (4)              | 545, 811, 816, 819                                       |
| 1192                                | $2^4 : 3 \times 2$               | 96    | 207900  | 1726, 1850, 2116<br>(12), 2117 (8)                                    | 545 (3), 685, 803 (3),<br>812 (3), 818                   |
| 1193                                | $4^2 : 3 \times 2$               | 96    | 623700  | 1735, 1865, 2116 (4)  | 545, 814, 815, 820                                       |
| 1194                                | $2^2 \times 4 \cdot 2 : 3$       | 96    | 1247400 | 1866, 2116 (4)  | 545, 813   |
| 1195                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 207900  | 1681 (3), 1673, 1710<br>(3), 1850, 2118 (4)                           | 546 (3), 685, 789, 804<br>(3), 831 (3)                   |
| 1196                                | $2^4 : S_3$                      | 96    | 623700  | 1691 (2), 1708 (2),<br>1681, 1734, 1663,<br>1836 (3), 2030 (4)        | 547 (2), 789, 805, 856                                   |
| 1197                                | $2^4 : 3 : 2$                    | 96    | 2494800 | 1695, 1867, 2078 (4)  | 550, 668   |
| 1198                                | $2^4 : 3 : 2$                    | 96    | 831600  | 1694, 1868, 2078 (4)  | 550, 669, 671  |
| 1199                                | $2 \times 12 : 2 : 2$            | 96    | 415800  | 1690 (3), 1711 (3),<br>1698, 1868                                     | 553, 670, 671, 821 (3)                                   |
| 1200                                | $2^4 : S_3$                      | 96    | 415800  | 1623 (3), 1705 (3),<br>1697, 1869 (3), 2051<br>(4)                    | 554, 673, 817  |

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|-------------------------------------|----------------------------------|-------|---------|---|---|
| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups   | Minimal Overgroups                      |
| 1201                                | $2^4 : S_3$                      | 96    | 415800  | 1669 (3), 1713 (3),<br>1706 (3), 1712 (3),<br>1634, 1660, 1698,<br>1854 (3) | 555, 634, 665, 822 (3)                  |
| 1202                                | $D_8 \times 6 : 2$               | 96    | 623700  | 1689 (2), 1715, 1668<br>(2), 1698, 1714, 1860                               | 556, 664 (2), 672 (2),<br>806, 821, 822 |
| 1203                                | $2^4 : S_3$                      | 96    | 1247400 | 1700 (2), 1703, 1705,<br>1654, 1621, 1625,<br>1870 (3), 2119 (4)            | 558, 817                                |
| 1204                                | $2^4 : S_3$                      | 96    | 1247400 | 1699 (2), 1702, 1705,<br>1655, 1621, 1625,<br>1871 (3), 2120 (4)            | 559, 569, 817                           |
| 1205                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 207900  | 1710 (3), 1723 (3),<br>1664, 1872, 2107 (4)                                 | 561, 675, 791, 824<br>(3), 831 (3)      |
| 1206                                | $Q_8 : (2 \times 6)$             | 96    | 415800  | 1709 (3), 1873, 2107<br>(4)   | 561, 674, 823 (3)                       |
| 1207                                | $2^4 : 3 \times 2$               | 96    | 415800  | 1725, 1872, 2108 (4),<br>2035 (4), 2121 (12)                                | 562, 675, 826 (3)                       |
| 1208                                | $2^{1+4} : 3$                    | 96    | 415800  | 1874, 2078 (8), 2035<br>(4), 2070 (4), 2071<br>(4)                          | 562, 676, 827 (3)                       |
| 1209                                | $2^{1+4} : 3$                    | 96    | 2494800 | 1875, 2078 (4), 2121<br>(4), 2065 (4), 2034<br>(4), 2064 (4)                | 562                                     |
| 1210                                | $2^{1+4} : 3$                    | 96    | 1247400 | 1876, 2070 (4), 2121<br>(4), 2064 (4), 2034<br>(8)                          | 562, 786                                |
| 1211                                | $2^{1+4} : 3$                    | 96    | 1247400 | 1877, 2071 (4), 2121<br>(4), 2034 (8), 2065<br>(4)                          | 562, 784                                |
| 1212                                | $Q_8 : A_4$                      | 96    | 415800  | 1873, 2070 (4), 2108<br>(4), 2065 (12)                                      | 562, 674, 828 (3)                       |
| 1213                                | $Q_8 : A_4$                      | 96    | 415800  | 1873, 2071 (4), 2108<br>(4), 2064 (12)                                      | 562, 674, 825 (3)                       |
| 1214                                | $2^{1+4} \times 3$               | 96    | 207900  | 1715 (3), 1716 (6),<br>1690 (6), 1874                                       | 563, 676, 821 (3), 829<br>(3), 830      |
| 1215                                | $2^3 \cdot 2 : S_3$              | 96    | 1247400 | 1634, 1674, 1717,<br>1707, 1706, 1668,<br>1718, 1861 (3)                    | 564, 666, 822                           |
| 1216                                | $D_8 \times 2 : S_3$             | 96    | 1247400 | 1689, 1719, 1675,<br>1692, 1706, 1660,<br>1717, 1840 (3)                    | 565, 667, 822                           |

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| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                    |
| 1217                                | $Q_8 \times 2 : S_3$            | 96    | 1247400 | 1647 (2), 1709, 1878 (3), 2122 (4)                       | 566, 823  |
| 1218                                | $2^4 : S_3$                     | 96    | 623700  | 1662, 1710, 1691 (2), 1730 (2), 1734, 1879 (3), 2122 (4) | 566, 789, 824, 832                                    |
| 1219                                | $A_4 \times 2 \cdot 2 \times 2$ | 96    | 623700  | 1710, 1667, 1650, 1880, 2123 (4)                         | 567, 793, 831, 832                                    |
| 1220                                | $2^4 \cdot S_3$                 | 96    | 623700  | 1710, 1666, 1652, 1881 (3), 2124 (4)                     | 568, 793, 804, 824                                    |
| 1221                                | $Q_8 \times 2 \cdot S_3$        | 96    | 1247400 | 1709, 1882 (3), 2124 (4)                                 | 568, 823  |
| 1222                                | $2^4 : S_3$                     | 96    | 623700  | 1708 (2), 1670, 1733, 1710, 1729 (2), 1883 (3), 2120 (4) | 569, 791, 804, 832                                    |
| 1223                                | $D_8 \times 2 \cdot S_3$        | 96    | 623700  | 1719 (2), 1715, 1884 (3)                                 | 570, 806, 830, 833                                    |
| 1224                                | $D_8 \times 2 \cdot S_3$        | 96    | 623700  | 1720 (2), 1715, 1885 (3)                                 | 571, 806, 829, 834                                    |
| 1225                                | $2 \times 12 : 2 : 2$           | 96    | 1247400 | 1711, 1690, 1714, 1886                                   | 572, 821  |
| 1226                                | $2 \times 12 : 2 : 2$           | 96    | 623700  | 1711 (2), 1715, 1887                                     | 573, 821, 833, 834                                    |
| 1227                                | $2 \times 4 : 2 : S_3$          | 96    | 1247400 | 1707, 1713, 1717, 1635, 1675, 1714, 1712, 1888 (3)       | 574, 822  |
| 1228                                | $D_8 \times 2 : S_3$            | 96    | 623700  | 1715, 1719, 1674 (2), 1633, 1713 (2), 1849 (3)           | 575, 822, 830, 834                                    |
| 1229                                | $D_8 \times 2 : S_3$            | 96    | 623700  | 1692 (2), 1715, 1718, 1661, 1712 (2), 1889 (3)           | 576, 822, 829, 833                                    |
| 1230                                | $D_8 : 2 \cdot S_3$             | 96    | 1247400 | 1720, 1716, 1661, 1890 (3)                               | 577, 829  |
| 1231                                | $D_8 : 2 : S_3$                 | 96    | 1247400 | 1716, 1720, 1619 (2), 1718, 1651 (2), 1891 (3)           | 578, 829  |
| 1232                                | $2^4 : S_3$                     | 96    | 103950  | 1724, 1892 (3), 2081 (12)                                | 636, 835 (3), 847 (3), 849 (3), 850 (3), 854, 858 (2) |
| 1233                                | $2^4 : 3 : 2$                   | 96    | 311850  | 1724, 1892, 2082 (4)                                     | 636, 835, 847, 849, 851, 855, 859 (2)                 |
| 1234                                | $2^4 : S_3$                     | 96    | 207900  | 1726, 1893 (3), 2083 (12)                                | 637, 818, 836 (3), 846 (3)                            |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups                            | Minimal Overgroups                                     |
| 1235                                | $2^4 : 3 : 2$                    | 96    | 623700  | 1726, 1893, 2084 (4)                         | 637, 812, 837, 846                                     |
| 1236                                | $2^4 : S_3$                      | 96    | 207900  | 1726, 1894 (3), 2085 (12)                    | 638, 818, 837 (3), 848 (3)                             |
| 1237                                | $2^4 : 3 : 2$                    | 96    | 623700  | 1726, 1894, 2086 (4)                         | 638, 812, 836, 848                                     |
| 1238                                | $D_8 \times A_4$                 | 96    | 311850  | 1728 (2), 1736, 1857, 2125 (4)               | 656 (4), 788 (2), 839 (2), 877                         |
| 1239                                | $2^4 : S_3$                      | 96    | 103950  | 1724, 1860 (3), 2075 (8), 2087 (4)           | 658, 672 (4), 808, 835 (3), 852 (3)                    |
| 1240                                | $2^4 : S_3$                      | 96    | 1247400 | 1725, 1861 (3), 2032 (4), 2042 (4), 2126 (4) | 659, 826   |
| 1241                                | $2^4 : S_3$                      | 96    | 623700  | 1726, 1862 (3), 2127 (8), 2088 (4)           | 661, 803, 836, 837                                     |
| 1242                                | $D_8 \times A_4$                 | 96    | 623700  | 1664, 1681, 1667, 1852, 2074 (4)             | 662, 797, 831, 856                                     |
| 1243                                | $D_8 \times A_4$                 | 96    | 623700  | 1673, 1667, 1723, 1858, 2128 (4)             | 663, 802, 831, 857                                     |
| 1244                                | $2^4 : S_3$                      | 96    | 207900  | 1727, 1867 (3), 2037 (12)                    | 668 (4), 816 (3)                                       |
| 1245                                | $2^4 : S_3$                      | 96    | 34650   | 1724, 1868 (3), 2079 (12)                    | 669 (8), 670 (4), 678, 808 (3), 851 (9), 854 (3)       |
| 1246                                | $2^4 : 3 : 2$                    | 96    | 103950  | 1724, 1868, 2076 (4)                         | 671 (4), 678, 808, 850 (3), 855 (3)                    |
| 1247                                | $D_8 \times A_4$                 | 96    | 623700  | 1728, 1732, 1736, 1869, 2129 (4)             | 673 (2), 839, 873, 877                                 |
| 1248                                | $Q_8 \times A_4$                 | 96    | 103950  | 1736 (3), 1873, 2069 (4)                     | 674 (4), 840 (6), 877 (3)                              |
| 1249                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 51975   | 1732 (3), 1672 (4), 1872, 2130 (4)           | 675 (4), 790, 838 (6), 842 (6), 873 (3), 880 (3)       |
| 1250                                | $2^{1+4} : 3$                    | 96    | 51975   | 1874, 2076 (8), 2131 (4), 2058 (8)           | 676 (4), 807, 810 (6), 841 (6), 865 (3), 866 (3)       |
| 1251                                | $2^4 : 3 \times 2$               | 96    | 103950  | 1724, 1895, 2097 (8), 2132 (12)              | 681, 844, 852 (3), 854, 855 (3), 858, 859 (3), 860 (3) |
| 1252                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 103950  | 1732 (3), 1722 (3), 1665, 1895, 2096 (4)     | 681, 792, 838 (3), 845, 853 (3), 861 (3), 862, 863 (3) |
| 1253                                | $2^4 : S_3$                      | 96    | 311850  | 1724, 1896 (3), 2101 (8), 2038 (4)           | 682, 847, 849, 850, 851, 852, 860 (2)                  |

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|-------------------------------------|---------------------------------|-------|---------|--|-----------------------------------|
| Nr.                                 | Structure                       | Order | Length  | Maximal Subgroups  | Minimal Overgroups                |
| 1254                                | $2^4 : S_3$                     | 96    | 311850  | 1731, 1665, 1648, 1896 (3), 2102 (4)                     | 682, 800 (2), 853, 861 (2)        |
| 1255                                | $2^4 : S_3$                     | 96    | 1247400 | 1725, 1844 (3), 2133 (4), 2039 (4), 2036 (4)             | 683, 826                          |
| 1256                                | $2^4 : S_3$                     | 96    | 623700  | 1734, 1664, 1652, 1844 (3), 2134 (4)                     | 683, 799, 824, 856                |
| 1257                                | $2^4 : S_3$                     | 96    | 623700  | 1726, 1897 (3), 2033 (8), 2037 (4)                       | 684, 803, 846, 848                |
| 1258                                | $2^4 : S_3$                     | 96    | 623700  | 1673, 1733, 1652, 1897 (3), 2135 (4)                     | 684, 799, 804, 857                |
| 1259                                | $4^2 : S_3$                     | 96    | 623700  | 1735, 1898 (3), 2083 (4)                                 | 783, 820, 868                     |
| 1260                                | $4^2 : 3 : 2$                   | 96    | 623700  | 1735, 1899, 2086 (4)                                     | 783, 814, 867                     |
| 1261                                | $4^2 : S_3$                     | 96    | 623700  | 1735, 1900 (3), 2088 (4)                                 | 783, 785, 815                     |
| 1262                                | $4^2 : 3 : 2$                   | 96    | 623700  | 1735, 1901, 2084 (4)                                     | 785, 814, 868                     |
| 1263                                | $4^2 : S_3$                     | 96    | 623700  | 1735, 1902 (3), 2085 (4)                                 | 785, 820, 867                     |
| 1264                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 1736, 1721 (2), 1903 (3), 2072 (4)                       | 788, 840, 879                     |
| 1265                                | $2^2 \times 4 \cdot S_3$        | 96    | 623700  | 1736, 1904 (3), 2073 (4)                                 | 788, 840, 881                     |
| 1266                                | $2^4 : S_3$                     | 96    | 623700  | 1730 (2), 1729 (2), 1663, 1723, 1733, 1905 (3), 2119 (4) | 791, 805, 857                     |
| 1267                                | $2^4 : S_3$                     | 96    | 311850  | 1731 (2), 1721 (2), 1671 (2), 1732, 1906 (3), 2136 (4)   | 792, 842, 861, 864, 870, 878, 879 |
| 1268                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 1667, 1663, 1652, 1838 (3), 2031 (4)                     | 793, 856, 857                     |
| 1269                                | $A_4 \times 2 \cdot 2 \times 2$ | 96    | 311850  | 1649 (2), 1732, 1907, 2092 (4)                           | 794, 838, 863, 864, 872, 874, 878 |
| 1270                                | $2^4 \cdot S_3$                 | 96    | 311850  | 1648, 1732, 1659, 1908 (3), 2090 (4)                     | 794, 842, 853, 862, 870, 874, 875 |
| 1271                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 1667, 1662, 1733, 1888 (3), 2137 (4)                     | 797, 832, 857                     |
| 1272                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 1734, 1650, 1733, 1909 (3), 2138 (4)                     | 799, 805, 832                     |
| 1273                                | $2^2 \times 4 : S_3$            | 96    | 623700  | 1731, 1649, 1671, 1910 (3), 2139 (4)                     | 800, 801, 864                     |
| 1274                                | $2^4 : S_3$                     | 96    | 311850  | 1731, 1659, 1722, 1911 (3), 2104 (4)                     | 801 (2), 853, 870 (2)             |

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| Nr.                                 | Structure                        | Order | Length  | Maximal Subgroups                            | Minimal Overgroups                                |
| 1275                                | $2^2 \times 4 : S_3$             | 96    | 623700  | 1670, 1667, 1734, 1845 (3), 2140 (4)         | 802, 832, 856                                     |
| 1276                                | $2^4 : S_3$                      | 96    | 623700  | 1734, 1723, 1666, 1912 (3), 2141 (4)         | 802, 805, 824                                     |
| 1277                                | $4^2 : S_3$                      | 96    | 623700  | 1735, 1913 (3), 2037 (4)                     | 815, 867, 868                                     |
| 1278                                | $2^4 : S_3$                      | 96    | 623700  | 1727, 1914 (3), 2085 (4), 2083 (4), 2088 (4) | 816, 819 (2)                                      |
| 1279                                | $A_4 \times 2 \times 2 \cdot 2$  | 96    | 311850  | 1736 (2), 1728, 1915, 2142 (4)               | 839, 869 (2), 877 (2)                             |
| 1280                                | $A_4 \times 2 \times 2 \times 2$ | 96    | 155925  | 1732, 1722 (4), 1728 (2), 1916, 2143 (4)     | 839 (2), 845, 869 (2), 870 (2), 871 (2), 872, 873 |
| 1281                                | $2^4 : S_3$                      | 96    | 623700  | 1731, 1722, 1648, 1917 (3), 2144 (4)         | 861, 870, 871                                     |
| 1282                                | $2^4 \cdot S_3$                  | 96    | 311850  | 1732, 1648 (2), 1918 (3), 2098 (4)           | 861, 862, 871, 874, 876, 878, 880                 |
| 1283                                | $A_4 \times 2 \cdot 2 \times 2$  | 96    | 155925  | 1736 (2), 1732, 1919, 2099 (4)               | 863 (2), 873, 875, 876 (2), 877 (2), 879, 881 (2) |
| 1284                                | $3 \times 15 : 2$                | 90    | 332640  | 1737, 2006 (2), 2007 (2), 2176 (5)           | 474, 475, 600 (2), 884 (2), 887, 888 (2)          |
| 1285                                | $15 : S_3$                       | 90    | 332640  | 1737, 2004 (6), 2005 (6), 2177               | 584 (2), 882, 887, 891                            |
| 1286                                | $15 : S_3$                       | 90    | 332640  | 1737, 2009 (6), 2008 (6), 2178 (5)           | 604 (2), 887                                      |
| 1287                                | $7 : 3 : 2 \times 2$             | 84    | 1425600 | 1738 (2), 1742, 2014, 2373 (7)               | 62, 385, 703 (2), 892                             |
| 1288                                | $7 : 3 \times 2 \cdot 2$         | 84    | 1425600 | 1742, 2013, 2374 (7)                         | 65, 386, 533 (2), 892                             |
| 1289                                | $D_{14} \times S_3$              | 84    | 950400  | 1739, 1741, 1743, 2014 (3), 2364 (7)         | 325, 703  |
| 1290                                | $7 : 3 \times 2 \times 2$        | 84    | 475200  | 1742 (3), 2012, 2375 (7)                     | 387 (2), 388, 389 (2), 704, 892 (3)               |
| 1291                                | $2 \times 14 : 3$                | 84    | 950400  | 2012, 2149 (4), 2376 (7)                     | 390, 391, 704                                     |
| 1292                                | $2 \times 14 : 3$                | 84    | 475200  | 2012, 2148 (4), 2377                         | 392 (2), 534, 704, 899                            |
| 1293                                | $3^{1+2} : 3$                    | 81    | 492800  | 2017, 2015 (2), 2016                         | 96 (3), 609, 705, 900 (3)                         |
| 1294                                | $3^{1+2} : 3$                    | 81    | 246400  | 2017, 2019, 2020 (2)                         | 614, 705, 903, 905 (3), 906 (3)                   |
| 1295                                | $3^{1+2} : 3$                    | 81    | 492800  | 2021, 2015 (2), 2019                         | 616, 705, 904 (3)                                 |
| 1296                                | $3^{1+2} : 3$                    | 81    | 985600  | 2021, 2016, 2015, 2020                       | 618, 705  |

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| Nr.                                 | Structure                          | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 1297                                | $3^4$                              | 81    | 15400   | 2017 (4), 2021 (8), 2018 (12), 2022 (16)           | 705 (16), 907 (24), 908, 911 (6), 912 (12)                   |
| 1298                                | $3^{1+2} \times 3$                 | 81    | 246400  | 2022, 2023 (3), 2024 (3), 2016 (2), 2025 (3), 2019 | 705, 902 (3), 909 (3), 910                                   |
| 1299                                | $3^{1+2} \times 3$                 | 81    | 492800  | 2022, 2026 (3), 2027 (3), 2015 (2), 2028 (3), 2020 | 705, 901 (3)   |
| 1300                                | $20 : 2 \cdot 2$                   | 80    | 1496880 | 1745, 1750, 1746, 2224 (5)                         | 366 (2), 490, 491, 736, 913                                  |
| 1301                                | $D_{10} \cdot 2 \times 2 \times 2$ | 80    | 498960  | 1746 (3), 1747 (3), 1751, 2236 (5)                 | 485, 493, 713 (3), 728, 913 (3)                              |
| 1302                                | $D_{10} \cdot 2 \times 2 \times 2$ | 80    | 498960  | 1747 (3), 1750 (3), 1748, 2223 (5)                 | 486, 494, 718, 722, 913 (3)                                  |
| 1303                                | $D_{20} \cdot 2 \cdot 2$           | 80    | 1496880 | 1749, 1745, 1747, 2237 (5)                         | 487, 495, 537 (2), 719, 913                                  |
| 1304                                | $D_{10} \cdot 2 \times 2 : 2$      | 80    | 498960  | 1749, 1748, 1746, 2238 (5)                         | 496, 497 (3), 717, 729, 913 (3)                              |
| 1305                                | $D_8 \times (D_{10})$              | 80    | 1496880 | 1754, 1751, 1753, 1752, 1755, 1748, 1745, 2239 (5) | 498, 499, 711, 712, 716 (2), 730, 913                        |
| 1306                                | $D_{10} \cdot 2 \times 2 : 2$      | 80    | 1496880 | 1750, 1749, 1751, 2240 (5)                         | 500, 501, 727, 735, 913                                      |
| 1307                                | $2^4 : 5$                          | 80    | 374220  | 2241, 2511 (16)                                    | 914, 915, 916  |
| 1308                                | $A_4 \times S_3$                   | 72    | 3326400 | 1758, 2043, 2034 (3), 2167 (4)                     | 20, 21, 180, 273   |
| 1309                                | $3 : S_3 \cdot 2 : 2$              | 72    | 1663200 | 1765, 1766, 1777, 2424 (9)                         | 79, 262, 264, 418, 421, 918                                  |
| 1310                                | $3 : S_3 \cdot 2 : 2$              | 72    | 1663200 | 1763, 1764, 1779, 2424 (9)                         | 80, 261, 351, 418, 919                                       |
| 1311                                | $3 : S_3 \cdot 2 : 2$              | 72    | 1663200 | 1767, 1768, 1779, 2424 (9)                         | 81, 263, 353, 421, 919                                       |
| 1312                                | $A_4 : S_3$                        | 72    | 27720   | 1795, 2075 (6), 2040 (3), 2100 (3), 2177 (4)       | 148, 583 (5), 584 (6), 658 (5), 739 (10), 923 (10), 924 (15) |
| 1313                                | $2 \times 6 : S_3$                 | 72    | 1663200 | 1757, 2032, 2061 (3), 2179 (4)                     | 178, 757, 926  |
| 1314                                | $A_4 \times S_3$                   | 72    | 554400  | 1757, 2045, 2035 (3), 2180 (4)                     | 182 (3), 770, 926 (3)  |
| 1315                                | $A_4 : S_3$                        | 72    | 1663200 | 1757, 2033 (6), 2036 (3), 2068 (3), 2181 (4)       | 183, 771, 926  |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 1316                                | $3 : S_3 \cdot 2 : 2$      | 72    | 831600  | 1759, 1760, 1775, 2428 (9)                               | 266 (2), 740 (2), 764 (2), 927, 946, 1001                  |
| 1317                                | $D_{12} \times S_3$        | 72    | 415800  | 1796, 1770 (2), 1759, 1769 (2), 1761, 2050 (6)           | 267 (2), 927, 928, 929, 947, 998, 1002, 1003               |
| 1318                                | $3 : S_3 \cdot 2 : 2$      | 72    | 415800  | 1761, 1760, 1775, 2429 (9)                               | 268 (4), 927 (2), 947, 999 (2)                             |
| 1319                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 1663200 | 1764, 1768, 1806, 2430 (9)                               | 272, 347, 355, 419, 919                                    |
| 1320                                | $A_4 \times S_3$           | 72    | 554400  | 1804, 2106, 2108 (3), 2168 (4)                           | 274 (2), 741, 994 (3)                                      |
| 1321                                | $2 \times 6 \times S_3$    | 72    | 277200  | 1770 (3), 1771 (3), 1801, 2106, 2107 (3)                 | 275 (2), 741, 928, 989 (3), 995 (3)                        |
| 1322                                | $3 : S_3 \cdot 2 : 2$      | 72    | 1663200 | 1767, 1764, 1807, 2431 (9)                               | 281, 349, 420, 919   |
| 1323                                | $D_{12} \times S_3$        | 72    | 1663200 | 1763, 1772 (2), 1806, 1762 (2), 1767, 2043 (6)           | 282, 768 (2), 919  |
| 1324                                | $S_3 \times S_3 : 2$       | 72    | 1663200 | 1768, 1763, 1807, 2432 (9)                               | 283, 357, 422, 919   |
| 1325                                | $D_{12} \times S_3$        | 72    | 415800  | 1761 (2), 1765 (2), 1796, 1771 (2), 2044 (6)             | 284 (2), 751 (4), 918, 928, 931, 961, 967, 992, 999        |
| 1326                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800  | 1766 (2), 1796, 2433 (9)                                 | 285 (2), 411 (2), 918, 929, 930, 949, 968, 993, 1000       |
| 1327                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800  | 1760 (2), 1796, 2434 (9)                                 | 286 (2), 927, 930, 931, 962, 1001, 1005, 1006              |
| 1328                                | $D_{12} \times S_3$        | 72    | 831600  | 1769 (2), 1771, 1803, 1770, 1765 (2), 2119 (3), 2120 (3) | 287 (2), 928, 997, 1007                                    |
| 1329                                | $2 \times 6 : S_3$         | 72    | 277200  | 1795, 2040, 2113 (3), 2172 (4)                           | 292, 585 (3), 643 (3), 739 (3), 743, 923, 934 (3), 936 (3) |
| 1330                                | $2 \times 6 : S_3$         | 72    | 277200  | 1794, 2041, 2113 (3), 2171 (4)                           | 292, 478 (6), 644 (3), 742, 932, 933 (3), 935 (3)          |
| 1331                                | $2 \times 6 : S_3$         | 72    | 277200  | 1792, 2040, 2112 (3), 2170 (4)                           | 298, 646 (3), 743, 937 (3), 940, 942 (3)                   |
| 1332                                | $2 \times 6 : S_3$         | 72    | 277200  | 1798, 2041, 2112 (3), 2173 (4)                           | 298, 645 (3), 742, 938 (3), 939, 941 (3)                   |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 1333                                | $M_9$                      | 72    | 184800  | 1787 (3), 2435 (9)   | 346 (9), 738, 765, 766, 767, 920 (9)                              |
| 1334                                | $M_9$                      | 72    | 554400  | 1774 (3), 2436 (9)   | 348 (3), 402, 755, 922 (3)  |
| 1335                                | $3 : S_3 \cdot 2 \cdot 2$  | 72    | 1663200 | 1773, 2437 (9)   | 350, 417, 921   |
| 1336                                | $S_3 \times S_3 : 2$       | 72    | 1663200 | 1773, 1815 (2), 2438 (9)                                     | 352, 416, 921   |
| 1337                                | $S_3 \times S_3 : 2$       | 72    | 1663200 | 1774, 1816 (2), 2438 (9)                                     | 354, 414, 922   |
| 1338                                | $M_9$                      | 72    | 554400  | 1773 (3), 2439 (9)   | 356 (3), 405, 756, 921 (3)  |
| 1339                                | $3 : S_3 \cdot 2 \cdot 2$  | 72    | 1663200 | 1774, 2437 (9)   | 358, 415, 922   |
| 1340                                | $D_{12} \times S_3$        | 72    | 415800  | 1775 (2), 1777 (2), 1776 (2), 1796, 2045 (6)                 | 359 (4), 633 (4), 745 (4), 917, 918, 927, 943, 946, 966, 977      |
| 1341                                | $D_{12} \times S_3$        | 72    | 415800  | 1789 (2), 1788 (2), 1775, 1796, 1817, 2046 (6)               | 360 (2), 943, 944, 945, 947, 999, 1000, 1001                      |
| 1342                                | $S_3 \times S_3 : 2$       | 72    | 138600  | 1781, 1759, 1775, 2440 (9)                                   | 362, 744 (4), 746 (4), 946 (6), 947 (3)                           |
| 1343                                | $2 \times 6 \times S_3$    | 72    | 277200  | 1776 (3), 1813, 1788 (3), 2045, 2130 (3)                     | 363 (3), 770, 943, 959 (3), 964 (3)                               |
| 1344                                | $D_{12} \times S_3$        | 72    | 831600  | 1776, 1777 (2), 1788, 1789 (2), 1820, 2056 (3), 2046 (3)     | 364 (2), 365, 943, 960, 963                                       |
| 1345                                | $D_{12} \times S_3$        | 72    | 3326400 | 1778, 1800, 1783, 1784, 1780, 1756, 1782, 2049 (3), 2055 (3) | 367, 368, 640, 641, 749, 750                                      |
| 1346                                | $D_{12} \times S_3$        | 72    | 1663200 | 1786 (2), 1779, 1807, 1785 (2), 1806, 2044 (6)               | 369 (2), 642 (2), 751 (2), 919                                    |
| 1347                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800  | 1796, 1760, 1781, 2441 (9)                                   | 370, 586 (4), 747 (4), 748 (4), 946, 947, 949, 951, 952, 961, 962 |
| 1348                                | $A_4 \times S_3$           | 72    | 277200  | 1795, 2052, 2093 (3), 2172 (4)                               | 373, 587 (3), 643 (3), 754, 759 (3), 923, 936 (3), 948 (3)        |
| 1349                                | $A_4 \times S_3$           | 72    | 831600  | 1792, 2051, 2093 (3), 2171 (4)                               | 374, 589 (2), 644, 655 (4), 673 (2), 759, 937, 953, 954           |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                 |
| 1350                                | $A_4 \times S_3$          | 72    | 831600  | 1798, 2057, 2094 (3),<br>2173 (4)                              | 375, 590 (2), 645,<br>758, 938, 956, 958           |
| 1351                                | $A_4 \times S_3$          | 72    | 831600  | 1794, 2056, 2094 (3),<br>2170 (4)                              | 376, 588 (2), 646,<br>758, 935, 955, 957           |
| 1352                                | $S_3 \times S_3 : 2$      | 72    | 138600  | 1781, 1761, 1817,<br>2442 (9)                                  | 377, 752 (4), 753 (4),<br>947 (3), 961 (6)         |
| 1353                                | $2 \times 6 \times S_3$   | 72    | 277200  | 1788 (3), 1810 (3),<br>1801, 2052, 2096 (3)                    | 378, 754, 944, 959<br>(3), 960 (3)                 |
| 1354                                | $A_4 \times S_3$          | 72    | 554400  | 1802, 2052, 2097 (3),<br>2170 (4)                              | 379, 754, 950 (3)                                  |
| 1355                                | $3 : S_3 \cdot 2 \cdot 2$ | 72    | 1663200 | 1787, 2425 (9)   | 380, 774, 920                                      |
| 1356                                | $S_3 \times S_3 : 2$      | 72    | 1663200 | 1787, 1814 (2), 2443<br>(9)                                    | 381, 773, 920                                      |
| 1357                                | $D_{12} \times S_3$       | 72    | 831600  | 1789 (2), 1803, 1788,<br>1818 (2), 1810, 2136<br>(3), 2055 (3) | 382, 944, 963, 964                                 |
| 1358                                | $Q_{12} \times S_3$       | 72    | 831600  | 1791, 1793, 1788,<br>2090 (3), 2047 (3)                        | 383, 945, 960, 964                                 |
| 1359                                | $12 \times S_3$           | 72    | 831600  | 1793, 1788, 1790,<br>2053, 2092 (3)                            | 384, 945, 959, 963                                 |
| 1360                                | $Q_8 : 3^2$               | 72    | 1663200 | 2070, 2071, 2069,<br>2058, 2175 (4)                            | 396, 674, 676, 965                                 |
| 1361                                | $12 : S_3$                | 72    | 831600  | 1810, 1776, 1790,<br>2060, 2061 (3)                            | 399 (2), 959, 963, 966                             |
| 1362                                | $12 : S_3$                | 72    | 415800  | 1791, 1790, 1796,<br>2047 (6), 2048 (6)                        | 400 (2), 945, 949,<br>966, 967, 988, 1003,<br>1005 |
| 1363                                | $12 : S_3$                | 72    | 831600  | 1811, 1790, 1771,<br>2062, 2063 (3)                            | 401 (2), 967, 989,<br>1007                         |
| 1364                                | $D_{12} : S_3$            | 72    | 831600  | 1810, 1776, 1791,<br>2059 (3), 2068 (3)                        | 409 (2), 960, 964, 966                             |
| 1365                                | $D_{12} : S_3$            | 72    | 831600  | 1771, 1791, 1811,<br>2067 (3), 2066 (3)                        | 412 (2), 967, 995, 997                             |
| 1366                                | $S_3 \times S_3 : 2$      | 72    | 1663200 | 1766, 1819, 1818,<br>2438 (9)                                  | 414, 416, 968                                      |
| 1367                                | $2 \times 6 : S_3$        | 72    | 831600  | 1792, 2080, 2074 (3),<br>2174 (4)                              | 477 (4), 591 (2), 662,<br>760, 925, 942, 953       |
| 1368                                | $2 \times 6 : S_3$        | 72    | 1663200 | 1802, 2075, 2113 (3),<br>2171 (4)                              | 478, 655 (2), 672 (2),<br>739, 950                 |
| 1369                                | $A_4 \times 3 \times 2$   | 72    | 1663200 | 1805, 2078 (2), 2077,<br>2076, 2175 (4)                        | 479 (2), 657, 671,<br>676, 978                     |
| 1370                                | $2 \times 6 : S_3$        | 72    | 1663200 | 1805, 2079, 2125 (3),<br>2182 (4)                              | 480 (2), 656, 670, 978                             |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                            | Minimal Overgroups  |
| 1371                                | $A_4 : S_3$             | 72    | 277200  | 1794, 2091 (3), 2032 (6), 2115 (3), 2183 (4) | 593 (2), 659 (3), 757, 932, 955 (3), 980 (3)                    |
| 1372                                | $Q_{12} : S_3$          | 72    | 415800  | 1793 (2), 1796, 2053 (6)                     | 594 (4), 635 (4), 929, 931, 945, 952, 977, 990, 1004            |
| 1373                                | $2 \times 6 : S_3$      | 72    | 831600  | 1794, 2091, 2061 (3), 2182 (4)               | 595 (2), 660, 757, 933, 955, 985                                |
| 1374                                | $Q_{12} : S_3$          | 72    | 415800  | 1797 (2), 1796, 2054 (6)                     | 596 (4), 917, 952, 991, 992, 1000, 1003, 1006                   |
| 1375                                | $A_4 : S_3$             | 72    | 277200  | 1792, 2111 (3), 2126 (6), 2080 (3), 2183 (4) | 597 (2), 659 (3), 760, 940, 953 (3), 979 (3)                    |
| 1376                                | $A_4 : S_3$             | 72    | 277200  | 1798, 2127 (6), 2095 (3), 2114 (3), 2184 (4) | 598 (2), 661 (3), 761, 939, 956 (3), 986 (3)                    |
| 1377                                | $2 \times 6 : S_3$      | 72    | 831600  | 1798, 2095, 2128 (3), 2185 (4)               | 599 (2), 663, 761, 941, 956, 987                                |
| 1378                                | $A_4 \times 3 \times 2$ | 72    | 415800  | 1795, 2097 (2), 2096, 2093, 2176 (4)         | 600 (2), 602, 681, 754 (2), 924, 934, 948, 969, 970, 974, 976   |
| 1379                                | $A_4 : S_3$             | 72    | 415800  | 1795, 2101 (6), 2102 (3), 2080 (3), 2178 (4) | 603, 604 (2), 682, 769 (2), 924, 936 (2), 976 (2)               |
| 1380                                | $2 \times 6 : S_3$      | 72    | 138600  | 1801, 1796 (3), 1803 (3), 2052 (6), 2051 (6) | 634 (4), 759, 928, 930 (3), 944, 951, 977 (3), 988 (3), 991 (3) |
| 1381                                | $A_4 \times S_3$        | 72    | 277200  | 1792, 2106, 2145 (3), 2182 (4)               | 656 (6), 660 (3), 741, 925 (3), 940, 954 (3)                    |
| 1382                                | $A_4 \times 3 \times 2$ | 72    | 831600  | 1792, 2108 (2), 2145, 2107, 2175 (4)         | 657 (2), 674 (2), 675, 741, 942, 954, 979                       |
| 1383                                | $A_4 \times S_3$        | 72    | 277200  | 1794, 2045, 2131 (3), 2174 (4)               | 662 (3), 770, 932, 957 (3), 985 (3)                             |
| 1384                                | $A_4 \times S_3$        | 72    | 277200  | 1798, 2109, 2146 (3), 2185 (4)               | 663 (3), 772, 939, 958 (3), 987 (3)                             |
| 1385                                | $2 \times 6 : S_3$      | 72    | 831600  | 1801, 1776, 1793, 2100, 2113 (3)             | 664 (2), 665 (2), 739, 959, 960, 977                            |
| 1386                                | $Q_{12} : S_3$          | 72    | 831600  | 1793, 1776, 1803, 2060 (3), 2115 (3)         | 666 (2), 667 (2), 963, 964, 977                                 |
| 1387                                | $2 \times 6 : S_3$      | 72    | 1663200 | 1805, 2087, 2129 (3), 2171 (4)               | 672, 673, 978   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                            | Minimal Overgroups                                     |
| 1388                                | $A_4 \times 3 \times 2$ | 72    | 831600  | 1794, 2035 (2), 2131, 2130, 2175 (4)         | 675, 676, 770, 933, 957, 980                           |
| 1389                                | $A_4 : S_3$             | 72    | 831600  | 1792, 2133 (6), 2134 (3), 2080 (3), 2186 (4) | 683, 769, 925, 937, 979                                |
| 1390                                | $A_4 : S_3$             | 72    | 831600  | 1794, 2036 (6), 2103 (3), 2068 (3), 2186 (4) | 683, 771, 935, 980, 985                                |
| 1391                                | $A_4 : S_3$             | 72    | 831600  | 1798, 2033 (6), 2103 (3), 2135 (3), 2187 (4) | 684, 771, 938, 986, 987                                |
| 1392                                | $A_4 \times 3 \times 2$ | 72    | 831600  | 1798, 2117 (2), 2146, 2118, 2188 (4)         | 685, 772, 941, 958, 986                                |
| 1393                                | $D_8 \times 3^2$        | 72    | 415800  | 1813, 1790, 1801, 2113 (2), 2112 (2)         | 742, 743, 959 (2), 988, 989 (2)                        |
| 1394                                | $D_{12} \times S_3$     | 72    | 415800  | 1810 (2), 1817 (2), 1796, 1818 (2), 2055 (6) | 749 (4), 944, 961, 966, 968, 990, 1002, 1006           |
| 1395                                | $D_{12} \times S_3$     | 72    | 415800  | 1811 (2), 1759 (2), 1796, 1819 (2), 2049 (6) | 750 (4), 946, 967, 968, 991, 998, 1001, 1004           |
| 1396                                | $2 \times 6 : S_3$      | 72    | 831600  | 1813, 1793, 1810, 2115, 2061 (3)             | 757, 959, 964, 990                                     |
| 1397                                | $2 \times 6 : S_3$      | 72    | 138600  | 1820 (3), 1796 (3), 1813, 2057 (6), 2056 (6) | 758, 943, 962, 988 (3), 990 (3), 992 (3), 993 (3), 998 |
| 1398                                | $2 \times 6 : S_3$      | 72    | 1663200 | 1804, 2126, 2074 (3), 2189 (4)               | 760, 994   |
| 1399                                | $2 \times 6 : S_3$      | 72    | 831600  | 1811, 1801, 1797, 2111, 2074 (3)             | 760, 989, 991, 995                                     |
| 1400                                | $2 \times 6 : S_3$      | 72    | 831600  | 1771, 1813, 1797, 2114, 2128 (3)             | 761, 989, 992, 997                                     |
| 1401                                | $2 \times 6 : S_3$      | 72    | 1663200 | 1812, 2127, 2128 (3), 2190 (4)               | 761, 996   |
| 1402                                | $3 : S_3 \cdot 2 : 2$   | 72    | 831600  | 1761, 1760, 1817, 2444 (9)                   | 762 (2), 763 (2), 961, 999, 1002                       |
| 1403                                | $A_4 : S_3$             | 72    | 1663200 | 1802, 2133 (6), 2101 (3), 2102 (3), 2186 (4) | 769, 950   |
| 1404                                | $A_4 : S_3$             | 72    | 1663200 | 1804, 2133 (3), 2101 (6), 2134 (3), 2191 (4) | 769, 994   |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups                   |
| 1405                                | $2 \times 6 : S_3$         | 72    | 415800  | 1801, 1791, 1820, 2102 (6), 2134 (6)   | 769, 960 (2), 988, 995 (2)           |
| 1406                                | $A_4 : S_3$                | 72    | 1663200 | 1812, 2033 (3), 2036 (6), 2135 (3), 2192 (4)   | 771, 996                             |
| 1407                                | $2 \times 6 : S_3$         | 72    | 415800  | 1813, 1791, 1803, 2135 (6), 2068 (6)   | 771, 964 (2), 988, 997 (2)           |
| 1408                                | $2 \times 6 \times S_3$    | 72    | 277200  | 1811 (3), 1813, 1770 (3), 2109, 2118 (3)   | 772, 989 (3), 997 (3), 998           |
| 1409                                | $A_4 \times S_3$           | 72    | 554400  | 1812, 2109, 2117 (3), 2193 (4)   | 772, 996 (3)                         |
| 1410                                | $3 : S_3 \cdot 2 \times 2$ | 72    | 415800  | 1760 (2), 1796, 2445 (9)   | 917, 951, 993, 999, 1002, 1004, 1005 |
| 1411                                | $S_3 \times S_3 : 2$       | 72    | 415800  | 1760, 1759, 1817, 2446 (9)   | 947, 1001 (2), 1002 (2)              |
| 1412                                | $D_{12} : S_3$             | 72    | 831600  | 1810, 1793, 1820, 2104 (3), 2139 (3)   | 960, 963, 990                        |
| 1413                                | $12 : S_3$                 | 72    | 415800  | 1803, 1790, 1820, 2138 (6), 2139 (6)   | 963 (2), 988, 1007 (2)               |
| 1414                                | $12 \times S_3$            | 72    | 831600  | 1797, 1790, 1770, 2110, 2123 (3)   | 989, 1003, 1007                      |
| 1415                                | $D_{12} : S_3$             | 72    | 831600  | 1811, 1803, 1797, 2137 (3), 2105 (3)   | 991, 997, 1007                       |
| 1416                                | $Q_{12} : S_3$             | 72    | 831600  | 1797, 1820, 1771, 2140 (3), 2141 (3)   | 992, 995, 1007                       |
| 1417                                | $D_{12} \times S_3$        | 72    | 831600  | 1770, 1819 (2), 1820, 1769 (2), 1811, 2122 (3), 2030 (3)                                 | 995, 998, 1007                       |
| 1418                                | $D_{12} \cdot S_3$         | 72    | 831600  | 1770, 1791, 1797, 2031 (3), 2124 (3)   | 995, 997, 1003                       |
| 1419                                | $35 : 2$                   | 70    | 570240  | 1821, 2352 (5), 2409   | 534, 775, 1008                       |
| 1420                                | $2^{1+4} : 2$              | 64    | 1871100 | 1839, 1827, 1823, 1825, 1822, 1826, 1824   | 95 (2), 787 (2), 1047                |
| 1421                                | $D_8 : D_8$                | 64    | 1871100 | 1903, 1920, 1921, 1904, 1832, 1833, 1857   | 238 (2), 788, 1045                   |
| 1422                                | $D_8 \times 2 \cdot 2 : 2$ | 64    | 935550  | 1860, 1885, 1884   | 430, 806 (2), 1011, 1012, 1017       |
| 1423                                | $D_8 \times D_8$           | 64    | 1871100 | 1852, 1846, 1838, 1842, 1834, 1835, 1837, 1841, 1836, 1839, 1845, 1843, 1844, 1840, 1855 | 444 (2), 795, 796, 856, 1019         |

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| Nr.                                 | Structure                  | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 1424                                | $2 \times 4 : 2 : 2 : 2$   | 64    | 935550  | 1897, 1922, 1923   | 458, 1009, 1013, 1014  |
| 1425                                | $D_8 \times 2 \cdot 2 : 2$ | 64    | 935550  | 1896, 1922, 1924   | 460, 1009, 1010, 1016  |
| 1426                                | $2 \times 4 : 2 : 2 : 2$   | 64    | 935550  | 1897, 1922, 1925   | 462, 1010, 1013, 1015  |
| 1427                                | $2 \times 4 : 2 : 2 : 2$   | 64    | 935550  | 1849, 1885, 1887   | 627 (2), 834 (2),<br>1011, 1018, 1048  |
| 1428                                | $2^4 \cdot 2 : 2$          | 64    | 467775  | 1850, 1897 (2), 1926,<br>1881 (2), 1834 (2),<br>1883 (2), 1849 (2),<br>1862 (2), 1927                        | 628 (4), 803 (4),<br>804 (4), 1013, 1018,<br>1019, 1020, 1022,<br>1023, 1042 |
| 1429                                | $8 : 2 : 2 : 2$            | 64    | 935550  | 1849, 1928, 1885   | 629 (2), 1012, 1018,<br>1024   |
| 1430                                | $2^{1+4} : 2$              | 64    | 1871100 | 1899, 1877, 1900,<br>1830, 1898, 1929,<br>1828   | 783, 784 (2), 1026   |
| 1431                                | $2^{1+4} : 2$              | 64    | 1871100 | 1901, 1829, 1930,<br>1902, 1876, 1828,<br>1900   | 785, 786 (2), 1026   |
| 1432                                | $D_8 \times 2^3$           | 64    | 155925  | 1852 (4), 1858 (4),<br>1856 (4), 1879 (6),<br>1853 (6), 1880, 1872,<br>1836 (4), 1850                        | 789 (4), 790, 831 (4),<br>1019 (6), 1042 (3)                                 |
| 1433                                | $D_8 \times 2^3$           | 64    | 311850  | 1854 (2), 1907, 1895,<br>1905 (6), 1855 (6),<br>1931 (3), 1906 (3),<br>1837 (2), 1853 (3),<br>1883 (3), 1872 | 791 (2), 792, 838,<br>1019 (3), 1027, 1032<br>(3)                            |
| 1434                                | $D_8 \times (2 \times 4)$  | 64    | 935550  | 1848 (2), 1907, 1859<br>(2), 1932, 1841 (2),<br>1908, 1838 (2), 1933,<br>1853, 1881, 1880                    | 793 (2), 794, 1019,<br>1030, 1041  |
| 1435                                | $D_8 \times D_8$           | 64    | 935550  | 1860, 1848 (2), 1854<br>(2), 1889, 1840 (2),<br>1888 (2), 1861 (2),<br>1852 (2), 1849                        | 797 (2), 798 (2), 822<br>(2), 1011, 1012, 1019                               |
| 1436                                | $D_8 \times D_8$           | 64    | 935550  | 1854 (2), 1910 (2),<br>1909 (2), 1896, 1841<br>(2), 1934, 1844 (2),<br>1856 (2), 1897                        | 799 (2), 800 (2),<br>1009, 1010, 1019  |
| 1437                                | $D_8 \times D_8$           | 64    | 1871100 | 1858, 1935, 1936,<br>1912, 1845, 1859,<br>1842, 1862, 1848,<br>1910, 1911, 1855,<br>1861, 1837, 1856         | 801, 802, 809, 1019  |

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| Nr.                                 | Structure                         | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 1438                                | $D_8 \times D_8$                  | 64    | 935550  | 1889, 1909 (2), 1937, 1912 (2), 1846 (2), 1859 (2), 1905 (2), 1836 (2), 1849                     | 805 (2), 1019, 1024, 1048                                 |
| 1439                                | $2^{1+4} : 2$                     | 64    | 155925  | 1860, 1886 (2), 1868 (2), 1887, 1874   | 807, 808 (2), 821 (4), 1011 (6), 1021 (3)                 |
| 1440                                | $2^{1+4} : 2$                     | 64    | 311850  | 1849 (3), 1884 (3), 1874   | 810, 830 (2), 1011 (3), 1023, 1024 (3)                    |
| 1441                                | $2^6$                             | 64    | 5775    | 1895 (9), 1916 (27), 1864 (27)   | 811 (36), 843 (4), 844 (6), 845 (3), 1025 (18), 1027 (27) |
| 1442                                | $D_8 \times 2^2 : 2$              | 64    | 155925  | 1850, 1893 (4), 1938 (3), 1894 (4), 1939 (3)   | 812 (4), 818 (4), 1020 (6), 1042 (3)                      |
| 1443                                | $2 \times 4 \cdot 2 \times 2 : 2$ | 64    | 311850  | 1933 (3), 1940 (3), 1866   | 813 (4), 1041 (3)   |
| 1444                                | $D_8 \times 2^2 : 2$              | 64    | 155925  | 1941 (3), 1901 (4), 1899 (4), 1942 (3), 1865   | 814 (4), 1026 (6), 1043 (3)                               |
| 1445                                | $Q_8 : (2 \times 4)$              | 64    | 935550  | 1943, 1900 (2), 1944, 1913 (2), 1865   | 815 (2), 1026, 1035, 1044                                 |
| 1446                                | $D_8 \times 2^2 : 2$              | 64    | 935550  | 1945 (2), 1946 (2), 1947, 1871 (2), 1948, 1863, 1914 (2), 1949, 1867 (2), 1864                   | 816 (2), 1025, 1036, 1059                                 |
| 1447                                | $D_8 \times 2^3$                  | 64    | 311850  | 1916, 1950 (3), 1851 (6), 1870 (6), 1951 (3), 1915, 1869 (2), 1857 (2), 1871 (3), 1863 (3), 1847 | 817 (4), 839, 1025, 1031, 1039                            |
| 1448                                | $2^3 \cdot 2 \times 2 : 2$        | 64    | 935550  | 1952 (2), 1950 (2), 1948, 1946 (2), 1947, 1953, 1914 (4), 1951, 1864                             | 819 (2), 1025, 1059, 1060                                 |
| 1449                                | $D_8 : (2 \times 4)$              | 64    | 935550  | 1954, 1898 (2), 1955, 1902 (2), 1865   | 820 (2), 1026, 1044, 1054                                 |
| 1450                                | $Q_8 : D_8$                       | 64    | 1871100 | 1903, 1956, 1957, 1904, 1878, 1882, 1873   | 823 (2), 825 (2), 828 (2), 840, 1045                      |
| 1451                                | $2^5 : 2$                         | 64    | 935550  | 1861 (2), 1912 (2), 1843 (2), 1844 (2), 1879, 1941, 1958, 1881, 1908, 1906, 1872                 | 824 (2), 826 (4), 842, 1019, 1032, 1043                   |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 1452                                | $2^{1+4} : 2$                 | 64    | 935550  | 1889, 1891 (2), 1890 (2), 1885, 1874   | 827 (4), 829 (2), 841, 1011, 1024, 1033                    |
| 1453                                | $D_8 \times 2 : 2 \times 2$   | 64    | 935550  | 1888 (2), 1909 (2), 1842 (2), 1845 (2), 1879, 1931, 1933, 1883, 1959, 1958, 1880 | 832 (2), 1019, 1041, 1058                                  |
| 1454                                | $D_8 \times 2 \cdot 2 : 2$    | 64    | 935550  | 1889, 1887, 1884   | 833 (2), 1011, 1048, 1049                                  |
| 1455                                | $2^{1+4} : 2$                 | 64    | 467775  | 1860, 1960 (2), 1892 (2), 1928, 1961   | 835 (2), 1012 (2), 1021, 1028 (2)                          |
| 1456                                | $2^{1+4} : 2$                 | 64    | 1871100 | 1862, 1962, 1893, 1963, 1894, 1964, 1965   | 836, 837, 1020   |
| 1457                                | $2^{1+4} : 2$                 | 64    | 935550  | 1897, 1965 (2), 1893 (2), 1924, 1966   | 846 (2), 1009, 1015, 1020                                  |
| 1458                                | $2^{1+4} : 2$                 | 64    | 467775  | 1896, 1967 (2), 1892 (2), 1923, 1966   | 847 (2), 1009 (2), 1028, 1029 (2)                          |
| 1459                                | $2^{1+4} : 2$                 | 64    | 935550  | 1897, 1963 (2), 1894 (2), 1924, 1968   | 848 (2), 1010, 1014, 1020                                  |
| 1460                                | $2^{1+4} : 2$                 | 64    | 467775  | 1896, 1969 (2), 1892 (2), 1925, 1968   | 849 (2), 1010 (2), 1028, 1029 (2)                          |
| 1461                                | $2^{1+4} : 2$                 | 64    | 935550  | 1896, 1970, 1892, 1971, 1868, 1972, 1973   | 850, 851, 1021, 1029 (2)                                   |
| 1462                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 467775  | 1860, 1959, 1937, 1908 (2), 1835 (2), 1895, 1853 (2), 1974, 1926, 1911 (2), 1896 | 852 (2), 853 (2), 1016, 1017, 1019, 1021, 1027, 1028, 1030 |
| 1463                                | $D_8 \times 2^2 : 2$          | 64    | 311850  | 1868, 1953 (3), 1952 (3), 1892, 1863 (3), 1945 (3), 1895                         | 854, 855, 1021 (3), 1025, 1029 (3)                         |
| 1464                                | $D_8 \times D_8$              | 64    | 935550  | 1888 (2), 1934, 1936 (2), 1974, 1905 (2), 1843 (2), 1838 (2), 1858 (2), 1897     | 857 (2), 1014, 1015, 1019                                  |
| 1465                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 311850  | 1892 (2), 1947 (3), 1949 (3), 1948 (3), 1951 (3), 1895                           | 858, 859, 1025, 1028 (3), 1029 (3)                         |
| 1466                                | $2^3 \cdot 2 : 2 \times 2$    | 64    | 467775  | 1906 (2), 1975 (2), 1917 (4), 1976, 1918 (2), 1977, 1896 (2), 1895               | 860 (2), 861 (2), 1027, 1029 (2), 1032 (2)                 |

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| Nr.                                 | Structure                         | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 1467                                | $2^3 \times 4 : 2$                | 64    | 311850  | 1907, 1978 (3), 1979 (3), 1919, 1908 (3), 1918 (3), 1895                         | 862, 863, 1027, 1030 (3), 1032 (3)                            |
| 1468                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 935550  | 1879, 1936 (2), 1933, 1846 (2), 1927, 1958, 1853, 1910 (2), 1907, 1840 (2), 1906 | 864, 1019, 1032, 1041   |
| 1469                                | $2^{1+4} : 2$                     | 64    | 467775  | 1937, 1972 (2), 1945 (2), 1928, 1874   | 865, 1021, 1024 (2), 1036 (2)                                 |
| 1470                                | $2^{1+4} \times 2$                | 64    | 155925  | 1874, 1980 (6), 1973 (6), 1961 (3), 1926 (3), 1943 (6), 1863 (6)                 | 866, 1021 (3), 1023, 1031, 1033 (3), 1034, 1035 (3), 1036 (3) |
| 1471                                | $2^{1+4} : 2$                     | 64    | 1871100 | 1899, 1902, 1929, 1829, 1981, 1913, 1982   | 867, 1026   |
| 1472                                | $2^{1+4} : 2$                     | 64    | 1871100 | 1901, 1898, 1930, 1830, 1983, 1913, 1982   | 868, 1026   |
| 1473                                | $2^2 \times 4 : 2 \times 2$       | 64    | 311850  | 1953 (3), 1946 (6), 1949 (3), 1916, 1915 (2)                                     | 869, 1025, 1039, 1040   |
| 1474                                | $2 \times 4 : 2 : 2 \times 2$     | 64    | 935550  | 1931, 1984 (2), 1985 (2), 1978, 1940, 1942, 1911 (2), 1917 (2), 1908, 1916, 1906 | 870, 1027, 1041, 1043   |
| 1475                                | $D_8 \times 2^2 : 2$              | 64    | 935550  | 1883, 1985 (2), 1986 (2), 1940, 1939, 1979, 1835 (2), 1917 (2), 1853, 1918, 1916 | 871, 1027, 1041, 1042   |
| 1476                                | $2^4 \cdot 2 \times 2$            | 64    | 155925  | 1907 (2), 1976 (3), 1940 (6), 1916, 1959 (3)                                     | 872, 1027, 1039 (2), 1041 (6)                                 |
| 1477                                | $D_8 \times 2^3$                  | 64    | 155925  | 1872, 1987 (12), 1942 (3), 1939 (3), 1869 (4), 1919, 1926 (3), 1977 (3), 1916    | 873, 1027, 1031, 1037 (3), 1038 (3), 1040, 1042 (3), 1043 (3) |
| 1478                                | $2 \times 4 \cdot 2 \times 2 : 2$ | 64    | 935550  | 1907, 1988, 1918, 1989, 1908, 1990, 1933   | 874, 1030, 1032, 1041   |
| 1479                                | $2^4 \cdot 2 \cdot 2$             | 64    | 467775  | 1908 (2), 1865, 1919, 1989 (2), 1932   | 875, 1030 (2), 1043, 1044 (2)                                 |

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| Nr.                                 | Structure                         | Order | Length | Maximal Subgroups  | Minimal Overgroups                       |
| 1480                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 935550 | 1853, 1990, 1938, 1918, 1881, 1989, 1919   | 876, 1030, 1032, 1042                    |
| 1481                                | $D_8 : 2^3$                       | 64    | 311850 | 1919, 1991 (6), 1992 (6), 1915 (2), 1869 (2), 1993 (3), 1955 (3), 1873, 1943 (3), 1994 (3), 1857 | 877, 1031, 1044 (3), 1045 (3)            |
| 1482                                | $2^2 \times 4 \cdot 2 : 2$        | 64    | 935550 | 1907, 1866, 1990, 1918, 1958, 1995, 1906   | 878, 1032 (2), 1041                      |
| 1483                                | $2 \times 4 \cdot 2 \times 2 : 2$ | 64    | 467775 | 1906 (2), 1996 (4), 1988, 1995 (2), 1903 (4), 1919, 1941   | 879, 1032 (2), 1043, 1045 (2)            |
| 1484                                | $2^5 \cdot 2$                     | 64    | 467775 | 1927, 1995 (2), 1938, 1872, 1918 (2)   | 880, 1032 (2), 1037 (2), 1042            |
| 1485                                | $8 : 2 \times 2 : 2$              | 64    | 935550 | 1919, 1997 (2), 1944, 1904 (2), 1954   | 881, 1038, 1044, 1045                    |
| 1486                                | $D_8 \times 2 \cdot 2 : 2$        | 64    | 935550 | 1934, 1923, 1924   | 1009, 1014, 1046                         |
| 1487                                | $2^{1+4} : 2$                     | 64    | 935550 | 1934, 1826 (2), 1822 (2), 1922, 1966   | 1009, 1015, 1047                         |
| 1488                                | $D_8 \times 2 \cdot 2 : 2$        | 64    | 935550 | 1934, 1925, 1924   | 1010, 1015, 1046                         |
| 1489                                | $2^{1+4} : 2$                     | 64    | 935550 | 1934, 1827 (2), 1823 (2), 1922, 1968   | 1010, 1014, 1047                         |
| 1490                                | $2 \times 4 : 2 : 2 : 2$          | 64    | 935550 | 1889, 1884, 1928   | 1012, 1024, 1049                         |
| 1491                                | $2^{1+4} : 2$                     | 64    | 935550 | 1834 (2), 1998 (2), 1849, 1961, 1884   | 1012, 1023, 1048                         |
| 1492                                | $2^{1+4} : 2$                     | 64    | 935550 | 1889, 1831 (2), 1961, 1999 (2), 1885   | 1012, 1033, 1048                         |
| 1493                                | $2^4 \cdot 2 : 2$                 | 64    | 467775 | 1928 (2), 1949 (2), 1926, 1923, 1925   | 1013, 1028, 1036, 1040, 1046, 1056, 1057 |
| 1494                                | $D_8 \times 2^2 \cdot 2$          | 64    | 467775 | 1926, 1944 (2), 1825 (2), 1922 (2)   | 1013, 1016, 1035, 1038, 1047, 1050, 1053 |
| 1495                                | $8 : 2 : 2 : 2$                   | 64    | 935550 | 1974, 1924, 1922   | 1014, 1015, 1016                         |
| 1496                                | $2^{1+4} : 2$                     | 64    | 467775 | 1974, 1960 (2), 1948 (2), 1968, 1923   | 1014 (2), 1028, 1059 (2)                 |
| 1497                                | $2^{1+4} : 2$                     | 64    | 467775 | 1974, 1960 (2), 1947 (2), 1925, 1966   | 1015 (2), 1028, 1059 (2)                 |
| 1498                                | $D_8 \times 2^2 \cdot 2$          | 64    | 467775 | 1938 (2), 1964 (2), 1926, 1924 (2)   | 1016, 1020, 1034, 1037, 1046, 1051, 1052 |

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| Nr.                                 | Structure                     | Order | Length | Maximal Subgroups   | Minimal Overgroups                             |
| 1499                                | $2^3 \cdot 2 \times 2 : 2$    | 64    | 467775 | 1884 (2), 1927 (2),<br>1926, 1998 (2)   | 1017, 1023, 1037,<br>1049, 1053, 1055,<br>1056 |
| 1500                                | $8 : 2 \times 2 : 2$          | 64    | 467775 | 1885 (2), 1954 (2),<br>1926, 2000 (2)   | 1017, 1018, 1033,<br>1038, 1052, 1054,<br>1057 |
| 1501                                | $D_8 \times 2 \cdot 2 : 2$    | 64    | 935550 | 1937, 1885, 1884  | 1017, 1024, 1048                               |
| 1502                                | $2^3 \cdot 2 \times 2 : 2$    | 64    | 467775 | 1887, 1953 (2), 1928,<br>1926, 1971 (2)   | 1018, 1021, 1040,<br>1049, 1050, 1051,<br>1060 |
| 1503                                | $D_8 \times 2^2 : 2$          | 64    | 467775 | 1879 (2), 1934 (2),<br>1931 (2), 1889 (2),<br>1926, 1935 (2), 1941,<br>1839 (2), 1932   | 1019, 1033, 1043,<br>1046, 1047, 1049,<br>1058 |
| 1504                                | $D_8 \times 2^2 \cdot 2$      | 64    | 935550 | 1927, 1963 (2), 1938,<br>1939, 1965 (2)   | 1020, 1037, 1055                               |
| 1505                                | $2^{1+4} \times 2$            | 64    | 467775 | 1961 (2), 2001 (4),<br>1955 (2), 1992 (4),<br>1824 (2), 2002 (4),<br>1951 (2), 1851 (4),<br>1926, 1962 (2), 1939<br>(2), 1968, 1966 | 1020, 1028, 1031,<br>1047, 1054, 1055,<br>1060 |
| 1506                                | $2^{1+4} : 2$                 | 64    | 935550 | 1974, 1945, 1971,<br>1886, 1973, 1952,<br>1960  | 1021, 1059 (2)                                 |
| 1507                                | $2^{1+4} : 2$                 | 64    | 467775 | 1937, 1952 (2), 1887,<br>1970 (2), 1961   | 1021, 1048 (2), 1060<br>(2)                    |
| 1508                                | $2 \times 4 : 2 : 2 \times 2$ | 64    | 935550 | 1886, 1972, 1960,<br>1970, 1959, 1863,<br>1953  | 1021, 1039, 1059                               |
| 1509                                | $2 \times 4 : 2 \times 2 : 2$ | 64    | 467775 | 1881 (2), 1978 (2),<br>1926, 1988, 1865   | 1022, 1030, 1035,<br>1043, 1051, 1054,<br>1056 |
| 1510                                | $2 \times 4 : 2 \times 2 : 2$ | 64    | 935550 | 1881, 1976, 1883,<br>1988, 1927, 1866,<br>1978  | 1022, 1032, 1041                               |
| 1511                                | $D_8 \times 2^2 : 2$          | 64    | 467775 | 1883 (2), 1984 (2),<br>1986 (2), 1978 (2),<br>1937 (2), 1975 (2),<br>1926, 1976, 1864   | 1022, 1027, 1036,<br>1052, 1053, 1058,<br>1060 |

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|-------------------------------------|----------------------------|-------|--------|--|--------------------------|
| Nr.                                 | Structure                  | Order | Length | Maximal Subgroups  | Minimal Overgroups       |
| 1512                                | $D_8 : 2^3$                | 64    | 935550 | 1891 (2), 1878 (2), 1999 (2), 1832 (2), 1941, 1828 (2), 1954, 1982 (2), 1943   | 1026, 1033, 1045         |
| 1513                                | $D_8 \times 2^2 \cdot 2$   | 64    | 935550 | 1954, 1930 (2), 1944, 1942, 1929 (2)   | 1026, 1038, 1061         |
| 1514                                | $D_8 : 2^3$                | 64    | 935550 | 1941, 1957 (2), 1921 (2), 1826 (2), 1827 (2), 1829 (2), 1830 (2), 1955, 1944   | 1026, 1045, 1047         |
| 1515                                | $2^{1+4} \times 2$         | 64    | 935550 | 1980 (2), 1950 (2), 2002 (2), 1991 (2), 2001 (2), 1993 (2), 1962 (2), 1870 (2), 1943, 2003 (4), 1851 (2), 1876, 1955, 1983, 1987 (2), 1942, 1877, 1981         | 1026, 1031, 1061         |
| 1516                                | $2^5 : 2$                  | 64    | 467775 | 1931 (2), 1864, 1979 (2), 1975 (2), 1985 (4), 1977, 1974 (2), 1959   | 1027, 1058 (2), 1059 (2) |
| 1517                                | $2^3 \cdot 2 : 2 \times 2$ | 64    | 935550 | 1959, 1967, 1960 (2), 1949, 1969, 1951   | 1028, 1039, 1059         |
| 1518                                | $2^{1+4} : 2$              | 64    | 935550 | 1937, 1969, 1961, 1947, 1928, 1967, 1948   | 1028, 1036, 1060         |
| 1519                                | $2^4 \cdot 2 : 2$          | 64    | 935550 | 1976, 1967, 1969, 1951, 1970 (2), 1953   | 1029, 1039, 1060         |
| 1520                                | $D_8 \times 2^2 \cdot 2$   | 64    | 935550 | 1977, 1923, 1925, 1949, 1971 (2), 1953   | 1029, 1040, 1059         |
| 1521                                | $2^{1+4} : 2$              | 64    | 935550 | 1975, 1969, 1966, 1948, 1971, 1970, 1952   | 1029, 1059, 1060         |
| 1522                                | $2^{1+4} : 2$              | 64    | 935550 | 1975, 1967, 1947, 1968, 1952, 1970, 1971   | 1029, 1059, 1060         |
| 1523                                | $D_8 \times 2^2 \cdot 2$   | 64    | 935550 | 1976, 1969, 1949, 1967, 1863, 1972 (2)   | 1029, 1036, 1039         |
| 1524                                | $2^{1+4} \times 2$         | 64    | 935550 | 1987 (2), 1870 (2), 2002 (2), 1983 (2), 1992 (2), 1994 (2), 2001 (2), 1981 (2), 1977, 1871 (2), 1966, 1875 (2), 1951, 1968, 1863, 1991 (2), 1973 (2), 2003 (2) | 1029, 1031, 1059         |

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| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups                              | Minimal Overgroups                             |
| 1525                                | $2^{1+4} : 2$                 | 64    | 935550  | 1975, 1923, 1947,<br>1969, 1945, 1973,<br>1972 | 1029, 1036, 1059                               |
| 1526                                | $2^{1+4} : 2$                 | 64    | 935550  | 1975, 1967, 1948,<br>1925, 1945, 1972,<br>1973 | 1029, 1036, 1059                               |
| 1527                                | $2^2 \times 4 \cdot 2 : 2$    | 64    | 935550  | 1933, 1978, 1989,<br>1979, 1959, 1990,<br>1932 | 1030, 1041, 1058                               |
| 1528                                | $2^2 \times 4 \cdot 2 : 2$    | 64    | 467775  | 1880, 1989 (2), 1938,<br>1926, 1979 (2)        | 1030, 1034, 1042,<br>1050, 1055, 1057,<br>1058 |
| 1529                                | $D_8 \times 2^2 : 2$          | 64    | 935550  | 1958, 1978, 1977,<br>1989, 1941, 1995,<br>1931 | 1032, 1043, 1058                               |
| 1530                                | $2^4 \cdot 2 : 2$             | 64    | 935550  | 1933, 1976, 1979,<br>1990, 1958, 1995,<br>1931 | 1032, 1041, 1058                               |
| 1531                                | $D_8 \times 2^2 : 2$          | 64    | 935550  | 1879, 1995, 1938,<br>1990, 1883, 1977,<br>1979 | 1032, 1042, 1058                               |
| 1532                                | $2^{1+4} : 2$                 | 64    | 1871100 | 1935, 1831, 1980,<br>1891, 2000, 1890,<br>1999 | 1033   |
| 1533                                | $D_8 : (2 \times 4)$          | 64    | 935550  | 1890 (2), 1954, 1831<br>(2), 1943, 1932        | 1033, 1044, 1061                               |
| 1534                                | $D_8 : (2 \times 4)$          | 64    | 935550  | 1988, 1833 (2), 1944,<br>1943, 1882 (2)        | 1035, 1045, 1061                               |
| 1535                                | $2^2 \times 4 \cdot 2 : 2$    | 64    | 467775  | 1932, 1988, 1940 (2),<br>1958 (2), 1942        | 1041 (2), 1043, 1061<br>(2)                    |
| 1536                                | $2^4 \cdot 2 : 2$             | 64    | 467775  | 1880, 1940 (2), 1939,<br>1990 (2), 1927        | 1041 (2), 1042, 1055<br>(2)                    |
| 1537                                | $2 \times 4 : 2 \times 2 : 2$ | 64    | 935550  | 1881, 1942, 1939,<br>1995, 1879, 1989,<br>1940 | 1041, 1042, 1043                               |
| 1538                                | $Q_8 : (2 \times 4)$          | 64    | 935550  | 1932, 1822 (2), 1944,<br>1823 (2), 1955        | 1044, 1047, 1061                               |
| 1539                                | $Q_8 : D_8$                   | 64    | 1871100 | 1996, 1956, 1957,<br>1997, 1832, 1833,<br>1994 | 1045   |
| 1540                                | $D_8 : (2 \times 4)$          | 64    | 935550  | 1988, 1956 (2), 1955,<br>1920 (2), 1954        | 1045, 1054, 1061                               |

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|-------------------------------------|---------------------|-------|---------|--|---|
| Nr.                                 | Structure           | Order | Length  | Maximal Subgroups                        | Minimal Overgroups  |
| 1541                                | $D_8 : D_8$         | 64    | 1871100 | 1996, 1920, 1921, 1997, 1878, 1882, 1993 | 1045  |
| 1542                                | $8 : 2 : 2 : 2$     | 64    | 1871100 | 1984, 1964, 2000                         | 1052  |
| 1543                                | $8 : 2 : 2 : 2$     | 64    | 1871100 | 1986, 1998, 1825                         | 1053  |
| 1544                                | $7 : 3 \times 3$    | 63    | 950400  | 2149 (2), 2148, 2147, 2413 (7)           | 478 (2), 479 (4), 480 (2), 704 (2), 1062, 1063, 1064                                  |
| 1545                                | $A_5$               | 60    | 997920  | 2378 (5), 2406 (6), 2494 (10)            | 119, 306, 579, 582, 1068, 1069, 1074  |
| 1546                                | $A_5$               | 60    | 1995840 | 2379 (5), 2406 (6), 2495 (10)            | 120, 394 (2), 581, 1065   |
| 1547                                | $A_5$               | 60    | 1995840 | 2379 (5), 2406 (6), 2495 (10)            | 120, 395 (2), 580, 1066   |
| 1548                                | $A_5$               | 60    | 997920  | 2380 (5), 2406 (6), 2496 (10)            | 121, 582, 1070, 1073, 1076  |
| 1549                                | $A_5$               | 60    | 997920  | 2380 (5), 2406 (6), 2496 (10)            | 121, 579, 1071, 1072, 1075  |
| 1550                                | $A_5$               | 60    | 1995840 | 2359 (5), 2407 (6), 2497 (10)            | 393 (4), 1078   |
| 1551                                | $A_5$               | 60    | 1995840 | 2379 (5), 2406 (6), 2498 (10)            | 394 (2), 395 (2), 601, 1067   |
| 1552                                | $10 \times S_3$     | 60    | 498960  | 2005 (2), 2010, 2159 (3), 2363           | 424 (2), 1081, 1101, 1106   |
| 1553                                | $D_{10} \times S_3$ | 60    | 1995840 | 2006, 2004, 2009, 2157 (3), 2362 (5)     | 425, 589, 590, 711, 716 (2), 887, 1084  |
| 1554                                | $D_{10} \times S_3$ | 60    | 997920  | 2007, 2005, 2008, 2157 (3), 2366 (5)     | 426, 587, 588 (2), 712 (2), 887 (2), 1081, 1082, 1083                                 |
| 1555                                | $D_{10} \times S_3$ | 60    | 997920  | 2011, 2005, 2008, 2160 (3), 2364 (5)     | 427, 1081   |
| 1556                                | $15 : 2 \cdot 2$    | 60    | 1995840 | 2006, 2155, 2374 (5)                     | 533 (2), 591, 599, 728, 888, 1084   |
| 1557                                | $A_5$               | 60    | 792     | 2377 (5), 2409 (6), 2499 (10)            | 534 (120), 592 (7), 631 (126), 883 (140), 886 (35), 1077 (21), 1086 (105), 1090 (105) |
| 1558                                | $D_{10} \cdot S_3$  | 60    | 166320  | 2007, 2156 (3), 2381 (5)                 | 583, 593 (4), 717 (4), 884 (4), 1083 (6), 1087 (3)                                    |

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|-------------------------------------|--------------------|-------|---------|--------------------------------------|--|
| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups                    | Minimal Overgroups   |
| 1559                                | $15 : 2 \cdot 2$   | 60    | 997920  | 2007, 2156, 2369 (5)                 | 585, 595 (2), 722 (2), 884 (2), 1082, 1083, 1089                   |
| 1560                                | $A_5$              | 60    | 5544    | 2382 (5), 2409 (6), 2500 (10)        | 592, 630 (36), 885 (20), 889 (20), 1088 (15), 1091 (45), 1094 (15) |
| 1561                                | $D_{10} \cdot S_3$ | 60    | 665280  | 2006, 2155 (3), 2383 (5)             | 597, 598, 727 (3), 888, 1084 (3)                                   |
| 1562                                | $15 : 2 \times 2$  | 60    | 498960  | 2007, 2010, 2011, 2157, 2384 (5)     | 602, 1081, 1087, 1089, 1095, 1097, 1098, 1099                      |
| 1563                                | $D_{10} \cdot S_3$ | 60    | 498960  | 2007, 2155 (3), 2368 (5)             | 603, 1082 (2), 1087, 1097 (2)                                      |
| 1564                                | $2 \times 10 : 3$  | 60    | 498960  | 2159, 2349 (4), 2382                 | 630 (2), 1080, 1093, 1104  |
| 1565                                | $2 \times 10 : 3$  | 60    | 166320  | 2161, 2350 (4), 2377                 | 631 (3), 890, 1079 (3), 1092, 1100 (3)                             |
| 1566                                | $2 \times 10 : 3$  | 60    | 332640  | 2161, 2349 (4), 2385                 | 890, 1085 (3), 1096, 1102 (3)                                      |
| 1567                                | $2 \times 30$      | 60    | 166320  | 2010 (3), 2161, 2386                 | 890, 1095, 1101 (3), 1103 (3)                                      |
| 1568                                | $D_{60}$           | 60    | 498960  | 2008 (2), 2010, 2160 (3), 2387 (5)   | 1081, 1103, 1105   |
| 1569                                | $15 : 2 \times 2$  | 60    | 498960  | 2011 (2), 2010, 2162, 2388 (5)       | 1095, 1105, 1106   |
| 1570                                | $10 \cdot S_3$     | 60    | 498960  | 2010, 2153 (3), 2381                 | 1098, 1101, 1105   |
| 1571                                | $Q_{60}$           | 60    | 498960  | 2010, 2154 (3), 2368 (5)             | 1098, 1103, 1106   |
| 1572                                | $15 : 2 \cdot 2$   | 60    | 997920  | 2011, 2158, 2372 (5)                 | 1099   |
| 1573                                | $2^3 : 7$          | 56    | 118800  | 2447, 2493 (8)                       | 481 (4), 894, 895 (4), 896 (4), 897 (4), 1107 (3)                  |
| 1574                                | $D_{28} : 2$       | 56    | 1425600 | 2013, 2012, 2014, 2448 (7)           | 892, 899   |
| 1575                                | $11 : 5$           | 55    | 4354560 | 2405, 2511 (11)                      | 393, 394, 395  |
| 1576                                | $3^{1+2} : 2$      | 54    | 1478400 | 2016, 2168 (3), 2167 (9)             | 123, 900, 910  |
| 1577                                | $3^{1+2} : 2$      | 54    | 1478400 | 2020, 2163, 2189 (3)                 | 201, 901, 903  |
| 1578                                | $3^2 \cdot S_3$    | 54    | 1478400 | 2028, 2163, 2179 (3)                 | 202, 901   |
| 1579                                | $3^{1+2} : 2$      | 54    | 1478400 | 2027, 2163, 2194 (3)                 | 203, 901   |
| 1580                                | $3^{1+2} : 2$      | 54    | 1478400 | 2026, 2163, 2195 (3)                 | 204, 901   |
| 1581                                | $3^2 \times S_3$   | 54    | 1108800 | 2017, 2168 (2), 2169, 2182, 2175 (3) | 320 (2), 741, 900 (4), 906 (2), 907, 1108, 1115, 1130              |

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|-------------------------------------|------------------|-------|---------|--|---|
| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 1582                                | $3^2 \times S_3$ | 54    | 554400  | 2017, 2172 (2), 2170 (2), 2176 (3)                       | 474, 743, 754 (2), 911, 1110 (2), 1114, 1115 (2)                                |
| 1583                                | $3^2 \times S_3$ | 54    | 554400  | 2018, 2173 (2), 2171 (2), 2176 (3)                       | 475, 742, 911, 1112 (2), 1113, 1116 (2)   |
| 1584                                | $3^{1+2} : 2$    | 54    | 739200  | 2019, 2196, 2189 (3)                                     | 738, 902, 903, 1120 (3)   |
| 1585                                | $3^2 : S_3$      | 54    | 184800  | 2017, 2177, 2172 (6), 2171 (6)                           | 739 (6), 759 (3), 911, 1108 (3), 1109 (3), 1110 (3), 1111, 1114 (3), 1123, 1125 |
| 1586                                | $3^{1+2} : 2$    | 54    | 2217600 | 2023, 2197, 2198 (3)                                     | 755, 909, 1122  |
| 1587                                | $3^{1+2} : 2$    | 54    | 2217600 | 2024, 2199, 2198 (3)                                     | 756, 909, 1121  |
| 1588                                | $3^2 : S_3$      | 54    | 369600  | 2018, 2183, 2179 (6), 2200 (3), 2182 (3)                 | 757 (3), 907, 1112 (3), 1124, 1127 (3)  |
| 1589                                | $3^2 : S_3$      | 54    | 184800  | 2018, 2177, 2173 (6), 2170 (6)                           | 758 (3), 911, 1113 (3), 1117, 1124, 1126, 1128 (3), 1129 (3), 1132 (3)          |
| 1590                                | $3^2 : S_3$      | 54    | 369600  | 2017, 2183, 2174 (3), 2189 (6), 2169 (3)                 | 760 (3), 903 (2), 907, 1115 (3), 1125, 1130 (3)                                 |
| 1591                                | $3^2 : S_3$      | 54    | 369600  | 2018, 2184, 2185 (3), 2164 (3), 2190 (6)                 | 761 (3), 912, 1116 (3), 1126, 1131 (3)  |
| 1592                                | $3^{1+2} : 2$    | 54    | 739200  | 2023, 2196, 2195 (3)                                     | 766, 902, 1122 (3)  |
| 1593                                | $3^{1+2} : 2$    | 54    | 739200  | 2024, 2196, 2194 (3)                                     | 767, 902, 1121 (3)  |
| 1594                                | $3^2 : S_3$      | 54    | 184800  | 2017, 2178 (9), 2191 (12), 2186 (18)                     | 769 (3), 905 (4), 908, 1114 (3), 1130 (6)                                       |
| 1595                                | $3^2 \times S_3$ | 54    | 1108800 | 2018, 2174, 2200, 2180 (2), 2175 (3)                     | 770, 907, 1112, 1127, 1128  |
| 1596                                | $3^2 : S_3$      | 54    | 554400  | 2018, 2187 (6), 2178 (3), 2181 (12), 2192 (12), 2186 (6) | 771, 908, 1113, 1127 (2), 1131 (2)  |
| 1597                                | $3^2 \times S_3$ | 54    | 1108800 | 2018, 2185, 2164, 2193 (2), 2188 (3)                     | 772, 912, 1116, 1131, 1132  |
| 1598                                | $3^2 \times S_3$ | 54    | 2217600 | 2022, 2195, 2189, 2194, 2179, 2175 (3)                   | 901 (2), 902, 907, 1134   |
| 1599                                | $3^2 : S_3$      | 54    | 184800  | 2025, 2196, 2179 (12)                                    | 902 (4), 1133 (6), 1138 (3)   |
| 1600                                | $3^2 : S_3$      | 54    | 369600  | 2021, 2191 (12), 2192 (18), 2187 (9)                     | 904 (4), 908, 1137 (3)  |
| 1601                                | $3^{1+2} : 2$    | 54    | 2217600 | 2019, 2191, 2198 (3)                                     | 904 (2), 905, 909, 1120   |

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|-------------------------------------|------------------|-------|---------|---|---|
| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups   | Minimal Overgroups                      |
| 1602                                | $3^{1+2} : 2$    | 54    | 739200  | 2019, 2168 (3), 2198 (9)  | 906, 910, 1120 (3)                      |
| 1603                                | $3^2 : S_3$      | 54    | 739200  | 2022, 2183, 2194 (3), 2168 (3), 2180 (3), 2195 (3)                | 907, 910, 1134 (3)                      |
| 1604                                | $3^2 : S_3$      | 54    | 739200  | 2022, 2186 (9), 2192 (18), 2199 (3), 2181 (3), 2197 (3), 2191 (3) | 908, 909, 1134 (3)                      |
| 1605                                | $3^2 : S_3$      | 54    | 2217600 | 2025, 2181, 2167 (6), 2198 (3), 2180 (3)                          | 909, 910, 1133                          |
| 1606                                | $3^{1+2} : 2$    | 54    | 2217600 | 2024, 2194 (3), 2167 (6), 2198 (3)                                | 910, 1121                               |
| 1607                                | $3^{1+2} : 2$    | 54    | 2217600 | 2023, 2195 (3), 2167 (6), 2198 (3)                                | 910, 1122                               |
| 1608                                | $3^2 : S_3$      | 54    | 369600  | 2021, 2184, 2193 (6), 2165 (3), 2166 (3)                          | 912, 1135, 1136 (3), 1137 (3)           |
| 1609                                | $3^2 \times S_3$ | 54    | 1108800 | 2021, 2190 (2), 2165, 2166, 2188 (3)                              | 912, 1136 (2), 1137                     |
| 1610                                | $5^2 : 2$        | 50    | 598752  | 2029, 2409, 2410 (5)  | 630 (2), 631, 1140, 1141, 1142          |
| 1611                                | $5^2 : 2$        | 50    | 299376  | 2029, 2411 (10), 2406 (20)  | 1141, 1143 (2), 1144 (2), 1145, 1146    |
| 1612                                | $5^2 : 2$        | 50    | 1197504 | 2029, 2407, 2408 (5)  | 1144                                    |
| 1613                                | $Q_8 : S_3$      | 48    | 4989600 | 2070, 2206 (3), 2354 (4)  | 73, 505, 786, 827, 828, 965             |
| 1614                                | $Q_8 : S_3$      | 48    | 4989600 | 2071, 2206 (3), 2354 (4)  | 74, 504, 784, 825, 827, 965             |
| 1615                                | $Q_8 : S_3$      | 48    | 4989600 | 2065, 2208 (3), 2354 (4)  | 75, 503, 784, 787, 828                  |
| 1616                                | $Q_8 : S_3$      | 48    | 4989600 | 2064, 2207 (3), 2354 (4)  | 76, 506, 786, 787, 825                  |
| 1617                                | $D_8 \times S_3$ | 48    | 2494800 | 2030, 2140, 2106, 2134, 2067, 2074, 2031, 2242 (3)                | 238 (2), 856, 925, 994 (2), 995, 1165   |
| 1618                                | $2^3 : S_3$      | 48    | 4989600 | 2036, 2035, 2032, 2220 (3), 2354 (4)                              | 241, 787, 826, 827, 926, 980            |
| 1619                                | $D_8 : S_3$      | 48    | 2494800 | 2073, 2125, 2072, 2212 (3)  | 299 (2), 788, 1231                      |
| 1620                                | $2^3 : S_3$      | 48    | 2494800 | 2037, 2084, 2083, 2243 (3), 2361 (4)                              | 347, 349, 816, 846, 868, 1149           |
| 1621                                | $2^3 : S_3$      | 48    | 1247400 | 2081, 2038, 2082, 2243 (3), 2360 (4)                              | 347 (2), 349 (2), 847, 1148, 1203, 1204 |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                      | Minimal Overgroups   |
| 1622                                | $2^3 : S_3$             | 48    | 2494800 | 2037, 2116, 2088, 2244 (3), 2361 (4)                   | 351, 353, 803, 815, 816, 1149  |
| 1623                                | $2^3 : S_3$             | 48    | 1247400 | 2132, 2087, 2038, 2244 (3), 2362 (4)                   | 351 (2), 353 (2), 852, 1148, 1190, 1200  |
| 1624                                | $2^3 : S_3$             | 48    | 4989600 | 2039, 2121, 2042, 2245 (3), 2354 (4)                   | 352, 354, 381, 784, 786, 826   |
| 1625                                | $2^3 : S_3$             | 48    | 1247400 | 2082, 2038, 2081, 2246 (3), 2360 (4)                   | 355 (2), 357 (2), 849, 1148, 1203, 1204  |
| 1626                                | $2^3 : S_3$             | 48    | 2494800 | 2037, 2086, 2085, 2246 (3), 2361 (4)                   | 355, 357, 816, 848, 867, 1149  |
| 1627                                | $2^3 : S_3$             | 48    | 207900  | 2041, 2131, 2091, 2247 (3), 2365 (4)                   | 362, 807, 932 (4), 933 (4), 1150 (6), 1152 (3)   |
| 1628                                | $2^3 : S_3$             | 48    | 103950  | 2093, 2040 (2), 2247 (3), 2363 (4)                     | 362 (2), 709 (4), 923 (8), 934 (4), 1151 (6), 1153 (3), 1167 (3), 1168 (6), 1184           |
| 1629                                | $2^3 : S_3$             | 48    | 623700  | 2103, 2041, 2094, 2239 (3), 2362 (4)                   | 370, 606 (4), 711 (4), 935 (4), 938 (4), 1150, 1152, 1154, 1156, 1159, 1161, 1163          |
| 1630                                | $2^3 : S_3$             | 48    | 623700  | 2080, 2040, 2093, 2239 (3), 2366 (4)                   | 370, 710 (2), 712 (4), 924 (2), 936 (4), 937 (4), 1151, 1153, 1155, 1157, 1158, 1160, 1162 |
| 1631                                | $2^3 : S_3$             | 48    | 207900  | 2040, 2080, 2145, 2248 (3), 2364 (4)                   | 377, 940 (4), 942 (4), 1153 (3), 1160 (6)  |
| 1632                                | $2^3 : S_3$             | 48    | 207900  | 2041, 2146, 2095, 2248 (3), 2367 (4)                   | 377, 939 (4), 941 (4), 1152 (3), 1161 (6)  |
| 1633                                | $2^3 \times S_3$        | 48    | 207900  | 2045 (4), 2046 (6), 2056 (4), 2130, 2241 (3)           | 485 (4), 790, 943 (4), 957 (4), 1164 (6), 1228 (3)   |
| 1634                                | $2^3 \times S_3$        | 48    | 415800  | 2046 (3), 2055 (6), 2136 (3), 2052 (2), 2096, 2249 (3) | 486 (2), 792, 944 (2), 948, 1164 (3), 1201, 1215 (3)                                       |
| 1635                                | $2 \times 4 \times S_3$ | 48    | 1247400 | 2092, 2090, 2047 (2), 2046, 2053 (2), 2236 (3)         | 487 (2), 713 (2), 794, 945 (2), 1164, 1180, 1227   |
| 1636                                | $D_8 \times S_3$        | 48    | 2494800 | 2068, 2045, 2059, 2061, 2060, 2055, 2047, 2220 (3)     | 490, 517 (2), 796, 926 (2), 964, 966, 985, 1164  |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 1637                                | $D_8 \times S_3$        | 48    | 2494800 | 2044, 2048, 2063, 2049, 2062, 2067, 2066, 2225 (3)                 | 491, 519 (2), 795, 967, 1165   |
| 1638                                | $2^3 \times S_3$        | 48    | 831600  | 2049 (3), 2050 (3), 2030 (3), 2118, 2057, 2122 (3), 2109, 2250 (3) | 493, 789, 958, 998, 1165 (3)   |
| 1639                                | $2^3 \times S_3$        | 48    | 831600  | 2050 (3), 2044 (3), 2120 (3), 2107, 2051, 2119 (3), 2106, 2251 (3) | 494, 791, 817 (2), 928, 954, 1165 (3)  |
| 1640                                | $2 \times 4 \times S_3$ | 48    | 2494800 | 2050, 2054, 2123, 2048, 2031, 2110, 2124, 2252 (3)                 | 495, 793, 1003, 1165   |
| 1641                                | $D_8 \times S_3$        | 48    | 831600  | 2053, 2052, 2115, 2045, 2060, 2113, 2100, 2247 (3)                 | 496, 798 (3), 923, 932, 959, 977 (3), 1164 (3)                               |
| 1642                                | $D_8 \times S_3$        | 48    | 2494800 | 2049, 2054, 2074, 2051, 2137, 2111, 2105, 2253 (3)                 | 497, 797, 953, 991, 1165   |
| 1643                                | $D_8 \times S_3$        | 48    | 2494800 | 2135, 2057, 2051, 2112, 2048, 2134, 2138, 2239 (3)                 | 498, 799, 937, 938, 988, 1165  |
| 1644                                | $D_8 \times S_3$        | 48    | 2494800 | 2113, 2068, 2139, 2056, 2052, 2102, 2047, 2239 (3)                 | 499, 800, 935, 936, 950 (2), 960, 988, 1164                                  |
| 1645                                | $D_8 \times S_3$        | 48    | 2494800 | 2114, 2128, 2140, 2057, 2054, 2141, 2044, 2229 (3)                 | 500, 802, 956, 992, 1165   |
| 1646                                | $D_8 \times S_3$        | 48    | 2494800 | 2139, 2061, 2056, 2053, 2115, 2055, 2104, 2254 (3)                 | 501, 801, 955, 963, 990, 1164  |
| 1647                                | $Q_8 : S_3$             | 48    | 2494800 | 2058, 2206 (3), 2355 (4)   | 502 (2), 841, 965 (2), 1217  |
| 1648                                | $2^3 \cdot S_3$         | 48    | 311850  | 2093, 2218 (3), 2368 (4)   | 511 (4), 1155 (2), 1167, 1174 (2), 1254, 1270, 1281 (2), 1282 (2)            |
| 1649                                | $A_4 \times 2 \cdot 2$  | 48    | 623700  | 2093, 2223, 2369 (4)   | 520 (2), 714 (2), 722 (4), 970 (2), 1155, 1158, 1168, 1169, 1187, 1269, 1273 |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                    | Minimal Overgroups  |
| 1650                                | $A_4 \times 2 \cdot 2$  | 48    | 623700  | 2094, 2226, 2370 (4)                 | 521 (2), 715 (2), 1154, 1170, 1171, 1183, 1186, 1219, 1272              |
| 1651                                | $Q_8 : S_3$             | 48    | 2494800 | 2073, 2069, 2072, 2206 (3)           | 526 (2), 840, 965 (2), 1231   |
| 1652                                | $2^3 \cdot S_3$         | 48    | 623700  | 2094, 2228 (3), 2371 (4)             | 529 (2), 1154, 1172, 1173, 1220, 1256, 1258, 1268                       |
| 1653                                | $2^3 : S_3$             | 48    | 2494800 | 2101, 2075, 2097, 2239 (3), 2362 (4) | 606, 716 (2), 852, 924, 950 (2), 1175                                   |
| 1654                                | $2^3 : S_3$             | 48    | 1247400 | 2132, 2079, 2081, 2255 (3), 2389 (4) | 607 (2), 854, 1176, 1190, 1203  |
| 1655                                | $A_4 \times 2 \times 2$ | 48    | 1247400 | 2132, 2076, 2082, 2235, 2390 (4)     | 608 (2), 855, 866, 1177, 1190, 1204                                     |
| 1656                                | $2^3 : S_3$             | 48    | 2494800 | 2083, 2086, 2088, 2256 (3), 2353 (4) | 706 (2), 783, 819, 836, 1149  |
| 1657                                | $2^3 : S_3$             | 48    | 2494800 | 2085, 2084, 2088, 2257 (3), 2353 (4) | 707 (2), 785, 819, 837, 1149  |
| 1658                                | $2^3 : S_3$             | 48    | 1247400 | 2081, 2087, 2082, 2258 (3), 2367 (4) | 708 (4), 835, 1148 (2), 1190  |
| 1659                                | $2^3 \cdot S_3$         | 48    | 103950  | 2093, 2238 (3), 2381 (4)             | 717 (8), 725 (4), 969 (4), 1158 (6), 1184, 1189 (6), 1270 (3), 1274 (3) |
| 1660                                | $2^3 \cdot S_3$         | 48    | 415800  | 2090 (3), 2098 (3), 2096, 2223 (3)   | 718 (2), 862, 970, 1180 (3), 1201, 1216 (3)                             |
| 1661                                | $2 \times 4 \cdot S_3$  | 48    | 623700  | 2099, 2090 (2), 2237 (3)             | 719 (4), 875, 1180 (2), 1229, 1230 (2)                                  |
| 1662                                | $2^3 : S_3$             | 48    | 623700  | 2091 (2), 2094, 2254 (3), 2391 (4)   | 720 (2), 955 (4), 1150, 1170, 1172, 1181, 1185, 1218, 1271              |
| 1663                                | $2^3 : S_3$             | 48    | 623700  | 2095, 2091, 2094, 2221 (3), 2389 (4) | 721 (2), 1152, 1181, 1182, 1183, 1196, 1266, 1268                       |
| 1664                                | $A_4 \times 2 \times 2$ | 48    | 207900  | 2094 (3), 2249, 2375 (4)             | 723 (2), 972, 1156, 1182, 1185 (3), 1186 (3), 1205, 1242 (3), 1256 (3)  |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups  |
| 1665                                | $A_4 \times 2 \times 2$ | 48    | 34650   | 2093 (3), 2259, 2386 (4)                           | 724 (4), 971, 974 (4), 975 (8), 1157 (6), 1184 (3), 1187 (18), 1252 (3), 1254 (9) |
| 1666                                | $2^3 \cdot S_3$         | 48    | 623700  | 2094, 2240 (3), 2383 (4)                           | 726 (2), 727 (4), 1159, 1166, 1183, 1185, 1188, 1220, 1276                        |
| 1667                                | $A_4 \times 2 \cdot 2$  | 48    | 623700  | 2094, 2236, 2374 (4)                               | 728 (4), 1159, 1219, 1242, 1243, 1268, 1271, 1275                                 |
| 1668                                | $2 \times 12 : 2$       | 48    | 1247400 | 2099, 2096, 2092, 2238                             | 729 (2), 863, 969, 1180, 1202, 1215   |
| 1669                                | $2^3 : S_3$             | 48    | 1247400 | 2100, 2059, 2090, 2046, 2102, 2096, 2104, 2239 (3) | 730 (2), 853, 924, 960 (2), 1164, 1180, 1201                                      |
| 1670                                | $2^3 : S_3$             | 48    | 623700  | 2095 (2), 2094, 2229 (3), 2392 (4)                 | 731 (2), 956 (4), 1161, 1170, 1173, 1182, 1188, 1222, 1275                        |
| 1671                                | $2^3 : S_3$             | 48    | 623700  | 2080 (2), 2093, 2253 (3), 2393 (4)                 | 732 (2), 953 (4), 976 (2), 1157, 1160, 1168, 1174, 1189, 1267, 1273               |
| 1672                                | $A_4 \times 2 \times 2$ | 48    | 207900  | 2093 (3), 2249, 2394 (4)                           | 733 (2), 948 (6), 972, 1151, 1162, 1169 (3), 1174 (3), 1187 (3), 1189 (3), 1249   |
| 1673                                | $A_4 \times 2 \times 2$ | 48    | 207900  | 2094 (3), 2260, 2395 (4)                           | 734 (2), 973, 1163, 1181, 1186 (3), 1188 (3), 1195, 1243 (3), 1258 (3)            |
| 1674                                | $2 \times 4 : S_3$      | 48    | 1247400 | 2099, 2098, 2046, 2240 (3)                         | 735 (2), 876, 1180, 1215, 1228  |
| 1675                                | $2 \times 4 \cdot S_3$  | 48    | 1247400 | 2098, 2090, 2092, 2224 (3)                         | 736 (2), 874, 1180, 1216, 1227  |
| 1676                                | $2^3 : S_3$             | 48    | 4989600 | 2127, 2117, 2033, 2261 (3), 2361 (4)               | 803, 986, 996   |
| 1677                                | $2^3 : S_3$             | 48    | 2494800 | 2120, 2124, 2135, 2118, 2067, 2114, 2105, 2261 (3) | 804, 986, 997, 1165   |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 1678                                | $D_8 \times S_3$        | 48    | 2494800 | 2030, 2141, 2110, 2138, 2105, 2063, 2119, 2262 (3) | 805, 1007, 1165  |
| 1679                                | $2^3 : S_3$             | 48    | 415800  | 2076, 2087, 2079, 2263 (3), 2365 (4)               | 807, 808, 978 (4), 1190 (3)                                |
| 1680                                | $D_8 \times S_3$        | 48    | 831600  | 2109, 2114, 2111, 2112, 2110, 2106, 2062, 2248 (3) | 809 (3), 939, 940, 989, 1165 (3)                           |
| 1681                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 2131 (2), 2094, 2241, 2373 (4)                     | 810 (2), 957 (4), 1150, 1166, 1171, 1173, 1195, 1196, 1242 |
| 1682                                | $A_4 \times 2 \times 2$ | 48    | 2494800 | 2086, 2116, 2084, 2264, 2396 (4)                   | 811, 812, 813 (2), 814, 1149                               |
| 1683                                | $A_4 \times 2 \times 2$ | 48    | 1663200 | 2089 (3), 2265, 2396 (4)                           | 811, 982   |
| 1684                                | $2^3 : S_3$             | 48    | 2494800 | 2083, 2116, 2085, 2266 (3), 2353 (4)               | 818, 819, 820, 1149  |
| 1685                                | $2^3 : S_3$             | 48    | 2494800 | 2122, 2066, 2134, 2111, 2124, 2107, 2141, 2242 (3) | 823 (2), 824, 979, 995, 1165                               |
| 1686                                | $2^3 : S_3$             | 48    | 4989600 | 2108, 2126, 2133, 2242 (3), 2354 (4)               | 825, 826, 828, 979, 994                                    |
| 1687                                | $D_8 \times 6$          | 48    | 2494800 | 2118, 2063, 2112, 2074, 2123, 2107, 2128, 2248     | 831, 941, 942, 989, 1165                                   |
| 1688                                | $2 \times 4 : S_3$      | 48    | 2494800 | 2122, 2062, 2140, 2137, 2120, 2123, 2138, 2262 (3) | 832, 1007, 1165  |
| 1689                                | $D_8 \times 6$          | 48    | 1247400 | 2130, 2061 (2), 2096, 2113 (2), 2092, 2247         | 838, 933 (2), 934, 959 (2), 1164, 1202, 1216               |
| 1690                                | $D_8 \times 6$          | 48    | 1247400 | 2129 (2), 2143, 2142, 2077, 2125 (2), 2263         | 839, 978 (4), 1199, 1214, 1225                             |
| 1691                                | $2^3 : S_3$             | 48    | 1247400 | 2091, 2131, 2103, 2220 (3), 2355 (4)               | 841, 980 (2), 985 (2), 1150, 1196, 1218                    |
| 1692                                | $2^3 : S_3$             | 48    | 1247400 | 2090, 2115 (2), 2068 (2), 2136, 2130, 2220 (3)     | 842, 964 (2), 980 (2), 1164, 1216, 1229                    |
| 1693                                | $2^4 : 3$               | 48    | 831600  | 2267, 2376 (4), 2397 (4), 2358 (12)                | 843, 984, 1178   |
| 1694                                | $2^4 : 3$               | 48    | 277200  | 2259, 2397 (12), 2376 (8)                          | 843, 975 (2), 981, 983, 1198 (3)                           |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups                                  |
| 1695                                | $2^4 : 3$               | 48    | 831600  | 2265, 2397 (12), 2358 (8)                          | 843, 982, 1197 (3)                                  |
| 1696                                | $A_4 \times 2 \times 2$ | 48    | 277200  | 2097 (3), 2259, 2375 (4)                           | 844, 974, 975, 981 (2), 1175 (3)                    |
| 1697                                | $A_4 \times 2 \times 2$ | 48    | 415800  | 2132 (3), 2267, 2375 (4)                           | 844, 984, 1176, 1177, 1200                          |
| 1698                                | $2^3 \times 6$          | 48    | 69300   | 2096 (6), 2143 (9), 2259                           | 845, 974 (2), 983 (2), 1199 (6), 1201 (6), 1202 (9) |
| 1699                                | $2^3 : S_3$             | 48    | 1247400 | 2076, 2038, 2081, 2268 (3), 2398 (4)               | 850, 865, 1190, 1204 (2)                            |
| 1700                                | $2^3 : S_3$             | 48    | 1247400 | 2079, 2038, 2082, 2269 (3), 2399 (4)               | 851, 1190, 1203 (2)                                 |
| 1701                                | $D_8 \times S_3$        | 48    | 2494800 | 2135, 2119, 2066, 2137, 2128, 2109, 2031, 2261 (3) | 857, 987, 996 (2), 997, 1165                        |
| 1702                                | $2^3 : S_3$             | 48    | 1247400 | 2132, 2081 (2), 2270 (3), 2392 (4)                 | 858, 1148, 1176, 1204                               |
| 1703                                | $A_4 \times 2 \times 2$ | 48    | 1247400 | 2132, 2082 (2), 2271, 2400 (4)                     | 859, 1148, 1177, 1203                               |
| 1704                                | $2^3 : S_3$             | 48    | 2494800 | 2097, 2101 (2), 2253 (3), 2401 (4)                 | 860, 976, 1175                                      |
| 1705                                | $2^3 : S_3$             | 48    | 1247400 | 2132, 2038 (2), 2272 (3), 2401 (4)                 | 860, 1200, 1203, 1204                               |
| 1706                                | $2^3 : S_3$             | 48    | 1247400 | 2096, 2102 (2), 2144 (2), 2098, 2136, 2253 (3)     | 861, 976, 1201, 1215, 1216                          |
| 1707                                | $2 \times 4 : S_3$      | 48    | 1247400 | 2136, 2092, 2060 (2), 2046, 2139 (2), 2254 (3)     | 864, 963 (2), 1164, 1215, 1227                      |
| 1708                                | $2^3 : S_3$             | 48    | 623700  | 2103, 2131, 2095, 2216 (3), 2398 (4)               | 865, 1152, 1196 (2), 1222 (2)                       |
| 1709                                | $Q_8 : 6$               | 48    | 1247400 | 2058, 2273, 2390 (4)                               | 866, 1206, 1217, 1221                               |
| 1710                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 2146, 2131, 2094, 2274, 2390 (4)                   | 866, 1152, 1195, 1205, 1218, 1219, 1220, 1222       |
| 1711                                | $2 \times 12 : 2$       | 48    | 1247400 | 2142 (2), 2143, 2275                               | 869, 1199, 1225, 1226                               |
| 1712                                | $2^3 : S_3$             | 48    | 1247400 | 2090, 2104 (2), 2144 (2), 2143, 2136, 2276 (3)     | 870, 1201, 1227, 1229                               |
| 1713                                | $2^3 : S_3$             | 48    | 1247400 | 2046, 2059 (2), 2144 (2), 2098, 2143, 2277 (3)     | 871, 1201, 1227, 1228                               |

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| Nr.                                 | Structure               | Order | Length  | Maximal Subgroups                          | Minimal Overgroups  |
| 1714                                | $2^2 \times 6 \cdot 2$  | 48    | 623700  | 2143, 2092 (2), 2278                       | 872, 1202, 1225 (2), 1227 (2)   |
| 1715                                | $D_8 \times 6$          | 48    | 623700  | 2129 (4), 2099, 2130, 2143, 2279           | 873, 1202, 1214, 1223, 1224, 1226, 1228, 1229   |
| 1716                                | $D_8 : 6$               | 48    | 1247400 | 2129 (2), 2069, 2099, 2142 (2), 2125, 2280 | 877, 1214, 1230, 1231   |
| 1717                                | $2 \times 4 : S_3$      | 48    | 1247400 | 2098, 2136, 2092, 2232 (3)                 | 878, 1215, 1216, 1227   |
| 1718                                | $2 \times 4 : S_3$      | 48    | 623700  | 2136 (2), 2099, 2072 (4), 2281 (3)         | 879, 1215 (2), 1229, 1231 (2)   |
| 1719                                | $2^3 \cdot S_3$         | 48    | 623700  | 2098 (2), 2130, 2213 (3)                   | 880, 1216 (2), 1223 (2), 1228   |
| 1720                                | $2 \times 4 \cdot S_3$  | 48    | 1247400 | 2073 (2), 2099, 2210 (3)                   | 881, 1224, 1230, 1231   |
| 1721                                | $2^3 : S_3$             | 48    | 623700  | 2080 (2), 2145, 2242 (3), 2402 (4)         | 925 (4), 979 (4), 1160 (2), 1264 (2), 1267  |
| 1722                                | $A_4 \times 2 \times 2$ | 48    | 311850  | 2145 (2), 2093, 2251, 2388 (4)             | 954 (8), 1160 (2), 1167, 1169 (2), 1252, 1274, 1280 (2), 1281 (2)                       |
| 1723                                | $A_4 \times 2 \times 2$ | 48    | 623700  | 2146 (2), 2094, 2250, 2400 (4)             | 958 (4), 1161, 1171, 1172, 1205, 1243, 1266, 1276                                       |
| 1724                                | $2^4 : 3$               | 48    | 34650   | 2259, 2385 (8), 2378 (12)                  | 971, 981 (8), 983 (4), 1232 (3), 1233 (9), 1239 (3), 1245, 1246 (3), 1251 (3), 1253 (9) |
| 1725                                | $2^4 : 3$               | 48    | 415800  | 2249, 2357 (4), 2376 (4), 2379 (12)        | 972, 1207, 1240 (3), 1255 (3)   |
| 1726                                | $2^4 : 3$               | 48    | 207900  | 2260, 2356 (8), 2380 (12)                  | 973, 1192, 1234, 1235 (3), 1236, 1237 (3), 1241 (3), 1257 (3)                           |
| 1727                                | $2^4 : 3$               | 48    | 207900  | 2265, 2380 (12), 2359 (8)                  | 982 (4), 1191 (3), 1244, 1278 (3)   |
| 1728                                | $A_4 \times 2 \times 2$ | 48    | 103950  | 2145 (3), 2267, 2403 (4)                   | 984 (4), 1179, 1238 (6), 1247 (6), 1279 (3), 1280 (3)                                   |
| 1729                                | $2^3 : S_3$             | 48    | 1247400 | 2103, 2146, 2095, 2261 (3), 2360 (4)       | 986 (2), 987 (2), 1161, 1222, 1266  |
| 1730                                | $2^3 : S_3$             | 48    | 623700  | 2091, 2146, 2103, 2282 (3), 2399 (4)       | 1152, 1218 (2), 1266 (2)  |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups                  | Minimal Overgroups   |
| 1731                                | $2^3 : S_3$               | 48    | 311850  | 2080 (2), 2093, 2283 (3), 2387 (4) | 1153, 1162 (2), 1254, 1267 (2), 1273 (2), 1274, 1281 (2)                               |
| 1732                                | $A_4 \times 2 \times 2$   | 48    | 155925  | 2145, 2093 (2), 2284, 2384 (4)     | 1153 (2), 1247 (4), 1249, 1252 (2), 1267 (2), 1269 (2), 1270 (2), 1280, 1282 (2), 1283 |
| 1733                                | $2^3 : S_3$               | 48    | 623700  | 2094, 2103 (2), 2277 (3), 2401 (4) | 1156, 1166, 1222, 1258, 1266, 1271, 1272   |
| 1734                                | $2^3 : S_3$               | 48    | 623700  | 2103 (2), 2094, 2230 (3), 2404 (4) | 1163, 1196, 1218, 1256, 1272, 1275, 1276   |
| 1735                                | $4^2 : 3$                 | 48    | 623700  | 2285, 2380 (4)                     | 1193, 1259, 1260, 1261, 1262, 1263, 1277   |
| 1736                                | $A_4 \times 2 \cdot 2$    | 48    | 311850  | 2145, 2286, 2372 (4)               | 1238, 1247 (2), 1248, 1264 (2), 1265 (2), 1279 (2), 1283                               |
| 1737                                | $3 \times 15$             | 45    | 332640  | 2349 (2), 2350 (2), 2414           | 890 (2), 1284, 1285, 1286  |
| 1738                                | $7 : 3 : 2$               | 42    | 950400  | 2147, 2351, 2501 (7)               | 97, 201 (2), 605 (3), 1062 (3), 1063, 1287 (3)   |
| 1739                                | $21 : 2$                  | 42    | 950400  | 2148, 2351, 2502 (7)               | 202 (2), 1063, 1289  |
| 1740                                | $7 : 3 : 2$               | 42    | 1900800 | 2149, 2351, 2503 (7)               | 203, 204, 1063   |
| 1741                                | $S_3 \times 7$            | 42    | 950400  | 2148, 2352 (3), 2499               | 534, 1064, 1289  |
| 1742                                | $7 : 3 \times 2$          | 42    | 1425600 | 2147, 2352, 2504 (7)               | 606 (2), 607, 608 (2), 775 (2), 1064 (2), 1287, 1288, 1290                             |
| 1743                                | $D_{42}$                  | 42    | 950400  | 2148, 2351 (3), 2505 (7)           | 899 (2), 1062, 1289  |
| 1744                                | $D_{10} \cdot 2 \times 2$ | 40    | 5987520 | 2151, 2152, 2150, 2449 (5)         | 205, 207, 209, 423, 706, 707, 708, 780   |
| 1745                                | $D_{20} \cdot 2$          | 40    | 1496880 | 2154, 2153, 2157, 2441 (5)         | 586 (2), 714, 715, 777 (2), 1098, 1300, 1303, 1305                                     |
| 1746                                | $D_{10} \cdot 2 \times 2$ | 40    | 498960  | 2156 (2), 2157, 2450 (5)           | 709, 720 (3), 1083 (6), 1089, 1300 (3), 1301 (3), 1304                                 |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups                    | Minimal Overgroups   |
| 1747                                | $D_{10} \cdot 2 \times 2$ | 40    | 1496880 | 2157, 2155, 2156, 2441 (5)           | 710, 721, 777 (2), 1082 (2), 1087, 1301, 1302, 1303  |
| 1748                                | $D_{20} \times 2$         | 40    | 166320  | 2157 (3), 2162 (3), 2161, 2451 (5)   | 723 (3), 724, 1092, 1095, 1096 (2), 1302 (3), 1304 (3), 1305 (9)                               |
| 1749                                | $D_{10} \cdot 2 \times 2$ | 40    | 498960  | 2158 (2), 2157, 2452 (5)             | 725, 726 (3), 778 (6), 1099, 1303 (3), 1304, 1306 (3)  |
| 1750                                | $D_{10} \cdot 2 \times 2$ | 40    | 1496880 | 2155 (2), 2157, 2445 (5)             | 731, 732, 1084 (4), 1097, 1300, 1302, 1306   |
| 1751                                | $D_{20} \times 2$         | 40    | 498960  | 2157 (3), 2159, 2160 (3), 2453 (5)   | 733, 734, 1081 (3), 1093, 1301, 1305 (3), 1306 (3)   |
| 1752                                | $D_8 \times 5$            | 40    | 1496880 | 2159, 2153, 2161, 2454               | 1079, 1080, 1085 (2), 1101, 1305   |
| 1753                                | $D_{20} : 2$              | 40    | 1496880 | 2154, 2161, 2160, 2448 (5)           | 1100, 1102 (2), 1103, 1305   |
| 1754                                | $D_{20} : 2$              | 40    | 1496880 | 2154, 2159, 2162, 2428 (5)           | 1104, 1106, 1305   |
| 1755                                | $D_{40}$                  | 40    | 1496880 | 2162, 2153, 2160, 2455 (5)           | 1105, 1305   |
| 1756                                | $S_3 \times S_3$          | 36    | 3326400 | 2174, 2186, 2182, 2355 (3), 2402 (3) | 299 (2), 925, 985, 1127, 1130, 1345  |
| 1757                                | $A_4 \times 3$            | 36    | 554400  | 2356 (2), 2357, 2394, 2415 (4)       | 302 (3), 1119, 1313 (3), 1314, 1315 (3)  |
| 1758                                | $A_4 \times 3$            | 36    | 3326400 | 2359 (2), 2396, 2358, 2416 (4)       | 303, 982 (2), 1308   |
| 1759                                | $S_3 \times S_3$          | 36    | 138600  | 2169 (2), 2177, 2365 (6)             | 428 (2), 1108 (4), 1125 (4), 1316 (6), 1317 (3), 1342, 1395 (6), 1411 (3)                      |
| 1760                                | $3 : S_3 \cdot 2$         | 36    | 415800  | 2177, 2513 (9)                       | 430 (4), 891 (4), 1109 (4), 1129 (4), 1316 (2), 1318, 1327 (2), 1347, 1402 (2), 1410 (2), 1411 |

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| Nr.                                 | Structure         | Order | Length  | Maximal Subgroups                    | Minimal Overgroups   |
| 1761                                | $S_3 \times S_3$  | 36    | 138600  | 2164 (2), 2177, 2367 (6)             | 431 (6), 1126 (4), 1132 (4), 1317 (3), 1318 (3), 1325 (6), 1352, 1402 (6)          |
| 1762                                | $S_3 \times S_3$  | 36    | 1108800 | 2166, 2184, 2165, 2353 (6)           | 432 (3), 1135, 1136, 1323 (3)  |
| 1763                                | $S_3 \times S_3$  | 36    | 1663200 | 2165 (2), 2187, 2361 (6)             | 457, 1137 (2), 1310, 1323, 1324  |
| 1764                                | $3 : S_3 \cdot 2$ | 36    | 1663200 | 2187, 2514 (9)                       | 458, 582, 624, 1310, 1319, 1322  |
| 1765                                | $S_3 \times S_3$  | 36    | 831600  | 2164 (2), 2178, 2360 (6)             | 459, 463, 1131 (4), 1309 (2), 1325, 1328 (2)                                       |
| 1766                                | $3 : S_3 \cdot 2$ | 36    | 831600  | 2178, 2514 (9)                       | 460 (2), 624, 626, 1309 (2), 1326, 1366 (2)  |
| 1767                                | $S_3 \times S_3$  | 36    | 1663200 | 2166 (2), 2187, 2361 (6)             | 461, 1137 (2), 1311, 1322, 1323  |
| 1768                                | $3 : S_3 \cdot 2$ | 36    | 1663200 | 2187, 2514 (9)                       | 462, 579, 626, 1311, 1319, 1324  |
| 1769                                | $S_3 \times S_3$  | 36    | 831600  | 2169, 2178, 2164, 2398 (3), 2399 (3) | 464 (2), 1317, 1328 (2), 1417 (2)  |
| 1770                                | $S_3 \times 6$    | 36    | 831600  | 2176, 2169, 2164, 2389, 2390 (3)     | 466 (2), 1317, 1321, 1328, 1408, 1414, 1417, 1418                                  |
| 1771                                | $S_3 \times 6$    | 36    | 831600  | 2176, 2164 (2), 2392, 2400 (3)       | 470 (2), 1116 (4), 1321, 1325, 1328, 1363, 1365, 1400, 1416                        |
| 1772                                | $S_3 \times 6$    | 36    | 3326400 | 2165, 2188, 2166, 2353, 2396 (3)     | 473, 1136 (2), 1323  |
| 1773                                | $3 : S_3 \cdot 2$ | 36    | 1663200 | 2199, 2514 (9)                       | 580, 626, 1335, 1336, 1338   |
| 1774                                | $3 : S_3 \cdot 2$ | 36    | 1663200 | 2197, 2514 (9)                       | 581, 624, 1334, 1337, 1339   |
| 1775                                | $S_3 \times S_3$  | 36    | 138600  | 2177, 2172 (2), 2363 (6)             | 583 (2), 923 (8), 1110 (4), 1123 (4), 1316 (6), 1318 (3), 1340 (6), 1341 (3), 1342 |
| 1776                                | $6 \times S_3$    | 36    | 831600  | 2172 (2), 2176, 2363, 2394 (3)       | 585 (2), 934 (2), 948 (2), 1110 (4), 1340, 1343, 1344, 1361, 1364, 1385, 1386      |

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| Nr.                                 | Structure         | Order | Length  | Maximal Subgroups                    | Minimal Overgroups   |
| 1777                                | $S_3 \times S_3$  | 36    | 831600  | 2172 (2), 2178, 2366 (6)             | 587 (2), 936 (4), 1114 (4), 1309 (2), 1340, 1344 (2)   |
| 1778                                | $S_3 \times S_3$  | 36    | 3326400 | 2170, 2171, 2186, 2362 (3), 2366 (3) | 588, 589, 935, 937, 950 (2), 1113, 1114, 1345  |
| 1779                                | $S_3 \times S_3$  | 36    | 1663200 | 2173 (2), 2187, 2362 (6)             | 590 (2), 938 (2), 1113 (2), 1310, 1311, 1346   |
| 1780                                | $6 \times S_3$    | 36    | 3326400 | 2174, 2170, 2175, 2364, 2373 (3)     | 591, 703 (2), 942, 957, 1115, 1128, 1345   |
| 1781                                | $3 : S_3 \cdot 2$ | 36    | 9240    | 2177, 2515 (9)                       | 592, 882 (36), 1111 (20), 1117 (20), 1342 (15), 1347 (45), 1352 (15)   |
| 1782                                | $S_3 \times S_3$  | 36    | 1108800 | 2183, 2171, 2174, 2365 (3), 2393 (3) | 593, 932, 953 (3), 1112, 1125, 1345 (3)  |
| 1783                                | $6 \times S_3$    | 36    | 3326400 | 2182, 2171, 2175, 2365, 2388 (3)     | 595, 933, 954, 978 (2), 1108, 1112, 1345   |
| 1784                                | $S_3 \times S_3$  | 36    | 1108800 | 2183, 2182, 2170, 2364 (3), 2391 (3) | 597, 940, 955 (3), 1115, 1124, 1345 (3)  |
| 1785                                | $S_3 \times S_3$  | 36    | 1108800 | 2184, 2173, 2185, 2367 (3), 2392 (3) | 598, 939, 956 (3), 1116, 1126, 1346 (3)  |
| 1786                                | $6 \times S_3$    | 36    | 3326400 | 2185, 2173, 2188, 2367, 2400 (3)     | 599, 941, 958, 1116, 1132, 1346  |
| 1787                                | $3 : S_3 \cdot 2$ | 36    | 554400  | 2196, 2516 (9)                       | 601 (3), 1138, 1333, 1355 (3), 1356 (3)  |
| 1788                                | $6 \times S_3$    | 36    | 831600  | 2200, 2172, 2176, 2366, 2384 (3)     | 602, 1341, 1343, 1344, 1353, 1357, 1358, 1359  |
| 1789                                | $S_3 \times S_3$  | 36    | 831600  | 2178, 2172, 2200, 2387 (3), 2364 (3) | 603, 1341, 1344 (2), 1357 (2)  |
| 1790                                | $3 \times 12$     | 36    | 415800  | 2176, 2369 (2), 2370 (2)             | 610 (2), 1359 (2), 1361 (2), 1362, 1363 (2), 1393, 1413, 1414 (2)  |
| 1791                                | $6 \cdot S_3$     | 36    | 415800  | 2176, 2368 (6), 2371 (6)             | 620 (2), 1358 (2), 1362, 1364 (2), 1365 (2), 1405, 1407, 1418 (2)  |
| 1792                                | $A_4 \times 3$    | 36    | 277200  | 2375, 2376 (2), 2377, 2413 (4)       | 704 (12), 883 (2), 972 (3), 975 (4), 984 (6), 1118, 1331, 1349 (3), 1367 (3), 1375, 1381, 1382 (3), 1389 (3) |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                              | Minimal Overgroups   |
| 1793                                | $6 \cdot S_3$    | 36    | 831600  | 2176, 2381, 2369 (3)                           | 884 (4), 969 (2), 970 (2), 1358, 1359, 1372, 1385, 1386, 1396, 1412  |
| 1794                                | $A_4 \times 3$   | 36    | 277200  | 2357 (2), 2382, 2394, 2413 (4)                 | 885 (2), 972 (3), 1119, 1330, 1351 (3), 1371, 1373 (3), 1383, 1388 (3), 1390 (3)   |
| 1795                                | $A_4 \times 3$   | 36    | 27720   | 2386, 2385 (2), 2377, 2414 (4)                 | 886 (5), 890 (6), 971 (5), 1118 (10), 1312, 1329 (10), 1348 (10), 1378 (15), 1379 (15)   |
| 1796                                | $6 : S_3$        | 36    | 415800  | 2177, 2178, 2176, 2366 (6), 2362 (6)           | 887 (4), 924 (4), 1113 (4), 1114 (4), 1317, 1325, 1326, 1327, 1340, 1341, 1347, 1362, 1372, 1374, 1380, 1394, 1395, 1397, 1410 |
| 1797                                | $6 \cdot S_3$    | 36    | 831600  | 2176, 2383, 2374 (3)                           | 888 (4), 1374, 1399, 1400, 1414, 1415, 1416, 1418  |
| 1798                                | $A_4 \times 3$   | 36    | 277200  | 2395, 2356 (2), 2382, 2417 (4)                 | 889 (2), 973 (3), 1119, 1332, 1350 (3), 1376, 1377 (3), 1384, 1391 (3), 1392 (3)   |
| 1799                                | $S_3 \times S_3$ | 36    | 6652800 | 2180, 2181, 2179, 2402 (3), 2354 (3)           | 926, 1127, 1133, 1134  |
| 1800                                | $6 : S_3$        | 36    | 3326400 | 2175, 2186, 2183, 2402 (3), 2355 (3), 2354 (6) | 965 (2), 979, 980, 1127, 1130, 1134 (2), 1345  |
| 1801                                | $6^2$            | 36    | 138600  | 2176 (3), 2375 (2), 2386 (2)                   | 974 (4), 1118, 1321 (2), 1353 (2), 1380, 1385 (6), 1393 (3), 1399 (6), 1405 (3)  |
| 1802                                | $A_4 \times 3$   | 36    | 554400  | 2376 (2), 2385, 2386, 2413 (4)                 | 975 (2), 983 (2), 1118, 1354, 1368 (3), 1403 (3)   |
| 1803                                | $6 : S_3$        | 36    | 415800  | 2178 (2), 2176, 2393 (6), 2401 (6)             | 976 (4), 1328 (2), 1357 (2), 1380, 1386 (2), 1407, 1413, 1415 (2)  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                    | Minimal Overgroups   |
| 1804                                | $A_4 \times 3$   | 36    | 554400  | 2385 (2), 2375, 2376, 2418 (4)       | 981 (4), 1118, 1320, 1398 (3), 1404 (3)                                |
| 1805                                | $A_4 \times 3$   | 36    | 1663200 | 2397 (2), 2403, 2378, 2413 (4)       | 983, 984, 1369, 1370, 1387   |
| 1806                                | $6 : S_3$        | 36    | 1663200 | 2188, 2184, 2187, 2360 (6), 2361 (6) | 986 (2), 1131 (2), 1137 (2), 1319, 1323, 1346                          |
| 1807                                | $S_3 \times S_3$ | 36    | 1663200 | 2185 (2), 2187, 2360 (6)             | 987 (2), 1131 (2), 1322, 1324, 1346                                    |
| 1808                                | $S_3 \times S_3$ | 36    | 6652800 | 2168, 2191, 2189, 2355 (3), 2354 (3) | 994, 1120, 1130, 1134  |
| 1809                                | $S_3 \times S_3$ | 36    | 6652800 | 2190, 2192, 2193, 2361 (3), 2360 (3) | 996, 1131, 1137  |
| 1810                                | $S_3 \times 6$   | 36    | 831600  | 2200 (2), 2176, 2393, 2388 (3)       | 1112 (4), 1353, 1357, 1361, 1364, 1394, 1396, 1412                     |
| 1811                                | $S_3 \times 6$   | 36    | 831600  | 2169 (2), 2176, 2391, 2373 (3)       | 1115 (4), 1363, 1365, 1395, 1399, 1408, 1415, 1417                     |
| 1812                                | $A_4 \times 3$   | 36    | 554400  | 2356, 2357 (2), 2395, 2419 (4)       | 1119, 1401 (3), 1406 (3), 1409   |
| 1813                                | $6^2$            | 36    | 138600  | 2176 (3), 2394 (2), 2395 (2)         | 1119, 1343 (2), 1393 (3), 1396 (6), 1397, 1400 (6), 1407 (3), 1408 (2) |
| 1814                                | $S_3 \times S_3$ | 36    | 3326400 | 2196, 2198 (2), 2354 (6)             | 1120 (2), 1121 (2), 1122 (2), 1133, 1356                               |
| 1815                                | $S_3 \times S_3$ | 36    | 3326400 | 2194 (2), 2199, 2354 (6)             | 1121 (2), 1134 (2), 1336   |
| 1816                                | $S_3 \times S_3$ | 36    | 3326400 | 2195 (2), 2197, 2354 (6)             | 1122 (2), 1134 (2), 1337   |
| 1817                                | $S_3 \times S_3$ | 36    | 138600  | 2200 (2), 2177, 2364 (6)             | 1124 (4), 1128 (4), 1341 (3), 1352, 1394 (6), 1402 (6), 1411 (3)       |
| 1818                                | $S_3 \times S_3$ | 36    | 831600  | 2200 (2), 2178, 2402 (6)             | 1127 (4), 1357 (2), 1366 (2), 1394                                     |
| 1819                                | $S_3 \times S_3$ | 36    | 831600  | 2169 (2), 2178, 2355 (6)             | 1130 (4), 1366 (2), 1395, 1417 (2)                                     |
| 1820                                | $6 : S_3$        | 36    | 415800  | 2178 (2), 2176, 2387 (6), 2404 (6)   | 1344 (2), 1397, 1405, 1412 (2), 1413, 1416 (2), 1417 (2)               |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                   |
| 1821                                | 35                 | 35    | 570240  | 2493, 2512   | 1139, 1419   |
| 1822                                | $D_8 : 4$          | 32    | 1871100 | 2222, 2201, 2202   | 140 (2), 1420, 1487, 1538                            |
| 1823                                | $D_8 : 4$          | 32    | 1871100 | 2222, 2201, 2203   | 141 (2), 1420, 1489, 1538                            |
| 1824                                | $2^{1+4}$          | 32    | 311850  | 2214 (3), 2203 (3), 2215 (6), 2202 (3)                   | 143 (4), 1147 (4), 1420 (6), 1505 (3)                |
| 1825                                | $8 : 2 : 2$        | 32    | 935550  | 2214, 2201 (2)   | 144 (4), 1420 (2), 1494, 1543 (2)                    |
| 1826                                | $Q_8 : 2^2$        | 32    | 1871100 | 2227, 2207 (2), 2201, 2202, 2204 (2)                     | 145 (2), 1420, 1487, 1514                            |
| 1827                                | $Q_8 : 2^2$        | 32    | 1871100 | 2227, 2208 (2), 2201, 2203, 2205 (2)                     | 146 (2), 1420, 1489, 1514                            |
| 1828                                | $Q_8 : 2^2$        | 32    | 1871100 | 2245, 2206 (2), 2287, 2288, 2209 (2)                     | 205 (4), 1430, 1431, 1512                            |
| 1829                                | $Q_8 : 2^2$        | 32    | 1871100 | 2245, 2207 (2), 2289, 2290, 2205 (2)                     | 207 (4), 1431, 1471, 1514                            |
| 1830                                | $Q_8 : 2^2$        | 32    | 1871100 | 2245, 2208 (2), 2289, 2291, 2204 (2)                     | 209 (4), 1430, 1472, 1514                            |
| 1831                                | $Q_8 : 4$          | 32    | 1871100 | 2237, 2211, 2210   | 326 (4), 1492, 1532, 1533                            |
| 1832                                | $D_8 : 2^2$        | 32    | 1871100 | 2212 (2), 2209 (2), 2292, 2293, 2255                     | 385 (2), 1421, 1512, 1539                            |
| 1833                                | $D_8 : 4$          | 32    | 1871100 | 2294, 2295, 2255   | 386 (2), 1421, 1534, 1539                            |
| 1834                                | $D_8 \times 2 : 2$ | 32    | 935550  | 2241, 2214, 2228 (2), 2229 (2), 2213                     | 632 (4), 915 (2), 1173 (2), 1423 (2), 1428, 1491 (2) |
| 1835                                | $2^4 : 2$          | 32    | 935550  | 2247, 2251, 2216, 2219, 2214, 2218, 2217                 | 639 (4), 1167, 1423 (2), 1462, 1475 (2)              |
| 1836                                | $D_8 \times 2^2$   | 32    | 623700  | 2220 (3), 2216 (3), 2250, 2226, 2221 (3), 2230 (3), 2241 | 648 (2), 1171, 1196 (3), 1423 (3), 1432, 1438 (3)    |
| 1837                                | $D_8 \times 2^2$   | 32    | 623700  | 2249, 2225 (3), 2229 (3), 2223, 2221 (3), 2231 (3), 2251 | 649 (2), 1169, 1182, 1423 (3), 1433, 1437 (3)        |
| 1838                                | $D_8 \times 4$     | 32    | 1871100 | 2236, 2224, 2228, 2222, 2221, 2217, 2252                 | 650 (2), 1268, 1423, 1434, 1464                      |
| 1839                                | $D_8 \times 2 : 2$ | 32    | 935550  | 2220 (2), 2227, 2214, 2225 (2), 2222                     | 651 (4), 1420 (2), 1423 (2), 1503                    |

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| Nr.                                 | Structure          | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 1840                                | $2^2 \times 4 : 2$ | 32    | 1871100 | 2247, 2224, 2213, 2223, 2220, 2232, 2253   | 652 (2), 1168, 1216 (2), 1423, 1435, 1468                             |
| 1841                                | $D_8 \times 4$     | 32    | 1871100 | 2239, 2222, 2228, 2223, 2226, 2233, 2218   | 653 (2), 1154, 1155, 1423, 1434, 1436                                 |
| 1842                                | $D_8 \times 2 : 2$ | 32    | 1871100 | 2254, 2226, 2219, 2225, 2224, 2229, 2234   | 654 (2), 1170, 1423, 1437, 1453                                       |
| 1843                                | $D_8 \times 2 : 2$ | 32    | 1871100 | 2254, 2227, 2217, 2250, 2232, 2231, 2228   | 679 (2), 1172, 1423, 1451, 1464                                       |
| 1844                                | $D_8 \times 2 : 2$ | 32    | 1871100 | 2249, 2234, 2228, 2218, 2230, 2227, 2253   | 680 (2), 1174, 1255 (2), 1256, 1423, 1436, 1451                       |
| 1845                                | $D_8 \times 2 : 2$ | 32    | 1871100 | 2236, 2219, 2229, 2233, 2230, 2232, 2225   | 686 (2), 1275, 1423, 1437, 1453                                       |
| 1846                                | $D_8 \times 2 : 2$ | 32    | 1871100 | 2220, 2252, 2213, 2231, 2216, 2233, 2234   | 687 (2), 1423, 1438, 1468   |
| 1847                                | $2^5$              | 32    | 14850   | 2267 (7), 2271 (21), 2235 (3)  | 737 (8), 1177 (28), 1178 (56), 1179, 1447 (21)                        |
| 1848                                | $D_8 \times 4$     | 32    | 1871100 | 2236, 2238, 2223, 2240, 2237, 2224, 2239   | 913 (4), 1158, 1159, 1180 (2), 1434, 1435, 1437                       |
| 1849                                | $2^3 \cdot 2 : 2$  | 32    | 935550  | 2279, 2240 (2), 2213, 2277 (2), 2241   | 914 (2), 1166 (2), 1228 (2), 1427, 1428, 1429, 1435, 1438, 1440, 1491 |
| 1850                                | $2^5$              | 32    | 10395   | 2241 (6), 2274 (15), 2260 (10)   | 916 (36), 1192 (20), 1195 (20), 1428 (45), 1432 (15), 1442 (15)       |
| 1851                                | $D_8 \times 2^2$   | 32    | 1871100 | 2264, 2256, 2296, 2215 (2), 2266, 2257, 2297, 2244, 2246, 2270, 2258 (2), 2271, 2243 | 1148 (2), 1149 (4), 1447, 1505, 1515                                  |
| 1852                                | $D_8 \times 2^2$   | 32    | 623700  | 2247 (3), 2254 (3), 2236, 2220 (3), 2239 (3), 2249, 2241                             | 1150 (3), 1151, 1164 (6), 1242, 1423 (3), 1432, 1435 (3)              |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 1853                                | $D_8 \times 2^2$     | 32    | 935550  | 2247, 2298, 2284, 2221 (2), 2239 (2), 2282 (2), 2248 (2), 2216, 2299, 2283, 2274 | 1152 (2), 1153, 1432, 1433, 1434, 1462, 1468, 1475, 1480                   |
| 1854                                | $D_8 \times 2^2$     | 32    | 623700  | 2259, 2276 (3), 2253 (3), 2223, 2239 (3), 2277 (3), 2249                         | 1156, 1157, 1175 (4), 1187, 1201 (2), 1433, 1435 (3), 1436 (3)             |
| 1855                                | $D_8 \times 2^2$     | 32    | 1871100 | 2250, 2261 (2), 2252, 2225, 2262 (2), 2229, 2253, 2248 (2), 2251, 2239, 2242 (2) | 1160, 1161, 1165 (4), 1423, 1433, 1437                                     |
| 1856                                | $D_8 \times 2^2$     | 32    | 623700  | 2239 (3), 2300 (3), 2230 (3), 2260, 2283 (3), 2249, 2226                         | 1162, 1163, 1186, 1432, 1436 (3), 1437 (3)                                 |
| 1857                                | $D_8 \times 2^2$     | 32    | 311850  | 2267 (2), 2296 (3), 2286, 2270 (6), 2255 (3)                                     | 1176 (4), 1238, 1421 (6), 1447 (2), 1481                                   |
| 1858                                | $D_8 \times 2^2$     | 32    | 623700  | 2254 (3), 2299 (3), 2221 (3), 2300 (3), 2236, 2260, 2250                         | 1181, 1243, 1432, 1437 (3), 1464 (3)                                       |
| 1859                                | $D_8 \times 4$       | 32    | 1871100 | 2237, 2301, 2233, 2252, 2221, 2240, 2226   | 1183, 1434, 1437, 1438   |
| 1860                                | $2 \times 4 : 2 : 2$ | 32    | 155925  | 2247 (2), 2238 (2), 2259, 2279, 2278   | 1184 (2), 1202 (4), 1239 (2), 1422 (6), 1435 (6), 1439, 1455 (3), 1462 (3) |
| 1861                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 2238, 2281, 2232, 2253, 2254, 2240, 2249   | 1185, 1189, 1215 (2), 1240 (2), 1435, 1437, 1451                           |
| 1862                                | $2^3 \cdot 2 : 2$    | 32    | 935550  | 2240 (2), 2302, 2229 (2), 2303, 2260   | 1188 (2), 1241 (2), 1428, 1437 (2), 1456 (2)                               |
| 1863                                | $D_8 \times 2^2$     | 32    | 935550  | 2263, 2255 (2), 2244 (2), 2304, 2305, 2268, 2306, 2269 (2), 2258 (2), 2307, 2235 | 1190 (4), 1446, 1447, 1463, 1470, 1508, 1523, 1524                         |
| 1864                                | $2^5$                | 32    | 155925  | 2308 (6), 2309 (6), 2310 (12), 2306 (3), 2265 (4)                                | 1191 (4), 1441, 1446 (6), 1448 (6), 1511 (3), 1516 (3)                     |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 1865                                | $2 \times 4^2$         | 32    | 155925  | 2311 (3), 2285 (4)   | 1193 (4), 1444, 1445 (6), 1449 (6), 1479 (3), 1509 (3)                      |
| 1866                                | $2^2 \times 4 \cdot 2$ | 32    | 311850  | 2312 (3)   | 1194 (4), 1443, 1482 (3), 1510 (3)  |
| 1867                                | $D_8 \times 2 : 2$     | 32    | 623700  | 2265, 2313 (3), 2268 (3)   | 1197 (4), 1244, 1446 (3)  |
| 1868                                | $D_8 \times 2 : 2$     | 32    | 103950  | 2259, 2275 (3), 2263 (3)   | 1198 (8), 1199 (4), 1245, 1246, 1439 (3), 1461 (9), 1463 (3)                |
| 1869                                | $D_8 \times 2^2$       | 32    | 623700  | 2284, 2314 (3), 2266 (3), 2286, 2244 (3), 2272 (3), 2267                             | 1200 (2), 1247, 1447, 1477, 1481  |
| 1870                                | $D_8 \times 2^2$       | 32    | 1871100 | 2314, 2315 (2), 2270, 2310, 2257, 2256, 2297, 2272, 2243, 2246, 2271, 2269 (2), 2255 | 1203 (2), 1447, 1515, 1524  |
| 1871                                | $D_8 \times 2^2$       | 32    | 935550  | 2272 (2), 2316, 2317, 2318, 2310, 2243 (2), 2246 (2), 2270 (2), 2268 (2), 2235       | 1204 (4), 1446 (2), 1447, 1524 (2)  |
| 1872                                | $2^5$                  | 32    | 51975   | 2284 (3), 2250 (12), 2249 (4), 2319 (9), 2274 (3)                                    | 1205 (4), 1207 (8), 1249, 1432 (3), 1433 (6), 1451 (18), 1477 (3), 1484 (9) |
| 1873                                | $Q_8 \times 2^2$       | 32    | 103950  | 2286 (3), 2320 (9), 2273 (3)   | 1206 (4), 1212 (4), 1213 (4), 1248, 1450 (18), 1481 (3)                     |
| 1874                                | $2^{1+4}$              | 32    | 51975   | 2279 (3), 2280 (6), 2263 (6)   | 1208 (8), 1214 (4), 1250, 1439 (3), 1440 (6), 1452 (18), 1469 (9), 1470 (3) |
| 1875                                | $2^{1+4}$              | 32    | 623700  | 2321 (3), 2322 (3), 2323 (3), 2315 (3), 2268 (3)                                     | 1209 (4), 1524 (3)  |
| 1876                                | $2^{1+4}$              | 32    | 311850  | 2324 (3), 2257 (6), 2290 (3), 2288 (3)   | 1210 (4), 1431 (6), 1515 (3)  |
| 1877                                | $2^{1+4}$              | 32    | 311850  | 2325 (3), 2256 (6), 2291 (3), 2288 (3)   | 1211 (4), 1430 (6), 1515 (3)  |
| 1878                                | $D_8 \cdot 2^2$        | 32    | 1871100 | 2206 (2), 2293, 2326 (2), 2273, 2292   | 1217 (2), 1450, 1512, 1541  |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups   | Minimal Overgroups  |
| 1879                                | $D_8 \times 2^2$       | 32    | 935550  | 2220 (2), 2282 (4),<br>2254 (2), 2230 (2),<br>2300 (2), 2298, 2274,<br>2319 | 1218 (2), 1432, 1451,<br>1453, 1468, 1503,<br>1531, 1537                    |
| 1880                                | $2^3 \times 4$         | 32    | 155925  | 2236 (4), 2226 (4),<br>2274, 2298 (6)                                       | 1219 (4), 1432, 1434<br>(6), 1453 (6), 1528<br>(3), 1536 (3)                |
| 1881                                | $2^2 \times 4 : 2$     | 32    | 935550  | 2240 (2), 2228 (2),<br>2274, 2312, 2311                                     | 1220 (2), 1428, 1434,<br>1451, 1480, 1509,<br>1510, 1537                    |
| 1882                                | $Q_8 : 4$              | 32    | 1871100 | 2294, 2295, 2273  | 1221 (2), 1450, 1534,<br>1541   |
| 1883                                | $D_8 \times 2^2$       | 32    | 935550  | 2277 (2), 2261 (4),<br>2229 (2), 2216 (2),<br>2327 (2), 2274, 2312,<br>2306 | 1222 (2), 1428, 1433,<br>1453, 1475, 1510,<br>1511, 1531                    |
| 1884                                | $D_8 \times 2 \cdot 2$ | 32    | 935550  | 2213 (2), 2279  | 1223 (2), 1422, 1440,<br>1454, 1490, 1491,<br>1499, 1501                    |
| 1885                                | $8 : 2 : 2$            | 32    | 935550  | 2279, 2210 (2)  | 1224 (2), 1422, 1427,<br>1429, 1452, 1492,<br>1500, 1501                    |
| 1886                                | $D_8 \times 2 \cdot 2$ | 32    | 311850  | 2278, 2275, 2263  | 1225 (4), 1439, 1506<br>(3), 1508 (3)                                       |
| 1887                                | $2 \times 4 : 2 : 2$   | 32    | 155925  | 2279, 2275 (2)  | 1226 (4), 1427 (6),<br>1439, 1454 (6), 1502<br>(3), 1507 (3)                |
| 1888                                | $D_8 \times 2 : 2$     | 32    | 1871100 | 2236, 2276, 2277,<br>2232, 2254, 2224,<br>2278                              | 1227 (2), 1271, 1435,<br>1453, 1464   |
| 1889                                | $D_8 \times 2 : 2$     | 32    | 935550  | 2220 (2), 2276 (2),<br>2279, 2281, 2237                                     | 1229 (2), 1435, 1438,<br>1452, 1454, 1490,<br>1492, 1503                    |
| 1890                                | $Q_8 : 4$              | 32    | 1871100 | 2237, 2210, 2280  | 1230 (2), 1452, 1532,<br>1533   |
| 1891                                | $D_8 : 2^2$            | 32    | 1871100 | 2281, 2212 (2), 2210,<br>2280, 2206 (2)                                     | 1231 (2), 1452, 1512,<br>1532   |
| 1892                                | $D_8 \times 2 : 2$     | 32    | 311850  | 2259, 2328 (3), 2305<br>(3)   | 1232, 1233, 1455 (3),<br>1458 (3), 1460 (3),<br>1461 (3), 1463, 1465<br>(2) |

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| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 1893                                | $D_8 \times 2 : 2$   | 32    | 623700  | 2260, 2329 (3), 2330 (3)   | 1234, 1235, 1442, 1456 (3), 1457 (3)   |
| 1894                                | $D_8 \times 2 : 2$   | 32    | 623700  | 2260, 2329 (3), 2331 (3)   | 1236, 1237, 1442, 1456 (3), 1459 (3)   |
| 1895                                | $2^5$                | 32    | 51975   | 2284 (6), 2308 (9), 2306 (9), 2251 (6), 2259                                     | 1251 (2), 1252 (2), 1433 (6), 1441, 1462 (9), 1463 (6), 1465 (6), 1466 (9), 1467 (6) |
| 1896                                | $D_8 \times 2 : 2$   | 32    | 467775  | 2259, 2332, 2218 (2), 2283 (2), 2333   | 1253 (2), 1254 (2), 1425 (2), 1436 (2), 1458, 1460, 1461 (2), 1462, 1466 (2)         |
| 1897                                | $2 \times 4 : 2 : 2$ | 32    | 935550  | 2277 (2), 2302, 2333, 2228 (2), 2260   | 1257 (2), 1258 (2), 1424, 1426, 1428, 1436, 1457, 1459, 1464                         |
| 1898                                | $Q_8 : 4$            | 32    | 1871100 | 2285, 2291, 2287   | 1259, 1430, 1449, 1472   |
| 1899                                | $D_8 \times 2 : 2$   | 32    | 623700  | 2245 (3), 2325 (3), 2285   | 1260, 1430 (3), 1444, 1471 (3)   |
| 1900                                | $Q_8 : 4$            | 32    | 1871100 | 2285, 2289, 2288   | 1261, 1430, 1431, 1445   |
| 1901                                | $D_8 \times 2 : 2$   | 32    | 623700  | 2245 (3), 2324 (3), 2285   | 1262, 1431 (3), 1444, 1472 (3)   |
| 1902                                | $D_8 : 4$            | 32    | 1871100 | 2285, 2290, 2287   | 1263, 1431, 1449, 1471   |
| 1903                                | $D_8 \times 2 : 2$   | 32    | 1871100 | 2242 (2), 2334 (2), 2292, 2294, 2286   | 1264, 1421, 1450, 1483   |
| 1904                                | $2 \times 8 : 2$     | 32    | 1871100 | 2286, 2295, 2293   | 1265, 1421, 1450, 1485   |
| 1905                                | $D_8 \times 2^2$     | 32    | 1871100 | 2276, 2308, 2262 (2), 2335 (2), 2252, 2231, 2221, 2277, 2282 (2), 2261 (2), 2250 | 1266, 1433, 1438, 1464   |
| 1906                                | $D_8 \times 2^2$     | 32    | 935550  | 2319, 2231 (2), 2312, 2335 (2), 2327 (2), 2283 (2), 2253 (2), 2284, 2242 (2)     | 1267, 1433, 1451, 1466, 1468, 1474, 1482, 1483                                       |
| 1907                                | $2^3 \times 4$       | 32    | 311850  | 2298 (3), 2252 (6), 2312 (3), 2284, 2223 (2)                                     | 1269, 1433, 1434 (3), 1467, 1468 (3), 1476, 1478 (3), 1482 (3)                       |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups  |
| 1908                                | $2^3 \cdot 2 \times 2$    | 32    | 935550  | 2298, 2217, 2311,<br>2301, 2284, 2238,<br>2218                             | 1270, 1434, 1451,<br>1462, 1467, 1474,<br>1478, 1479                            |
| 1909                                | $2 \times 4 : 2 : 2$      | 32    | 1871100 | 2276, 2332, 2233,<br>2234, 2226, 2277,<br>2230                             | 1272, 1436, 1438,<br>1453   |
| 1910                                | $2 \times 4 \cdot 2 : 2$  | 32    | 1871100 | 2223, 2234, 2233,<br>2253, 2300, 2302,<br>2283                             | 1273, 1436, 1437,<br>1468   |
| 1911                                | $2 \times 4 : 2 : 2$      | 32    | 935550  | 2299, 2301, 2219,<br>2303, 2238, 2251,<br>2283                             | 1274, 1437 (2), 1462,<br>1474 (2)   |
| 1912                                | $2^3 \cdot 2 : 2$         | 32    | 1871100 | 2281, 2301, 2234,<br>2231, 2250, 2240,<br>2230                             | 1276, 1437, 1438,<br>1451   |
| 1913                                | $D_8 : 4$                 | 32    | 1871100 | 2285, 2289, 2336   | 1277, 1445, 1471,<br>1472   |
| 1914                                | $2 \times 4 : 2 : 2$      | 32    | 1871100 | 2265, 2316, 2317,<br>2313, 2337 (2), 2304                                  | 1278, 1446, 1448 (2)  |
| 1915                                | $2^3 \times 4$            | 32    | 311850  | 2286 (2), 2318 (3),<br>2297 (6), 2267, 2307<br>(3)                         | 1279, 1447, 1473 (2),<br>1481 (2)   |
| 1916                                | $2^5$                     | 32    | 155925  | 2264 (3), 2309 (12),<br>2310 (6), 2306 (3),<br>2251 (4), 2284, 2267<br>(2) | 1280, 1441, 1447 (2),<br>1473 (2), 1474 (6),<br>1475 (6), 1476, 1477            |
| 1917                                | $2^3 \cdot 2 : 2$         | 32    | 1871100 | 2327, 2338, 2339,<br>2340, 2251, 2218,<br>2283                             | 1281, 1466, 1474,<br>1475   |
| 1918                                | $2 \times 4 : 2 \times 2$ | 32    | 935550  | 2312, 2339 (2), 2341,<br>2218 (2), 2284                                    | 1282, 1466, 1467,<br>1475, 1478, 1480,<br>1482, 1484                            |
| 1919                                | $2^3 \times 4$            | 32    | 155925  | 2284, 2342 (6), 2341<br>(3), 2286 (2), 2311<br>(3)                         | 1283, 1467 (2), 1477,<br>1479 (3), 1480 (6),<br>1481 (2), 1483 (3),<br>1485 (6) |
| 1920                                | $D_8 : 4$                 | 32    | 1871100 | 2294, 2296, 2293   | 1421, 1540, 1541  |
| 1921                                | $D_8 : 2^2$               | 32    | 1871100 | 2292, 2204 (2), 2295,<br>2205 (2), 2296                                    | 1421, 1514, 1541  |
| 1922                                | $8 : 2 : 2$               | 32    | 935550  | 2333, 2201 (2)   | 1424, 1425, 1426,<br>1487, 1489, 1494,<br>1495                                  |

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| Nr.                                 | Structure              | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 1923                                | $2 \times 4 : 2 : 2$   | 32    | 467775  | 2333, 2328 (2)   | 1424 (2), 1458, 1486 (2), 1493, 1496, 1520 (2), 1525 (2)                                 |
| 1924                                | $D_8 \times 2 \cdot 2$ | 32    | 935550  | 2329 (2), 2333   | 1425, 1457, 1459, 1486, 1488, 1495, 1498   |
| 1925                                | $2 \times 4 : 2 : 2$   | 32    | 467775  | 2333, 2328 (2)   | 1426 (2), 1460, 1488 (2), 1493, 1497, 1520 (2), 1526 (2)                                 |
| 1926                                | $D_8 \times 2^2$       | 32    | 467775  | 2274, 2244 (4), 2343 (4), 2311, 2214, 2303, 2279, 2306, 2333       | 1428, 1462, 1470, 1477, 1493, 1494, 1498, 1499, 1500, 1502, 1503, 1505, 1509, 1511, 1528 |
| 1927                                | $2^4 \cdot 2$          | 32    | 467775  | 2274, 2312 (2), 2213 (2), 2302 (2)                                 | 1428, 1468 (2), 1484, 1499 (2), 1504 (2), 1510 (2), 1536                                 |
| 1928                                | $2 \times 4 : 2 : 2$   | 32    | 467775  | 2279, 2328 (2)   | 1429 (2), 1455, 1469, 1490 (2), 1493 (2), 1502, 1518 (2)                                 |
| 1929                                | $8 : 2 : 2$            | 32    | 1871100 | 2325, 2289, 2287   | 1430, 1471, 1513   |
| 1930                                | $8 : 2 : 2$            | 32    | 1871100 | 2324, 2287, 2289   | 1431, 1472, 1513   |
| 1931                                | $D_8 \times 2^2$       | 32    | 935550  | 2276 (2), 2306, 2262 (4), 2319, 2327 (2), 2225 (2), 2299 (2), 2298 | 1433, 1453, 1474, 1503, 1516, 1529, 1530   |
| 1932                                | $2 \times 4^2$         | 32    | 467775  | 2237 (2), 2222 (2), 2298 (2), 2311                                 | 1434 (2), 1479, 1503, 1527 (2), 1533 (2), 1535, 1538 (2)                                 |
| 1933                                | $2^2 \times 4 \cdot 2$ | 32    | 935550  | 2224 (2), 2233 (2), 2298 (2), 2312                                 | 1434, 1443, 1453, 1468, 1478, 1527, 1530   |
| 1934                                | $D_8 \times 2 : 2$     | 32    | 935550  | 2276 (2), 2222, 2227, 2300 (2), 2333                               | 1436, 1464, 1486, 1487, 1488, 1489, 1503   |
| 1935                                | $D_8 \times 2 : 2$     | 32    | 935550  | 2300 (2), 2225 (2), 2237, 2303, 2281                               | 1437 (2), 1503, 1532 (2)   |
| 1936                                | $2 \times 4 : 2 : 2$   | 32    | 1871100 | 2299, 2231, 2232, 2302, 2224, 2252, 2300                           | 1437, 1464, 1468   |
| 1937                                | $2^3 \cdot 2 : 2$      | 32    | 467775  | 2279, 2301 (2), 2216 (2), 2308, 2332                               | 1438 (2), 1462, 1469, 1501 (2), 1507, 1511 (2), 1518 (2)                                 |

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| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 1938                                | $2^4 \cdot 2$             | 32    | 467775  | 2274, 2341 (2), 2329 (4)   | 1442, 1480 (2), 1484, 1498 (2), 1504 (2), 1528, 1531 (2) |
| 1939                                | $D_8 \times 2^2$          | 32    | 467775  | 2274, 2340 (2), 2266 (4), 2214 (2), 2341, 2330 (2), 2331 (2), 2264               | 1442, 1475 (2), 1477, 1504 (2), 1505 (2), 1536, 1537 (2) |
| 1940                                | $2 \times 4 : 2 \times 2$ | 32    | 935550  | 2219 (2), 2338 (2), 2298, 2264, 2312   | 1443, 1474, 1475, 1476, 1535, 1536, 1537                 |
| 1941                                | $D_8 \times 2^2$          | 32    | 467775  | 2281 (2), 2292 (4), 2227 (2), 2319 (2), 2245 (4), 2311                           | 1444, 1451 (2), 1483, 1503, 1512 (2), 1514 (2), 1529 (2) |
| 1942                                | $D_8 \times 2^2$          | 32    | 467775  | 2319, 2303 (2), 2314 (4), 2325 (2), 2324 (2), 2264, 2340 (2), 2311               | 1444, 1474 (2), 1477, 1513 (2), 1515 (2), 1535, 1537 (2) |
| 1943                                | $D_8 : 2^2$               | 32    | 935550  | 2280, 2307 (2), 2344 (2), 2273, 2211, 2255, 2244 (2), 2345 (2), 2311, 2288, 2336 | 1445, 1470, 1481, 1512, 1515, 1533, 1534                 |
| 1944                                | $8 : 2 \times 2$          | 32    | 935550  | 2311, 2295 (2), 2201 (2), 2289 (2)   | 1445, 1485, 1494, 1513, 1514, 1534, 1538                 |
| 1945                                | $D_8 \times 2 : 2$        | 32    | 935550  | 2308, 2337 (2), 2328, 2263, 2268 (2)   | 1446 (2), 1463, 1469, 1506, 1525, 1526                   |
| 1946                                | $2^3 \cdot 2 \times 2$    | 32    | 1871100 | 2307, 2313 (2), 2337 (2), 2318, 2310   | 1446, 1448, 1473   |
| 1947                                | $D_8 \times 2 : 2$        | 32    | 935550  | 2308, 2316 (2), 2328, 2305, 2313 (2)   | 1446, 1448, 1465, 1497, 1518, 1522, 1525                 |
| 1948                                | $D_8 \times 2 : 2$        | 32    | 935550  | 2308, 2317 (2), 2328, 2305, 2313 (2)   | 1446, 1448, 1465, 1496, 1518, 1521, 1526                 |
| 1949                                | $2^3 \cdot 2 \times 2$    | 32    | 935550  | 2328 (2), 2318 (2), 2306, 2313 (2)   | 1446, 1465, 1473, 1493, 1517, 1520, 1523                 |
| 1950                                | $D_8 \times 2^2$          | 32    | 935550  | 2314 (2), 2271, 2257 (2), 2256 (2), 2310, 2296 (2), 2304 (2), 2317, 2316, 2307   | 1447, 1448 (2), 1515 (2)                                 |

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|-------------------------------------|---------------------------|-------|---------|--|--|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups                                       |
| 1951                                | $D_8 \times 2^2$          | 32    | 935550  | 2266 (2), 2316, 2215 (2), 2270 (2), 2306, 2315 (2), 2305 (2), 2271, 2318, 2317   | 1447, 1448, 1465, 1505, 1517, 1519, 1524                 |
| 1952                                | $2 \times 4 : 2 : 2$      | 32    | 935550  | 2308, 2337 (2), 2305, 2304 (2), 2275   | 1448 (2), 1463, 1506, 1507, 1521, 1522                   |
| 1953                                | $2^3 \cdot 2 \times 2$    | 32    | 935550  | 2275, 2307 (2), 2328, 2306, 2337 (2)   | 1448, 1463, 1473, 1502, 1508, 1519, 1520                 |
| 1954                                | $8 : 2 \times 2$          | 32    | 935550  | 2210 (2), 2293 (2), 2311, 2287 (2)   | 1449, 1485, 1500, 1512, 1513, 1533, 1540                 |
| 1955                                | $D_8 : 2^2$               | 32    | 935550  | 2211 (2), 2346 (2), 2266 (2), 2297 (2), 2311, 2296, 2202, 2290, 2203, 2320, 2291 | 1449, 1481, 1505, 1514, 1515, 1538, 1540                 |
| 1956                                | $Q_8 : 4$                 | 32    | 1871100 | 2294, 2320, 2293   | 1450, 1539, 1540   |
| 1957                                | $Q_8 : 2^2$               | 32    | 1871100 | 2292, 2208 (2), 2295, 2207 (2), 2320   | 1450, 1514, 1539   |
| 1958                                | $2^4 \cdot 2$             | 32    | 935550  | 2232 (2), 2234 (2), 2298, 2312, 2319   | 1451, 1453, 1468, 1482, 1529, 1530, 1535                 |
| 1959                                | $2 \times 4 : 2 \times 2$ | 32    | 467775  | 2278, 2332, 2219 (2), 2298 (2), 2306   | 1453 (2), 1462, 1476, 1508 (2), 1516, 1517 (2), 1527 (2) |
| 1960                                | $2^3 \cdot 2 : 2$         | 32    | 935550  | 2278, 2305, 2328   | 1455, 1496, 1497, 1506, 1508, 1517 (2)                   |
| 1961                                | $2^{1+4}$                 | 32    | 467775  | 2214 (2), 2344 (4), 2258 (4), 2211 (2), 2279, 2305 (2)                           | 1455, 1470, 1491 (2), 1492 (2), 1505 (2), 1507, 1518 (2) |
| 1962                                | $2^{1+4}$                 | 32    | 935550  | 2331, 2347 (2), 2211 (2), 2257 (2), 2303, 2256 (2), 2215 (2), 2330, 2348 (2)     | 1456 (2), 1505, 1515 (2)                                 |
| 1963                                | $2 \times 4 : 2 : 2$      | 32    | 1871100 | 2331, 2329, 2302   | 1456, 1459, 1504   |
| 1964                                | $2 \times 4 : 2 : 2$      | 32    | 935550  | 2303, 2329 (2)   | 1456 (2), 1498, 1542 (2)                                 |
| 1965                                | $2 \times 4 : 2 : 2$      | 32    | 1871100 | 2302, 2330, 2329   | 1456, 1457, 1504   |
| 1966                                | $2^{1+4}$                 | 32    | 467775  | 2333, 2322 (4), 2243 (4), 2202 (2), 2330 (2), 2305 (2)                           | 1457 (2), 1458, 1487 (2), 1497, 1505, 1521 (2), 1524 (2) |

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|-------------------------------------|---------------------------|-------|--------|--|--|
| Nr.                                 | Structure                 | Order | Length | Maximal Subgroups  | Minimal Overgroups                                       |
| 1967                                | $2^3 \cdot 2 : 2$         | 32    | 935550 | 2332, 2305, 2328   | 1458, 1517, 1518, 1519, 1522, 1523, 1526                 |
| 1968                                | $2^{1+4}$                 | 32    | 467775 | 2333, 2323 (4), 2203 (2), 2331 (2), 2246 (4), 2305 (2)                       | 1459 (2), 1460, 1489 (2), 1496, 1505, 1522 (2), 1524 (2) |
| 1969                                | $2^3 \cdot 2 : 2$         | 32    | 935550 | 2332, 2305, 2328   | 1460, 1517, 1518, 1519, 1521, 1523, 1525                 |
| 1970                                | $2^3 \cdot 2 : 2$         | 32    | 935550 | 2332, 2305, 2275   | 1461, 1507, 1508, 1519 (2), 1521, 1522                   |
| 1971                                | $2 \times 4 : 2 : 2$      | 32    | 935550 | 2333, 2328, 2275   | 1461, 1502, 1506, 1520 (2), 1521, 1522                   |
| 1972                                | $D_8 \times 2 \cdot 2$    | 32    | 935550 | 2332, 2328, 2263   | 1461, 1469, 1508, 1523 (2), 1525, 1526                   |
| 1973                                | $2^{1+4}$                 | 32    | 935550 | 2343 (2), 2269 (2), 2336 (2), 2344 (2), 2333, 2345 (2), 2305, 2268 (2), 2263 | 1461, 1470, 1506, 1524 (2), 1525, 1526                   |
| 1974                                | $2^4 : 2$                 | 32    | 467775 | 2278, 2308, 2217 (2), 2299 (2), 2333   | 1462, 1464 (2), 1495 (2), 1496, 1497, 1506 (2), 1516 (2) |
| 1975                                | $D_8 \times 2 : 2$        | 32    | 935550 | 2327 (2), 2339 (2), 2332, 2333, 2308   | 1466, 1511, 1516, 1521, 1522, 1525, 1526                 |
| 1976                                | $2^3 \cdot 2 \times 2$    | 32    | 467775 | 2312 (2), 2338 (2), 2306, 2332 (2)   | 1466, 1476, 1510 (2), 1511, 1519 (2), 1523 (2), 1530 (2) |
| 1977                                | $D_8 \times 2^2$          | 32    | 467775 | 2319, 2321 (4), 2340 (2), 2272 (4), 2341, 2333 (2), 2306                     | 1466, 1477, 1516, 1520 (2), 1524 (2), 1529 (2), 1531 (2) |
| 1978                                | $2 \times 4 : 2 \times 2$ | 32    | 935550 | 2312, 2306, 2339 (2), 2301 (2), 2311   | 1467, 1474, 1509, 1510, 1511, 1527, 1529                 |
| 1979                                | $2 \times 4 : 2 \times 2$ | 32    | 935550 | 2298, 2339 (2), 2217 (2), 2341, 2306   | 1467, 1475, 1516, 1527, 1528, 1530, 1531                 |
| 1980                                | $2^{1+4}$                 | 32    | 935550 | 2343 (2), 2280, 2288 (2), 2269 (2), 2303, 2258 (2), 2304 (2), 2345 (2), 2211 | 1470, 1515 (2), 1532 (2)                                 |

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|-------------------------------------|-------------------------------|-------|---------|--|--|
| Nr.                                 | Structure                     | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 1981                                | $2^{1+4}$                     | 32    | 935550  | 2321 (2), 2316 (2),<br>2322 (2), 2246 (2),<br>2325, 2347 (2), 2290,<br>2269 (2), 2336              | 1471 (2), 1515, 1524<br>(2)                                    |
| 1982                                | $Q_8 : 2^2$                   | 32    | 1871100 | 2245, 2326 (2), 2287,<br>2336, 2212 (2)  | 1471, 1472, 1512   |
| 1983                                | $2^{1+4}$                     | 32    | 935550  | 2321 (2), 2317 (2),<br>2323 (2), 2243 (2),<br>2324, 2348 (2), 2291,<br>2269 (2), 2336              | 1472 (2), 1515, 1524<br>(2)                                    |
| 1984                                | $D_8 \times 2 : 2$            | 32    | 935550  | 2327 (2), 2309, 2338,<br>2301 (2), 2303  | 1474 (2), 1511, 1542<br>(2)                                    |
| 1985                                | $2^4 : 2$                     | 32    | 1871100 | 2299, 2309, 2217,<br>2340, 2219, 2339,<br>2327   | 1474, 1475, 1516   |
| 1986                                | $2 \times 4 : 2 : 2$          | 32    | 935550  | 2216 (2), 2339 (2),<br>2214, 2338, 2309  | 1475 (2), 1511, 1543<br>(2)                                    |
| 1987                                | $D_8 \times 2^2$              | 32    | 1871100 | 2319, 2310, 2266,<br>2321 (2), 2330, 2331,<br>2272, 2343 (2), 2342,<br>2244, 2325, 2324,<br>2314   | 1477, 1515, 1524   |
| 1988                                | $2 \times 4 \cdot 2 \times 2$ | 32    | 467775  | 2312 (2), 2294 (4),<br>2311  | 1478 (2), 1483, 1509,<br>1510 (2), 1534 (2),<br>1535, 1540 (2) |
| 1989                                | $2^2 \times 4 \cdot 2$        | 32    | 935550  | 2298, 2341, 2311   | 1478, 1479, 1480,<br>1527, 1528, 1529,<br>1537                 |
| 1990                                | $2^2 \times 4 \cdot 2$        | 32    | 935550  | 2312, 2341, 2298   | 1478, 1480, 1482,<br>1527, 1530, 1531,<br>1536                 |
| 1991                                | $D_8 : 2^2$                   | 32    | 1871100 | 2314, 2297, 2291,<br>2290, 2342, 2320,<br>2347, 2348, 2272,<br>2270, 2322, 2323,<br>2345 (2), 2307 | 1481, 1515, 1524   |
| 1992                                | $D_8 : 2^2$                   | 32    | 1871100 | 2266, 2348, 2202,<br>2320, 2341, 2347,<br>2203, 2297, 2244,<br>2323, 2344 (2), 2318,<br>2322, 2270 | 1481, 1505, 1524   |

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|-------------------------------------|---------------------------|-------|---------|--|--|
| Nr.                                 | Structure                 | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 1993                                | $D_8 : 2^2$               | 32    | 935550  | 2314 (2), 2297 (2),<br>2347 (2), 2348 (2),<br>2342, 2296, 2346 (2),<br>2288 (2), 2273                | 1481, 1515 (2), 1541<br>(2)  |
| 1994                                | $D_8 : 2^2$               | 32    | 935550  | 2342, 2323 (2), 2322<br>(2), 2318 (2), 2272<br>(2), 2346 (2), 2320,<br>2336 (2), 2255                | 1481, 1524 (2), 1539<br>(2)  |
| 1995                                | $2 \times 4 : 2 \times 2$ | 32    | 935550  | 2312, 2334 (4), 2341,<br>2319  | 1482, 1483, 1484,<br>1529, 1530, 1531,<br>1537                                 |
| 1996                                | $2^2 \times 4 : 2$        | 32    | 1871100 | 2335 (2), 2294, 2334<br>(2), 2342, 2292  | 1483, 1539, 1541   |
| 1997                                | $2 \times 8 : 2$          | 32    | 1871100 | 2342, 2295, 2293   | 1485, 1539, 1541   |
| 1998                                | $2 \times 4 : 2 : 2$      | 32    | 935550  | 2213 (2), 2214   | 1491 (2), 1499, 1543<br>(2)  |
| 1999                                | $Q_8 : 2^2$               | 32    | 1871100 | 2281, 2326 (2), 2209<br>(2), 2211, 2210  | 1492, 1512, 1532   |
| 2000                                | $8 : 2 : 2$               | 32    | 935550  | 2303, 2210 (2)   | 1500, 1532 (2), 1542<br>(2)  |
| 2001                                | $2^{1+4}$                 | 32    | 1871100 | 2343, 2344, 2317,<br>2348, 2331, 2202,<br>2290, 2246, 2340,<br>2258, 2315, 2256,<br>2346, 2215, 2322 | 1505, 1515, 1524   |
| 2002                                | $2^{1+4}$                 | 32    | 1871100 | 2343, 2203, 2346,<br>2257, 2330, 2344,<br>2315, 2323, 2340,<br>2215, 2291, 2347,<br>2316, 2258, 2243 | 1505, 1515, 1524   |
| 2003                                | $2^{1+4}$                 | 32    | 1871100 | 2324, 2345 (2), 2315,<br>2321, 2257, 2346 (2),<br>2347, 2325, 2256,<br>2348, 2246, 2243,<br>2304     | 1515 (2), 1524   |
| 2004                                | $S_3 \times 5$            | 30    | 1995840 | 2349, 2410 (3), 2500   | 630, 1080, 1085 (2),<br>1285, 1553   |
| 2005                                | $S_3 \times 5$            | 30    | 997920  | 2350, 2410 (3), 2499   | 631, 1079 (2), 1285<br>(2), 1552, 1554, 1555                                   |
| 2006                                | $15 : 2$                  | 30    | 665280  | 2349, 2409, 2504 (5)   | 775 (6), 883, 889,<br>1093 (3), 1096 (2),<br>1284, 1553 (3), 1556<br>(3), 1561 |

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| Nr.                                 | Structure     | Order | Length  | Maximal Subgroups                            | Minimal Overgroups  |
| 2007                                | $15 : 2$      | 30    | 166320  | 2350, 2409, 2506 (5)                         | 885 (4), 886, 1092 (4), 1284 (4), 1554 (6), 1558, 1559 (6), 1562 (3), 1563 (3)        |
| 2008                                | $D_{30}$      | 30    | 997920  | 2350, 2411 (3), 2505 (5)                     | 1100 (2), 1286 (2), 1554, 1555, 1568  |
| 2009                                | $D_{30}$      | 30    | 1995840 | 2349, 2411 (3), 2494 (5)                     | 1102 (2), 1104, 1286, 1553  |
| 2010                                | 30            | 30    | 498960  | 2350, 2410, 2506                             | 1552, 1562, 1567, 1568, 1569, 1570, 1571  |
| 2011                                | $15 : 2$      | 30    | 498960  | 2350, 2411, 2502 (5)                         | 1555 (2), 1562, 1569 (2), 1572 (2)  |
| 2012                                | $2 \times 14$ | 28    | 475200  | 2352 (3), 2517                               | 737 (2), 1290, 1291 (2), 1292, 1574 (3)   |
| 2013                                | $Q_{28}$      | 28    | 1425600 | 2352, 2513 (7)                               | 1008 (2), 1288, 1574  |
| 2014                                | $D_{28}$      | 28    | 1425600 | 2351 (2), 2352, 2518 (7)                     | 1287, 1289 (2), 1574  |
| 2015                                | $3^{1+2}$     | 27    | 985600  | 2418, 2412 (3)                               | 194 (3), 1293, 1295, 1296, 1299   |
| 2016                                | $3^{1+2}$     | 27    | 492800  | 2418, 2416 (3)                               | 195 (3), 1293, 1296 (2), 1298, 1576 (3)   |
| 2017                                | $3^3$         | 27    | 61600   | 2414 (3), 2413 (6), 2418 (4)                 | 1118 (9), 1293 (8), 1294 (4), 1297, 1581 (18), 1582 (9), 1585 (3), 1590 (6), 1594 (3) |
| 2018                                | $3^3$         | 27    | 184800  | 2414, 2419 (4), 2417 (2), 2415 (4), 2413 (2) | 1119 (3), 1297, 1583 (3), 1588 (2), 1589, 1591 (2), 1595 (6), 1596 (3), 1597 (6)      |
| 2019                                | $3^{1+2}$     | 27    | 246400  | 2418, 2420 (3)                               | 1294, 1295 (2), 1298, 1584 (3), 1601 (9), 1602 (3)                                    |
| 2020                                | $3^{1+2}$     | 27    | 492800  | 2418, 2421 (3)                               | 1294, 1296 (2), 1299, 1577 (3)  |
| 2021                                | $3^3$         | 27    | 123200  | 2417 (3), 2419 (6), 2418 (4)                 | 1295 (4), 1296 (8), 1297, 1600 (3), 1608 (3), 1609 (9)                                |
| 2022                                | $3^3$         | 27    | 246400  | 2413 (3), 2418, 2419 (6), 2415, 2422, 2423   | 1297, 1298, 1299 (2), 1598 (9), 1603 (3), 1604 (3)                                    |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                              | Minimal Overgroups  |
| 2023                                | $3^{1+2}$        | 27    | 739200  | 2422, 2416 (2), 2420                           | 1298, 1586 (3), 1592, 1607 (3)  |
| 2024                                | $3^{1+2}$        | 27    | 739200  | 2423, 2416 (2), 2420                           | 1298, 1587 (3), 1593, 1606 (3)  |
| 2025                                | $3^3$            | 27    | 184800  | 2415 (4), 2416 (8), 2420                       | 1298 (4), 1599, 1605 (12)   |
| 2026                                | $3^{1+2}$        | 27    | 1478400 | 2422, 2412 (2), 2421                           | 1299, 1580  |
| 2027                                | $3^{1+2}$        | 27    | 1478400 | 2423, 2412 (2), 2421                           | 1299, 1579  |
| 2028                                | $3 \times 9$     | 27    | 1478400 | 2415, 2412 (2), 2421                           | 1299, 1578  |
| 2029                                | $5^2$            | 25    | 299376  | 2512 (2), 2511 (4)                             | 1610 (2), 1611, 1612 (4)  |
| 2030                                | $S_3 \times 2^2$ | 24    | 2494800 | 2404, 2398 (2), 2355 (2), 2389, 2373, 2456 (3) | 385 (2), 1196, 1417, 1617, 1638, 1678   |
| 2031                                | $S_3 \times 4$   | 24    | 2494800 | 2389, 2374, 2371, 2457 (3)                     | 386 (2), 1268, 1418, 1617, 1640, 1701   |
| 2032                                | $2^2 : S_3$      | 24    | 1663200 | 2357, 2440 (3), 2498 (4)                       | 397, 1240 (3), 1313, 1371, 1618 (3)   |
| 2033                                | $2^2 : S_3$      | 24    | 4989600 | 2356, 2428 (3), 2496 (4)                       | 398 (2), 1257, 1315 (2), 1391, 1406, 1676   |
| 2034                                | $A_4 \times 2$   | 24    | 9979200 | 2358, 2458, 2503 (4)                           | 404, 1147, 1178, 1209, 1210, 1211, 1308   |
| 2035                                | $A_4 \times 2$   | 24    | 1663200 | 2357, 2459, 2503 (4)                           | 407 (3), 1147 (3), 1207, 1208, 1314, 1388, 1618 (3)                                       |
| 2036                                | $2^2 : S_3$      | 24    | 4989600 | 2357, 2428 (3), 2495 (4)                       | 408, 1255, 1315, 1390, 1406 (2), 1618   |
| 2037                                | $2^2 : S_3$      | 24    | 2494800 | 2380, 2460 (3), 2496 (4)                       | 579, 582, 1244, 1257, 1277, 1620, 1622, 1626  |
| 2038                                | $2^2 : S_3$      | 24    | 1247400 | 2378, 2460 (3), 2494 (4)                       | 579 (2), 582 (2), 1253, 1621, 1623, 1625, 1699, 1700, 1705 (2)                            |
| 2039                                | $2^2 : S_3$      | 24    | 4989600 | 2379, 2438 (3), 2495 (4)                       | 580, 581, 1067 (2), 1255, 1624  |
| 2040                                | $2^2 : S_3$      | 24    | 13860   | 2377, 2454 (3), 2499 (4)                       | 592, 1077 (6), 1079 (36), 1312 (6), 1329 (20), 1331 (20), 1628 (15), 1630 (45), 1631 (15) |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups  |
| 2041                                | $2^2 : S_3$      | 24    | 13860   | 2382, 2454 (3), 2500 (4)                           | 592, 893 (12), 1080 (36), 1330 (20), 1332 (20), 1627 (15), 1629 (45), 1632 (15)       |
| 2042                                | $2^2 : S_3$      | 24    | 4989600 | 2379, 2443 (3), 2498 (4)                           | 601, 1065 (2), 1066 (2), 1240, 1624   |
| 2043                                | $S_3 \times 2^2$ | 24    | 3326400 | 2361 (3), 2353 (3), 2396, 2458 (3)                 | 706 (3), 707 (3), 1149 (3), 1308, 1323 (3)  |
| 2044                                | $S_3 \times 2^2$ | 24    | 2494800 | 2392, 2400, 2360 (2), 2362, 2367 (2), 2461 (3)     | 708 (4), 731, 1148 (2), 1161, 1325, 1346 (4), 1637, 1639, 1645                        |
| 2045                                | $S_3 \times 2^2$ | 24    | 277200  | 2363 (3), 2366 (3), 2394, 2459 (3)                 | 709 (3), 1151 (3), 1314 (2), 1340 (9), 1343, 1383, 1633 (3), 1636 (9), 1641 (3)       |
| 2046                                | $S_3 \times 2^2$ | 24    | 1247400 | 2366 (2), 2364 (2), 2387, 2363, 2384, 2453 (3)     | 710 (2), 1081 (2), 1153, 1341 (2), 1344 (2), 1633, 1634, 1635, 1669, 1674, 1707, 1713 |
| 2047                                | $S_3 \times 4$   | 24    | 2494800 | 2368, 2369, 2366, 2441 (3)                         | 714, 747 (2), 1082 (2), 1155, 1358, 1362, 1635, 1636, 1644                            |
| 2048                                | $S_3 \times 4$   | 24    | 2494800 | 2362, 2371, 2370, 2441 (3)                         | 715, 748 (2), 1154, 1362, 1637, 1640, 1643  |
| 2049                                | $S_3 \times 2^2$ | 24    | 2494800 | 2391, 2373, 2365 (2), 2362, 2355 (2), 2462 (3)     | 720, 1150, 1345 (4), 1395, 1637, 1638, 1642   |
| 2050                                | $S_3 \times 2^2$ | 24    | 2494800 | 2367, 2362, 2399, 2365, 2398, 2389, 2390, 2463 (3) | 721, 1152, 1190 (2), 1317, 1638, 1639, 1640   |
| 2051                                | $S_3 \times 2^2$ | 24    | 831600  | 2362 (3), 2401 (3), 2375, 2451 (3)                 | 723, 1156, 1175 (4), 1200 (2), 1349, 1380, 1639, 1642 (3), 1643 (3)                   |
| 2052                                | $S_3 \times 2^2$ | 24    | 277200  | 2366 (3), 2393 (3), 2386, 2451 (3)                 | 724, 1157 (3), 1348, 1353, 1354 (2), 1380 (3), 1634 (3), 1641 (3), 1644 (9)           |

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|-------------------------------------|------------------|-------|---------|--|---|
| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                              | Minimal Overgroups  |
| 2053                                | $S_3 \times 4$   | 24    | 831600  | 2381, 2369, 2366, 2450 (3)                     | 725, 1083 (6), 1158 (3), 1359, 1372 (3), 1635 (3), 1641, 1646 (3) |
| 2054                                | $S_3 \times 4$   | 24    | 2494800 | 2374, 2383, 2362, 2445 (3)                     | 726, 1084 (4), 1159, 1374, 1640, 1642, 1645                       |
| 2055                                | $S_3 \times 2^2$ | 24    | 2494800 | 2393, 2388, 2364 (2), 2366, 2402 (2), 2462 (3) | 732, 1160, 1345 (4), 1357, 1394, 1634, 1636, 1646                 |
| 2056                                | $S_3 \times 2^2$ | 24    | 831600  | 2387 (3), 2394, 2366 (3), 2453 (3)             | 733, 1162, 1344 (3), 1351, 1397, 1633, 1644 (3), 1646 (3)         |
| 2057                                | $S_3 \times 2^2$ | 24    | 831600  | 2362 (3), 2404 (3), 2395, 2453 (3)             | 734, 1163, 1350, 1397, 1638, 1643 (3), 1645 (3)                   |
| 2058                                | $Q_8 : 3$        | 24    | 415800  | 2435, 2501 (4)                                 | 738 (4), 1250, 1360 (4), 1647 (6), 1709 (3)                       |
| 2059                                | $2^2 : S_3$      | 24    | 1247400 | 2388, 2368, 2363, 2428 (3)                     | 740 (4), 1106 (2), 1167, 1364 (2), 1636 (2), 1669, 1713 (2)       |
| 2060                                | $D_{24}$         | 24    | 831600  | 2369, 2393, 2363, 2440 (3)                     | 744 (2), 1168 (3), 1361, 1386 (3), 1636 (3), 1641, 1707 (3)       |
| 2061                                | $D_8 \times 3$   | 24    | 2494800 | 2369, 2388, 2394, 2440                         | 746 (2), 1169, 1313 (2), 1361, 1373, 1396, 1636, 1646, 1689       |
| 2062                                | $D_{24}$         | 24    | 831600  | 2370, 2392, 2391, 2442 (3)                     | 752 (2), 1170 (3), 1363, 1637 (3), 1680, 1688 (3)                 |
| 2063                                | $D_8 \times 3$   | 24    | 2494800 | 2370, 2400, 2373, 2442                         | 753 (2), 1171, 1363, 1637, 1678, 1687                             |
| 2064                                | $Q_8 : 3$        | 24    | 4989600 | 2436, 2503 (4)                                 | 755, 1147, 1209 (2), 1210, 1213, 1616                             |
| 2065                                | $Q_8 : 3$        | 24    | 4989600 | 2439, 2503 (4)                                 | 756, 1147, 1209 (2), 1211, 1212, 1615                             |
| 2066                                | $2^2 : S_3$      | 24    | 2494800 | 2400, 2371, 2391, 2444 (3)                     | 762 (2), 1172, 1365, 1637, 1685, 1701                             |
| 2067                                | $2^2 : S_3$      | 24    | 2494800 | 2392, 2371, 2373, 2444 (3)                     | 763 (2), 1173, 1365, 1617, 1637, 1677                             |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups          | Minimal Overgroups   |
| 2068                                | $2^2 : S_3$    | 24    | 2494800 | 2368, 2393, 2394, 2428 (3) | 764 (2), 1174, 1315 (2), 1364, 1390, 1407, 1636, 1644, 1692  |
| 2069                                | $Q_8 \times 3$ | 24    | 415800  | 2372 (3), 2435             | 765 (4), 1248, 1360 (4), 1651 (6), 1716 (3)  |
| 2070                                | $Q_8 : 3$      | 24    | 1663200 | 2435, 2503 (4)             | 766, 1208, 1210 (3), 1212, 1360, 1613 (3)  |
| 2071                                | $Q_8 : 3$      | 24    | 1663200 | 2435, 2503 (4)             | 767, 1208, 1211 (3), 1213, 1360, 1614 (3)  |
| 2072                                | $D_{24}$       | 24    | 2494800 | 2402 (2), 2372, 2443 (3)   | 773 (2), 1264, 1619, 1651, 1718  |
| 2073                                | $4 \cdot S_3$  | 24    | 2494800 | 2372, 2425 (3)             | 774 (2), 1265, 1619, 1651, 1720  |
| 2074                                | $D_8 \times 3$ | 24    | 2494800 | 2374, 2375, 2373, 2448     | 892 (4), 1242, 1367, 1398 (2), 1399, 1617, 1642, 1687  |
| 2075                                | $2^2 : S_3$    | 24    | 166320  | 2385, 2454 (3), 2500 (4)   | 893, 1085 (6), 1239 (5), 1312, 1368 (10), 1653 (15)  |
| 2076                                | $A_4 \times 2$ | 24    | 415800  | 2378, 2447, 2501 (4)       | 894 (2), 1246, 1250, 1369 (4), 1655 (3), 1679, 1699 (3)  |
| 2077                                | $2^2 \times 6$ | 24    | 59400   | 2403 (7), 2447             | 895 (8), 1179, 1369 (28), 1690 (21)  |
| 2078                                | $A_4 \times 2$ | 24    | 3326400 | 2397, 2447, 2503 (4)       | 896, 897, 1178, 1197 (3), 1198, 1208, 1209 (3), 1369   |
| 2079                                | $2^2 : S_3$    | 24    | 415800  | 2378, 2464 (3), 2507 (4)   | 898 (2), 1245, 1370 (4), 1654 (3), 1679, 1700 (3)  |
| 2080                                | $2^2 : S_3$    | 24    | 207900  | 2377, 2448 (3), 2505 (4)   | 899 (16), 1086 (2), 1100 (12), 1367 (4), 1375 (4), 1379 (6), 1389 (12), 1630 (3), 1631, 1671 (6), 1721 (6), 1731 (3) |

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| Nr.                                 | Structure       | Order | Length  | Maximal Subgroups          | Minimal Overgroups  |
| 2081                                | $2^2 : S_3$     | 24    | 1247400 | 2378, 2465 (3), 2508 (4)   | 1068 (4), 1232, 1621, 1625, 1654, 1658, 1699, 1702 (2)  |
| 2082                                | $A_4 \times 2$  | 24    | 1247400 | 2378, 2466, 2509 (4)       | 1069 (4), 1233, 1621, 1625, 1655, 1658, 1700, 1703 (2)  |
| 2083                                | $2^2 : S_3$     | 24    | 2494800 | 2380, 2467 (3), 2497 (4)   | 1070 (2), 1234, 1259, 1278, 1620, 1656, 1684  |
| 2084                                | $A_4 \times 2$  | 24    | 2494800 | 2380, 2468, 2510 (4)       | 1071 (2), 1191, 1235, 1262, 1620, 1657, 1682  |
| 2085                                | $2^2 : S_3$     | 24    | 2494800 | 2380, 2469 (3), 2497 (4)   | 1072 (2), 1236, 1263, 1278, 1626, 1657, 1684  |
| 2086                                | $A_4 \times 2$  | 24    | 2494800 | 2380, 2470, 2510 (4)       | 1073 (2), 1191, 1237, 1260, 1626, 1656, 1682  |
| 2087                                | $2^2 : S_3$     | 24    | 415800  | 2378, 2471 (3), 2500 (4)   | 1074 (12), 1239, 1387 (4), 1623 (3), 1658 (3), 1679   |
| 2088                                | $2^2 : S_3$     | 24    | 2494800 | 2380, 2472 (3), 2497 (4)   | 1075 (2), 1076 (2), 1241, 1261, 1278, 1622, 1656, 1657  |
| 2089                                | $A_4 \times 2$  | 24    | 4989600 | 2359, 2473, 2510 (4)       | 1078 (2), 1191, 1683  |
| 2090                                | $2^2 \cdot S_3$ | 24    | 1247400 | 2368, 2384, 2381, 2441 (3) | 1087 (2), 1098 (2), 1270, 1358 (2), 1635, 1660, 1661, 1669, 1675, 1692, 1712  |
| 2091                                | $2^2 : S_3$     | 24    | 207900  | 2382, 2440 (3), 2507 (4)   | 1088 (2), 1371 (4), 1373 (4), 1627, 1662 (6), 1663 (3), 1691 (6), 1730 (3)  |
| 2092                                | $2 \times 12$   | 24    | 1247400 | 2369 (2), 2384, 2450       | 1089 (2), 1269, 1359 (2), 1635, 1668, 1675, 1689, 1707, 1714, 1717  |
| 2093                                | $A_4 \times 2$  | 24    | 103950  | 2377, 2451, 2506 (4)       | 1090 (4), 1092 (8), 1348 (8), 1349 (24), 1378 (4), 1628, 1630 (6), 1648 (3), 1649 (6), 1659, 1665, 1671 (6), 1672 (6), 1722 (3), 1731 (3), 1732 (3) |

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| Nr.                                 | Structure       | Order | Length  | Maximal Subgroups              | Minimal Overgroups   |
| 2094                                | $A_4 \times 2$  | 24    | 623700  | 2382, 2453, 2504 (4)           | 1091 (2), 1093 (4), 1350 (4), 1351 (4), 1629, 1650, 1652, 1662, 1663, 1664, 1666, 1667, 1670, 1673, 1681, 1710, 1723, 1733, 1734 |
| 2095                                | $2^2 : S_3$     | 24    | 207900  | 2382, 2429 (3), 2508 (4)       | 1094 (2), 1376 (4), 1377 (4), 1632, 1663 (3), 1670 (6), 1708 (3), 1729 (6)   |
| 2096                                | $2^2 \times 6$  | 24    | 415800  | 2384 (3), 2388 (3), 2386, 2451 | 1095 (2), 1252, 1353 (2), 1378, 1634, 1660, 1668 (3), 1669 (3), 1689 (3), 1698, 1706 (3)   |
| 2097                                | $A_4 \times 2$  | 24    | 831600  | 2385, 2451, 2504 (4)           | 1096 (2), 1251, 1354 (2), 1378, 1653 (3), 1696, 1704 (3)   |
| 2098                                | $2^2 \cdot S_3$ | 24    | 1247400 | 2368 (2), 2384, 2445 (3)       | 1097 (2), 1282, 1660, 1674, 1675, 1706, 1713, 1717, 1719   |
| 2099                                | $2 \times 12$   | 24    | 623700  | 2372 (2), 2384, 2452           | 1099 (4), 1283, 1661, 1668 (2), 1674 (2), 1715, 1716 (2), 1718, 1720 (2)   |
| 2100                                | $2^2 : S_3$     | 24    | 83160   | 2381, 2386, 2363, 2454 (3)     | 1101 (6), 1184 (5), 1312, 1385 (10), 1641 (10), 1669 (15)  |
| 2101                                | $2^2 : S_3$     | 24    | 2494800 | 2385, 2448 (3), 2494 (4)       | 1102 (2), 1253, 1379, 1403 (2), 1404 (4), 1653, 1704 (2)   |
| 2102                                | $2^2 : S_3$     | 24    | 1247400 | 2368, 2386, 2387, 2448 (3)     | 1103 (2), 1254, 1379, 1403 (4), 1405 (2), 1644 (2), 1669, 1706 (2)   |
| 2103                                | $2^2 : S_3$     | 24    | 623700  | 2382, 2428 (3), 2494 (4)       | 1104 (4), 1390 (4), 1391 (4), 1629, 1691 (2), 1708, 1729 (2), 1730, 1733 (2), 1734 (2)   |

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|-------------------------------------|------------------|-------|---------|------------------------------------|--|
| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                  | Minimal Overgroups   |
| 2104                                | $2^2 : S_3$      | 24    | 1247400 | 2388, 2381, 2387, 2455 (3)         | 1105 (2), 1274, 1412 (2), 1646 (2), 1669, 1712 (2)                       |
| 2105                                | $2^2 : S_3$      | 24    | 2494800 | 2383, 2401, 2373, 2474 (3)         | 1166, 1415, 1642, 1677, 1678   |
| 2106                                | $S_3 \times 2^2$ | 24    | 277200  | 2389 (3), 2392 (3), 2375, 2475 (3) | 1176 (6), 1182 (3), 1320 (2), 1321, 1381, 1617 (9), 1639 (3), 1680 (3)   |
| 2107                                | $2^2 \times 6$   | 24    | 831600  | 2390 (3), 2400 (3), 2375, 2475     | 1177 (2), 1205, 1206 (2), 1321, 1382, 1639, 1685 (3), 1687 (3)           |
| 2108                                | $A_4 \times 2$   | 24    | 1663200 | 2376, 2475, 2503 (4)               | 1178 (2), 1207, 1212, 1213, 1320, 1382, 1686 (3)                         |
| 2109                                | $S_3 \times 2^2$ | 24    | 277200  | 2391 (3), 2389 (3), 2395, 2476 (3) | 1181 (3), 1384, 1408, 1409 (2), 1638 (3), 1680 (3), 1701 (9)             |
| 2110                                | $S_3 \times 4$   | 24    | 831600  | 2383, 2389, 2370, 2477 (3)         | 1183 (3), 1414, 1640 (3), 1678 (3), 1680                                 |
| 2111                                | $2^2 : S_3$      | 24    | 831600  | 2383, 2391, 2375, 2448 (3)         | 1185 (3), 1375, 1399, 1642 (3), 1680, 1685 (3)                           |
| 2112                                | $D_8 \times 3$   | 24    | 831600  | 2370, 2375, 2395, 2454             | 1186 (3), 1331, 1332, 1393, 1643 (3), 1680, 1687 (3)                     |
| 2113                                | $D_8 \times 3$   | 24    | 831600  | 2369, 2386, 2394, 2454             | 1187 (3), 1329, 1330, 1368 (6), 1385 (3), 1393, 1641, 1644 (3), 1689 (3) |
| 2114                                | $2^2 : S_3$      | 24    | 831600  | 2392, 2383, 2395, 2429 (3)         | 1188 (3), 1376, 1400, 1645 (3), 1677 (3), 1680                           |
| 2115                                | $2^2 : S_3$      | 24    | 831600  | 2394, 2393, 2381, 2440 (3)         | 1189 (3), 1371, 1386 (3), 1396, 1641, 1646 (3), 1692 (3)                 |
| 2116                                | $A_4 \times 2$   | 24    | 2494800 | 2380, 2478, 2510 (4)               | 1191, 1192, 1193, 1194 (2), 1622, 1682, 1684                             |
| 2117                                | $A_4 \times 2$   | 24    | 1663200 | 2356, 2476, 2510 (4)               | 1192, 1392, 1409, 1676 (3)   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                                    | Minimal Overgroups  |
| 2118                                | $2^2 \times 6$   | 24    | 831600  | 2373 (3), 2390 (3),<br>2395, 2476                    | 1195, 1392, 1408,<br>1638, 1677 (3), 1687<br>(3)                                |
| 2119                                | $S_3 \times 2^2$ | 24    | 2494800 | 2399 (2), 2360 (2),<br>2400, 2401, 2389,<br>2479 (3) | 1203 (2), 1266, 1328,<br>1639, 1678, 1701                                       |
| 2120                                | $S_3 \times 2^2$ | 24    | 2494800 | 2398 (2), 2360 (2),<br>2392, 2401, 2390,<br>2479 (3) | 1204 (2), 1222, 1328,<br>1639, 1677, 1688                                       |
| 2121                                | $A_4 \times 2$   | 24    | 4989600 | 2379, 2480, 2503 (4)                                 | 1207, 1209 (2), 1210,<br>1211, 1624   |
| 2122                                | $S_3 \times 2^2$ | 24    | 2494800 | 2399 (2), 2391, 2390,<br>2355 (2), 2404, 2456<br>(3) | 1217 (2), 1218, 1417,<br>1638, 1685, 1688                                       |
| 2123                                | $2 \times 12$    | 24    | 2494800 | 2370, 2390, 2374,<br>2477                            | 1219, 1414, 1640,<br>1687, 1688   |
| 2124                                | $2^2 \cdot S_3$  | 24    | 2494800 | 2371, 2390, 2383,<br>2457 (3)                        | 1220, 1221 (2), 1418,<br>1640, 1677, 1685                                       |
| 2125                                | $D_8 \times 3$   | 24    | 1247400 | 2372, 2403 (2), 2464                                 | 1238, 1370 (4), 1619<br>(2), 1690 (2), 1716                                     |
| 2126                                | $2^2 : S_3$      | 24    | 1663200 | 2376, 2448 (3), 2498<br>(4)                          | 1240 (3), 1375, 1398,<br>1686 (3)   |
| 2127                                | $2^2 : S_3$      | 24    | 1663200 | 2356, 2429 (3), 2497<br>(4)                          | 1241 (3), 1376, 1401,<br>1676 (3)   |
| 2128                                | $D_8 \times 3$   | 24    | 2494800 | 2400, 2395, 2374,<br>2429                            | 1243, 1377, 1400,<br>1401 (2), 1645, 1687,<br>1701                              |
| 2129                                | $D_8 \times 3$   | 24    | 2494800 | 2372, 2403, 2384,<br>2471                            | 1247, 1387 (2), 1690,<br>1715, 1716   |
| 2130                                | $2^2 \times 6$   | 24    | 207900  | 2384 (3), 2394 (4),<br>2459                          | 1249, 1343 (4), 1388<br>(4), 1633, 1689 (6),<br>1692 (6), 1715 (3),<br>1719 (3) |
| 2131                                | $A_4 \times 2$   | 24    | 207900  | 2382, 2459, 2501 (4)                                 | 1250, 1383 (4), 1388<br>(4), 1627, 1681 (6),<br>1691 (6), 1708 (3),<br>1710 (3) |
| 2132                                | $A_4 \times 2$   | 24    | 1247400 | 2378, 2481, 2504 (4)                                 | 1251, 1623, 1654,<br>1655, 1697, 1702,<br>1703, 1705                            |
| 2133                                | $2^2 : S_3$      | 24    | 4989600 | 2376, 2448 (3), 2495<br>(4)                          | 1255, 1389, 1403 (2),<br>1404, 1686   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                            | Minimal Overgroups   |
| 2134                                | $2^2 : S_3$      | 24    | 2494800 | 2371, 2404, 2375, 2448 (3)                   | 1256, 1389, 1404 (2), 1405, 1617, 1643, 1685                                       |
| 2135                                | $2^2 : S_3$      | 24    | 2494800 | 2371, 2395, 2401, 2428 (3)                   | 1258, 1391, 1406 (2), 1407, 1643, 1677, 1701                                       |
| 2136                                | $S_3 \times 2^2$ | 24    | 1247400 | 2387 (2), 2384, 2402 (2), 2393 (2), 2462 (3) | 1267, 1357 (2), 1634, 1692, 1706, 1707, 1712, 1717, 1718                           |
| 2137                                | $D_{24}$         | 24    | 2494800 | 2374, 2391, 2401, 2474 (3)                   | 1271, 1415, 1642, 1688, 1701   |
| 2138                                | $D_{24}$         | 24    | 2494800 | 2401, 2404, 2370, 2455 (3)                   | 1272, 1413, 1643, 1678, 1688   |
| 2139                                | $D_{24}$         | 24    | 2494800 | 2393, 2387, 2369, 2455 (3)                   | 1273, 1412, 1413, 1644, 1646, 1707   |
| 2140                                | $D_{24}$         | 24    | 2494800 | 2392, 2374, 2404, 2444 (3)                   | 1275, 1416, 1617, 1645, 1688   |
| 2141                                | $2^2 : S_3$      | 24    | 2494800 | 2383, 2400, 2404, 2444 (3)                   | 1276, 1416, 1645, 1678, 1685   |
| 2142                                | $2 \times 12$    | 24    | 1247400 | 2403, 2372 (2), 2482                         | 1279, 1690, 1711 (2), 1716 (2)   |
| 2143                                | $2^2 \times 6$   | 24    | 623700  | 2384, 2388 (4), 2403 (2), 2483               | 1280, 1690 (2), 1698, 1711 (2), 1712 (2), 1713 (2), 1714, 1715                     |
| 2144                                | $2^2 : S_3$      | 24    | 2494800 | 2368, 2387, 2388, 2474 (3)                   | 1281, 1706, 1712, 1713   |
| 2145                                | $A_4 \times 2$   | 24    | 51975   | 2377, 2475, 2502 (4)                         | 1381 (16), 1382 (16), 1631 (4), 1721 (12), 1722 (12), 1728 (6), 1732 (3), 1736 (6) |
| 2146                                | $A_4 \times 2$   | 24    | 207900  | 2382, 2476, 2509 (4)                         | 1384 (4), 1392 (4), 1632, 1710 (3), 1723 (6), 1729 (6), 1730 (3)                   |
| 2147                                | $7 : 3$          | 21    | 95040   | 2493, 2530 (7)                               | 893 (2), 894 (10), 898 (5), 1139 (6), 1544 (10), 1738 (10), 1742 (15)              |
| 2148                                | 21               | 21    | 950400  | 2493, 2531                                   | 895 (4), 1292 (2), 1544, 1739, 1741, 1743  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups          | Minimal Overgroups  |
| 2149                                | $7 : 3$          | 21    | 1900800 | 2493, 2532 (7)             | 896 (2), 897 (2), 1291 (2), 1544, 1740  |
| 2150                                | $D_{10} \cdot 2$ | 20    | 5987520 | 2406, 2516 (5)             | 346, 627, 1065 (2), 1066 (2), 1074, 1075, 1076, 1145, 1744  |
| 2151                                | $D_{10} \cdot 2$ | 20    | 5987520 | 2406, 2514 (5)             | 348, 356, 629, 1067 (2), 1068, 1070, 1072, 1143, 1744   |
| 2152                                | $D_{20}$         | 20    | 5987520 | 2407, 2408, 2406, 2519 (5) | 350, 358, 380, 628, 1069, 1071, 1073, 1078 (2), 1144, 1744  |
| 2153                                | 20               | 20    | 1496880 | 2410, 2515                 | 882 (2), 1140 (2), 1570, 1745, 1752, 1755   |
| 2154                                | $Q_{20}$         | 20    | 1496880 | 2410, 2513 (5)             | 891 (2), 1142 (2), 1571, 1745, 1753, 1754   |
| 2155                                | $D_{10} \cdot 2$ | 20    | 498960  | 2409, 2513 (5)             | 1008 (8), 1086, 1094, 1142 (6), 1556 (4), 1561 (4), 1563 (3), 1747 (3), 1750 (6)                              |
| 2156                                | $D_{10} \cdot 2$ | 20    | 99792   | 2409, 2515 (5)             | 1077, 1088 (5), 1140 (6), 1558 (5), 1559 (10), 1746 (10), 1747 (15)   |
| 2157                                | $D_{20}$         | 20    | 498960  | 2411, 2410, 2409, 2520 (5) | 1090, 1091 (3), 1141 (6), 1553 (12), 1554 (6), 1562, 1745 (3), 1746, 1747 (3), 1748, 1749, 1750 (3), 1751 (3) |
| 2158                                | $D_{10} \cdot 2$ | 20    | 997920  | 2411, 2516 (5)             | 1145 (3), 1146 (3), 1572, 1749  |
| 2159                                | $2 \times 10$    | 20    | 498960  | 2410 (3), 2521             | 1552 (3), 1564, 1751, 1752 (3), 1754 (3)  |
| 2160                                | $D_{20}$         | 20    | 1496880 | 2411 (2), 2410, 2518 (5)   | 1555 (2), 1568, 1751, 1753, 1755  |
| 2161                                | $2 \times 10$    | 20    | 166320  | 2410 (3), 2517             | 1565, 1566 (2), 1567, 1748, 1752 (9), 1753 (9)  |
| 2162                                | $D_{20}$         | 20    | 498960  | 2411 (2), 2410, 2522 (5)   | 1569, 1748, 1754 (3), 1755 (3)  |

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| Nr.                                 | Structure      | Order | Length   | Maximal Subgroups    | Minimal Overgroups  |
| 2163                                | $D_{18}$       | 18    | 1478400  | 2421, 2498 (3)       | 481, 1577, 1578, 1579, 1580   |
| 2164                                | $S_3 \times 3$ | 18    | 277200   | 2414, 2508, 2509 (3) | 636 (6), 1591 (4), 1597 (4), 1761, 1765 (6), 1769 (3), 1770 (3), 1771 (6)                 |
| 2165                                | $S_3 \times 3$ | 18    | 1108800  | 2417, 2497, 2510 (3) | 637 (3), 1608, 1609, 1762, 1763 (3), 1772 (3)   |
| 2166                                | $S_3 \times 3$ | 18    | 1108800  | 2417, 2497, 2510 (3) | 638 (3), 1608, 1609, 1762, 1767 (3), 1772 (3)   |
| 2167                                | $S_3 \times 3$ | 18    | 13305600 | 2416, 2496, 2503 (3) | 668, 1308, 1576, 1605, 1606, 1607   |
| 2168                                | $S_3 \times 3$ | 18    | 2217600  | 2418, 2507, 2503 (3) | 669 (2), 1320, 1576 (2), 1581, 1602, 1603, 1808 (3)                                       |
| 2169                                | $S_3 \times 3$ | 18    | 277200   | 2414, 2507, 2501 (3) | 678 (2), 1581 (4), 1590 (4), 1759, 1769 (3), 1770 (3), 1811 (6), 1819 (6)                 |
| 2170                                | $S_3 \times 3$ | 18    | 1108800  | 2413, 2499, 2504 (3) | 883, 1064 (6), 1331, 1351 (3), 1354 (2), 1582, 1589, 1778 (3), 1780 (3), 1784             |
| 2171                                | $S_3 \times 3$ | 18    | 1108800  | 2413, 2500, 2506 (3) | 885, 1330, 1349 (3), 1368 (6), 1387 (6), 1583, 1585, 1778 (3), 1782, 1783 (3)             |
| 2172                                | $S_3 \times 3$ | 18    | 277200   | 2414, 2499, 2506 (3) | 886, 1329 (4), 1348 (4), 1582 (4), 1585 (4), 1775, 1776 (6), 1777 (6), 1788 (3), 1789 (3) |
| 2173                                | $S_3 \times 3$ | 18    | 1108800  | 2417, 2500, 2504 (3) | 889, 1332, 1350 (3), 1583, 1589, 1779 (3), 1785, 1786 (3)                                 |
| 2174                                | $S_3 \times 3$ | 18    | 1108800  | 2413, 2505, 2501 (3) | 1062 (6), 1367 (3), 1383, 1590, 1595, 1756 (3), 1780 (3), 1782                            |

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|-------------------------------------|----------------|-------|---------|------------------------------------|--|
| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                  | Minimal Overgroups   |
| 2175                                | $3 \times 6$   | 18    | 3326400 | 2413, 2501, 2503 (2), 2502         | 1063 (2), 1360 (2), 1369 (2), 1382, 1388, 1581, 1595, 1598 (2), 1780, 1783, 1800   |
| 2176                                | $3 \times 6$   | 18    | 415800  | 2414, 2506 (2), 2504 (2)           | 1284 (4), 1378 (4), 1582 (4), 1583 (4), 1770 (2), 1771 (2), 1776 (2), 1788 (2), 1790, 1791, 1793 (2), 1796, 1797 (2), 1801, 1803, 1810 (2), 1811 (2), 1813, 1820 |
| 2177                                | $3 : S_3$      | 18    | 9240    | 2414, 2499 (6), 2500 (6)           | 1285 (36), 1312 (12), 1585 (20), 1589 (20), 1759 (15), 1760 (45), 1761 (15), 1775 (15), 1781, 1796 (45), 1817 (15)   |
| 2178                                | $3 : S_3$      | 18    | 415800  | 2414, 2505 (6), 2494 (6)           | 1286 (4), 1379 (4), 1594 (4), 1596 (4), 1765 (2), 1766 (2), 1769 (2), 1777 (2), 1789 (2), 1796, 1803 (2), 1818 (2), 1819 (2), 1820 (2)                           |
| 2179                                | $S_3 \times 3$ | 18    | 2217600 | 2415, 2498, 2502 (3)               | 1313 (3), 1578 (2), 1588, 1598, 1599, 1799 (3)   |
| 2180                                | $S_3 \times 3$ | 18    | 2217600 | 2415, 2505, 2503 (3)               | 1314, 1595, 1603, 1605 (3), 1799 (3)   |
| 2181                                | $3 : S_3$      | 18    | 2217600 | 2415, 2505 (3), 2496 (6), 2495 (3) | 1315 (3), 1596 (3), 1604, 1605, 1799 (3)   |
| 2182                                | $S_3 \times 3$ | 18    | 1108800 | 2413, 2507, 2502 (3)               | 1370 (6), 1373 (3), 1381, 1581, 1588, 1756 (3), 1783 (3), 1784   |
| 2183                                | $3 : S_3$      | 18    | 369600  | 2413, 2505 (3), 2498 (6), 2507 (3) | 1371 (3), 1375 (3), 1588, 1590, 1603 (2), 1782 (3), 1784 (3), 1800 (9)   |

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|-------------------------------------|----------------|-------|---------|------------------------------------|--|
| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                  | Minimal Overgroups   |
| 2184                                | $3 : S_3$      | 18    | 184800  | 2417, 2508 (6), 2497 (6)           | 1376 (6), 1591 (2), 1608 (2), 1762 (6), 1785 (6), 1806 (9)             |
| 2185                                | $S_3 \times 3$ | 18    | 1108800 | 2417, 2508, 2509 (3)               | 1377 (3), 1384, 1591, 1597, 1785, 1786 (3), 1807 (3)                   |
| 2186                                | $3 : S_3$      | 18    | 3326400 | 2413, 2505 (3), 2495 (6), 2494 (3) | 1389, 1390, 1403 (2), 1594, 1596, 1604 (2), 1756, 1778, 1800           |
| 2187                                | $3 : S_3$      | 18    | 1663200 | 2417, 2494 (6), 2496 (6)           | 1391 (2), 1596 (2), 1600 (2), 1763, 1764, 1767, 1768, 1779, 1806, 1807 |
| 2188                                | $3 \times 6$   | 18    | 1663200 | 2417, 2509 (2), 2510 (2)           | 1392 (2), 1597 (2), 1609 (2), 1772 (2), 1786 (2), 1806                 |
| 2189                                | $S_3 \times 3$ | 18    | 2217600 | 2418, 2498, 2501 (3)               | 1398 (3), 1577 (2), 1584, 1590, 1598, 1808 (3)                         |
| 2190                                | $S_3 \times 3$ | 18    | 2217600 | 2419, 2497, 2509 (3)               | 1401 (3), 1591, 1609, 1809 (3)   |
| 2191                                | $3 : S_3$      | 18    | 2217600 | 2418, 2494 (9), 2495 (3)           | 1404 (3), 1594, 1600 (2), 1601, 1604, 1808 (3)                         |
| 2192                                | $3 : S_3$      | 18    | 6652800 | 2419, 2494 (3), 2495 (6), 2496 (3) | 1406, 1596, 1600, 1604 (2), 1809                                       |
| 2193                                | $S_3 \times 3$ | 18    | 2217600 | 2419, 2508, 2510 (3)               | 1409, 1597, 1608, 1809 (3)   |
| 2194                                | $S_3 \times 3$ | 18    | 2217600 | 2423, 2498, 2503 (3)               | 1579 (2), 1593, 1598, 1603, 1606 (3), 1815 (3)                         |
| 2195                                | $S_3 \times 3$ | 18    | 2217600 | 2422, 2498, 2503 (3)               | 1580 (2), 1592, 1598, 1603, 1607 (3), 1816 (3)                         |
| 2196                                | $3 : S_3$      | 18    | 184800  | 2420, 2498 (12)                    | 1584 (4), 1592 (4), 1593 (4), 1599, 1787 (3), 1814 (18)                |
| 2197                                | $3 : S_3$      | 18    | 554400  | 2422, 2495 (12)                    | 1586 (4), 1604 (4), 1774 (3), 1816 (6)                                 |
| 2198                                | $S_3 \times 3$ | 18    | 6652800 | 2420, 2495, 2503 (3)               | 1586, 1587, 1601, 1602, 1605, 1606, 1607, 1814                         |

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|-------------------------------------|----------------|-------|---------|---|---|
| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                       | Minimal Overgroups  |
| 2199                                | $3 : S_3$      | 18    | 554400  | 2423, 2495 (12)                         | 1587 (4), 1604 (4),<br>1773 (3), 1815 (6)   |
| 2200                                | $S_3 \times 3$ | 18    | 277200  | 2414, 2505, 2502 (3)                    | 1588 (4), 1595 (4),<br>1788 (3), 1789 (3),<br>1810 (6), 1817, 1818<br>(6)           |
| 2201                                | $8 : 2$        | 16    | 1871100 | 2433, 2437 (2)                          | 247 (2), 249 (2),<br>1822, 1823, 1825,<br>1826, 1827, 1922,<br>1944                 |
| 2202                                | $D_8 : 2$      | 16    | 935550  | 2424 (2), 2430 (2),<br>2433, 2436, 2431 | 248 (4), 1822 (2),<br>1824, 1826 (2), 1955,<br>1966, 1992 (2), 2001<br>(2)          |
| 2203                                | $D_8 : 2$      | 16    | 935550  | 2424 (2), 2430 (2),<br>2433, 2439, 2432 | 250 (4), 1823 (2),<br>1824, 1827 (2), 1955,<br>1968, 1992 (2), 2002<br>(2)          |
| 2204                                | $D_{16}$       | 16    | 3742200 | 2438, 2437, 2431                        | 254 (2), 350 (2),<br>1826, 1830, 1921   |
| 2205                                | $D_{16}$       | 16    | 3742200 | 2438, 2437, 2432                        | 255 (2), 358 (2),<br>1827, 1829, 1921   |
| 2206                                | $Q_8 : 2$      | 16    | 3742200 | 2443, 2425, 2435                        | 346 (2), 920 (4), 1613<br>(4), 1614 (4), 1647<br>(2), 1651 (2), 1828,<br>1878, 1891 |
| 2207                                | $Q_8 : 2$      | 16    | 3742200 | 2438, 2437, 2436                        | 348 (2), 922 (4), 1616<br>(4), 1826, 1829, 1957                                     |
| 2208                                | $Q_8 : 2$      | 16    | 3742200 | 2438, 2437, 2439                        | 356 (2), 921 (4), 1615<br>(4), 1827, 1830, 1957                                     |
| 2209                                | $D_{16}$       | 16    | 3742200 | 2443, 2425, 2426                        | 380 (2), 1828, 1832,<br>1999  |
| 2210                                | $8 : 2$        | 16    | 1871100 | 2452, 2425 (2)                          | 535 (4), 1720 (2),<br>1831, 1885, 1890,<br>1891, 1954, 1999,<br>2000                |
| 2211                                | $D_8 : 2$      | 16    | 935550  | 2452, 2427, 2424 (2),<br>2449 (2), 2426 | 536 (8), 1831 (2),<br>1943, 1955 (2), 1961,<br>1962 (2), 1980, 1999<br>(2)          |

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|-------------------------------------|------------------|-------|---------|--|---|
| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                        | Minimal Overgroups  |
| 2212                                | $D_{16}$         | 16    | 3742200 | 2443, 2425, 2464                         | 605 (2), 1619 (2), 1832, 1891, 1982   |
| 2213                                | $2 \times 4 : 2$ | 16    | 935550  | 2459, 2445 (2)                           | 917 (4), 1719 (2), 1834, 1840 (2), 1846 (2), 1849, 1884 (2), 1927, 1998 (2)                             |
| 2214                                | $D_8 \times 2$   | 16    | 467775  | 2459, 2424 (4), 2461, 2433               | 918 (8), 1824 (2), 1825 (2), 1834 (2), 1835 (2), 1839 (2), 1926, 1939 (2), 1961 (2), 1986 (2), 1998 (2) |
| 2215                                | $D_8 \times 2$   | 16    | 1871100 | 2424 (2), 2431, 2432, 2461, 2458, 2430   | 919 (8), 1824, 1851 (2), 1951, 1962, 2001, 2002   |
| 2216                                | $D_8 \times 2$   | 16    | 935550  | 2428 (2), 2434, 2429 (2), 2463, 2459     | 927 (4), 1708 (2), 1835, 1836 (2), 1846 (2), 1853, 1883 (2), 1937, 1986 (2)                             |
| 2217                                | $2 \times 4 : 2$ | 16    | 935550  | 2450, 2463, 2433                         | 929 (4), 1835, 1838 (2), 1843 (2), 1908, 1974, 1979 (2), 1985 (2)                                       |
| 2218                                | $2 \times 4 : 2$ | 16    | 935550  | 2451, 2433, 2434                         | 930 (4), 1648, 1835, 1841 (2), 1844 (2), 1896, 1908, 1917 (2), 1918 (2)                                 |
| 2219                                | $2^3 \cdot 2$    | 16    | 935550  | 2450, 2434, 2461                         | 931 (4), 1835, 1842 (2), 1845 (2), 1911, 1940 (2), 1959, 1985 (2)                                       |
| 2220                                | $D_8 \times 2$   | 16    | 1871100 | 2459, 2428 (2), 2440 (2), 2441, 2462     | 946 (2), 1618 (8), 1636 (4), 1691 (2), 1692 (2), 1836, 1839, 1840, 1846, 1852, 1879, 1889               |
| 2221                                | $D_8 \times 2$   | 16    | 1871100 | 2440, 2463, 2441, 2429, 2442, 2446, 2453 | 947 (2), 1663, 1836, 1837, 1838, 1853, 1858, 1859, 1905   |
| 2222                                | $4^2$            | 16    | 935550  | 2441 (2), 2433                           | 949 (4), 1822 (2), 1823 (2), 1838 (2), 1839, 1841 (2), 1932, 1934                                       |

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|-------------------------------------|----------------------|-------|---------|--------------------------------------|---|
| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                    | Minimal Overgroups  |
| 2223                                | $2^2 \times 4$       | 16    | 623700  | 2451, 2441 (3), 2445 (3)             | 951 (2), 1302 (4), 1649, 1660 (2), 1837, 1840 (3), 1841 (3), 1848 (3), 1854, 1907, 1910 (3) |
| 2224                                | $2 \times 4 \cdot 2$ | 16    | 1871100 | 2450, 2441, 2445                     | 952 (2), 1300 (4), 1675 (2), 1838, 1840, 1842, 1848, 1888, 1933, 1936                       |
| 2225                                | $D_8 \times 2$       | 16    | 1871100 | 2462, 2444 (2), 2441, 2442 (2), 2461 | 961 (2), 1637 (4), 1837, 1839, 1842, 1845, 1855, 1931, 1935                                 |
| 2226                                | $2^2 \times 4$       | 16    | 623700  | 2441 (3), 2434 (3), 2453             | 962 (2), 1650, 1836, 1841 (3), 1842 (3), 1856, 1859 (3), 1880, 1909 (3)                     |
| 2227                                | $D_8 \times 2$       | 16    | 935550  | 2462 (2), 2438 (4), 2433             | 968 (4), 1826 (2), 1827 (2), 1839, 1843 (2), 1844 (2), 1934, 1941                           |
| 2228                                | $2^3 \cdot 2$        | 16    | 1871100 | 2445, 2433, 2453                     | 993 (2), 1000 (2), 1652, 1834, 1838, 1841, 1843, 1844, 1881, 1897                           |
| 2229                                | $D_8 \times 2$       | 16    | 1871100 | 2429 (2), 2444 (2), 2453, 2461, 2445 | 999 (2), 1645 (4), 1670, 1834, 1837, 1842, 1845, 1855, 1862, 1883                           |
| 2230                                | $D_8 \times 2$       | 16    | 1871100 | 2428 (2), 2434, 2462, 2446 (2), 2453 | 1001 (2), 1734, 1836, 1844, 1845, 1856, 1879, 1909, 1912                                    |
| 2231                                | $D_8 \times 2$       | 16    | 1871100 | 2462, 2444 (2), 2445, 2446 (2), 2463 | 1002 (2), 1837, 1843, 1846, 1905, 1906, 1912, 1936  |
| 2232                                | $2^3 \cdot 2$        | 16    | 1871100 | 2450, 2445, 2462                     | 1004 (2), 1717 (2), 1840, 1843, 1845, 1861, 1888, 1936, 1958                                |
| 2233                                | $2 \times 4 \cdot 2$ | 16    | 1871100 | 2441, 2445, 2434                     | 1005 (2), 1841, 1845, 1846, 1859, 1909, 1910, 1933  |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                        | Minimal Overgroups   |
| 2234                                | $2 \times 4 : 2$ | 16    | 1871100 | 2462, 2434, 2445                         | 1006 (2), 1842, 1844, 1846, 1909, 1910, 1912, 1958   |
| 2235                                | $2^4$            | 16    | 44550   | 2481 (7), 2466 (7), 2447                 | 1107 (8), 1655 (28), 1847, 1863 (21), 1871 (21)  |
| 2236                                | $2^2 \times 4$   | 16    | 623700  | 2453, 2450 (3), 2441 (3)                 | 1301 (4), 1635 (6), 1667, 1838 (3), 1845 (3), 1848 (3), 1852, 1858, 1880, 1888 (3)                     |
| 2237                                | $4^2$            | 16    | 935550  | 2441 (2), 2452                           | 1303 (8), 1661 (2), 1831 (2), 1848 (2), 1859 (2), 1889, 1890 (2), 1932, 1935                           |
| 2238                                | $2^3 \cdot 2$    | 16    | 311850  | 2450, 2452, 2451                         | 1304 (8), 1659, 1668 (4), 1848 (6), 1860, 1861 (6), 1908 (3), 1911 (3)                                 |
| 2239                                | $D_8 \times 2$   | 16    | 1871100 | 2454, 2441, 2453, 2448, 2428, 2455, 2451 | 1305 (4), 1629, 1630, 1643 (4), 1644 (4), 1653 (4), 1669 (2), 1841, 1848, 1852, 1853, 1854, 1855, 1856 |
| 2240                                | $2 \times 4 : 2$ | 16    | 1871100 | 2453, 2445, 2452                         | 1306 (4), 1666, 1674 (2), 1848, 1849, 1859, 1861, 1862, 1881, 1912                                     |
| 2241                                | $2^4$            | 16    | 62370   | 2453 (10), 2459 (5)                      | 1307 (6), 1633 (10), 1681 (10), 1834 (15), 1836 (10), 1849 (15), 1850, 1852 (10)                       |
| 2242                                | $D_8 \times 2$   | 16    | 1871100 | 2448 (2), 2457, 2444 (2), 2475, 2456     | 1617 (4), 1685 (4), 1686 (8), 1721, 1855 (2), 1903 (2), 1906   |
| 2243                                | $D_8 \times 2$   | 16    | 1871100 | 2468, 2430, 2467, 2431, 2460, 2466, 2465 | 1620 (4), 1621 (2), 1851, 1870, 1871, 1966, 1983, 2002, 2003   |
| 2244                                | $D_8 \times 2$   | 16    | 1871100 | 2478, 2472, 2484, 2424, 2481, 2460, 2471 | 1622 (4), 1623 (2), 1851, 1863, 1869, 1926, 1943, 1987, 1992   |

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| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                                  | Minimal Overgroups   |
| 2245                                | $D_8 \times 2$ | 16    | 1871100 | 2443 (2), 2480 (2),<br>2438 (2), 2485              | 1624 (8), 1828, 1829,<br>1830, 1899, 1901,<br>1941, 1982   |
| 2246                                | $D_8 \times 2$ | 16    | 1871100 | 2470, 2432, 2469,<br>2430, 2460, 2465,<br>2466     | 1625 (2), 1626 (4),<br>1851, 1870, 1871,<br>1968, 1981, 2001,<br>2003  |
| 2247                                | $D_8 \times 2$ | 16    | 311850  | 2459, 2440 (2), 2450,<br>2451, 2454 (2)            | 1627 (2), 1628, 1641<br>(8), 1689 (4), 1835<br>(3), 1840 (6), 1852<br>(6), 1853 (3), 1860                    |
| 2248                                | $D_8 \times 2$ | 16    | 623700  | 2448, 2442, 2475,<br>2477, 2454, 2476,<br>2429     | 1631, 1632, 1680 (4),<br>1687 (4), 1853 (3),<br>1855 (6)   |
| 2249                                | $2^4$          | 16    | 207900  | 2453 (3), 2462 (9),<br>2451 (3)                    | 1634 (6), 1664, 1672,<br>1725 (2), 1837 (3),<br>1844 (9), 1852 (3),<br>1854 (3), 1856 (3),<br>1861 (9), 1872 |
| 2250                                | $2^4$          | 16    | 623700  | 2462 (3), 2456 (6),<br>2463 (3), 2476 (2),<br>2453 | 1638 (4), 1723, 1836,<br>1843 (3), 1855 (3),<br>1858, 1872, 1905 (3),<br>1912 (3)                            |
| 2251                                | $2^4$          | 16    | 311850  | 2451, 2479 (6), 2461<br>(3), 2475 (2), 2463<br>(3) | 1639 (8), 1722, 1835<br>(3), 1837 (2), 1855<br>(6), 1895, 1911 (3),<br>1916 (2), 1917 (6)                    |
| 2252                                | $2^2 \times 4$ | 16    | 1871100 | 2441, 2457 (2), 2445,<br>2477 (2), 2463            | 1640 (4), 1838, 1846,<br>1855, 1859, 1905,<br>1907, 1936   |
| 2253                                | $D_8 \times 2$ | 16    | 1871100 | 2451, 2474 (2), 2445,<br>2448 (2), 2462            | 1642 (4), 1671, 1704<br>(4), 1706 (2), 1840,<br>1844, 1854, 1855,<br>1861, 1906, 1910                        |
| 2254                                | $D_8 \times 2$ | 16    | 1871100 | 2450, 2455 (2), 2440<br>(2), 2453, 2462            | 1646 (4), 1662, 1707<br>(2), 1842, 1843,<br>1852, 1858, 1861,<br>1879, 1888                                  |
| 2255                                | $D_8 \times 2$ | 16    | 935550  | 2464, 2426, 2465 (2),<br>2481 (2), 2484            | 1654 (4), 1832 (2),<br>1833 (2), 1857, 1863<br>(2), 1870 (2), 1943,<br>1994                                  |

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|-------------------------------------|----------------|-------|---------|--|---|
| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                        | Minimal Overgroups  |
| 2256                                | $D_8 \times 2$ | 16    | 1871100 | 2470, 2449, 2472, 2431, 2467, 2458, 2426 | 1656 (4), 1851, 1870, 1877, 1950, 1962, 2001, 2003  |
| 2257                                | $D_8 \times 2$ | 16    | 1871100 | 2468, 2449, 2472, 2432, 2469, 2458, 2426 | 1657 (4), 1851, 1870, 1876, 1950, 1962, 2002, 2003  |
| 2258                                | $D_8 \times 2$ | 16    | 1871100 | 2461, 2449, 2424, 2426, 2471, 2466, 2465 | 1658 (2), 1851 (2), 1863, 1961, 1980, 2001, 2002  |
| 2259                                | $2^4$          | 16    | 17325   | 2483 (9), 2451 (6)                       | 1665 (2), 1694 (16), 1696 (16), 1698 (4), 1724 (2), 1854 (36), 1860 (9), 1868 (6), 1892 (18), 1895 (3), 1896 (27) |
| 2260                                | $2^4$          | 16    | 103950  | 2453 (6), 2486 (9)                       | 1673 (2), 1726 (2), 1850, 1856 (6), 1858 (6), 1862 (9), 1893 (6), 1894 (6), 1897 (9)                              |
| 2261                                | $D_8 \times 2$ | 16    | 3742200 | 2476, 2479, 2428, 2444, 2429, 2457, 2474 | 1676 (4), 1677 (2), 1701 (2), 1729, 1855, 1883, 1905  |
| 2262                                | $D_8 \times 2$ | 16    | 3742200 | 2455, 2479, 2444, 2477, 2456, 2474, 2442 | 1678 (2), 1688 (2), 1855, 1905, 1931  |
| 2263                                | $D_8 \times 2$ | 16    | 311850  | 2483, 2464 (2), 2471 (2), 2482, 2447     | 1679 (4), 1690 (4), 1863 (3), 1868, 1874, 1886, 1945 (3), 1972 (3), 1973 (3)                                      |
| 2264                                | $2^4$          | 16    | 155925  | 2461 (6), 2487 (6), 2478, 2468, 2470     | 1682 (16), 1851 (12), 1916 (3), 1939 (3), 1940 (6), 1942 (3)  |
| 2265                                | $2^4$          | 16    | 207900  | 2488 (9), 2473 (6)                       | 1683 (8), 1695 (4), 1727, 1864 (3), 1867 (3), 1914 (9)  |
| 2266                                | $D_8 \times 2$ | 16    | 1871100 | 2424 (2), 2489, 2487, 2478, 2469, 2467   | 1684 (4), 1851, 1869, 1939, 1951, 1955, 1987, 1992  |
| 2267                                | $2^4$          | 16    | 103950  | 2481 (3), 2487 (9), 2475 (3)             | 1693 (8), 1697 (4), 1728, 1847, 1857 (6), 1869 (6), 1915 (3), 1916 (3)  |

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|-------------------------------------|------------------|-------|---------|--|--|
| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                            | Minimal Overgroups   |
| 2268                                | $D_8 \times 2$   | 16    | 935550  | 2488, 2465 (2), 2460 (2), 2490, 2447         | 1699 (4), 1863, 1867 (2), 1871 (2), 1875 (2), 1945 (2), 1973 (2)   |
| 2269                                | $D_8 \times 2$   | 16    | 1871100 | 2488, 2449, 2472, 2465, 2460, 2466, 2464     | 1700 (2), 1863, 1870 (2), 1973, 1980, 1981, 1983   |
| 2270                                | $D_8 \times 2$   | 16    | 1871100 | 2465 (2), 2432, 2431, 2481, 2489, 2487       | 1702 (2), 1851, 1857, 1870, 1871, 1951, 1991, 1992   |
| 2271                                | $2^4$            | 16    | 311850  | 2487 (6), 2458 (6), 2466 (2), 2481           | 1703 (4), 1847, 1851 (6), 1870 (6), 1950 (3), 1951 (3)   |
| 2272                                | $D_8 \times 2$   | 16    | 1871100 | 2491, 2469, 2467, 2489, 2460 (2), 2481       | 1705 (2), 1869, 1870, 1871, 1977, 1987, 1991, 1994   |
| 2273                                | $Q_8 \times 2$   | 16    | 311850  | 2435, 2427 (3), 2484 (3)                     | 1709 (4), 1873, 1878 (6), 1882 (6), 1943 (3), 1993 (3)   |
| 2274                                | $2^4$            | 16    | 155925  | 2478 (3), 2453 (4), 2486 (3), 2476 (4), 2459 | 1710 (4), 1850, 1853 (6), 1872, 1879 (6), 1880, 1881 (6), 1883 (6), 1926 (3), 1927 (3), 1938 (3), 1939 (3) |
| 2275                                | $2 \times 4 : 2$ | 16    | 311850  | 2483, 2482 (2)                               | 1711 (4), 1868, 1886, 1887, 1952 (3), 1953 (3), 1970 (3), 1971 (3)   |
| 2276                                | $D_8 \times 2$   | 16    | 1871100 | 2455 (2), 2474 (2), 2441, 2483, 2462         | 1712 (2), 1854, 1888, 1889, 1905, 1909, 1931, 1934   |
| 2277                                | $D_8 \times 2$   | 16    | 1871100 | 2428 (2), 2474 (2), 2453, 2445, 2483         | 1713 (2), 1733, 1849, 1854, 1883, 1888, 1897, 1905, 1909   |
| 2278                                | $2 \times 4 : 2$ | 16    | 155925  | 2450 (2), 2483                               | 1714 (4), 1860, 1886 (2), 1888 (12), 1959 (3), 1960 (6), 1974 (3)  |
| 2279                                | $D_8 \times 2$   | 16    | 155925  | 2459, 2471 (4), 2452, 2483                   | 1715 (4), 1849 (6), 1860, 1874, 1884 (6), 1885 (6), 1887, 1889 (6), 1926 (3), 1928 (3), 1937 (3), 1961 (3) |

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|-------------------------------------|----------------|-------|---------|--|--|
| Nr.                                 | Structure      | Order | Length  | Maximal Subgroups                            | Minimal Overgroups   |
| 2280                                | $D_8 : 2$      | 16    | 311850  | 2452, 2482 (2), 2471 (2), 2435, 2464         | 1716 (4), 1874, 1890 (6), 1891 (6), 1943 (3), 1980 (3)                                       |
| 2281                                | $D_8 \times 2$ | 16    | 935550  | 2462 (2), 2443 (4), 2452                     | 1718 (2), 1861 (2), 1889, 1891 (2), 1912 (2), 1935, 1941, 1999 (2)                           |
| 2282                                | $D_8 \times 2$ | 16    | 1871100 | 2440, 2491, 2428, 2477, 2476, 2446, 2455     | 1730, 1853, 1879 (2), 1905 (2)   |
| 2283                                | $D_8 \times 2$ | 16    | 935550  | 2451, 2434, 2448 (2), 2446 (2), 2486         | 1731, 1853, 1856 (2), 1896, 1906 (2), 1910 (2), 1911, 1917 (2)                               |
| 2284                                | $2^4$          | 16    | 155925  | 2463 (6), 2478 (3), 2491 (3), 2451 (2), 2475 | 1732, 1853 (6), 1869 (4), 1872, 1895 (2), 1906 (6), 1907 (2), 1908 (6), 1916, 1918 (6), 1919 |
| 2285                                | $4^2$          | 16    | 623700  | 2485 (3)                                     | 1735, 1865, 1898 (3), 1899, 1900 (3), 1901, 1902 (3), 1913 (3)                               |
| 2286                                | $2^2 \times 4$ | 16    | 311850  | 2475, 2489 (3), 2484 (3)                     | 1736, 1857, 1869 (2), 1873, 1903 (6), 1904 (6), 1915 (2), 1919                               |
| 2287                                | $8 : 2$        | 16    | 1871100 | 2485, 2425 (2)                               | 1828, 1898, 1902, 1929, 1930, 1954, 1982   |
| 2288                                | $D_8 : 2$      | 16    | 935550  | 2472 (2), 2449 (2), 2485, 2435, 2426         | 1828 (2), 1876, 1877, 1900 (2), 1943, 1980 (2), 1993 (2)                                     |
| 2289                                | $8 : 2$        | 16    | 1871100 | 2485, 2437 (2)                               | 1829, 1830, 1900, 1913, 1929, 1930, 1944   |
| 2290                                | $D_8 : 2$      | 16    | 935550  | 2469 (2), 2449 (2), 2485, 2436, 2432         | 1829 (2), 1876, 1902 (2), 1955, 1981, 1991 (2), 2001 (2)                                     |
| 2291                                | $D_8 : 2$      | 16    | 935550  | 2467 (2), 2449 (2), 2485, 2439, 2431         | 1830 (2), 1877, 1898 (2), 1955, 1983, 1991 (2), 2002 (2)                                     |
| 2292                                | $D_8 \times 2$ | 16    | 1871100 | 2443 (2), 2438 (2), 2456 (2), 2484           | 1832, 1878, 1903, 1921, 1941, 1957, 1996   |

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|-------------------------------------|----------------------|-------|---------|--------------------------------------|--|
| Nr.                                 | Structure            | Order | Length  | Maximal Subgroups                    | Minimal Overgroups   |
| 2293                                | $2 \times 8$         | 16    | 1871100 | 2425 (2), 2484                       | 1832, 1878, 1904, 1920, 1954, 1956, 1997   |
| 2294                                | $2 \times 4 \cdot 2$ | 16    | 1871100 | 2457 (2), 2484                       | 1833, 1882, 1903, 1920, 1956, 1988, 1996   |
| 2295                                | $2 \times 8$         | 16    | 1871100 | 2484, 2437 (2)                       | 1833, 1882, 1904, 1921, 1944, 1957, 1997   |
| 2296                                | $D_8 \times 2$       | 16    | 935550  | 2484, 2432, 2487 (2), 2426 (2), 2431 | 1851 (2), 1857, 1920 (2), 1921 (2), 1950 (2), 1955, 1993                                       |
| 2297                                | $2^2 \times 4$       | 16    | 1871100 | 2484, 2430 (2), 2489, 2449 (2), 2487 | 1851, 1870, 1915, 1955, 1991, 1992, 1993   |
| 2298                                | $2^2 \times 4$       | 16    | 935550  | 2450, 2478, 2441 (2), 2477 (2), 2434 | 1853, 1879, 1880, 1907, 1908, 1931, 1932, 1933 (2), 1940, 1958, 1959, 1979, 1989, 1990         |
| 2299                                | $D_8 \times 2$       | 16    | 935550  | 2450, 2463, 2455 (2), 2442 (2), 2486 | 1853, 1858 (2), 1911, 1931 (2), 1936 (2), 1974, 1985 (2)                                       |
| 2300                                | $D_8 \times 2$       | 16    | 1871100 | 2455 (2), 2446 (2), 2486, 2441, 2462 | 1856, 1858, 1879, 1910, 1934, 1935, 1936   |
| 2301                                | $2^3 \cdot 2$        | 16    | 935550  | 2452, 2434, 2463                     | 1859 (2), 1908, 1911, 1912 (2), 1937, 1978 (2), 1984 (2)                                       |
| 2302                                | $2^3 \cdot 2$        | 16    | 935550  | 2445 (2), 2486                       | 1862, 1897, 1910 (2), 1927, 1936 (2), 1963 (2), 1965 (2)                                       |
| 2303                                | $D_8 \times 2$       | 16    | 467775  | 2452, 2472 (4), 2461, 2486           | 1862 (2), 1911 (2), 1926, 1935 (2), 1942 (2), 1962 (2), 1964 (2), 1980 (2), 1984 (2), 2000 (2) |
| 2304                                | $D_8 \times 2$       | 16    | 935550  | 2488, 2482, 2472 (2), 2426 (2), 2466 | 1863, 1914 (2), 1950 (2), 1952 (2), 1980 (2), 2003 (2)   |
| 2305                                | $D_8 \times 2$       | 16    | 935550  | 2483, 2465 (2), 2424 (2), 2490, 2466 | 1863, 1892, 1947, 1948, 1951 (2), 1952, 1960, 1961, 1966, 1967, 1968, 1969, 1970, 1973         |

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|-------------------------------------|------------------|-------|---------|--|--|
| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 2306                                | $2^4$            | 16    | 467775  | 2479 (4), 2463 (4), 2483, 2481 (2), 2478, 2488 (2), 2461   | 1863 (2), 1864, 1883 (2), 1895, 1916, 1926, 1931 (2), 1949 (2), 1951 (2), 1953 (2), 1959, 1976, 1977, 1978 (2), 1979 (2) |
| 2307                                | $2^2 \times 4$   | 16    | 935550  | 2482, 2484 (2), 2490, 2449 (2), 2481                       | 1863, 1915, 1943 (2), 1946 (2), 1950, 1953 (2), 1991 (2)   |
| 2308                                | $2^4$            | 16    | 467775  | 2479 (4), 2491 (4), 2463 (2), 2488 (4), 2483               | 1864 (2), 1895, 1905 (4), 1937, 1945 (2), 1947 (2), 1948 (2), 1952 (2), 1974, 1975 (2)                                   |
| 2309                                | $2^4$            | 16    | 935550  | 2487 (4), 2473 (4), 2479 (4), 2461, 2463 (2)               | 1864, 1916 (2), 1984, 1985 (2), 1986   |
| 2310                                | $2^4$            | 16    | 935550  | 2487, 2488 (2), 2479 (4), 2473 (4), 2481, 2470, 2491, 2468 | 1864 (2), 1870 (2), 1871, 1916, 1946 (2), 1950, 1987 (2)   |
| 2311                                | $2^2 \times 4$   | 16    | 467775  | 2452, 2484 (2), 2433, 2478, 2485 (2)                       | 1865, 1881 (2), 1908 (2), 1919, 1926, 1932, 1941, 1942, 1943 (2), 1944 (2), 1954 (2), 1955 (2), 1978 (2), 1988, 1989 (2) |
| 2312                                | $2^2 \times 4$   | 16    | 935550  | 2445 (2), 2434 (2), 2457 (2), 2478                         | 1866, 1881, 1883, 1906, 1907, 1918, 1927, 1933, 1940, 1958, 1976, 1978, 1988, 1990, 1995                                 |
| 2313                                | $2 \times 4 : 2$ | 16    | 1871100 | 2488, 2490 (2)   | 1867, 1914, 1946 (2), 1947, 1948, 1949   |
| 2314                                | $D_8 \times 2$   | 16    | 1871100 | 2491, 2487, 2467, 2469, 2472 (2), 2484                     | 1869, 1870, 1942, 1950, 1987, 1991, 1993   |
| 2315                                | $D_8 \times 2$   | 16    | 1871100 | 2469, 2458, 2467, 2430, 2488, 2465 (2)                     | 1870 (2), 1875, 1951, 2001, 2002, 2003   |
| 2316                                | $D_8 \times 2$   | 16    | 935550  | 2467 (2), 2432 (2), 2488, 2466, 2490                       | 1871, 1914 (2), 1947 (2), 1950, 1951, 1981 (2), 2002 (2)   |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups  | Minimal Overgroups   |
| 2317                                | $D_8 \times 2$   | 16    | 935550  | 2469 (2), 2431 (2),<br>2488, 2490, 2466                      | 1871, 1914 (2), 1948<br>(2), 1950, 1951, 1983<br>(2), 2001 (2)                                     |
| 2318                                | $2^2 \times 4$   | 16    | 935550  | 2489 (2), 2430 (2),<br>2481, 2490 (2)                        | 1871, 1915, 1946 (2),<br>1949 (2), 1951, 1992<br>(2), 1994 (2)                                     |
| 2319                                | $2^4$            | 16    | 467775  | 2491 (2), 2462 (4),<br>2456 (4), 2480 (2),<br>2486 (2), 2478 | 1872, 1879 (2), 1906<br>(2), 1931 (2), 1941<br>(2), 1942, 1958 (2),<br>1977, 1987 (4), 1995<br>(2) |
| 2320                                | $Q_8 \times 2$   | 16    | 935550  | 2489 (2), 2439, 2436,<br>2484, 2427 (2)                      | 1873, 1955, 1956 (2),<br>1957 (2), 1991 (2),<br>1992 (2), 1994                                     |
| 2321                                | $D_8 \times 2$   | 16    | 1871100 | 2480, 2492, 2469,<br>2467, 2460 (2), 2488                    | 1875, 1977, 1981,<br>1983, 1987 (2), 2003  |
| 2322                                | $D_8 : 2$        | 16    | 1871100 | 2467, 2436, 2492,<br>2430, 2460, 2490,<br>2465               | 1875, 1966, 1981,<br>1991, 1992, 1994,<br>2001   |
| 2323                                | $D_8 : 2$        | 16    | 1871100 | 2492, 2439, 2469,<br>2430, 2460, 2465,<br>2490               | 1875, 1968, 1983,<br>1991, 1992, 1994,<br>2002   |
| 2324                                | $D_8 \times 2$   | 16    | 935550  | 2480, 2468, 2469 (2),<br>2472 (2), 2485                      | 1876, 1901 (2), 1930<br>(2), 1942, 1983, 1987<br>(2), 2003 (2)                                     |
| 2325                                | $D_8 \times 2$   | 16    | 935550  | 2480, 2470, 2467 (2),<br>2472 (2), 2485                      | 1877, 1899 (2), 1929<br>(2), 1942, 1981, 1987<br>(2), 2003 (2)                                     |
| 2326                                | $D_8 \cdot 2$    | 16    | 3742200 | 2443, 2427, 2425   | 1878, 1982, 1999   |
| 2327                                | $D_8 \times 2$   | 16    | 1871100 | 2474 (2), 2444 (2),<br>2486, 2434, 2463                      | 1883, 1906, 1917,<br>1931, 1975, 1984,<br>1985   |
| 2328                                | $2 \times 4 : 2$ | 16    | 935550  | 2483, 2490 (2)   | 1892, 1923, 1925,<br>1928, 1945, 1947,<br>1948, 1949 (2), 1953,<br>1960, 1967, 1969,<br>1971, 1972 |
| 2329                                | $2 \times 4 : 2$ | 16    | 1871100 | 2486, 2492 (2)   | 1893, 1894, 1924,<br>1938, 1963, 1964,<br>1965   |
| 2330                                | $D_8 \times 2$   | 16    | 935550  | 2486, 2467 (2), 2424<br>(2), 2492, 2468                      | 1893 (2), 1939, 1962,<br>1965 (2), 1966, 1987<br>(2), 2002 (2)                                     |

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| Nr.                                 | Structure        | Order | Length  | Maximal Subgroups                        | Minimal Overgroups   |
| 2331                                | $D_8 \times 2$   | 16    | 935550  | 2486, 2469 (2), 2424 (2), 2492, 2470     | 1894 (2), 1939, 1962, 1963 (2), 1968, 1987 (2), 2001 (2)   |
| 2332                                | $2 \times 4 : 2$ | 16    | 467775  | 2483, 2434 (2)                           | 1896, 1909 (4), 1937, 1959, 1967 (2), 1969 (2), 1970 (2), 1972 (2), 1975 (2), 1976 (2)                                   |
| 2333                                | $D_8 \times 2$   | 16    | 467775  | 2483, 2460 (4), 2433, 2486               | 1896, 1897 (2), 1922 (2), 1923, 1924 (2), 1925, 1926, 1934 (2), 1966, 1968, 1971 (2), 1973 (2), 1974, 1975 (2), 1977 (2) |
| 2334                                | $2^3 \cdot 2$    | 16    | 3742200 | 2457, 2489, 2456                         | 1903, 1995, 1996   |
| 2335                                | $D_8 \times 2$   | 16    | 1871100 | 2474 (2), 2456, 2457, 2446 (2), 2491     | 1905 (2), 1906, 1996 (2)   |
| 2336                                | $D_8 : 2$        | 16    | 935550  | 2460 (2), 2490 (2), 2485, 2427, 2464     | 1913 (2), 1943, 1973 (2), 1981, 1982 (2), 1983, 1994 (2)   |
| 2337                                | $2 \times 4 : 2$ | 16    | 1871100 | 2488, 2490, 2482                         | 1914 (2), 1945, 1946 (2), 1952, 1953   |
| 2338                                | $2^3 \cdot 2$    | 16    | 935550  | 2434 (2), 2461                           | 1917 (2), 1940 (2), 1976, 1984, 1986   |
| 2339                                | $2 \times 4 : 2$ | 16    | 1871100 | 2463, 2433, 2434                         | 1917, 1918, 1975, 1978, 1979, 1985, 1986   |
| 2340                                | $D_8 \times 2$   | 16    | 935550  | 2486, 2467 (2), 2433, 2461, 2469 (2)     | 1917 (2), 1939, 1942, 1977, 1985 (2), 2001 (2), 2002 (2)   |
| 2341                                | $2^2 \times 4$   | 16    | 467775  | 2478, 2492 (2), 2433 (2), 2489 (2)       | 1918 (2), 1919, 1938 (2), 1939, 1977, 1979 (2), 1989 (2), 1990 (2), 1992 (4), 1995 (2)                                   |
| 2342                                | $2^2 \times 4$   | 16    | 935550  | 2491, 2489, 2492 (2), 2485 (2), 2484     | 1919, 1987 (2), 1991 (2), 1993, 1994, 1996 (2), 1997 (2)   |
| 2343                                | $D_8 \times 2$   | 16    | 1871100 | 2486, 2485, 2424, 2472, 2471, 2488, 2460 | 1926, 1973, 1980, 1987 (2), 2001, 2002   |

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|-------------------------------------|-----------|-------|----------|--|--|
| Nr.                                 | Structure | Order | Length   | Maximal Subgroups                        | Minimal Overgroups   |
| 2344                                | $D_8 : 2$ | 16    | 1871100  | 2424, 2465, 2471, 2427, 2433, 2449, 2490 | 1943, 1961, 1973, 1992 (2), 2001, 2002   |
| 2345                                | $D_8 : 2$ | 16    | 1871100  | 2485, 2427, 2472, 2449, 2460, 2465, 2482 | 1943, 1973, 1980, 1991 (2), 2003 (2)   |
| 2346                                | $D_8 : 2$ | 16    | 1871100  | 2485, 2426, 2469, 2430 (2), 2467, 2427   | 1955, 1993, 1994, 2001, 2002, 2003 (2)   |
| 2347                                | $D_8 : 2$ | 16    | 1871100  | 2467, 2430, 2492, 2432, 2472, 2427, 2449 | 1962, 1981, 1991, 1992, 1993, 2002, 2003   |
| 2348                                | $D_8 : 2$ | 16    | 1871100  | 2469, 2449, 2472, 2430, 2492, 2431, 2427 | 1962, 1983, 1991, 1992, 1993, 2001, 2003   |
| 2349                                | 15        | 15    | 665280   | 2512, 2530                               | 1139 (6), 1564 (3), 1566 (2), 1737, 2004 (3), 2006, 2009 (3)   |
| 2350                                | 15        | 15    | 166320   | 2512, 2531                               | 1565 (4), 1737 (4), 2005 (6), 2007, 2008 (6), 2010 (3), 2011 (3)   |
| 2351                                | $D_{14}$  | 14    | 950400   | 2493, 2534 (7)                           | 481 (2), 1738, 1739, 1740 (2), 1743 (3), 2014 (3)  |
| 2352                                | 14        | 14    | 1425600  | 2493, 2535                               | 1107 (2), 1419 (2), 1741 (2), 1742, 2012, 2013, 2014   |
| 2353                                | $D_{12}$  | 12    | 3326400  | 2510, 2497 (2), 2523 (3)                 | 393 (6), 1656 (3), 1657 (3), 1684 (3), 1762 (2), 1772, 2043 (3)  |
| 2354                                | $D_{12}$  | 12    | 19958400 | 2503, 2498, 2495, 2524 (3)               | 394, 395, 1065, 1066, 1067, 1613, 1614, 1615, 1616, 1618, 1624, 1686, 1799, 1800, 1808, 1814, 1815, 1816 |
| 2355                                | $D_{12}$  | 12    | 4989600  | 2507, 2501, 2494, 2524 (3)               | 605 (2), 1647 (2), 1691, 1756 (2), 1800 (2), 1808 (4), 1819, 2030, 2049, 2122                            |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups             | Minimal Overgroups  |
| 2356                                | $A_4$     | 12    | 554400  | 2521, 2533 (4)                | 609 (6), 1726 (3),<br>1757 (2), 1798, 1812,<br>2033 (9), 2117 (3),<br>2127 (3)  |
| 2357                                | $A_4$     | 12    | 554400  | 2521, 2532 (4)                | 614 (3), 1725 (3),<br>1757, 1794, 1812 (2),<br>2032 (3), 2035 (3),<br>2036 (9)  |
| 2358                                | $A_4$     | 12    | 3326400 | 2523, 2532 (4)                | 616, 1693 (3), 1695<br>(2), 1758, 2034 (3)  |
| 2359                                | $A_4$     | 12    | 1663200 | 2523, 2533 (4)                | 618 (4), 1550 (6),<br>1727, 1758 (4), 2089<br>(3)   |
| 2360                                | $D_{12}$  | 12    | 4989600 | 2509, 2508, 2494,<br>2519 (3) | 1068 (2), 1069 (2),<br>1621, 1625, 1729,<br>1765, 1806 (2), 1807<br>(2), 1809 (4), 2044,<br>2119, 2120                                |
| 2361                                | $D_{12}$  | 12    | 9979200 | 2510, 2497, 2496,<br>2519 (3) | 1070, 1071, 1072,<br>1073, 1075, 1076,<br>1078 (2), 1620, 1622,<br>1626, 1676 (2), 1763,<br>1767, 1806, 1809 (2),<br>2043             |
| 2362                                | $D_{12}$  | 12    | 2494800 | 2494, 2500, 2504,<br>2520 (3) | 1074 (4), 1091, 1553<br>(4), 1623 (2), 1629,<br>1653 (4), 1778 (4),<br>1779 (4), 1796, 2044,<br>2048, 2049, 2050,<br>2051, 2054, 2057 |
| 2363                                | $D_{12}$  | 12    | 83160   | 2506, 2499 (2), 2521<br>(3)   | 1077 (2), 1552 (6),<br>1628 (5), 1775 (10),<br>1776 (10), 2045 (10),<br>2046 (15), 2059 (15),<br>2060 (10), 2100                      |
| 2364                                | $D_{12}$  | 12    | 831600  | 2502, 2505, 2499,<br>2518 (3) | 1086, 1289 (8), 1555<br>(6), 1631, 1780 (4),<br>1784 (4), 1789 (3),<br>1817, 2046 (3), 2055<br>(6)                                    |

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|-------------------------------------|--------------|-------|---------|----------------------------|---|
| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups          | Minimal Overgroups  |
| 2365                                | $D_{12}$     | 12    | 831600  | 2501, 2507, 2500, 2522 (3) | 1088, 1627, 1679 (2), 1759, 1782 (4), 1783 (4), 2049 (6), 2050 (3)  |
| 2366                                | $D_{12}$     | 12    | 831600  | 2505, 2506, 2499, 2520 (3) | 1090, 1554 (6), 1630 (3), 1777 (6), 1778 (12), 1788, 1796 (3), 2045, 2046 (3), 2047 (3), 2052, 2053, 2055 (3), 2056 (3) |
| 2367                                | $D_{12}$     | 12    | 831600  | 2509, 2508, 2500, 2525 (3) | 1094, 1632, 1658 (6), 1761, 1785 (4), 1786 (4), 2044 (6), 2050 (3)  |
| 2368                                | $Q_{12}$     | 12    | 1247400 | 2506, 2513 (3)             | 1109 (4), 1563 (2), 1571 (2), 1648, 1791 (2), 2047 (2), 2059, 2068 (2), 2090, 2098 (2), 2102, 2144 (2)                  |
| 2369                                | 12           | 12    | 831600  | 2506, 2515                 | 1111 (2), 1559 (6), 1649 (3), 1790, 1793 (3), 2047 (3), 2053, 2060, 2061 (3), 2092 (3), 2113, 2139 (3)                  |
| 2370                                | 12           | 12    | 831600  | 2504, 2515                 | 1117 (2), 1650 (3), 1790, 2048 (3), 2062, 2063 (3), 2110, 2112, 2123 (3), 2138 (3)                                      |
| 2371                                | $Q_{12}$     | 12    | 2494800 | 2504, 2513 (3)             | 1129 (2), 1652, 1791, 2031, 2048, 2066, 2067, 2124, 2134, 2135  |
| 2372                                | 12           | 12    | 1247400 | 2502, 2516                 | 1138 (4), 1572 (4), 1736, 2069, 2072 (2), 2073 (2), 2099, 2125, 2129 (2), 2142 (2)                                      |
| 2373                                | $2 \times 6$ | 12    | 2494800 | 2501 (2), 2504, 2518       | 1287 (4), 1681, 1780 (4), 1811, 2030, 2049, 2063, 2067, 2074, 2105, 2118  |

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|-------------------------------------|--------------|-------|---------|-------------------|---|
| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups | Minimal Overgroups  |
| 2374                                | 12           | 12    | 2494800 | 2504, 2513        | 1288 (4), 1556 (4), 1667, 1797, 2031, 2054, 2074, 2123, 2128, 2137, 2140  |
| 2375                                | $2 \times 6$ | 12    | 277200  | 2504 (3), 2517    | 1290 (12), 1664 (3), 1696 (4), 1697 (6), 1792, 1801, 1804 (2), 2051 (3), 2074 (9), 2106, 2107 (3), 2111 (3), 2112 (3), 2134 (9) |
| 2376                                | $A_4$        | 12    | 554400  | 2517, 2532 (4)    | 1291 (12), 1693 (6), 1694 (4), 1725 (3), 1792, 1802 (2), 1804, 2108 (3), 2126 (3), 2133 (9)                                     |
| 2377                                | $A_4$        | 12    | 495     | 2517, 2531 (4)    | 1292 (960), 1557 (8), 1565 (336), 1792 (560), 1795 (56), 2040 (28), 2080 (420), 2093 (210), 2145 (105)                          |
| 2378                                | $A_4$        | 12    | 415800  | 2526, 2530 (4)    | 1545 (12), 1724, 1805 (4), 2038 (3), 2076, 2079, 2081 (3), 2082 (3), 2087, 2132 (3)   |
| 2379                                | $A_4$        | 12    | 4989600 | 2524, 2532 (4)    | 1546 (2), 1547 (2), 1551 (2), 1725, 2039, 2042, 2121  |
| 2380                                | $A_4$        | 12    | 2494800 | 2527, 2533 (4)    | 1548 (2), 1549 (2), 1726, 1727, 1735, 2037, 2083, 2084, 2085, 2086, 2088, 2116  |
| 2381                                | $Q_{12}$     | 12    | 83160   | 2506, 2515 (3)    | 1558 (10), 1570 (6), 1659 (5), 1793 (10), 2053 (10), 2090 (15), 2100, 2104 (15), 2115 (10)                                      |

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|-------------------------------------|--------------|-------|---------|----------------------------|---|
| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups          | Minimal Overgroups  |
| 2382                                | $A_4$        | 12    | 13860   | 2521, 2530 (4)             | 1560 (2), 1564 (36), 1794 (20), 1798 (20), 2041, 2091 (15), 2094 (45), 2095 (15), 2103 (45), 2131 (15), 2146 (15) |
| 2383                                | $Q_{12}$     | 12    | 831600  | 2504, 2513 (3)             | 1561 (4), 1666 (3), 1797, 2054 (3), 2105 (3), 2110, 2111, 2114, 2124 (3), 2141 (3)                                |
| 2384                                | $2 \times 6$ | 12    | 623700  | 2502, 2506 (2), 2520       | 1562 (4), 1732, 1788 (4), 2046 (2), 2090 (2), 2092 (2), 2096 (2), 2098 (2), 2099, 2129 (4), 2130, 2136 (2), 2143  |
| 2385                                | $A_4$        | 12    | 55440   | 2517, 2530 (4)             | 1566 (6), 1724 (5), 1795, 1802 (10), 1804 (20), 2075 (3), 2097 (15), 2101 (45)                                    |
| 2386                                | $2 \times 6$ | 12    | 27720   | 2506 (3), 2517             | 1567 (6), 1665 (5), 1795, 1801 (10), 1802 (20), 2052 (10), 2096 (15), 2100 (3), 2102 (45), 2113 (30)              |
| 2387                                | $D_{12}$     | 12    | 1247400 | 2505 (2), 2506, 2518 (3)   | 1568 (2), 1731, 1789 (2), 1820 (2), 2046, 2056 (2), 2102, 2104, 2136 (2), 2139 (2), 2144 (2)                      |
| 2388                                | $2 \times 6$ | 12    | 1247400 | 2502 (2), 2506, 2522       | 1569 (2), 1722, 1783 (8), 1810 (2), 2055 (2), 2059, 2061 (2), 2096, 2104, 2143 (2), 2144 (2)                      |
| 2389                                | $D_{12}$     | 12    | 831600  | 2508, 2504, 2507, 2528 (3) | 1654 (6), 1663 (3), 1770, 2030 (3), 2031 (3), 2050 (3), 2106, 2109, 2110, 2119 (3)                                |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups          | Minimal Overgroups   |
| 2390                                | $2 \times 6$ | 12    | 2494800 | 2509, 2504, 2501, 2528     | 1655 (2), 1709 (2), 1710, 1770, 2050, 2107, 2118, 2120, 2122, 2123, 2124                                   |
| 2391                                | $D_{12}$     | 12    | 831600  | 2507 (2), 2504, 2518 (3)   | 1662 (3), 1784 (4), 1811, 2049 (3), 2062, 2066 (3), 2109, 2111, 2122 (3), 2137 (3)                         |
| 2392                                | $D_{12}$     | 12    | 831600  | 2508 (2), 2504, 2525 (3)   | 1670 (3), 1702 (6), 1771, 1785 (4), 2044 (3), 2062, 2067 (3), 2106, 2114, 2120 (3), 2140 (3)               |
| 2393                                | $D_{12}$     | 12    | 831600  | 2505 (2), 2506, 2522 (3)   | 1671 (3), 1782 (4), 1803 (3), 1810, 2052, 2055 (3), 2060, 2068 (3), 2115, 2136 (3), 2139 (3)               |
| 2394                                | $2 \times 6$ | 12    | 277200  | 2506 (3), 2521             | 1672 (3), 1757 (2), 1776 (9), 1794, 1813, 2045, 2056 (3), 2061 (9), 2068 (9), 2113 (3), 2115 (3), 2130 (3) |
| 2395                                | $2 \times 6$ | 12    | 277200  | 2504 (3), 2521             | 1673 (3), 1798, 1812 (2), 1813, 2057 (3), 2109, 2112 (3), 2114 (3), 2118 (3), 2128 (9), 2135 (9)           |
| 2396                                | $2 \times 6$ | 12    | 3326400 | 2510 (3), 2523             | 1682 (3), 1683 (2), 1758, 1772 (3), 2043   |
| 2397                                | $A_4$        | 12    | 3326400 | 2526, 2532 (4)             | 1693, 1694, 1695 (3), 1805, 2078   |
| 2398                                | $D_{12}$     | 12    | 2494800 | 2508, 2501, 2494, 2529 (3) | 1699 (2), 1708, 1769, 2030 (2), 2050, 2120 (2)   |
| 2399                                | $D_{12}$     | 12    | 2494800 | 2509, 2507, 2494, 2529 (3) | 1700 (2), 1730, 1769, 2050, 2119 (2), 2122 (2)   |
| 2400                                | $2 \times 6$ | 12    | 2494800 | 2509 (2), 2504, 2525       | 1703 (2), 1723, 1771, 1786 (4), 2044, 2063, 2066, 2107, 2119, 2128, 2141                                   |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups        | Minimal Overgroups   |
| 2401                                | $D_{12}$     | 12    | 2494800 | 2494 (2), 2504, 2522 (3) | 1704 (4), 1705 (2), 1733, 1803, 2051, 2105, 2119, 2120, 2135, 2137, 2138   |
| 2402                                | $D_{12}$     | 12    | 2494800 | 2502, 2505 (2), 2524 (3) | 1721, 1756 (4), 1799 (8), 1800 (4), 1818 (2), 2055 (2), 2072 (2), 2136   |
| 2403                                | $2 \times 6$ | 12    | 415800  | 2502 (3), 2526           | 1728, 1805 (4), 2077, 2125 (6), 2129 (6), 2142 (3), 2143 (3)   |
| 2404                                | $D_{12}$     | 12    | 2494800 | 2494 (2), 2504, 2518 (3) | 1734, 1820, 2030, 2057, 2122, 2134, 2138, 2140, 2141   |
| 2405                                | 11           | 11    | 4354560 | 2537                     | 1575   |
| 2406                                | $D_{10}$     | 10    | 5987520 | 2511, 2534 (5)           | 914, 1545, 1546 (2), 1547 (2), 1548, 1549, 1551 (2), 1611, 2150, 2151, 2152  |
| 2407                                | $D_{10}$     | 10    | 1197504 | 2511, 2536 (5)           | 915 (5), 1550 (10), 1612, 2152 (5)   |
| 2408                                | 10           | 10    | 5987520 | 2511, 2536               | 916, 1612, 2152  |
| 2409                                | $D_{10}$     | 10    | 4752    | 2512, 2535 (5)           | 1419 (120), 1557, 1560 (7), 1610 (126), 2006 (140), 2007 (35), 2155 (105), 2156 (21), 2157 (105)   |
| 2410                                | 10           | 10    | 498960  | 2512, 2535               | 1610 (6), 2004 (12), 2005 (6), 2010, 2153 (3), 2154 (3), 2157, 2159 (3), 2160 (3), 2161, 2162  |
| 2411                                | $D_{10}$     | 10    | 498960  | 2512, 2534 (5)           | 1611 (6), 2008 (6), 2009 (12), 2011, 2157, 2158 (2), 2160 (6), 2162 (2)  |
| 2412                                | 9            | 9     | 2956800 | 2532                     | 452 (3), 2015, 2026, 2027, 2028  |
| 2413                                | $3^2$        | 9     | 369600  | 2530, 2532 (2), 2531     | 1544 (18), 1792 (3), 1794 (3), 1802 (6), 1805 (18), 2017, 2018, 2022 (2), 2170 (3), 2171 (3), 2174 (3), 2175 (9), 2182 (3), 2183, 2186 (9) |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups    | Minimal Overgroups  |
| 2414                                | $3^2$     | 9     | 9240    | 2531 (2), 2530 (2)   | 1737 (36), 1795 (12), 2017 (20), 2018 (20), 2164 (30), 2169 (30), 2172 (30), 2176 (45), 2177, 2178 (45), 2200 (30)          |
| 2415                                | $3^2$     | 9     | 246400  | 2531, 2533 (2), 2532 | 1757 (9), 2018 (3), 2022, 2025 (3), 2028 (6), 2179 (9), 2180 (9), 2181 (9)  |
| 2416                                | $3^2$     | 9     | 1478400 | 2532, 2533 (3)       | 1758 (9), 2016, 2023, 2024, 2025, 2167 (9)  |
| 2417                                | $3^2$     | 9     | 184800  | 2530 (2), 2533 (2)   | 1798 (6), 2018 (2), 2021 (2), 2165 (6), 2166 (6), 2173 (6), 2184, 2185 (6), 2187 (9), 2188 (9)                              |
| 2418                                | $3^2$     | 9     | 246400  | 2530 (3), 2532       | 1804 (9), 2015 (4), 2016 (2), 2017, 2019, 2020 (2), 2021 (2), 2022, 2168 (9), 2189 (9), 2191 (9)                            |
| 2419                                | $3^2$     | 9     | 739200  | 2530, 2533, 2532 (2) | 1812 (3), 2018, 2021, 2022 (2), 2190 (3), 2192 (9), 2193 (3)  |
| 2420                                | $3^2$     | 9     | 184800  | 2532 (4)             | 2019 (4), 2023 (4), 2024 (4), 2025, 2196, 2198 (36)   |
| 2421                                | 9         | 9     | 1478400 | 2532                 | 2020, 2026, 2027, 2028, 2163  |
| 2422                                | $3^2$     | 9     | 61600   | 2532 (4)             | 2022 (4), 2023 (12), 2026 (24), 2195 (36), 2197 (9)   |
| 2423                                | $3^2$     | 9     | 61600   | 2532 (4)             | 2022 (4), 2024 (12), 2027 (24), 2194 (36), 2199 (9)   |
| 2424                                | $D_8$     | 8     | 1871100 | 2520, 2514, 2519     | 776 (8), 1309 (8), 1310 (8), 1311 (8), 2202, 2203, 2211, 2214, 2215 (2), 2244, 2258, 2266 (2), 2305, 2330, 2331, 2343, 2344 |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups | Minimal Overgroups   |
| 2425                                | 8            | 8     | 3742200 | 2516              | 779 (4), 1355 (4), 2073 (2), 2206, 2209, 2210, 2212, 2287, 2293, 2326  |
| 2426                                | $D_8$        | 8     | 935550  | 2519 (2), 2516    | 781 (8), 2209 (4), 2211, 2255, 2256 (2), 2257 (2), 2258 (2), 2288, 2296 (2), 2304 (2), 2346 (2)                                      |
| 2427                                | $Q_8$        | 8     | 935550  | 2516, 2514 (2)    | 782 (8), 2211, 2273, 2320 (2), 2326 (4), 2336, 2344 (2), 2345 (2), 2346 (2), 2347 (2), 2348 (2)                                      |
| 2428                                | $D_8$        | 8     | 1871100 | 2521, 2522, 2513  | 1316 (4), 1754 (4), 2033 (8), 2036 (8), 2059 (2), 2068 (4), 2103, 2135 (4), 2216, 2220 (2), 2230 (2), 2239, 2261 (2), 2277 (2), 2282 |
| 2429                                | $D_8$        | 8     | 623700  | 2521, 2525, 2513  | 1318 (6), 2095, 2114 (4), 2127 (8), 2128 (4), 2216 (3), 2221 (3), 2229 (6), 2248, 2261 (6)   |
| 2430                                | $2 \times 4$ | 8     | 1871100 | 2519, 2514 (2)    | 1319 (8), 2202, 2203, 2215, 2243, 2246, 2297 (2), 2315, 2318, 2322, 2323, 2346 (2), 2347, 2348                                       |
| 2431                                | $D_8$        | 8     | 935550  | 2519 (2), 2514    | 1322 (16), 2202, 2204 (4), 2215 (2), 2243 (2), 2256 (2), 2270 (2), 2291, 2296, 2317 (2), 2348 (2)                                    |
| 2432                                | $D_8$        | 8     | 935550  | 2519 (2), 2514    | 1324 (16), 2203, 2205 (4), 2215 (2), 2246 (2), 2257 (2), 2270 (2), 2290, 2296, 2316 (2), 2347 (2)                                    |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups | Minimal Overgroups   |
| 2433                                | $2 \times 4$ | 8     | 467775  | 2520, 2514 (2)    | 1326 (8), 2201 (4), 2202 (2), 2203 (2), 2214, 2217 (2), 2218 (2), 2222 (2), 2227 (2), 2228 (4), 2311, 2333, 2339 (4), 2340 (2), 2341 (2), 2344 (4) |
| 2434                                | $2 \times 4$ | 8     | 935550  | 2513 (2), 2520    | 1327 (4), 2216, 2218, 2219, 2226 (2), 2230 (2), 2233 (2), 2234 (2), 2283, 2298, 2301, 2312 (2), 2327 (2), 2332, 2338 (2), 2339 (2)                 |
| 2435                                | $Q_8$        | 8     | 103950  | 2516 (3)          | 1333 (16), 2058 (4), 2069 (4), 2070 (16), 2071 (16), 2206 (36), 2273 (3), 2280 (3), 2288 (9)   |
| 2436                                | $Q_8$        | 8     | 311850  | 2514 (3)          | 1334 (16), 2064 (16), 2202 (3), 2207 (12), 2290 (3), 2320 (3), 2322 (6)  |
| 2437                                | 8            | 8     | 3742200 | 2514              | 1335 (4), 1339 (4), 2201, 2204, 2205, 2207, 2208, 2289, 2295   |
| 2438                                | $D_8$        | 8     | 3742200 | 2524 (2), 2514    | 1336 (4), 1337 (4), 1366 (4), 2039 (4), 2204, 2205, 2207, 2208, 2227, 2245, 2292   |
| 2439                                | $Q_8$        | 8     | 311850  | 2514 (3)          | 1338 (16), 2065 (16), 2203 (3), 2208 (12), 2291 (3), 2320 (3), 2323 (6)  |
| 2440                                | $D_8$        | 8     | 623700  | 2521, 2515, 2522  | 1342 (2), 2032 (8), 2060 (4), 2061 (4), 2091, 2115 (4), 2220 (6), 2221 (3), 2247, 2254 (6), 2282 (3)   |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups | Minimal Overgroups   |
| 2441                                | $2 \times 4$ | 8     | 1871100 | 2515, 2520, 2513  | 1347 (2), 1745 (4), 1747 (4), 2047 (4), 2048 (4), 2090 (2), 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2233, 2236, 2237, 2239, 2252, 2276, 2298, 2300 |
| 2442                                | $D_8$        | 8     | 623700  | 2518, 2515, 2525  | 1352 (2), 2062 (4), 2063 (4), 2221 (3), 2225 (6), 2248, 2262 (6), 2299 (3)   |
| 2443                                | $D_8$        | 8     | 3742200 | 2524 (2), 2516    | 1356 (4), 2042 (4), 2072 (2), 2206, 2209, 2212, 2245, 2281, 2292, 2326   |
| 2444                                | $D_8$        | 8     | 3742200 | 2518, 2525, 2513  | 1402 (2), 2066 (2), 2067 (2), 2140 (2), 2141 (2), 2225, 2229, 2231, 2242, 2261, 2262, 2327   |
| 2445                                | $2 \times 4$ | 8     | 1871100 | 2520, 2513 (2)    | 1410 (2), 1750 (4), 2054 (4), 2098 (2), 2213, 2223, 2224, 2228, 2229, 2231, 2232, 2233, 2234, 2240, 2252, 2253, 2277, 2302, 2312                     |
| 2446                                | $D_8$        | 8     | 1871100 | 2518, 2513, 2522  | 1411 (2), 2221, 2230 (2), 2231 (2), 2282, 2283, 2300 (2), 2335 (2)   |
| 2447                                | $2^3$        | 8     | 14850   | 2526 (7)          | 1573 (8), 2076 (28), 2077 (4), 2078 (224), 2235 (3), 2263 (21), 2268 (63)  |
| 2448                                | $D_8$        | 8     | 623700  | 2518, 2513, 2517  | 1574 (16), 1753 (12), 2074 (4), 2080, 2101 (12), 2102 (6), 2111 (4), 2126 (8), 2133 (24), 2134 (12), 2239 (3), 2242 (6), 2248, 2253 (6), 2283 (3)    |

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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups        | Minimal Overgroups   |
| 2449                                | $2 \times 4$ | 8     | 1871100 | 2516, 2514, 2519         | 1744 (16), 2211, 2256, 2257, 2258, 2269, 2288, 2290, 2291, 2297 (2), 2307, 2344, 2345, 2347, 2348  |
| 2450                                | $2 \times 4$ | 8     | 311850  | 2520, 2515 (2)           | 1746 (8), 2053 (8), 2092 (4), 2217 (3), 2219 (3), 2224 (6), 2232 (6), 2236 (6), 2238, 2247, 2254 (6), 2278, 2298 (3), 2299 (3)   |
| 2451                                | $2^3$        | 8     | 103950  | 2520 (3), 2522 (3), 2517 | 1748 (8), 2051 (24), 2052 (8), 2093, 2096 (4), 2097 (8), 2218 (9), 2223 (6), 2238 (3), 2239 (18), 2247 (3), 2249 (6), 2251 (3), 2253 (18), 2259, 2283 (9), 2284 (3)    |
| 2452                                | $2 \times 4$ | 8     | 155925  | 2520, 2516 (2)           | 1749 (16), 2099 (4), 2210 (12), 2211 (6), 2237 (6), 2238 (2), 2240 (12), 2279, 2280 (2), 2281 (6), 2301 (6), 2303 (3), 2311 (3)  |
| 2453                                | $2^3$        | 8     | 623700  | 2520 (3), 2518 (3), 2521 | 1751 (4), 2046 (6), 2056 (4), 2057 (4), 2094, 2221 (3), 2226, 2228 (3), 2229 (3), 2230 (3), 2236, 2239 (3), 2240 (3), 2241, 2249, 2250, 2254 (3), 2260, 2274, 2277 (3) |
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| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                  | Minimal Overgroups  |
| 2454                                | $D_8$        | 8     | 41580   | 2521, 2515, 2517                   | 1752 (36), 2040, 2041, 2075 (12), 2100 (6), 2112 (20), 2113 (20), 2239 (45), 2247 (15), 2248 (15)                               |
| 2455                                | $D_8$        | 8     | 1871100 | 2518, 2522, 2515                   | 1755 (4), 2104 (2), 2138 (4), 2139 (4), 2239, 2254 (2), 2262 (2), 2276 (2), 2282, 2299, 2300 (2)                                |
| 2456                                | $2^3$        | 8     | 1871100 | 2524 (2), 2529 (2), 2518 (2), 2528 | 2030 (4), 2122 (4), 2242, 2250 (2), 2262 (2), 2292 (2), 2319, 2334 (2), 2335  |
| 2457                                | $2 \times 4$ | 8     | 1871100 | 2513 (2), 2528                     | 2031 (4), 2124 (4), 2242, 2252 (2), 2261 (2), 2294 (2), 2312, 2334 (2), 2335  |
| 2458                                | $2^3$        | 8     | 623700  | 2519 (3), 2523 (4)                 | 2034 (16), 2043 (16), 2215 (3), 2256 (3), 2257 (3), 2271 (3), 2315 (3)  |
| 2459                                | $2^3$        | 8     | 51975   | 2521 (4), 2520 (3)                 | 2035 (32), 2045 (16), 2130 (4), 2131 (4), 2213 (18), 2214 (9), 2216 (18), 2220 (36), 2241 (6), 2247 (6), 2274 (3), 2279 (3)     |
| 2460                                | $D_8$        | 8     | 1871100 | 2527, 2514, 2526                   | 2037 (4), 2038 (2), 2243, 2244, 2246, 2268, 2269, 2272 (2), 2321 (2), 2322, 2323, 2333, 2336, 2343, 2345                        |
| 2461                                | $2^3$        | 8     | 467775  | 2520, 2525 (4), 2519 (2)           | 2044 (16), 2214, 2215 (4), 2219 (2), 2225 (4), 2229 (4), 2251 (2), 2258 (4), 2264 (2), 2303, 2306, 2309 (2), 2338 (2), 2340 (2) |

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| Nr.                                 | Structure | Order | Length  | Maximal Subgroups                    | Minimal Overgroups   |
| 2462                                | $2^3$     | 8     | 1871100 | 2520, 2524 (2), 2518 (2), 2522 (2)   | 2049 (4), 2055 (4), 2136 (2), 2220, 2225, 2227, 2230, 2231, 2232, 2234, 2249, 2250, 2253, 2254, 2276, 2281, 2300, 2319             |
| 2463                                | $2^3$     | 8     | 935550  | 2522, 2528 (2), 2520, 2529 (2), 2525 | 2050 (8), 2216, 2217, 2221 (2), 2231 (2), 2250 (2), 2251, 2252 (2), 2284, 2299, 2301, 2306 (2), 2308, 2309 (2), 2327 (2), 2339 (2) |
| 2464                                | $D_8$     | 8     | 311850  | 2526 (2), 2516                       | 2079 (4), 2125 (4), 2212 (12), 2255 (3), 2263 (2), 2269 (6), 2280, 2336 (3)  |
| 2465                                | $D_8$     | 8     | 1871100 | 2526, 2514, 2519                     | 2081 (2), 2243, 2246, 2255, 2258, 2268, 2269, 2270 (2), 2305, 2315 (2), 2322, 2323, 2344, 2345                                     |
| 2466                                | $2^3$     | 8     | 311850  | 2519 (6), 2526                       | 2082 (4), 2235, 2243 (6), 2246 (6), 2258 (6), 2269 (6), 2271 (2), 2304 (3), 2305 (3), 2316 (3), 2317 (3)                           |
| 2467                                | $D_8$     | 8     | 1871100 | 2527, 2514, 2519                     | 2083 (4), 2243, 2256, 2266, 2272, 2291, 2314, 2315, 2316, 2321, 2322, 2325, 2330, 2340, 2346, 2347                                 |
| 2468                                | $2^3$     | 8     | 155925  | 2519 (6), 2527                       | 2084 (16), 2243 (12), 2257 (12), 2264, 2310 (6), 2324 (6), 2330 (6)  |
| 2469                                | $D_8$     | 8     | 1871100 | 2527, 2514, 2519                     | 2085 (4), 2246, 2257, 2266, 2272, 2290, 2314, 2315, 2317, 2321, 2323, 2324, 2331, 2340, 2346, 2348                                 |

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|-------------------------------------|--------------|-------|---------|--------------------------|---|
| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups        | Minimal Overgroups  |
| 2470                                | $2^3$        | 8     | 155925  | 2519 (6), 2527           | 2086 (16), 2246 (12), 2256 (12), 2264, 2310 (6), 2325 (6), 2331 (6)   |
| 2471                                | $D_8$        | 8     | 623700  | 2520, 2516, 2526         | 2087 (2), 2129 (4), 2244 (3), 2258 (3), 2263, 2279, 2280, 2343 (3), 2344 (3)  |
| 2472                                | $D_8$        | 8     | 1871100 | 2527, 2519, 2516         | 2088 (4), 2244, 2256, 2257, 2269, 2288, 2303, 2304, 2314 (2), 2324, 2325, 2343, 2345, 2347, 2348                      |
| 2473                                | $2^3$        | 8     | 1247400 | 2529 (3), 2519 (3), 2523 | 2089 (4), 2265, 2309 (3), 2310 (3)  |
| 2474                                | $D_8$        | 8     | 3742200 | 2518, 2513, 2522         | 2105 (2), 2137 (2), 2144 (2), 2253, 2261, 2262, 2276, 2277, 2327, 2335  |
| 2475                                | $2^3$        | 8     | 51975   | 2517, 2525 (3), 2528 (3) | 2106 (16), 2107 (16), 2108 (32), 2145, 2242 (36), 2248 (12), 2251 (12), 2267 (6), 2284 (3), 2286 (6)                  |
| 2476                                | $2^3$        | 8     | 207900  | 2518 (3), 2528 (3), 2521 | 2109 (4), 2117 (8), 2118 (4), 2146, 2248 (3), 2250 (6), 2261 (18), 2274 (3), 2282 (9)                                 |
| 2477                                | $2 \times 4$ | 8     | 623700  | 2515, 2513, 2528         | 2110 (4), 2123 (4), 2248, 2252 (6), 2262 (6), 2282 (3), 2298 (3)  |
| 2478                                | $2^3$        | 8     | 155925  | 2520 (3), 2528 (3), 2527 | 2116 (16), 2244 (12), 2264, 2266 (12), 2274 (3), 2284 (3), 2298 (6), 2306 (3), 2311 (3), 2312 (6), 2319 (3), 2341 (3) |

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|-------------------------------------|--------------|-------|---------|--------------------------------------|--|
| Nr.                                 | Structure    | Order | Length  | Maximal Subgroups                    | Minimal Overgroups   |
| 2479                                | $2^3$        | 8     | 1871100 | 2522, 2519 (2), 2525, 2529 (2), 2528 | 2119 (4), 2120 (4), 2251, 2261 (2), 2262 (2), 2306, 2308, 2309 (2), 2310 (2)   |
| 2480                                | $2^3$        | 8     | 311850  | 2524 (4), 2527 (3)                   | 2121 (16), 2245 (12), 2319 (3), 2321 (6), 2324 (3), 2325 (3)   |
| 2481                                | $2^3$        | 8     | 311850  | 2528 (3), 2519 (3), 2526             | 2132 (4), 2235, 2244 (6), 2255 (6), 2267, 2270 (6), 2271, 2272 (6), 2306 (3), 2307 (3), 2310 (3), 2318 (3)                       |
| 2482                                | $2 \times 4$ | 8     | 311850  | 2516 (2), 2526                       | 2142 (4), 2263, 2275 (2), 2280 (2), 2304 (3), 2307 (3), 2337 (6), 2345 (6)   |
| 2483                                | $2^3$        | 8     | 155925  | 2522 (4), 2520, 2526 (2)             | 2143 (4), 2259, 2263 (2), 2275 (2), 2276 (12), 2277 (12), 2278, 2279, 2305 (6), 2306 (3), 2308 (3), 2328 (6), 2332 (3), 2333 (3) |
| 2484                                | $2 \times 4$ | 8     | 935550  | 2528, 2514, 2516                     | 2244 (2), 2255, 2273, 2286, 2292 (2), 2293 (2), 2294 (2), 2295 (2), 2296, 2297 (2), 2307 (2), 2311, 2314 (2), 2320, 2342         |
| 2485                                | $2 \times 4$ | 8     | 935550  | 2516, 2514, 2527                     | 2245 (2), 2285 (2), 2287 (2), 2288, 2289 (2), 2290, 2291, 2311, 2324, 2325, 2336, 2342 (2), 2343 (2), 2345 (2), 2346 (2)         |
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|-------------------------------------|--------------|-------|--------|------------------------------------|--|
| Nr.                                 | Structure    | Order | Length | Maximal Subgroups                  | Minimal Overgroups   |
| 2486                                | $2^3$        | 8     | 467775 | 2527 (2), 2518 (4), 2520           | 2260 (2), 2274, 2283 (2), 2299 (2), 2300 (4), 2302 (2), 2303, 2319 (2), 2327 (4), 2329 (4), 2330 (2), 2331 (2), 2333, 2340 (2), 2343 (4) |
| 2487                                | $2^3$        | 8     | 935550 | 2525 (2), 2523 (2), 2528, 2519 (2) | 2264, 2266 (2), 2267, 2270 (2), 2271 (2), 2296 (2), 2297 (2), 2309 (4), 2310, 2314 (2)   |
| 2488                                | $2^3$        | 8     | 935550 | 2526, 2529 (4), 2527, 2519         | 2265 (2), 2268, 2269 (2), 2304, 2306, 2308 (2), 2310 (2), 2313 (2), 2315 (2), 2316, 2317, 2321 (2), 2337 (2), 2343 (2)                   |
| 2489                                | $2 \times 4$ | 8     | 935550 | 2528, 2514 (2)                     | 2266 (2), 2270 (2), 2272 (2), 2286, 2297 (2), 2318 (2), 2320 (2), 2334 (4), 2341, 2342   |
| 2490                                | $2 \times 4$ | 8     | 935550 | 2514 (2), 2526                     | 2268, 2305, 2307, 2313 (4), 2316, 2317, 2318 (2), 2322 (2), 2323 (2), 2328 (2), 2336 (2), 2337 (2), 2344 (2)                             |
| 2491                                | $2^3$        | 8     | 467775 | 2522 (2), 2529 (2), 2527 (2), 2528 | 2272 (4), 2282 (4), 2284, 2308 (4), 2310 (2), 2314 (4), 2319 (2), 2335 (4), 2342 (2)   |
| 2492                                | $2 \times 4$ | 8     | 935550 | 2527, 2514 (2)                     | 2321 (2), 2322 (2), 2323 (2), 2329 (4), 2330, 2331, 2341, 2342 (2), 2347 (2), 2348 (2)   |

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|-------------------------------------|-----------|-------|---------|-------------------|--|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups   |
| 2493                                | 7         | 7     | 95040   | 2537              | 1573 (10), 1821 (6), 2147, 2148 (10), 2149 (20), 2351 (10), 2352 (15)  |
| 2494                                | $S_3$     | 6     | 2494800 | 2530, 2534 (3)    | 1545 (4), 2009 (4), 2038 (2), 2101 (4), 2103, 2178, 2186 (4), 2187 (4), 2191 (8), 2192 (8), 2355 (2), 2360 (2), 2362, 2398, 2399, 2401 (2), 2404 (2) |
| 2495                                | $S_3$     | 6     | 6652800 | 2532, 2534 (3)    | 1546 (3), 1547 (3), 2036 (3), 2039 (3), 2133 (3), 2181, 2186 (3), 2191, 2192 (6), 2197, 2198, 2199, 2354 (3)   |
| 2496                                | $S_3$     | 6     | 3326400 | 2533, 2534 (3)    | 1548 (3), 1549 (3), 2033 (6), 2037 (3), 2167 (4), 2181 (4), 2187 (3), 2192 (6), 2361 (3)   |
| 2497                                | $S_3$     | 6     | 1108800 | 2533, 2536 (3)    | 1550 (18), 2083 (9), 2085 (9), 2088 (9), 2127 (6), 2165, 2166, 2184, 2190 (2), 2353 (6), 2361 (9)  |
| 2498                                | $S_3$     | 6     | 2217600 | 2532, 2534 (3)    | 1551 (9), 2032 (3), 2042 (9), 2126 (3), 2163 (2), 2179, 2183, 2189, 2194, 2195, 2196, 2354 (9)   |
| 2499                                | $S_3$     | 6     | 7920    | 2531, 2535 (3)    | 1557, 1741 (120), 2005 (126), 2040 (7), 2170 (140), 2172 (35), 2177 (7), 2363 (21), 2364 (105), 2366 (105)   |

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|-------------------------------------|-----------|-------|---------|-------------------|--|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups   |
| 2500                                | $S_3$     | 6     | 55440   | 2530, 2535 (3)    | 1560, 2004 (36),<br>2041, 2075 (12),<br>2087 (30), 2171 (20),<br>2173 (20), 2177,<br>2362 (45), 2365 (15),<br>2367 (15)  |
| 2501                                | 6         | 6     | 831600  | 2530, 2534        | 1738 (8), 2058 (2),<br>2076 (2), 2131, 2169,<br>2174 (4), 2175 (4),<br>2189 (8), 2355 (6),<br>2365, 2373 (6), 2390<br>(3), 2398 (3)  |
| 2502                                | 6         | 6     | 207900  | 2531, 2534        | 1739 (32), 2011 (12),<br>2145, 2175 (16), 2179<br>(32), 2182 (16), 2200<br>(4), 2364 (4), 2372<br>(6), 2384 (3), 2388<br>(12), 2402 (12), 2403<br>(6)  |
| 2503                                | 6         | 6     | 6652800 | 2532, 2534        | 1740 (2), 2034 (6),<br>2035, 2064 (3), 2065<br>(3), 2070, 2071, 2078<br>(2), 2108, 2121 (3),<br>2167 (6), 2168, 2175,<br>2180, 2194, 2195,<br>2198 (3), 2354 (3)   |
| 2504                                | 6         | 6     | 831600  | 2530, 2535        | 1742 (12), 2006 (4),<br>2094 (3), 2097 (4),<br>2132 (6), 2170 (4),<br>2173 (4), 2176, 2362<br>(3), 2370, 2371 (3),<br>2373 (3), 2374 (3),<br>2375, 2383, 2389,<br>2390 (3), 2391, 2392,<br>2395, 2400 (3), 2401<br>(3), 2404 (3) |
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|-------------------------------------|-----------|-------|---------|-------------------|--|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups   |
| 2505                                | $S_3$     | 6     | 277200  | 2531, 2534 (3)    | 1743 (24), 2008 (18), 2080 (3), 2174 (4), 2178 (9), 2180 (8), 2181 (24), 2183 (4), 2186 (36), 2200, 2364 (3), 2366 (3), 2387 (9), 2393 (6), 2402 (18)                    |
| 2506                                | 6         | 6     | 83160   | 2531, 2535        | 2007 (10), 2010 (6), 2093 (5), 2171 (40), 2172 (10), 2176 (10), 2363, 2366 (10), 2368 (15), 2369 (10), 2381, 2384 (15), 2386, 2387 (15), 2388 (15), 2393 (10), 2394 (10) |
| 2507                                | $S_3$     | 6     | 277200  | 2530, 2534 (3)    | 2079 (6), 2091 (3), 2168 (8), 2169, 2182 (4), 2183 (4), 2355 (18), 2365 (3), 2389 (3), 2391 (6), 2399 (9)  |
| 2508                                | $S_3$     | 6     | 277200  | 2530, 2536 (3)    | 2081 (18), 2095 (3), 2164, 2184 (4), 2185 (4), 2193 (8), 2360 (18), 2367 (3), 2389 (3), 2392 (6), 2398 (9)   |
| 2509                                | 6         | 6     | 831600  | 2530, 2536        | 2082 (6), 2146, 2164, 2185 (4), 2188 (4), 2190 (8), 2360 (6), 2367, 2390 (3), 2399 (3), 2400 (6)   |
| 2510                                | 6         | 6     | 3326400 | 2533, 2536        | 2084 (3), 2086 (3), 2089 (6), 2116 (3), 2117 (2), 2165, 2166, 2188, 2193 (2), 2353, 2361 (3), 2396 (3)   |
| 2511                                | 5         | 5     | 1197504 | 2537              | 1307 (5), 1575 (40), 2029, 2406 (5), 2407, 2408 (5)  |
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|-------------------------------------|-----------|-------|--------|-------------------|---|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups  |
| 2512                                | 5         | 5     | 4752   | 2537              | 1821 (120), 2029 (126), 2349 (140), 2350 (35), 2409, 2410 (105), 2411 (105)   |
| 2513                                | 4         | 4     | 623700 | 2535              | 1760 (6), 2013 (16), 2154 (12), 2155 (4), 2368 (6), 2371 (12), 2374 (4), 2383 (4), 2428 (3), 2429, 2434 (3), 2441 (3), 2444 (6), 2445 (6), 2446 (3), 2448, 2457 (6), 2474 (6), 2477   |
| 2514                                | 4         | 4     | 935550 | 2534              | 1764 (16), 1766 (8), 1768 (16), 1773 (16), 1774 (16), 2151 (32), 2424 (2), 2427 (2), 2430 (4), 2431, 2432, 2433, 2436, 2437 (4), 2438 (4), 2439, 2449 (2), 2460 (2), 2465 (2), 2467 (2), 2469 (2), 2484, 2485, 2489 (2), 2490 (2), 2492 (2) |
| 2515                                | 4         | 4     | 41580  | 2535              | 1781 (2), 2153 (36), 2156 (12), 2369 (20), 2370 (20), 2381 (6), 2440 (15), 2441 (45), 2442 (15), 2450 (15), 2454, 2455 (45), 2477 (15)  |
| 2516                                | 4         | 4     | 311850 | 2534              | 1787 (16), 2150 (96), 2158 (16), 2372 (4), 2425 (12), 2426 (3), 2427 (3), 2435, 2443 (12), 2449 (6), 2452, 2464, 2471 (2), 2472 (6), 2482 (2), 2484 (3), 2485 (3)   |

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|-------------------------------------|-----------|-------|--------|-------------------|---|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups  |
| 2517                                | $2^2$     | 4     | 495    | 2535 (3)          | 2012 (960), 2161 (336), 2375 (560), 2376 (1120), 2377, 2385 (112), 2386 (56), 2448 (1260), 2451 (210), 2454 (84), 2475 (105)  |
| 2518                                | $2^2$     | 4     | 623700 | 2535, 2534 (2)    | 2014 (16), 2160 (12), 2364 (4), 2373 (4), 2387 (6), 2391 (4), 2404 (12), 2442, 2444 (6), 2446 (3), 2448, 2453 (3), 2455 (3), 2456 (6), 2462 (6), 2474 (6), 2476, 2486 (3)   |
| 2519                                | $2^2$     | 4     | 935550 | 2534, 2536 (2)    | 2152 (32), 2360 (16), 2361 (32), 2424 (2), 2426 (2), 2430 (2), 2431 (2), 2432 (2), 2449 (2), 2458 (2), 2461, 2465 (2), 2466 (2), 2467 (2), 2468, 2469 (2), 2470, 2472 (2), 2473 (4), 2479 (4), 2481, 2487 (2), 2488 |
| 2520                                | $2^2$     | 4     | 155925 | 2535 (2), 2534    | 2157 (16), 2362 (48), 2366 (16), 2384 (4), 2424 (12), 2433 (3), 2434 (6), 2441 (12), 2445 (12), 2450 (2), 2451 (2), 2452, 2453 (12), 2459, 2461 (3), 2462 (12), 2463 (6), 2471 (4), 2478 (3), 2483, 2486 (3)        |
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|-------------------------------------|-----------|-------|---------|-------------------|---|
| Nr.                                 | Structure | Order | Length  | Maximal Subgroups | Minimal Overgroups  |
| 2521                                | $2^2$     | 4     | 13860   | 2535 (3)          | 2159 (36), 2356 (40), 2357 (40), 2363 (18), 2382, 2394 (20), 2395 (20), 2428 (135), 2429 (45), 2440 (45), 2453 (45), 2454 (3), 2459 (15), 2476 (15)           |
| 2522                                | $2^2$     | 4     | 311850  | 2535, 2534 (2)    | 2162 (8), 2365 (8), 2388 (4), 2393 (8), 2401 (24), 2428 (6), 2440 (2), 2446 (6), 2451, 2455 (6), 2462 (12), 2463 (3), 2474 (12), 2479 (6), 2483 (2), 2491 (3) |
| 2523                                | $2^2$     | 4     | 207900  | 2536 (3)          | 2353 (48), 2358 (16), 2359 (8), 2396 (16), 2458 (12), 2473 (6), 2487 (9)  |
| 2524                                | $2^2$     | 4     | 1247400 | 2534 (3)          | 2354 (48), 2355 (12), 2379 (4), 2402 (6), 2438 (6), 2443 (6), 2456 (3), 2462 (3), 2480  |
| 2525                                | $2^2$     | 4     | 155925  | 2535, 2536 (2)    | 2367 (16), 2392 (16), 2400 (16), 2429 (4), 2442 (4), 2444 (24), 2461 (12), 2463 (6), 2475, 2479 (12), 2487 (12)   |
| 2526                                | $2^2$     | 4     | 103950  | 2534 (3)          | 2378 (4), 2397 (32), 2403 (4), 2447, 2460 (18), 2464 (6), 2465 (18), 2466 (3), 2471 (6), 2481 (3), 2482 (3), 2483 (3), 2488 (9), 2490 (9)                     |

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|-------------------------------------|-----------|-------|--------|-------------------|---|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups  |
| 2527                                | $2^2$     | 4     | 155925 | 2534 (3)          | 2380 (16), 2460 (12), 2467 (12), 2468, 2469 (12), 2470, 2472 (12), 2478, 2480 (6), 2485 (6), 2486 (6), 2488 (6), 2491 (6), 2492 (6)   |
| 2528                                | $2^2$     | 4     | 155925 | 2534, 2536, 2535  | 2389 (16), 2390 (16), 2456 (12), 2457 (12), 2463 (12), 2475, 2476 (4), 2477 (4), 2478 (3), 2479 (12), 2481 (6), 2484 (6), 2487 (6), 2489 (6), 2491 (3)                              |
| 2529                                | $2^2$     | 4     | 935550 | 2534 (2), 2536    | 2398 (8), 2399 (8), 2456 (4), 2463 (2), 2473 (4), 2479 (4), 2488 (4), 2491  |
| 2530                                | 3         | 3     | 18480  | 2537              | 2147 (36), 2349 (36), 2378 (90), 2382 (3), 2385 (12), 2413 (20), 2414, 2417 (20), 2418 (40), 2419 (40), 2494 (135), 2500 (3), 2501 (45), 2504 (45), 2507 (15), 2508 (15), 2509 (45) |
| 2531                                | 3         | 3     | 220    | 2537              | 2148 (4320), 2350 (756), 2377 (9), 2413 (1680), 2414 (84), 2415 (1120), 2499 (36), 2502 (945), 2505 (1260), 2506 (378)  |
| 2532                                | 3         | 3     | 246400 | 2537              | 2149 (54), 2357 (9), 2358 (54), 2376 (9), 2379 (81), 2397 (54), 2412 (12), 2413 (3), 2415, 2416 (6), 2418, 2419 (6), 2420 (3), 2421 (6), 2422, 2423, 2495 (27), 2498 (9), 2503 (27) |

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|-------------------------------------|-----------|-------|--------|-------------------|--|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups   |
| 2533                                | 3         | 3     | 123200 | 2537              | 2356 (18), 2359 (54), 2380 (81), 2415 (4), 2416 (36), 2417 (3), 2419 (6), 2496 (27), 2497 (9), 2510 (27)   |
| 2534                                | 2         | 2     | 51975  | 2537              | 2351 (128), 2406 (576), 2411 (48), 2494 (144), 2495 (384), 2496 (192), 2498 (128), 2501 (16), 2502 (4), 2503 (128), 2505 (16), 2507 (16), 2514 (18), 2516 (6), 2518 (24), 2519 (18), 2520 (3), 2522 (12), 2524 (72), 2526 (6), 2527 (9), 2528 (3), 2529 (36) |
| 2535                                | 2         | 2     | 1485   | 2537              | 2352 (960), 2409 (16), 2410 (336), 2499 (16), 2500 (112), 2504 (560), 2506 (56), 2513 (420), 2515 (28), 2517, 2518 (420), 2520 (210), 2521 (28), 2522 (210), 2525 (105), 2528 (105)  |
| 2536                                | 2         | 2     | 10395  | 2537              | 2407 (576), 2408 (576), 2497 (320), 2508 (80), 2509 (80), 2510 (320), 2519 (180), 2523 (60), 2525 (30), 2528 (15), 2529 (90)   |
| 2537                                | 1         | 1     | 1      |                   | 2405 (4354560), 2493 (95040), 2511 (1197504), 2512 (4752), 2530 (18480), 2531 (220), 2532 (246400), 2533 (123200), 2534 (51975), 2535 (1485), 2536 (10395)   |

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|-------------------------------------|-----------|-------|--------|-------------------|--------------------|
| Nr.                                 | Structure | Order | Length | Maximal Subgroups | Minimal Overgroups |

TABLE 1. Subgroup lattice of  $A_{12}$ 

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