

## Statistical mapping of USPC to CPC for Class 285

USPC Subclass	Most statistically relevant CPC groups
285/1	F 16L 37/23, F 16L 55/1007, F 16L 55/1015, F 16L 35/00, B 61G 5/08
285/2	E 21B 17/06, E 03B 9/02, F 16L 35/00, G 01F 15/10, F 16L 23/02
285/3	E 21B 17/06, E 21B 33/043, F 16L 19/14, F 16L 29/005, F 16L 19/10
285/4	F 16L 19/14, F 16L 37/0987, E 04D 13/1476, F 16L 37/38, F 16L 41/08
285/5	F 16L 37/54, F 16L 17/035, F 16L 37/252, F 16L 27/12, F 16L 37/20
285/6	F 16L 37/54, F 16L 37/096, F 16L 27/12, F 16L 37/24, F 16L 37/248
285/7	A 47L 9/242, A 47L 9/244, A 47L 9/1427, F 16L 37/084, A 47L 9/06
285/8	F 16L 37/48, E 03C 1/086, F 16L 37/20, F 16L 21/005, A 24F 9/12
285/9.1	F 16L 37/004, B 08B 15/002, F 01N 13/1805, A 61M 16/06, A 61M 16/0683
285/9.2	F 16N 21/04, A 24F 9/12, F 16L 27/1025, F 16L 37/58, F 16N 3/12
285/10	E 03D 11/16, E 21B 33/038, F 16L 23/165, F 16L 55/175, B 63C 11/10
285/11	F 16L 27/04, F 16L 27/06, F 16J 15/40, F 16J 15/42, A 01K 63/04
285/12	B 61G 5/08, F 16L 25/14, F 16L 25/00, B 60C 29/064, E 03D 11/16
285/13	F 16L 23/167, F 16L 55/00, E 21B 21/02, F 16L 27/0828, F 16L 39/005
285/14	F 16L 27/0824, F 16L 27/0828, F 16L 55/07, E 03F 5/0409, F 16L 23/167
285/15	F 16L 55/172, F 16L 55/175, F 16L 55/18, F 16L 55/1608, F 16L 55/163

285/16	F 16L 57/06, B 65G 53/523, F 16L 27/0828, E 21B 21/02, E 21B 17/042
285/17	F 23J 1/00, B 04B 1/12, E 21B 21/015, E 21B 21/16, E 21B 33/03
285/18	E 21B 33/038, F 16L 37/002, E 21B 33/043, E 21B 17/06, F 16L 17/10
285/19	F 16L 51/00, F 25D 23/065, F 28F 9/264, H 02G 3/0616, B 60D 1/62
285/20	B 65D 88/54, D 06F 58/20, F 16L 5/00, F 16L 5/06, F 16L 27/107
285/21.1	B 29C 66/5221, F 16L 47/02, B 29C 66/1122, B 29C 65/34, B 29C 66/534
285/21.2	B 29C 66/5221, B 29C 65/34, B 29C 66/1122, F 16L 47/03, B 29C 66/1142
285/21.3	B 29C 65/4895, B 29C 65/7802, B 29C 65/548, B 29C 66/05, B 29C 66/1142
285/22	F 16L 13/0227, F 16L 13/08, B 23K 9/0203, F 16L 13/0209, F 16L 13/11
285/23	F 16L 33/08, F 16L 33/03, F 16L 25/0036, F 16L 37/088, F 16L 33/02
285/24	F 16L 37/002, B 61G 5/08, E 21B 33/038, F 16L 37/0985, E 21B 17/042
285/25	B 61G 5/08, F 16L 39/00, B 60T 17/046, F 16L 3/16, E 21B 33/038
285/26	F 16L 37/56, F 16L 39/00, B 61G 5/08, E 21B 33/038, F 16L 37/002
285/27	B 61G 5/08, F 16L 37/252, E 21B 17/042, E 21B 33/038, E 21B 17/08
285/28	B 61G 5/08, B 60T 17/043, B 67D 7/002, E 04B 2/16, E 04B 2002/0245
285/29	B 61G 5/08, E 21B 19/10, B 60T 17/043, E 21B 17/042, E 21B 19/16
285/30	G 01F 15/18, G 01F 15/185, E 03B 7/072, F 16L 3/00, E 03B 7/095
285/31	F 16L 27/12, F 16L 25/12, E 03C 1/122, F 16L

	55/1608, F 16L 13/126
285/32	F 16L 27/12, E 03C 1/122, F 16L 15/001, F 16L 15/02, F 16L 15/08
285/33	F 16L 37/252, F 16L 19/0231, F 16L 37/113, F 16L 37/00, F 16L 37/0925
285/34	F 16L 37/1215, F 16L 37/10, F 16L 37/252, F 16B 37/0864, F 16L 15/08
285/35	F 16L 37/1215, F 16L 37/121, F 16L 37/127, A 62C 33/00, B 60C 29/00
285/36	E 21B 17/06, E 21B 17/042, F 16L 15/08, F 16L 15/04, B 08B 9/36
285/37	F 16L 13/12, F 16L 37/12, A 62C 33/00, A 62C 33/04, B 25B 25/005
285/38	F 16L 35/00, F 16L 37/252, A 61M 39/10, A 61M 2039/1033, E 02F 9/2264
285/39	F 16L 37/091, F 16L 37/088, F 16L 37/092, F 16L 37/0982, F 16L 37/084
285/40	F 16L 33/24, F 16L 15/001, F 16L 15/006, F 16L 41/10, F 16L 15/08
285/41	F 16L 27/12, F 16L 53/00, F 16L 39/005, F 16L 27/1004, E 21B 21/02
285/42	E 04D 13/0409, E 04D 2013/0436, E 04D 13/1407, E 04D 13/1476, E 04D 2013/0413
285/43	E 04D 13/1476, E 04D 13/1471, E 04D 13/1475, E 04D 13/0409, E 04D 13/1407
285/44	E 04D 13/1471, E 04D 13/1476, E 04B 1/945, F 23J 13/04, F 23J 2213/202
285/45	E 21B 17/1085, F 16L 35/00, F 16L 57/00, E 21B 17/00, F 16L 47/005
285/46	E 03C 1/042, F 16L 5/00, F 16L 5/10, E 03C 2201/50, F 16K 27/12
285/47	F 16L 59/16, F 16L 59/143, F 16L 59/20, F 16L 59/21, F 16L 39/005
285/48	F 16L 25/026, F 16L 25/021, F 16L 25/023, B 64D 37/32, B 64D 45/02

285/49	F 01N 13/1816, F 01N 13/1811, F 16L 27/11, F 16L 27/111, F 16L 27/1004
285/50	F 16L 25/026, F 16L 25/02, F 16L 19/0206, F 16L 23/02, F 16L 23/08
285/51	F 16L 27/103, E 21B 17/085, F 16L 25/03, F 16L 27/04, F 16L 27/06
285/52	F 16L 25/023, F 16L 19/0218, F 16L 58/184, F 16L 19/0206, F 16L 19/0212
285/53	F 16L 25/023, F 16L 25/03, F 16L 27/107, F 16L 59/21, F 16L 27/1004
285/54	F 16L 25/03, F 16L 25/02, F 16L 25/023, F 16L 13/11, F 16L 21/04
285/55	F 16L 58/182, E 21B 17/042, F 16L 23/125, F 16L 15/003, F 16L 15/04
285/56	E 03D 11/16, E 03C 1/12, F 16L 5/02, F 16L 5/022, F 16L 21/04
285/57	E 03D 11/16
285/58	E 03D 11/16, F 16L 5/02, E 03C 1/12, E 03C 1/20, E 03D 13/00
285/59	E 03D 11/16, F 16L 5/02
285/60	E 03D 11/16, E 03C 1/20, F 16L 5/02, F 16L 23/02, F 16L 37/252
285/61	E 21B 21/02, F 16L 3/00, F 16L 3/16, F 16L 3/18, F 16L 7/00
285/62	B 60T 17/04, F 16L 5/00, E 02F 9/2264, F 01N 13/1805, F 16L 3/00
285/63	B 61G 5/08, F 16L 27/0865, B 60T 17/043, F 16L 27/044, F 16L 3/00
285/64	F 16L 5/00, F 16L 3/00, E 03C 1/021, F 24F 13/0209, E 03C 1/042
285/65	B 60T 17/043, B 61G 5/08, F 16L 37/122, F 16L 37/252, F 16L 37/256
285/66	F 16L 37/025, F 16L 37/084, G 01B 5/204
285/67	F 16L 37/26, A 61M 39/18, F 16L 37/122, F 16L

	17/073, F 16L 29/04
285/68	B 60T 17/043, F 16L 37/256, F 16L 33/2076, A 61M 39/10, A 61M 39/18
285/69	B 60T 17/043, B 61G 5/08, F 16L 37/256, B 60D 1/62, B 60D 1/64
285/70	F 16L 37/252, F 16L 37/23, F 16L 37/10, F 16L 37/113, A 61M 39/14
285/71	F 16L 37/122, F 16L 37/18, F 16L 37/20, F 16L 37/52
285/72	F 16L 37/26
285/73	F 16L 37/252, F 16L 31/00, F 16B 7/20, F 16L 37/113, B 60T 17/043
285/74	F 16L 37/113, B 60T 17/043, E 21B 17/18, F 16L 17/073, F 16L 23/036
285/75	F 16L 37/122, F 16L 37/10, F 16L 37/26, F 16L 37/252
285/76	F 16L 37/122, B 60T 17/043, F 16L 37/18, F 16L 37/256
285/77	B 61G 5/08, F 16L 37/122, F 16L 37/256
285/78	F 16L 37/122, B 60D 1/64, B 60T 17/043, F 16L 31/00, F 16L 35/00
285/79	F 16L 37/252, F 16L 37/113, B 30B 1/00, B 60D 1/62, B 60T 17/043
285/80	F 16L 19/005, F 16L 35/00, F 16L 37/18, F 16B 41/007, G 01F 15/007
285/81	E 21B 17/043, F 16L 37/252, F 16L 2201/10, F 16L 37/0985, F 16L 19/005
285/82	F 16L 37/252, F 16L 37/088, F 16L 37/1225, F 16L 37/248, E 21B 17/043
285/83	F 16L 37/252, F 16L 37/23, E 21B 17/043, E 21B 17/046, E 21B 17/06
285/84	F 16L 37/252, F 16L 37/18, E 21B 17/06, F 16L 15/006, E 21B 33/038
285/85	F 16L 37/252, F 16L 37/248, F 16L 37/18, F 16L

	37/113, E 21B 17/046
285/86	F 16L 37/252, F 16L 37/138, F 16L 37/23, E 21B 17/06, F 16L 37/133
285/87	F 16L 37/252, F 16L 19/005, F 16L 37/18, F 16L 37/0987, F 16L 37/133
285/88	F 16L 37/252, F 16L 37/18, F 16L 33/12, F 16L 37/113, A 61M 39/1011
285/89	F 16L 19/005, F 16L 19/04, E 21B 17/043, F 16L 15/008, F 16L 41/14
285/90	F 16L 25/065, E 21B 17/085, E 21B 17/046, E 21B 33/038, F 16L 37/252
285/91	F 16L 37/252, F 16L 37/113, E 21B 17/046, E 21B 17/043, F 16L 19/005
285/92	F 16L 19/005, E 21B 17/043, F 16L 15/08, E 21B 17/042, F 16L 15/006
285/93	F 16L 2201/10, F 16L 37/0987, F 16L 37/088, F 16L 37/0985, F 16L 37/0841
285/94	E 21B 17/042, F 16L 15/001, E 21B 21/02, F 16L 15/004, F 16L 27/0828
285/95	F 16L 27/06, F 16L 27/12, E 21B 17/085, F 16L 17/00, F 16L 27/0828
285/96	F 16L 17/10, F 16L 37/62, E 21B 33/04, E 21B 33/0422, E 21B 2033/005
285/97	F 16L 17/10, F 16L 21/06, F 16L 27/053, F 16L 27/06, F 16L 37/62
285/98	F 16L 27/0828, F 16L 27/0832, F 16L 27/0816, F 16L 27/082, F 16L 27/04
285/99	F 16L 17/067, F 16L 37/252, A 01G 25/00, B 60T 17/043, B 61G 5/08
285/100	F 16L 17/02, F 16L 27/073, F 16L 27/1004, F 16L 37/252, F 16L 51/025
285/101	F 16N 21/04, F 16L 37/0925, F 16L 33/227, F 16L 33/16, F 16L 17/00
285/102	F 16N 21/04, F 16L 37/092, F 16L 37/62, F 16N 3/12, B 60R 17/00

285/103	F 16N 21/04, A 61M 39/10, A 61M 2039/1027, F 04B 7/04, B 60R 17/00
285/104	F 16L 21/08, F 16L 17/04, F 16L 37/0925, F 16L 21/04, F 16L 21/005
285/105	F 16L 37/0845, F 16L 17/04, F 16L 37/0925, F 16L 17/035, F 16L 21/08
285/106	E 21B 17/042, F 16L 27/12, F 16J 15/48, F 16L 15/001, F 16L 17/02
285/107	F 16L 11/18, F 16L 15/001, F 16L 15/006, F 16L 27/067, B 29D 30/0662
285/108	F 16L 17/02, F 16L 17/04, F 16L 29/04, F 16L 17/067, F 16L 17/08
285/109	F 16L 21/022, F 16L 21/005, F 16L 55/163, F 16L 17/00, F 16L 19/0218
285/110	F 16L 17/04, F 16L 21/022, F 16L 17/035, F 16L 21/005, F 16L 47/08
285/111	F 16L 17/035, F 16L 27/067, F 16L 27/053, E 21B 21/02, F 16L 27/0828
285/112	F 16L 17/04, F 16L 21/06, F 16L 21/08, F 16L 21/005, F 16L 23/08
285/113	F 16L 27/073, F 16L 37/092, F 16L 15/003, E 21B 17/042, F 16L 15/04
285/114	F 16L 27/111, F 16L 21/08, F 16L 27/02, F 16L 35/00, E 21B 17/042
285/115	E 21B 17/042, F 16L 35/00, F 16L 15/001, F 16L 15/004, F 16L 13/04
285/116	F 16L 19/04, F 16L 35/00, E 21B 17/042, F 16L 19/10, F 16L 33/224
285/117	E 21B 17/023, E 21B 17/02, E 21B 17/06, B 60P 3/2265, E 21B 10/00
285/118	E 21B 31/14, E 21B 7/067, E 21B 17/04, F 16L 27/0849
285/119	F 16L 27/00, H 02G 3/06, B 63B 22/021, E 03F 9/00, E 21B 17/04
285/120.1	F 16L 37/60, F 16L 39/005, F 16L 39/06, B 60D

	1/64, B 67D 1/0425
285/121.1	F 16L 39/04, F 16L 39/06, A 62C 31/28, B 05B 1/26, B 05B 15/061
285/121.2	F 16L 39/005, F 16L 27/082, B 21B 39/008, B 21B 2027/083, B 22D 11/1287
285/121.3	F 16L 39/06, F 16L 39/005, F 16L 39/04, F 16L 27/087, F 16J 15/54
285/121.4	F 16L 39/005, F 16L 39/04, F 16L 27/082, F 16L 27/0828, B 23Q 11/103
285/121.5	F 16L 39/005, F 16L 39/06, F 16L 39/04, F 16L 27/08, F 16L 27/087
285/121.6	F 16L 39/005, F 16L 39/04, B 62D 25/02, B 62D 33/046, B 67D 7/42
285/121.7	F 16L 39/005, F 16L 39/04, B 66C 3/16, E 02F 3/3681, E 02F 3/4135
285/122.1	F 16L 39/00, F 16L 11/22, F 16L 41/02, F 16L 41/021, F 17C 13/04
285/123.1	F 16L 39/005, E 21B 33/04, E 21B 17/18, F 16L 39/00, F 16L 7/00
285/123.2	E 21B 33/047, F 16L 39/00, E 21B 2033/005, E 21B 17/18, F 16L 7/00
285/123.3	F 16L 39/005, E 21B 17/18, E 21B 33/04, F 16L 9/18, F 16L 39/00
285/123.4	E 21B 33/04, E 21B 33/043, E 21B 3/02, E 21B 17/18, E 21B 19/084
285/123.5	E 21B 33/04, E 21B 33/0422, E 21B 19/12, B 63B 35/4413, B 63B 2001/044
285/123.6	E 21B 33/0422, E 21B 33/04, E 21B 33/06, E 21B 2033/005, E 21B 17/07
285/123.7	E 21B 33/0422, E 21B 33/04, E 21B 19/10, E 21B 2033/005, E 21B 33/047
285/123.8	E 21B 33/0422, E 21B 33/04, E 21B 19/10, F 16L 3/00, E 21B 33/03
285/123.9	E 21B 33/04, E 21B 33/0422, E 21B 2033/005, E 21B 33/06, E 21B 19/10



285/123.11	E 21B 19/10, E 21B 33/06, E 21B 33/0422, E 21B 33/04, E 21B 2033/005
285/123.12	E 21B 33/04, E 21B 2033/005, E 21B 33/043, E 21B 17/06, E 21B 19/10
285/123.13	E 21B 33/04, E 21B 2033/005, F 16L 37/138, E 21B 17/085, F 16J 15/0881
285/123.14	E 21B 33/04, E 21B 2033/005, B 63B 27/24, E 21B 33/06, E 21B 35/00
285/123.15	F 16L 39/005, F 16L 9/18, F 16L 39/02, F 16L 39/00, E 21B 17/18
285/123.16	F 16L 37/084, F 16L 37/565, F 24D 5/00, F 16L 39/005, E 04F 17/02
285/123.17	F 16L 9/18, F 16L 39/005, F 16L 59/12, E 21B 17/00, E 21B 17/04
285/124.1	F 16L 39/00, F 16L 37/56, F 16L 41/03, B 01L 2200/027, E 21B 17/01
285/124.2	F 16L 39/00, F 16L 3/2235, F 16L 3/237, F 16L 41/086, F 25B 41/003
285/124.3	F 16L 39/00, F 16L 5/14, F 16L 39/02, F 16L 37/56, F 28F 9/0246
285/124.4	F 16L 39/00, F 16L 39/02, F 16L 37/56, F 01N 13/1805, F 16L 39/04
285/124.5	F 16L 39/00, F 16L 37/56, F 16L 41/03, F 15B 13/0821, H 02G 9/06
285/125.1	F 16L 41/03, E 03C 1/122, F 02M 55/025, F 16L 19/02, F 16L 41/001
285/126.1	F 16L 45/00, E 03C 1/122, F 28F 9/26, H 02G 3/06, A 61M 16/0463
285/127.1	F 16L 27/0861, A 61M 16/08, A 62C 31/24, B 05B 15/066, F 03B 1/04
285/127.2	F 16L 27/0804, B 67D 9/02, E 03C 1/023, F 24D 3/1066, F 24D 3/1075
285/128.1	B 60P 3/20, F 02C 7/04, F 25D 19/003
285/129.1	E 03C 1/122, E 03C 1/12, F 16L 41/02, F 16L 41/03, B 21C 37/29

285/129.2	E 03C 1/122, E 03C 1/12, E 03C 1/1225, E 03D 11/16, F 16L 19/028
285/130.1	F 16L 41/021, F 16L 19/04, A 01G 25/023, A 61M 16/0463, A 61M 16/0816
285/131.1	F 16L 41/023, F 01N 13/08, F 16L 55/46, F 01N 13/10, F 01N 13/18
285/132.1	F 16L 41/023, E 03C 1/122, F 16L 41/02, F 16L 43/008, F 16L 47/32
285/133.11	F 16L 41/021, B 29C 65/68, B 29C 66/52241, F 16L 31/02, F 16L 41/02
285/133.21	F 16L 41/021, F 16L 41/12, F 16L 13/142, F 16L 21/022, F 16L 41/08
285/133.3	F 16L 47/32, F 16L 41/021, E 03C 1/122, F 16L 41/08, F 16L 43/008
285/133.4	F 16L 41/021, F 02M 55/025, F 02M 55/005, F 16L 19/048, F 16L 41/08
285/133.5	F 16L 47/32, B 29C 53/76, B 29D 23/008, F 16L 31/02, B 28B 21/56
285/133.6	F 16L 41/021, B 21C 37/29, E 04D 13/08, E 04D 2013/082, F 16L 25/14
285/134.1	B 21C 37/283, F 16L 43/00, E 03C 1/184, E 03C 1/284, E 03C 1/292
285/135.1	C 10G 7/00, C 10G 9/00, C 10G 9/06, F 16L 43/001, F 16L 43/005
285/135.2	C 10G 9/00, F 16L 43/00, C 10G 7/00, B 22C 7/06, C 10G 9/06
285/135.3	C 10G 9/00, F 16L 43/00, C 10G 7/00, F 16L 43/005, C 10G 9/06
285/135.4	F 16L 43/00, F 28F 9/26, C 10G 9/14, F 16L 19/04, F 16L 19/05
285/135.5	F 16L 43/00, C 10G 9/00, E 21F 15/08, F 16L 21/06, F 16L 23/10
285/136.1	F 16L 41/086, F 16L 5/10, F 16L 41/08, F 16L 5/08, F 16L 37/008
285/137.11	E 03C 1/042, F 16L 5/00, F 16L 41/086, F 16L

	3/00, F 16L 5/027
285/138.1	A 01J 11/00, F 16L 5/00, F 16L 27/047, F 21V 21/30, F 22G 3/009
285/139.1	F 16L 5/10, F 16L 5/06, F 16L 41/088, F 16L 41/14, F 16L 5/00
285/139.2	F 16L 5/06, F 16L 41/14, E 03C 1/2665, F 16L 5/02, F 16L 5/08
285/139.3	F 16L 3/00, F 16L 5/00, B 05B 7/2491, B 29C 66/721, B 29K 2023/06
285/140.1	F 16L 37/008, F 16L 5/00, F 16L 41/088, F 16L 5/02, F 16L 25/0045
285/141.1	F 16L 41/084, F 16L 41/082, E 21B 10/18, F 16L 5/022, F 22G 3/009
285/142.1	F 16L 41/086, F 16L 5/02, F 16L 5/025, F 16L 5/08, F 16L 41/00
285/143.1	F 16L 37/008, F 16L 41/007, G 01K 1/14, A 61G 10/026, B 21B 27/08
285/144.1	F 16L 27/0861, B 08B 15/002, B 29D 30/0654, B 29D 30/0662, B 29D 2030/0655
285/145.1	F 16L 27/12, E 03C 1/0401, E 03C 2001/0415, E 21B 17/07, E 21B 23/01
285/145.2	F 16L 27/12, B 64C 3/40, F 16L 21/035, F 16L 23/04, F 16L 27/04
285/145.3	F 16L 27/026, F 16L 27/04, F 16L 27/00, F 16L 27/12, F 16L 27/047
285/145.4	F 16L 19/04, B 61D 17/04, F 16L 19/028, F 16L 27/026, F 16L 27/04
285/145.5	F 16L 27/026, F 16L 27/04, F 16L 27/053, E 03F 1/008, E 21B 17/017
285/146.1	F 16L 27/04, F 16L 11/18, F 16L 27/1004, F 16L 27/047, F 16L 27/053
285/146.2	F 16L 27/04, F 16L 11/18, F 16L 27/026, F 16L 27/044, E 21B 17/085
285/146.3	F 16L 27/04, F 16L 27/053, F 16L 27/06, F 16L 27/103, F 01N 13/1811

285/147.1	F 16L 27/0845, F 16L 27/0861, F 16L 27/093, D 06F 58/20, F 16L 27/0837
285/147.2	F 16L 27/0861, F 16N 21/04, B 05B 15/066, B 64D 39/06, E 03B 9/12
285/147.3	F 16L 27/0861, B 05B 15/066, F 16L 27/00, F 16L 27/04, F 16L 27/067
285/148.1	F 16L 13/126, F 16L 19/04, F 16L 19/06, B 23B 31/083, B 23B 51/126
285/148.3	B 61G 5/08, B 60T 17/043, E 21B 17/023, E 21B 17/04, E 21B 17/06
285/148.5	B 21D 39/04, B 29C 31/002, B 05C 11/00, B 65H 81/08, F 16B 7/025
285/148.6	F 16L 15/008, F 16L 55/178, F 16J 15/008, F 16L 19/04, F 16L 19/046
285/148.7	E 21B 17/042, F 16L 13/04, E 03C 1/282, F 04D 29/628, F 16L 13/08
285/148.8	F 16L 13/06, F 16L 13/122, F 16L 21/04, F 16L 23/02, F 16L 23/024
285/148.9	F 16L 19/0218, F 16L 13/08, F 16L 19/0206, F 16L 19/0225, F 16L 19/0231
285/148.11	F 16L 19/04, E 21B 17/042, F 16L 15/001, F 16L 15/006, F 16L 15/08
285/148.12	F 16L 13/08, F 16L 13/007, F 16L 23/12, F 16L 13/02, B 21D 39/04
285/148.13	F 16L 47/24, F 16L 33/26, F 16L 31/00, F 16L 33/213, F 16L 21/08
285/148.14	F 16L 37/084, F 16L 37/088, F 16L 37/0985, F 16L 37/248, F 16L 33/221
285/148.15	F 16L 27/0816, F 16L 27/0812, F 16L 33/224, F 16L 37/084, A 61M 39/1055
285/148.16	F 16L 33/2076, A 61M 16/0816, A 61M 16/0875, A 61M 39/10, A 61M 39/12
285/148.17	F 16L 33/00, F 16L 21/005, F 16L 33/222, F 16L 33/23, F 01P 11/02
285/148.18	F 16L 25/14, F 16L 31/00, B 60S 3/04, F 16L

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285/148.19	E 21B 17/042, F 16L 15/008, F 16L 15/003, F 16L 19/0206, F 16L 15/001
285/148.21	E 21B 33/05, F 01P 11/04, F 16L 23/06, F 16L 31/02, F 16L 33/245
285/148.22	F 16L 25/14, F 16L 55/00, E 03F 1/002, E 04D 13/08, E 04D 2013/0813
285/148.23	F 16L 25/14, H 02G 3/0616, F 16L 21/002, E 03C 1/122, F 16L 15/08
285/148.24	F 16L 21/002, F 16L 25/00, F 16L 25/14, F 16L 41/025, F 16L 55/07
285/148.25	F 16L 23/12, B 60K 15/04, B 64D 37/005, E 21B 33/04, F 01N 13/1811
285/148.26	F 16L 25/14, F 16L 21/065, F 01N 13/1805, F 16L 21/002, B 25B 27/10
285/148.27	F 16L 37/103, F 16B 2/18, F 16B 7/0413, F 16B 21/02, F 16L 5/08
285/148.28	F 16L 19/0218, F 16L 19/00, E 21B 17/04, E 21B 17/042, F 16L 15/001
285/148.2	F 16L 37/248, E 21B 17/046, E 21B 21/01, F 16L 15/006, F 16L 27/093
285/148.4	F 16L 27/04, F 16L 27/0812, F 16N 21/04, A 47L 9/242, A 61B 6/481
285/149.1	H 02G 3/0616, H 02G 3/0683, H 02G 3/06, F 16L 5/06, H 02G 3/0608
285/150.1	F 16L 39/00, H 02G 9/06, F 16L 37/56, F 16L 1/036, F 16L 9/18
285/151.1	H 02G 3/0616, H 02G 3/0675, F 16L 5/06, F 16L 19/061, F 16L 19/075
285/152.1	H 02G 9/06, A 62C 3/16, F 16L 21/025, F 16L 37/56, F 16L 39/00
285/153.1	F 21V 21/26, H 02G 3/06, F 16B 7/06, F 16C 11/106, F 16L 27/04
285/153.2	F 21V 21/26, F 21V 21/28, F 16C 11/106, F 16C 11/10, F 16L 3/015

285/153.3	F 21V 21/26, H 01R 35/02, F 16L 27/047, F 16M 11/14, F 21V 19/02
285/154.1	H 02G 3/0616, H 02G 3/065, F 16L 5/00, F 16L 41/14, F 16L 37/008
285/154.2	H 02G 3/0616, H 02G 3/0691, F 16G 13/10, F 16G 13/16, F 16L 3/015
285/154.3	H 02G 3/0683, H 02G 3/0675, H 02G 3/0616, H 02G 3/0691, F 16G 11/00
285/154.4	H 02G 3/0683, H 02G 3/06, H 02G 3/0616, H 02G 3/083, F 16L 21/065
285/179	F 16L 43/001, F 16L 43/00, B 65G 53/523, F 16L 43/008, F 15D 1/04
285/179.1	H 02G 3/06, F 16L 43/00, F 16L 45/00, E 03C 1/122, H 02G 3/0608
285/179.2	F 15D 1/04, F 16L 27/082, F 16L 41/021, F 16L 43/00
285/180	E 03D 11/18, F 16L 41/06, F 16N 21/04, F 16L 25/00, F 16L 25/04
285/181	F 16L 27/0849, F 16L 27/0832, F 16L 27/0845, F 16M 11/04, H 02G 3/0608
285/182	F 16L 43/002, F 24H 9/0052
285/183	F 16L 43/001, B 21C 37/286, F 16L 41/082, F 16L 43/00, F 16L 43/002
285/184	F 16L 27/0849, F 16L 27/08, F 16L 27/0841, E 21B 7/067, F 16L 27/04
285/185	F 21V 21/26, F 16C 11/04, F 16L 27/0845, F 16L 27/0849, F 16L 27/093
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285/189	F 16L 41/084, F 16L 41/08, F 16L 37/008, F 16L 41/082, F 16L 41/088
285/190	F 16L 27/093, F 16L 41/005, F 16L 27/0828, F 16L 27/087, E 21B 21/02

285/191	E 03C 1/306, F 16L 41/086, F 16L 41/14, G 21C 15/18, Y 02E 30/40
285/192	F 16L 5/00, F 16L 41/084, F 16L 5/06, F 16L 41/08, E 03F 5/02
285/193	E 03C 1/0401, B 65G 67/00, B 65G 2814/0362, E 03C 1/042, E 03C 1/23
285/194	F 16L 5/00, H 02G 3/0691, H 02G 3/0658, H 02G 3/0683, H 02G 3/065
285/195	H 02G 3/0683, F 16B 2/065, H 01R 13/5812, H 02G 3/0691, H 05K 5/0247
285/196	F 16L 41/088, F 16L 41/14, F 04B 33/005, F 16L 37/05, F 16L 41/001
285/197	F 16L 41/12, F 16L 41/06, F 16L 47/30, F 16L 37/008, F 16L 47/345
285/198	F 16L 41/12, F 16L 41/06, F 16L 19/04, F 16L 19/048, A 61M 16/104
285/199	F 16L 41/06, F 16L 41/12, F 16L 41/002, F 01L 5/02, F 01L 7/04
285/200	F 16L 41/08, B 64D 37/005, F 16L 41/086, B 64D 2700/62377, Y 02T 50/44
285/201	B 65D 39/084, B 65D 90/10, F 16L 41/084, B 01D 35/26, B 01D 2201/50
285/202	B 65D 39/084, B 21D 51/40, B 65D 39/086, B 21D 51/38, B 60K 17/04
285/203	B 65D 39/084, B 21D 51/40, F 16L 41/082, F 16L 41/084, B 21D 51/42
285/204	B 65D 39/084, B 65D 39/086, B 21D 51/40, B 60K 15/04, F 16L 41/082
285/205	F 16L 41/086, F 16L 37/008, B 60H 1/00571, F 16L 23/18, F 16L 41/084
285/206	F 16L 41/14, B 65D 39/086, F 16L 41/084, F 16L 41/086, F 24H 9/124
285/207	H 02G 3/0616, F 16L 5/00, F 16L 19/065, F 16L 25/0036, H 02G 3/0675
285/208	F 16L 41/14, H 02G 3/0616, F 16L 5/00, F 16L

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285/209	B 60K 15/03519, F 16L 41/001, F 16L 41/084, F 16L 41/14, F 16L 47/28
285/210	F 16L 41/14, B 67D 7/0238, F 16B 2/06, F 16B 5/0642, F 16B 13/04
285/211	F 28F 9/04, F 16L 41/001, F 16L 41/082, F 28F 9/0246, F 28F 9/0248
285/212	F 16L 41/10, F 16L 15/008, F 16L 41/007, F 16L 13/165, F 16L 19/0212
285/213	F 28F 19/002, F 16L 41/001, F 16L 41/088, E 03C 1/22, E 03F 3/04
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285/216	F 16L 41/088, B 60T 13/567, F 16L 37/008
285/217	H 02G 3/0683, F 16L 41/08, H 02G 3/065, F 16G 11/06, H 02G 3/0691
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285/219	G 01L 19/0007, F 16L 41/10, F 16L 41/08, G 01L 19/0015, B 21C 37/29
285/220	F 16L 41/10, F 16L 41/007, F 16L 15/008, F 16L 15/04, F 16L 41/084
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285/222	F 16L 41/082, B 21D 39/06, F 16L 23/024, F 16L 13/166, F 16L 41/001
285/222.1	F 16L 33/01, F 16L 33/224, F 16L 33/003, F 16L 33/16, F 16L 33/22
285/222.2	F 16L 33/01, F 16L 33/003, F 16L 33/26, F 16L 33/2076, F 16L 33/224
285/222.3	F 16L 33/003, B 29C 70/205, B 29C 70/86, B 29D 23/001, B 29K 2021/00
285/222.4	F 16L 33/01, F 16L 33/2076, F 16L 33/207, F 16L 33/2073, F 16L 33/34



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<b>285/223</b>	<b>F 16L 27/103, E 21B 17/085, F 01N 13/1805, F 16L 27/10, F 16L 27/1012</b>
<b>285/224</b>	<b>E 21D 11/385, A 01K 7/027, A 01K 7/06, E 02D 29/16, F 01N 13/06</b>
<b>285/225</b>	<b>B 01J 3/03, F 01P 7/16, F 16D 3/84, F 16D 2200/006, F 16J 15/52</b>
<b>285/226</b>	<b>F 16L 27/11, F 01N 13/1816, F 16L 27/111, F 01N 13/1811, F 16L 51/025</b>
<b>285/227</b>	<b>F 01N 13/1816, F 16L 27/11, F 16L 27/111, F 16L 27/1004, F 16L 51/027</b>
<b>285/228</b>	<b>F 16L 51/035, F 16L 51/03, B 64G 1/40, B 64G 1/402, F 01D 9/06</b>
<b>285/229</b>	<b>F 16L 51/024, F 16L 27/108, F 16L 51/021, F 16L 51/022, F 16L 33/28</b>
<b>285/230</b>	<b>F 16L 25/0027, F 16L 21/005, F 16L 51/005, E 01D 19/16, E 04C 5/10</b>
<b>285/231</b>	<b>F 16L 21/03, F 16L 27/12, F 16L 27/113, F 16L 27/1017, F 16L 21/08</b>
<b>285/232</b>	<b>F 16L 19/086, F 16L 21/08, F 16L 21/04, F 16L 27/1008, F 16L 27/12</b>
<b>285/233</b>	<b>F 16L 27/12, F 16L 27/113, F 16L 27/1136, F 16L 19/028, F 16L 27/1133</b>
<b>285/234</b>	<b>F 16L 27/1008, F 16L 19/04, F 16L 21/06, F 16L 27/12, F 01N 13/1811</b>
<b>285/235</b>	<b>F 16L 21/005, F 16L 27/107, F 16L 25/00, F 16L 25/14, F 16L 47/10</b>
<b>285/236</b>	<b>F 16L 21/005, F 16L 27/107, F 16L 27/1133, F 16L 21/002, F 16L 25/14</b>
<b>285/237</b>	<b>B 29C 37/0082, B 29C 65/4895, B 29C 66/534, E 21B 17/04, E 21B 17/042</b>
<b>285/238</b>	<b>F 16L 33/32, F 16L 25/01, F 16L 33/22, F 16L 33/224, F 16L 33/28</b>
<b>285/239</b>	<b>F 16L 33/30, F 16L 31/00, F 16L 33/16, F 16L</b>

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285/241	B 29C 35/04, B 29C 35/049, B 29L 2023/005, B 43K 5/04, F 16L 21/005
285/242	F 16L 33/225, F 16L 33/22, F 16L 33/2071, F 16L 33/2076, F 16L 33/02
285/243	F 16L 33/222, F 16L 33/221, F 16L 33/225, F 16L 33/23, F 16L 33/12
285/244	F 16L 33/00, F 16L 33/225, F 16L 33/02, F 16L 33/12, A 47L 9/1427
285/245	F 16L 33/24, F 16L 33/223, F 16L 11/16, F 16L 15/001, F 16L 15/006
285/246	F 16L 33/222, F 16L 19/04, B 21D 15/06, B 21D 15/10, B 21D 26/033
285/247	F 16L 33/223, F 16L 47/04, F 16L 33/24, F 16L 19/04, F 16L 33/224
285/248	F 16L 33/224, F 16L 47/04, F 16L 25/0036, F 16L 19/04, F 16L 33/222
285/249	F 16L 33/224, F 16L 33/222, F 16L 47/04, F 16L 19/10, F 16L 19/061
285/250	F 16L 33/222, F 16L 33/224, F 16L 33/223, F 16L 47/04, F 16L 19/086
285/251	F 16L 33/24, A 47L 9/242, F 16L 33/22, F 16L 33/26, F 16L 33/30
285/252	F 16L 33/02, F 16L 33/12, B 29D 23/18, B 29K 2021/00, F 16L 33/08
285/253	F 16L 33/23, F 16L 33/04, F 16L 33/08, F 16L 33/22, F 16L 25/0036
285/254	A 47L 9/242, B 29D 23/001, B 29K 2021/00, F 16L 9/08, F 16L 25/0027
285/255	F 16L 33/225, F 16L 33/22, F 16L 33/222, F 16L 33/227, F 16L 37/0925
285/256	F 16L 33/2076, F 16L 33/207, F 16L 33/2073, F 16L 33/2071, F 16L 33/2078

<b>285/257</b>	<b>F 16L 33/2076, F 16L 31/00, F 16L 33/22, F 16L 33/02, F 16L 33/2073</b>
<b>285/258</b>	<b>F 16L 33/213, F 16L 25/0036, F 16L 13/147, F 16L 33/01, F 16L 33/20</b>
<b>285/259</b>	<b>F 16L 33/30, F 16L 33/01, F 16L 33/2076, F 16L 33/24, E 21B 17/00</b>
<b>285/260</b>	<b>F 16L 31/00, B 64F 1/362, E 21F 1/06, F 16L 37/084, A 41D 19/0089</b>
<b>285/261</b>	<b>F 16L 27/04, F 16L 27/053, F 16L 27/047, F 16L 27/06, F 16L 37/52</b>
<b>285/262</b>	<b>F 16L 27/04, F 16L 27/02, F 16L 27/047, F 16L 27/053, F 16L 27/06</b>
<b>285/263</b>	<b>F 16L 27/04, F 16L 27/053, F 16L 27/06, F 16L 27/047, F 16L 27/073</b>
<b>285/264</b>	<b>F 21V 21/26, F 21V 21/28, F 16L 37/52, F 21V 21/29, A 47L 9/06</b>
<b>285/265</b>	<b>F 16L 27/04, F 16L 27/06, F 02K 1/80, F 02K 1/805, F 05B 2240/57</b>
<b>285/266</b>	<b>F 16L 27/04, F 16L 27/023, F 16L 27/047, F 16L 27/073, F 16L 27/053</b>
<b>285/267</b>	<b>F 16L 27/06, F 16L 27/073, F 01N 13/1811, F 01N 13/1827, F 16L 27/04</b>
<b>285/268</b>	<b>F 16L 27/053, F 16L 27/04, B 63B 35/4406, E 21B 17/085, E 21B 19/002</b>
<b>285/269</b>	<b>F 16L 27/06, F 16L 27/04, F 16L 27/053, F 01N 13/1811, F 16L 11/18</b>
<b>285/270</b>	<b>F 16L 27/053, F 16L 27/04, F 16L 27/06, F 16L 27/073, F 21V 21/30</b>
<b>285/271</b>	<b>F 16L 27/06, F 16L 27/073, F 16L 27/053, F 16L 11/18, F 16L 27/04</b>
<b>285/272</b>	<b>F 16L 27/0832, F 16L 27/0816, F 16L 27/08, A 61M 16/08, F 16L 27/0828</b>
<b>285/272.1</b>	<b>B 05B 15/02, B 05B 15/066, E 21B 21/02, F 16L 27/0828, F 16L 27/0845</b>
<b>285/273</b>	<b>F 21V 21/26, A 47L 9/06, A 47L 9/0613, B 60H</b>

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285/277	F 16L 37/23, F 16L 37/22, F 16L 37/40, F 16L 37/088, A 61M 39/1011
285/278	F 16L 27/0812, F 16L 27/0816, A 47L 7/009, A 47L 9/242, A 61M 39/0208
285/279	F 16L 27/0816, F 16L 19/025, F 16L 27/00, F 16L 27/0804, F 16L 27/0812
285/280	F 16L 27/0812, F 16N 21/04, F 16L 27/082, F 16L 37/53, A 01G 25/095
285/281	F 16L 27/0816, E 21B 21/02, F 16L 27/082, F 16L 27/0832, F 16L 27/0808
285/282	F 21V 21/26, F 16B 7/1427, F 16C 11/06, F 16L 25/0063, F 16L 27/08
285/283	F 16L 27/0849, F 01N 13/1805, A 47L 9/242, B 29C 31/066, B 29C 47/0822
285/284.1	H 02G 3/0608, B 23K 37/0533, B 23K 2201/06, F 16K 27/003, F 16L 1/10
285/285.1	F 16L 47/02, B 29C 66/1122, B 29C 66/5221, F 16L 13/113, F 16L 13/126
285/286.1	F 16L 13/122, F 16L 13/103, F 16L 47/02, A 61M 39/12, A 61M 2039/1027
285/286.2	B 23K 1/20, B 23K 2201/06, F 16L 13/06, F 16L 23/165, F 16L 31/00
285/287.1	F 16L 13/11, E 02B 11/005, F 16L 13/106, F 16L 13/12, F 16L 13/122
285/288.1	F 16L 13/02, E 21B 17/08, F 16L 13/0209, F 16L 41/084, B 29C 65/02
285/288.2	F 16L 13/0236, B 23K 5/006, B 23K 9/0026, B 23K 9/007, B 23K 9/23

285/288.3	B 21D 39/066, B 23K 33/006, B 23K 2201/06, F 16L 13/14, F 16L 13/147
285/288.4	F 16L 13/007, F 16L 13/02, B 23K 11/0046, B 23K 11/0935, B 23K 37/08
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285/288.6	F 16L 13/04, B 23K 33/006, F 16L 13/02, B 23K 9/0284, B 23K 9/0286
285/288.7	F 16L 13/08, H 01J 5/28, H 01J 2893/0044
285/288.8	F 16L 57/02, F 16L 13/0236, F 16L 13/06
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285/289.1	F 16L 13/08, B 23K 1/20, F 16L 33/26, B 23K 35/302, B 23K 2201/06
285/289.2	F 16L 13/08, F 16L 13/12
285/289.3	F 16L 13/08, F 16L 13/161, F 16L 15/006, F 16L 19/046, A 62C 13/08
285/289.4	H 01J 5/28, H 01J 2893/0044
285/289.5	F 16L 13/08, B 23K 1/20, B 21C 37/28, B 21C 37/29, B 23K 31/027
285/290.1	F 16L 13/113, F 16L 25/0027, F 16L 13/124, F 16L 51/005, B 29C 70/86
285/290.2	F 16L 13/113, F 16L 25/0027, F 16L 9/08, F 16L 13/12, F 16L 33/01
285/290.3	F 16L 13/113, F 16L 25/0027, F 16L 13/11, F 16L 51/005, E 21B 17/01
285/290.4	F 16L 13/113, F 16L 25/0027, B 28B 21/60, F 16L 51/005
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285/291.1	B 29C 65/54, B 29C 66/534, B 29L 2023/18, F 16L 13/04, F 16L 13/103

285/291.2	B 65D 41/04, B 65D 41/0471, B 65D 43/0231, E 21B 17/042, E 21B 17/043
285/292.1	E 04C 3/34, E 04H 12/12, F 16L 9/08, F 16L 13/113, F 16L 25/0027
285/293.1	B 28B 21/563, B 29C 70/766, F 16L 13/11, F 16L 13/12, F 16L 13/122
285/294.1	F 16L 13/12, B 29C 66/1122, B 29C 66/5221, B 29C 66/52241, F 16L 13/11
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285/294.3	B 29C 65/54, B 29C 66/1122, B 29C 66/5221, F 16L 13/11, F 16L 13/116
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285/295.1	F 16L 13/122, F 16L 1/10, F 16L 13/11, F 16L 13/124, F 16L 21/03
285/295.2	F 16L 13/122, A 61M 39/10, A 61M 39/12, F 16L 21/03, F 16L 21/035
285/295.3	F 16L 13/122, F 16L 21/035, F 16L 21/025, F 16L 21/03, F 16L 21/04
285/296.1	F 16L 13/11, B 21K 1/16, F 16L 47/24, F 16L 13/113, F 16L 13/116
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285/300	F 16L 27/11, F 16L 51/029, F 16L 27/12, F 16L 51/025, F 16L 51/028
285/301	F 16L 51/028, F 16L 51/027, F 16L 27/11, D 01G 15/38, F 01N 13/1816
285/302	F 16L 27/12, E 21B 17/07, A 62C 37/09, B 05B 15/10, B 60T 17/043
285/303	F 16L 37/144, A 47L 9/244, E 21B 34/12, F 16L 27/12, F 16L 37/04
285/304	F 16L 37/23, F 16L 37/088, F 16L 37/084, A 61C

	1/18, B 29C 45/4407
285/305	F 16L 37/144, F 16L 37/088, F 16L 37/148, F 16L 2201/10, F 16L 37/1225
285/306	F 16N 21/04, F 16L 17/04, F 16L 27/0816, F 16L 37/002, F 16L 37/091
285/307	F 16L 37/088, F 16L 37/00, F 16L 37/084, F 16L 37/092, F 16L 37/0925
285/308	F 16L 37/088, F 16L 37/091, F 16L 37/0841, F 16L 37/0982, F 16L 37/0985
285/309	E 21B 17/046, F 16L 37/088, F 16L 37/1205, A 47L 9/242, E 02D 5/523
285/310	C 21C 5/4606, F 16L 19/06, F 16L 25/065, F 16L 27/044, F 16L 37/10
285/311	F 16L 37/20, F 16L 37/12, F 16L 37/18, F 16L 33/12, F 16L 37/1205
285/312	F 16L 37/18, F 16L 37/05, F 16L 37/16, F 16L 37/127, B 64F 1/362
285/313	F 16L 37/127, F 16L 37/22, F 16L 37/23, E 21B 33/038, F 16L 37/0925
285/314	F 16L 37/101, F 16L 37/10, F 16L 37/0982, F 16L 37/0985, F 16L 37/133
285/315	F 16L 37/133, E 21B 33/038, F 16L 37/0842, F 16L 37/088, F 16L 37/121
285/316	F 16L 37/23, F 16L 37/22, F 16L 37/40, F 16L 37/42, F 16L 37/0841
285/317	F 16L 37/0841, F 16L 37/086, F 16L 37/12, F 16L 37/088, F 16L 37/0844
285/318	F 16L 37/084, F 16L 15/08, E 21B 17/043, F 16B 21/18, F 16L 21/08
285/319	F 16L 37/0987, F 16L 37/0985, F 16L 37/098, F 16L 37/144, F 16L 2201/10
285/320	F 16L 37/096, F 16L 37/12, F 16L 37/18, F 16L 37/0844, F 16L 37/0985
285/321	F 16L 37/088, F 16L 21/08, F 16L 37/148, F 16L 37/092, F 16L 25/0045

285/322	F 16L 37/0925, F 16L 37/091, F 16L 33/227, F 01N 13/1805, F 16L 21/08
285/323	F 16L 37/0925, F 16L 19/08, H 02G 3/0616, H 02G 3/06, F 16L 21/08
285/324	F 16L 25/14, F 01N 13/1805, F 01N 13/1811, F 01N 2450/26, F 01N 2470/24
285/325	F 16L 37/26, F 16N 21/04, F 16L 23/14, F 16L 23/02, F 16L 37/12
285/326	F 16L 37/26, F 16L 37/12, F 16L 37/18, F 16N 21/04
285/327	F 16L 37/26, F 16N 21/04, F 16L 19/0218, F 16L 19/0231
285/328	F 16L 19/0212, F 16L 19/0218, F 16L 19/025, F 16L 21/08, F 16L 23/032
285/329	F 16L 19/04, F 16L 33/26, B 22D 19/12, C 25D 5/10, C 25D 5/36
285/330	E 21B 17/046, A 61M 2039/1033, A 61M 39/10, F 16L 13/141, F 16L 15/006
285/331	F 16L 47/04, F 16L 19/04, E 21B 17/042, F 16L 19/0218, F 16L 19/041
285/332	F 16L 19/0225, A 61M 2039/1033, F 16L 19/0231, F 16L 37/252, A 61M 39/10
285/332.1	F 16L 19/04, A 61M 39/10, A 61M 2039/1033, F 16L 19/025, F 16L 19/05
285/332.2	E 21B 17/042, F 16L 15/003, F 16L 15/04, F 16L 19/04, E 21B 17/0423
285/332.3	F 16L 19/0218, E 21B 17/042, F 16L 15/04, F 16L 15/003, F 16L 15/008
285/332.4	F 16L 19/045, E 21B 17/042, F 16L 19/04, E 04H 12/08, E 21B 17/04
285/333	E 21B 17/042, F 16L 15/004, F 16L 15/001, F 16L 15/00, F 16L 15/003
285/334	E 21B 17/042, F 16L 15/004, F 16L 15/001, E 21B 17/0423, F 16L 15/003
285/334.1	F 16L 19/04, F 16L 15/008, F 16L 19/041, F 16L



	15/001, F 16L 19/05
285/334.2	F 16L 23/20, F 16L 19/041, F 16L 19/04, F 16L 23/08, E 21B 2033/005
285/334.3	F 16L 19/0218, F 16L 19/046, F 16L 27/1008, F 16L 31/00, F 16L 33/22
285/334.4	F 16L 19/04, F 16L 19/0225, F 16J 15/0887, F 16L 19/0218, F 16L 19/028
285/334.5	F 16L 19/04, F 16L 19/05, F 16L 19/045, F 16L 19/0283, F 16L 19/028
285/335	F 16L 17/067, H 01J 37/023
285/336	F 16L 23/20, F 16L 23/18, F 16L 23/22, F 16L 23/02, F 16L 19/0218
285/337	F 16L 21/08, F 16L 21/04, F 16L 55/178, F 16L 21/065, F 16L 21/06
285/338	F 16L 55/132, F 16L 21/007, F 16L 21/045, B 22D 41/502, B 22D 41/58
285/339	F 16L 37/0925, F 16L 21/04, F 16L 23/036, F 16L 25/065, F 16L 37/0845
285/340	F 16L 37/091, F 16L 19/086, F 16L 19/08, F 16L 19/10, F 16L 21/08
285/341	F 16L 19/10, F 16L 19/12, F 16L 19/08, F 16L 19/103, F 16L 19/065
285/342	F 16L 19/10, F 16L 19/12, F 16L 19/103, F 16L 21/04, F 16L 19/065
285/343	F 16L 19/086, F 16L 19/10, F 16L 19/12, F 16L 19/14, F 16L 19/08
285/344	F 16L 21/022, F 16L 21/025, F 16L 15/008, F 16L 23/0286, F 16L 23/04
285/345	F 16L 17/032, F 16L 21/022, F 16L 21/03, F 16L 21/08, B 08B 15/002
285/346	F 16L 37/05, B 01L 3/565, F 15C 5/00, F 16B 7/0446, F 16J 15/32
285/347	F 16L 15/008, F 16K 15/20, F 16L 19/04, F 16L 33/18, F 16L 37/084

285/348	F 16L 21/04, F 16L 25/08, F 16L 37/05, E 21B 33/04, F 16L 19/0218
285/349	F 16L 9/08, F 16L 15/003, F 16L 15/008, F 16L 25/0027, B 60H 1/3229
285/350	E 21B 17/042, F 16L 15/003, F 16L 15/004, F 16L 15/008, F 16L 15/04
285/351	F 16L 23/18, A 61M 16/08, B 21D 39/04, B 60H 1/00571, E 21B 17/04
285/352	B 61G 5/08, F 16L 19/065, F 16L 19/08, F 16L 23/024, F 16L 37/10
285/353	F 16L 19/0286, F 16L 19/0231, F 16L 19/028, F 16L 19/0218, F 02M 55/005
285/354	F 16L 19/0218, F 16L 19/0231, F 16L 19/025, F 16L 19/02, F 16L 19/0212
285/355	F 16L 15/008, F 16L 15/04, E 21B 17/042, F 16L 15/003, F 16L 47/16
285/356	B 60C 29/064, F 16L 19/028, F 16L 19/04, F 16L 19/07, F 16L 21/04
285/357	F 16L 15/001, F 16L 19/0218, F 16L 55/027, F 04B 39/123, F 16L 15/003
285/358	F 16L 37/18, F 16L 37/123, E 05B 75/00, F 16L 21/007, F 16L 33/12
285/359	F 16L 21/04, F 16L 37/113, F 16L 37/252, F 16L 37/107, F 16N 21/04
285/360	F 16L 37/252, F 16L 37/113, E 03C 1/20, F 16L 37/2445, A 61M 39/1011
285/361	F 16L 37/248, F 16L 37/107, F 16L 37/113, F 16L 37/252, F 16N 21/04
285/362	F 16L 37/252, F 16L 37/113, F 16L 37/101, F 16L 15/08, F 16L 21/08
285/363	F 16L 23/14, F 24F 13/0209, F 16L 23/032, F 16L 23/18, F 16L 23/20
285/364	F 16L 23/036, F 16L 23/14, F 24F 13/0209, F 16L 23/04, F 16L 23/08
285/365	F 16L 23/06, F 16L 23/04, F 16L 17/04, F 16L

	21/06, F 16L 23/16
285/366	F 16L 23/0283
285/367	F 16L 23/08, F 16L 23/10, F 16L 17/04, F 16L 21/065, F 16L 21/06
285/368	F 16L 23/032, F 16L 23/0283, F 16L 23/02, F 16L 23/18, F 16L 23/024
285/369	F 16L 21/005, F 16L 21/08, F 16B 1/0014, F 16L 21/022, F 16L 21/04
285/370	F 16L 21/022, F 16L 21/08, F 16L 55/163, B 64D 37/005, B 64D 37/12
285/371	B 01D 63/065, F 16L 13/103, B 01D 65/027, B 01D 2313/00, B 01D 2313/04
285/372	F 16L 21/04, F 16L 21/005, F 16L 37/20
285/373	F 16L 21/06, F 16L 21/005, F 16L 17/04, F 16L 21/065, F 16L 25/0036
285/374	F 16L 21/03, F 16L 21/08, F 16L 21/035, E 21B 17/046, F 16L 13/142
285/375	F 16L 37/252, F 16L 37/248, B 29D 30/0654, B 29D 2030/0658, F 16L 17/073
285/376	F 16L 37/252, F 16L 37/248, F 16L 37/113, F 16L 19/086, F 16L 37/0925
285/377	F 16L 37/252, B 25B 27/10, B 65D 77/067, F 02B 33/44, F 02B 37/00
285/378	F 16L 15/003, F 16L 15/008, F 16L 37/256, F 16L 41/007
285/379	F 16L 19/0218, F 16L 19/0212, F 16L 37/256, C 23C 16/44, C 23C 16/455
285/380	F 16L 37/122, F 16J 15/12
285/381.1	F 16L 47/22, F 16L 15/08, F 16L 37/002, B 21D 39/04, B 29C 61/006
285/381.2	F 16L 13/004, B 23P 11/025, B 23P 11/02, C 09D 5/26, F 16B 1/0014
285/381.3	F 16L 13/004, F 16B 1/0014, B 29C 61/0608, B 29K 2705/00, F 16L 13/08

285/381.4	B 29C 65/66, B 29C 66/1122, B 29C 66/5221, F 16L 47/22, B 29K 2023/00
285/381.5	B 29C 61/0608, B 29C 61/0616, B 29C 65/68, B 29C 66/1122, B 29C 66/5221
285/382	F 16L 13/141, F 16L 13/146, B 21D 39/04, F 16L 13/142, F 16L 13/143
285/382.1	B 21D 39/04, B 21D 39/20, E 03C 1/26, E 21B 17/04, E 21B 17/046
285/382.2	B 21D 39/04, F 16L 13/146, F 16L 13/142, F 01N 13/1805, F 16L 13/165
285/382.4	E 21B 43/106, E 21B 43/103, B 21D 39/04, F 16L 13/147, F 16L 13/166
285/382.5	B 21D 39/04, F 16L 13/147, F 16L 13/165, F 16L 13/166, B 21D 39/06
285/382.7	F 16L 19/103, F 16L 19/08, F 16L 19/10, F 16L 19/061, F 16L 19/065
285/383	F 16L 17/04, F 16L 21/06, H 02G 3/06, F 16L 21/002, F 16L 21/08
285/384	A 61M 39/105, A 61M 39/1055, A 61M 2039/1033, A 61M 2039/1038, F 16L 19/02
285/385	H 02G 3/06, F 16L 19/08, F 16L 19/083, F 16L 19/086, G 01N 30/6039
285/386	F 16L 19/0225, F 16L 19/04, A 61M 39/1011, A 61M 2039/1033, F 16L 15/08
285/387	F 16L 19/0231, B 65D 41/08, F 16L 19/005, F 16L 19/0237, F 16L 33/12
285/388	F 16L 15/006, F 16L 19/0231, F 16L 11/15, F 16L 19/00, F 16L 19/02
285/389	F 16L 19/10, H 02G 3/0616, F 16L 19/08, F 16L 19/0218, F 16L 19/061
285/390	F 16L 15/006, E 21B 17/042, F 16L 15/08, F 16L 47/16, E 21B 17/08
285/391	F 16L 37/2445, E 21B 17/042, E 21B 29/005, F 16L 15/006, F 16L 15/008
285/392	F 16L 15/006, A 47L 9/242, F 16L 15/08, F 16L

	19/00, F 16L 19/0231
285/393	H 02G 3/0616, F 02B 75/222, F 02B 2075/1856, F 02F 1/045, F 16L 15/006
285/394	E 21B 33/038, F 16L 21/002, F 16L 37/10, F 16L 37/18, F 16L 37/242
285/395	B 22F 3/1055, B 22F 5/106, B 22F 7/062, B 28B 1/00, B 28B 1/001
285/396	E 21B 17/046, F 16L 37/252
285/397	F 16B 7/0413, E 04G 7/20, F 16L 21/002, F 16L 21/022, F 16L 37/1235
285/398	F 01N 13/1844, F 16L 21/002, F 24F 13/0209, B 29C 65/5042, B 29C 66/1142
285/399	E 01F 5/005, F 16B 7/0413, F 16L 9/003, F 16L 13/002, F 16L 23/14
285/400	F 01N 13/1805, F 01N 2450/24, F 16L 21/08
285/401	F 16L 37/252, E 02B 11/005, F 16L 9/127, F 16L 11/118, F 16L 25/0045
285/402	F 16L 37/252, F 16L 37/248, A 61M 39/10, A 61M 39/1011, A 61M 2039/1027
285/403	F 16L 21/08, E 21B 17/046, E 21B 17/08, F 16L 25/065, F 16L 25/10
285/404	F 16L 25/08, F 16L 25/065, E 21B 33/085, F 16B 7/1472, E 21B 17/046
285/405	F 24F 13/0209, F 16L 23/14, F 16L 23/032, F 16L 23/024, F 16L 9/003
285/406	F 16L 23/036, F 16L 37/1225, F 16L 23/04, F 16L 23/14, F 24F 13/0209
285/407	F 16L 23/04, F 16L 23/08, F 16L 23/10, F 16L 23/14, B 21D 53/36
285/408	F 16L 23/08, F 16L 23/10, F 16L 23/04, F 16L 23/06, F 16L 27/1133
285/409	F 16L 23/06, F 16L 33/12, F 16L 23/10, B 64D 37/12, F 16L 21/06
285/410	F 16L 23/10, F 16L 23/08, F 16L 21/06, F 02B

	67/00, F 02K 1/002
285/411	F 16L 23/10, F 16L 23/08, F 16L 21/06, E 21B 19/06, E 21B 33/05
285/412	F 16L 23/032, F 01N 13/1805, F 16L 23/036, F 01N 13/1827, F 01N 2450/24
285/413	F 16L 55/178, F 16L 23/02, F 16L 23/0283, E 03D 11/16, F 16B 2/065
285/414	F 16L 23/0283, F 16L 23/032, F 16K 5/0626, F 16K 27/067, F 16L 19/025
285/415	F 16L 23/032, F 01N 13/1805, F 16L 23/02, F 16L 23/0283, B 01L 3/565
285/416	F 16L 23/026, F 16L 23/02, B 21D 19/00, B 29C 65/06, B 29C 65/0672
285/417	F 16L 21/005, A 47L 9/242, A 47L 13/42, A 61F 2/76, B 25G 1/04
285/418	B 65G 53/52, F 16L 21/06, F 16L 57/06, B 21D 13/04, E 21B 37/02
285/419	F 16L 21/06, F 16L 21/065, F 16L 25/0036, F 01N 13/1805, F 16L 21/002
285/420	F 16L 21/065, F 01N 13/1805, F 16L 21/06, F 16L 25/04, F 16L 21/08
285/421	F 16L 21/08, F 16L 21/022, F 16L 21/04, F 16L 21/065, F 01D 5/026
285/422	E 21B 17/00, F 16J 10/04
285/423	B 29C 66/1122, B 29C 66/5221, B 29K 2023/06, B 60K 15/03519, F 16L 47/02
285/424	F 24F 13/0209, F 16L 23/14, F 16L 9/003, F 16L 25/0009, F 24F 13/0245
285/425	B 29C 66/00, E 04F 17/00, E 21B 33/05, F 02F 1/16, F 16L 9/003
285/900	E 21B 17/085, F 16L 27/04, E 21B 33/038, F 16L 27/103, F 16J 15/38
285/901	F 16L 55/11, A 61M 39/20, F 16L 45/00, F 16L 47/32, F 16L 55/10

<b>285/902</b>	F 16L 37/0844, F 16B 2/246, F 16L 37/091, H 01R 33/975, F 16B 7/0426
<b>285/903</b>	F 16L 25/0036, F 16L 25/0045, F 16L 25/0063, F 16L 37/084, F 16L 25/0054
<b>285/904</b>	F 16L 59/141, F 16L 59/065, F 16L 59/185, F 16L 39/005, H 02K 55/04
<b>285/905</b>	B 23K 35/004, F 16L 13/007, F 16L 23/24, B 23K 9/232, B 29C 66/1122
<b>285/906</b>	F 16L 37/0985, F 16L 37/0987, F 16L 21/08, F 16L 37/088, F 16L 37/0925
<b>285/907</b>	F 21V 21/26, F 21V 21/30, F 21V 21/29, F 21V 21/28, F 21V 19/02
<b>285/908</b>	F 16L 33/207, F 16L 33/2076, F 16L 33/28, A 61B 17/32002, A 61B 2017/00477
<b>285/909</b>	F 16L 47/22, B 29C 66/5221, B 29C 65/68, B 29C 66/1122, B 29C 65/66
<b>285/910</b>	F 16L 23/18, F 16L 21/04, F 16L 27/073, F 01N 13/1827, F 16L 19/0212
<b>285/911</b>	F 16L 49/04, F 16L 49/06, B 01L 3/565, F 16L 49/00, F 16L 49/02
<b>285/912</b>	F 16L 19/005, F 16L 37/002, E 21B 19/16, E 21B 33/038, F 16K 3/312
<b>285/913</b>	E 21B 17/046, E 21B 17/043, F 16L 37/252, E 21B 17/04, F 16L 15/08
<b>285/914</b>	A 61M 2205/6045, B 01D 2201/4046, F 16L 37/56, F 16L 2201/20, A 61M 39/10
<b>285/915</b>	F 16L 47/02, B 29C 66/5221, F 16L 13/103, B 29C 66/1122, F 16L 21/005
<b>285/916</b>	E 21B 17/042, F 16L 15/001, B 21D 39/04, F 16L 19/10, F 16L 27/0828
<b>285/917</b>	F 16L 23/20, F 16J 15/0887, F 16L 19/0218, F 16J 15/0881, F 16L 19/0212
<b>285/918</b>	F 16J 15/32, F 16J 15/38, F 16L 21/025, F 16L 37/088, F 16J 15/062
<b>285/919</b>	B 29C 66/5221, B 29C 66/1122, B 29C 65/02, B

	29C 66/534, B 29C 66/1142
285/920	F 16L 37/002, E 21B 33/038, F 16L 37/62, E 21B 43/013, E 21B 33/043
285/921	F 16L 37/0987, F 16L 37/0985, F 16L 37/084, F 16L 2201/10, F 16L 37/098
285/922	E 21B 17/06, E 21B 17/046, E 21B 43/10, E 21B 17/043, E 21B 17/07
285/923	B 29C 66/5221, B 29C 66/1142, B 29C 66/1122, B 29C 66/52231, B 29C 66/534
285/924	F 16L 37/088, F 16L 37/23, F 16L 37/0841, F 16L 37/0987, F 16L 37/0985
285/925	F 16J 15/068, F 28F 11/02, E 04B 2001/6818, F 16L 41/12, B 29C 61/003

<b>Most statistically relevant CPC Subclasses</b>
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F 16L, A 47L, B 29C, B 61G, E 21B, G 01F, E 04D, E 03D, F 16N, B 60P, E 03C, C 10G, H 02G, F 21V, F 16B, B 65D, F 28F, B 23K, H 01J, F 01N, B 22F
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