



TABLE 6-6(B)

**UNIVERSAL COLUMNS  
GRADE 300**

**DESIGN MEMBER CAPACITIES IN AXIAL COMPRESSION  
buckling about y-axis**

Designation	$\phi N_s$ (kN) ( $L_e = 0$ )	Design Member Capacities in Axial Compression $\phi N_c$ (kN) Effective Length ( $L_e$ ) in metres													
		1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10	11	12	13	14
310UC158 137 118 96.8	5070 4400 3780 3330	4840 4200 3610 3170	4590 3970 3410 2980	4280 3700 3170 2750	3890 3360 2870 2470	3440 2960 2520 2140	2960 2540 2160 1810	2510 2150 1820 1510	2120 1810 1540 1260	1790 1530 1300 1070	1530 1310 1110 906	1320 1130 954 778	1150 978 828 674	1000 856 724 589	
250UC 89.5 72.9	2840 2490 2520	2680 2340 2150	2490 2150 1920	2240 1920 1630	1930 1630 1330	1600 1330 1070	1310 1070 872	1070 872 716	881 716 596	735 596 502	621 502 429	531 429 370	458 370 322	399 322 274	
200UC 59.5 52.2 46.2	2060 1800 1590	1840 1610 1420	1620 1420 1250	1330 1160 1020	1030 900 786	793 689 600	616 535 466	489 425 369	396 344 299	327 283 246	274 237 206	232 202 175	200 173 151	174 151 131	
150UC 37.2 30.0 23.4	1280 1110 859	1060 903 685	821 686 507	581 476 345	410 333 239	299 242 173	227 183 131	177 143 102	142 114 81.5	116 93.7 66.7	97.1 78.1 55.6	82.2 66.1 47.0	70.5 56.6 40.3	61.1 49.1 34.9	
100UC 14.8	543	477	323	183	111	73.6	52.2	38.9	30.1	24.0	19.6	16.2	13.7	11.7	10.1

Note: All references to Grade 300 refer to the specification of OneSteel 300PLUS™ Steel or AS/NZS 3679.1-300.