

Universal Columns in accordance with BS4



| Standard dimension | | | | Reference | | | | | | | |
|---------------------|-----------------|--------------------|-------------|---|----------------|----------------------------|----------------|---------------------------------------|----------------|---|----------------|
| Serial size (mm) | Designation | Section area | Unit weight | Moment of inertia (cm ⁴) | | Radius of gyration (cm) | | Section modulus (cm ³) | | Plastic section modulus (cm ³) | |
| | | (cm ²) | (kg/m) | I _x | I _y | r _x | r _y | S _x | S _y | Z _x | Z _y |
| UC356x406 | 356 x 406 x 634 | 808 | 633.9 | 274800 | 98130 | 18.4 | 11.0 | 11580 | 4629 | 14240 | 7108 |
| | 356 x 406 x 551 | 702 | 551.0 | 226900 | 82670 | 18.0 | 10.9 | 9962 | 3951 | 12080 | 6058 |
| | 356 x 406 x 467 | 595 | 467.0 | 183000 | 67830 | 17.5 | 10.7 | 8383 | 3291 | 10000 | 5034 |
| | 356 x 406 x 393 | 501 | 393.0 | 146600 | 55370 | 17.1 | 10.5 | 6998 | 2721 | 8222 | 4154 |
| | 356 x 406 x 340 | 433 | 339.9 | 122500 | 46850 | 16.8 | 10.4 | 6031 | 2325 | 6999 | 3544 |
| | 356 x 406 x 287 | 366 | 287.1 | 99880 | 38680 | 16.5 | 10.3 | 5075 | 1939 | 5812 | 2949 |
| | 356 x 406 x 235 | 299 | 235.1 | 79080 | 30990 | 16.3 | 10.5 | 4151 | 1570 | 4687 | 2383 |
| UC356x368 | 356 x 368 x 202 | 257 | 201.9 | 66260 | 23690 | 16.1 | 9.60 | 3538 | 1264 | 3972 | 1920 |
| | 356 x 368 x 177 | 226 | 177.0 | 57120 | 20530 | 15.9 | 9.54 | 3103 | 1102 | 3455 | 1671 |
| | 356 x 368 x 153 | 195 | 152.9 | 48590 | 17550 | 15.8 | 9.49 | 2684 | 948 | 2965 | 1435 |
| | 356 x 368 x 129 | 164 | 129.0 | 40250 | 14610 | 15.6 | 9.43 | 2264 | 793 | 2479 | 1199 |
| UC305x305 | 305 x 305 x 283 | 360 | 283.0 | 78777 | 24545 | 14.8 | 8.25 | 4314 | 1525 | 5101 | 2337 |
| | 305 x 305 x 240 | 306 | 240.0 | 64177 | 20239 | 14.5 | 8.14 | 3641 | 1273 | 4245 | 1947 |
| | 305 x 305 x 198 | 252 | 198.1 | 50900 | 16300 | 14.2 | 8.04 | 2995 | 1037 | 3440 | 1581 |
| | 305 x 305 x 158 | 201 | 158.1 | 38750 | 12570 | 13.9 | 7.90 | 2369 | 808 | 2680 | 1230 |
| | 305 x 305 x 137 | 174 | 136.9 | 23810 | 10700 | 13.7 | 7.83 | 2048 | 692 | 2297 | 1053 |
| | 305 x 305 x 118 | 150 | 117.9 | 27670 | 9059 | 13.6 | 7.77 | 1760 | 589 | 1958 | 895 |
| | 305 x 305 x 97 | 123 | 96.9 | 22250 | 7308 | 13.4 | 7.69 | 1445 | 479 | 1592 | 726 |
| UC254x254 | 254 x 254 x 167 | 213 | 167.1 | 30000 | 9870 | 11.9 | 6.81 | 2075 | 744 | 2424 | 1137 |
| | 254 x 254 x 132 | 168 | 132.0 | 22530 | 7531 | 11.6 | 6.69 | 1631 | 576 | 1869 | 878 |
| | 254 x 254 x 107 | 136 | 107.1 | 17510 | 5928 | 11.3 | 6.59 | 1313 | 458 | 1484 | 697 |
| | 254 x 254 x 89 | 113 | 88.9 | 14270 | 4857 | 11.2 | 6.55 | 1096 | 379 | 1224 | 575 |
| | 254 x 254 x 73 | 93.1 | 73.1 | 11410 | 3908 | 11.1 | 6.48 | 898 | 307 | 992 | 465 |
| UC203x203 | 203 x 203 x 60 | 76.4 | 60.0 | 6125 | 2065 | 8.96 | 5.20 | 584 | 201 | 656 | 305 |
| | 203 x 203 x 52 | 66.3 | 52.0 | 5259 | 1778 | 8.91 | 5.18 | 510 | 174 | 567 | 264 |
| | 203 x 203 x 46 | 58.7 | 46.1 | 4568 | 1548 | 8.82 | 5.13 | 450 | 152 | 497 | 231 |
| UC152x152 | 152 x 152 x 37 | 47.1 | 37.0 | 2210 | 706 | 6.85 | 3.87 | 273 | 92 | 309 | 140 |
| | 152 x 152 x 30 | 38.3 | 30.0 | 1748 | 560 | 6.76 | 3.83 | 222 | 73 | 248 | 112 |
| | 152 x 152 x 23 | 29.2 | 23.0 | 1250 | 400 | 6.54 | 3.70 | 164 | 53 | 182 | 80.2 |

(The information given on these tables is for initial information only. Any use of these figures is at users own risk.)