

X30D Circular truss - Allowable Loading

| Diameter | | 3 Suspension Points | | | | 4 Suspension Points | | | | 6 Suspension Points | | | | 8 Suspension Points | | | | 10 Suspension Points | | | |
|----------|------|---------------------|--------|-----|-------|---------------------|--------|-----|--------|---------------------|--------|-----|--------|---------------------|--------|-----|--------|----------------------|--------|-----|--------|
| | | UDL | | CPL | | UDL | | CPL | | UDL | | CPL | | UDL | | CPL | | UDL | | CPL | |
| m | ft | kg/m | lbs/ft | kg | lbs | kg/m | lbs/ft | kg | lbs | kg/m | lbs/ft | kg | lbs | kg/m | lbs/ft | kg | lbs | kg/m | lbs/ft | kg | lbs |
| 4 | 13.1 | 115 | 77,7 | 318 | 701,8 | 205 | 138,0 | 457 | 1008,4 | 410 | 275,9 | 686 | 1515,4 | 622 | 418,3 | 840 | 1854,4 | 830 | 558,7 | 939 | 2072,0 |
| 6 | 19.7 | 58 | 39,3 | 232 | 512,1 | 110 | 74,3 | 349 | 769,4 | 239 | 161,1 | 533 | 1177,2 | 380 | 255,6 | 714 | 1575,7 | 521 | 350,5 | 848 | 1872,9 |
| 8 | 26.2 | 34 | 22,8 | 182 | 402,6 | 62 | 41,7 | 260 | 573,1 | 142 | 95,7 | 397 | 876,9 | 255 | 171,4 | 533 | 1177,2 | 369 | 248,2 | 669 | 1476,2 |
| 10 | 32.8 | 21 | 14,0 | 146 | 321,8 | 39 | 26,1 | 203 | 449,1 | 90 | 60,7 | 315 | 695,3 | 162 | 109,1 | 425 | 937,1 | 255 | 171,4 | 533 | 1177,2 |
| 12 | 39.4 | 14 | 9,3 | 116 | 255,5 | 26 | 17,7 | 165 | 364,8 | 62 | 41,7 | 260 | 573,1 | 112 | 75,3 | 352 | 776,2 | 176 | 118,5 | 443 | 977,2 |
| 14 | 45.9 | 10 | 6,4 | 93 | 206,2 | 19 | 12,6 | 137 | 303,1 | 45 | 30,2 | 220 | 484,8 | 82 | 54,9 | 299 | 660,5 | 129 | 86,7 | 378 | 833,8 |

This loading figure is based on Uniformly Divided Suspension Points and a suspended load in each of the fields. In all other cases, this loading data is NOT valid. If loads are unevenly divided, instability will occur. For more details and loading figures of other diameters, please contact our engineering department.

- The absence of diagonal braces at the top and/or bottom side of the truss means a dramatic reduction in the allowable loading; a structural report per situation is required for these models.
- Loading figures are based on Eurocode; to comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2, the loading data must be multiplied by 0.85.
- Truss orientation apex-up/down. Truss 100% horizontal.