



Weight Loading and Deflection Data

| Type | Span | | Maximum Deflection | | Uniformly Distributed Load (UDL) | | | | Center Point Load (CPL) | | Third Point Load (TPL) | | Quarter Point Load (QPL) | |
|-------------------|--------|------|--------------------|--------|----------------------------------|-------|----------------|--------|-------------------------|--------|------------------------|---------|--------------------------|---------|
| | Meters | Feet | mm | inches | Per Unit of Length | | Total UDL Load | | Kgs | Lbs | Kgs/pt. | Lbs/pt. | Kgs/pt. | Lbs/pt. |
| I-Beam/Flat | 2 | 6.6 | ** | ** | 130 | 87.5 | 260.0 | 577.5 | 200 | 441.5 | 128.0 | 282.6 | 96.0 | 211.9 |
| | 4 | 13.1 | ** | ** | 75 | 50.4 | 300.0 | 660.2 | 150 | 331.1 | 96.0 | 211.9 | 72.0 | 158.9 |
| | 6 | 19.7 | ** | ** | 35 | 23.5 | 210.0 | 463.0 | 100 | 220.8 | 64.0 | 141.3 | 48.0 | 106.0 |
| F33 Triangular | 4 | 13.1 | 4.57 | 0.18 | 235 | 158.1 | 940.0 | 2071.1 | 475 | 1048.6 | 304.0 | 671.1 | 228.0 | 503.3 |
| | 6 | 19.7 | ** | ** | 108 | 72.6 | 648.0 | 1430.2 | 320 | 706.4 | 204.8 | 452.1 | 153.6 | 339.1 |
| | 8 | 26.2 | 43.18 | 1.7 | 60 | 40.3 | 480.0 | 1055.9 | 236 | 521 | 151.0 | 333.4 | 113.3 | 250.1 |
| | 10 | 32.8 | ** | ** | 40 | 26.9 | 400.0 | 882.3 | 180 | 397.4 | 115.2 | 254.3 | 86.4 | 190.8 |
| | 12 | 39.4 | 119.38 | 4.7 | 27 | 18.1 | 324.0 | 713.1 | 158 | 348.8 | 101.1 | 223.2 | 75.8 | 167.4 |
| F34 Square | 4 | 13.1 | 2.8 | 0.11 | 485 | 326.4 | 1940.0 | 4275.8 | 1000 | 2207.5 | 640.0 | 1412.8 | 480.0 | 1059.6 |
| | 6 | 19.7 | ** | ** | 212 | 142.6 | 1272.0 | 2809.2 | 810 | 1788.1 | 518.4 | 1144.4 | 388.8 | 858.3 |
| | 8 | 26.2 | 42.93 | 1.69 | 125 | 84.1 | 1000.0 | 2203.4 | 497 | 1097.1 | 318.1 | 702.1 | 238.6 | 526.6 |
| | 10 | 32.8 | ** | ** | 80 | 53.8 | 800.0 | 1764.6 | 396 | 874.2 | 253.4 | 559.5 | 190.1 | 419.6 |
| | 12 | 39.4 | 119.38 | 4.7 | 56 | 37.6 | 672.0 | 1481.4 | 331 | 730.7 | 211.8 | 467.6 | 158.9 | 350.7 |

Specifications and technical data are intended for guidance purposes only.
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| Material: AlMgSi F31 |
| Main Tube: Ø 50mm (2 in.) x 2mm (0.078 in.) |
| Filler Tube: Ø 20mm (3/4 in.) x 2mm (0.078 in.) |