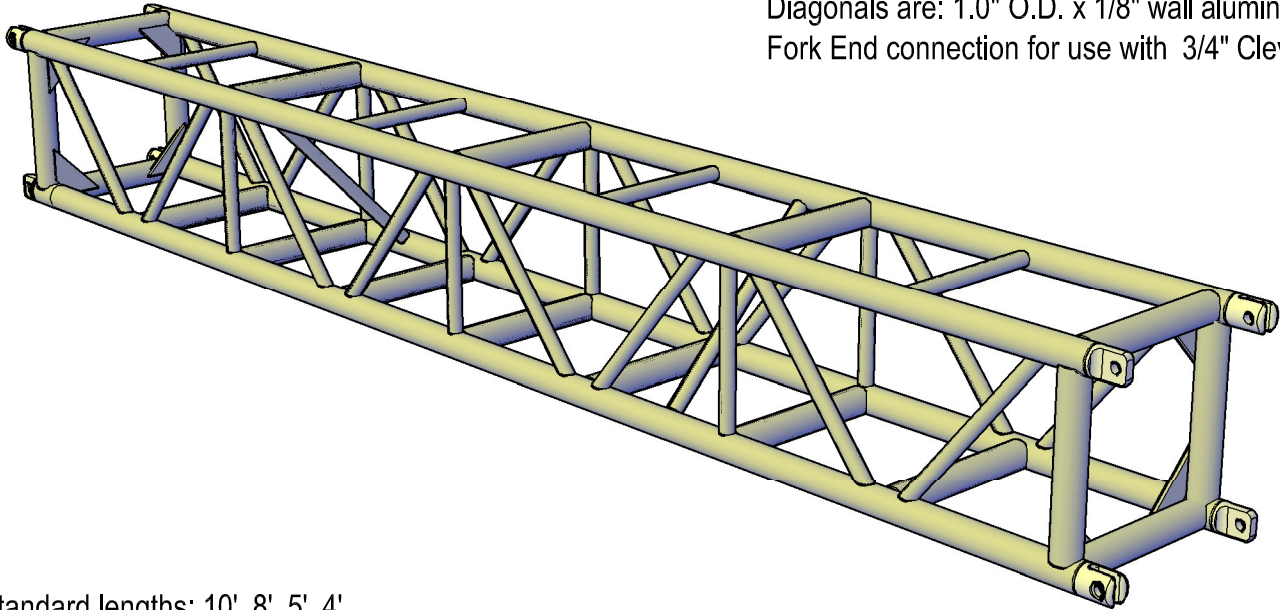




Xtreme Structures and Fabrication

16" x 16" Fork End

Main Chords are 2.0" OD x 3/16" wall aluminum
 Diagonals are: 1.0" O.D. x 1/8" wall aluminum
 Fork End connection for use with 3/4" Clevis Pins



Standard lengths: 10', 8', 5', 4'
 Custom lengths available

MAXIMUM SUPERIMPOSED GRAVITY LOADS

| Span (ft) (m) | Uniformly Distributed | | | Center Point Loads | | Third Point Loads | | Quarter Point Loads | | Fifth Point Loads | |
|------------------|------------------------|---------------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|
| | UDL (lbs/ft) (kg/m) | Total Load (lbs) (kgs) | Max. Defl. (in) (mm) | Load (lbs) (kgs) | Max. Defl. (in) (mm) | Load (lbs) (kgs) | Max. Defl. (in) (mm) | Load (lbs) (kgs) | Max. Defl. (in) (mm) | Load (lbs) (kgs) | Max. Defl. (in) (mm) |
| 5 (1.52) | 2227 (323) | 11135 (5051) | 0.01 (0) | 1 @ 11135 (5050) | 0.02 (1) | 2 @ 5568 (2525) | 0.02 (1) | 3 @ 3712 (1683) | 0.02 (1) | 4 @ 2784 (1262) | 0.02 (1) |
| 10 (3.05) | 1110 (165) | 11100 (5035) | 0.12 (3) | 1 @ 8876 (4026) | 0.15 (4) | 2 @ 5551 (2517) | 0.16 (4) | 3 @ 3701 (1678) | 0.15 (4) | 4 @ 2775 (1258) | 0.14 (4) |
| 15 (4.57) | 733 (109) | 10995 (4987) | 0.40 (10) | 1 @ 6271 (2844) | 0.36 (9) | 2 @ 4389 (1990) | 0.43 (11) | 3 @ 3027 (1373) | 0.42 (11) | 4 @ 2195 (995) | 0.39 (10) |
| 20 (6.10) | 436 (64) | 8720 (3955) | 0.75 (19) | 1 @ 4364 (1979) | 0.61 (15) | 2 @ 3273 (1484) | 0.77 (20) | 3 @ 2182 (989) | 0.72 (18) | 4 @ 1559 (707) | 0.65 (17) |
| 25 (7.62) | 296 (44) | 7400 (3357) | 1.27 (32) | 1 @ 3549 (1690) | 0.99 (25) | 2 @ 2555 (1158) | 1.20 (30) | 3 @ 1738 (788) | 1.14 (29) | 4 @ 1253 (568) | 1.05 (27) |
| 30 (9.14) | 188 (28) | 5640 (2558) | 1.69 (43) | 1 @ 2827 (1282) | 1.37 (35) | 2 @ 2120 (961) | 1.73 (44) | 3 @ 1413 (640) | 1.62 (41) | 4 @ 1010 (458) | 1.48 (38) |
| 35 (10.67) | 134 (19) | 4690 (2127) | 2.33 (59) | 1 @ 2390 (1084) | 1.94 (49) | 2 @ 1724 (782) | 2.33 (59) | 3 @ 1178 (534) | 2.23 (57) | 4 @ 847 (384) | 2.06 (52) |
| 40 (12.19) | 88 (13) | 3520 (1597) | 2.67 (68) | 1 @ 2034 (922) | 2.47 (63) | 2 @ 1303 (590) | 2.67 (68) | 3 @ 934 (423) | 2.67 (68) | 4 @ 726 (329) | 2.64 (67) |
| 45 (13.72) | 58 (8) | 2610 (1184) | 3.00 (76) | 1 @ 1647 (747) | 3.00 (76) | 2 @ 967 (438) | 3.00 (76) | 3 @ 693 (314) | 3.00 (76) | 4 @ 545 (247) | 3.00 (76) |
| 50 (15.24) | 40 (6) | 2000 (907) | 3.33 (85) | 1 @ 1148 (520) | 3.08 (78) | 2 @ 746 (338) | 3.33 (85) | 3 @ 535 (242) | 3.33 (85) | 4 @ 420 (214) | 3.33 (85) |

* If maximum deflection is reached before maximum load listed is reached, the truss must be considered to be at maximum capacity.

* The self weight of the truss has been taken into account in this load table and therefore does not have to be included into the calculation of superimposed live load.

* The effects of shock loadings, dynamic loadings, wind loads or seismic loads have not been taken into account into this table.



Part Numbers:

| | | | | | |
|--------------------------------|----------------|---------------------------------|------------|---------------------------------|------------------|
| 10' - 16" x 16" Fork End Truss | X-16-188FE-120 | 2-Way 16" Fork End Corner Block | X-16CB-FE2 | 16" Fork End Book End Hinge | X-16-188FE-BEH |
| 8' - 16" x 16" Fork End Truss | X-16-188FE-96 | 3-Way 16" Fork End Corner Block | X-16CB-FE3 | 16" Fork End Center Pivot Hinge | X-16-188FE-CPH |
| 5' - 16" x 16" Fork End Truss | X-16-188FE-60 | 4-Way 16" Fork End Corner Block | X-16CB-FE4 | 16" Fork End 11.25 degree wedge | X-16WDG-FE-11.25 |
| 4' - 16" x 16" Fork End Truss | X-16-188FE-48 | 5-Way 16" Fork End Corner Block | X-16CB-FE5 | 16" Fork End 22.5 degree wedge | X-16WDG-FE-22.5 |
| | | 6-Way 16" Fork End Corner Block | X-16CB-FE6 | 16" Fork End 45 degree wedge | X-16WDG-FE-45 |

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