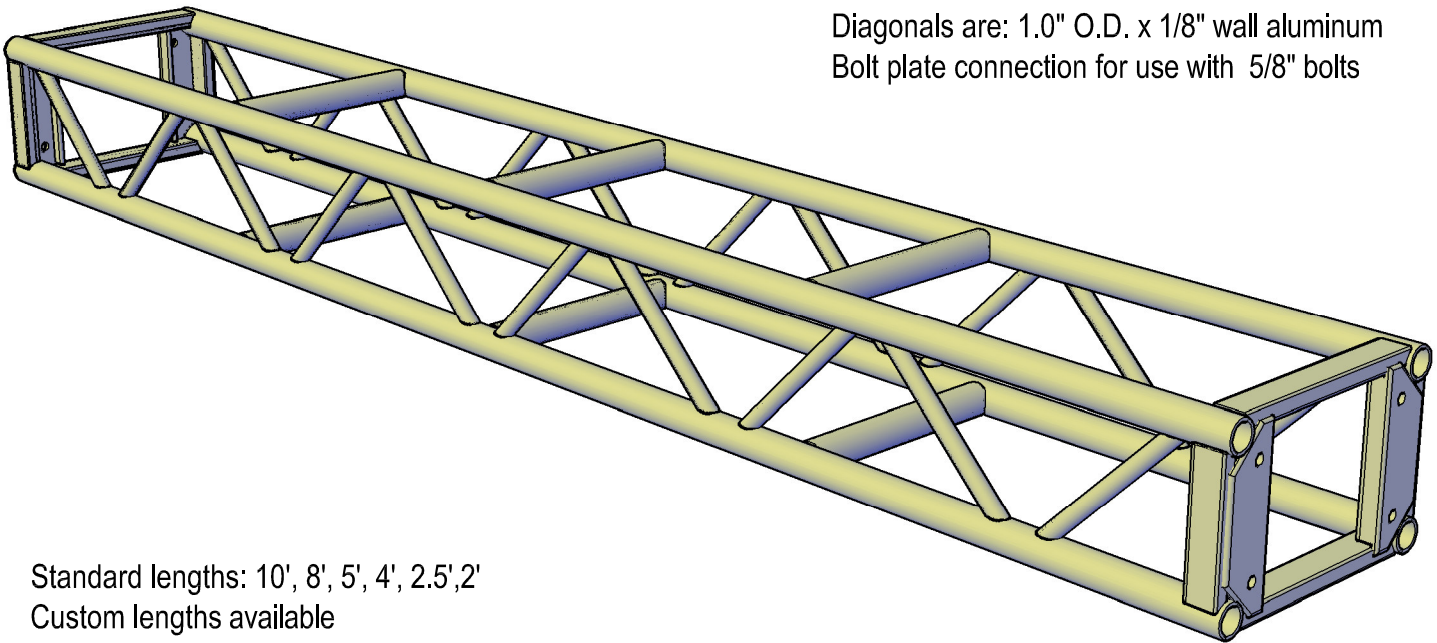




# Xtreme Structures and Fabrication

## 12" x 18" Plated Utility

Main Chords are 2.0" OD x 1/8" wall aluminum  
 Diagonals are: 1.0" O.D. x 1/8" wall aluminum  
 Bolt plate connection for use with 5/8" bolts



Standard lengths: 10', 8', 5', 4', 2.5', 2'  
 Custom lengths available

### MAXIMUM SUPERIMPOSED GRAVITY LOADS

| Span<br>(ft) (m) | Uniformly Distributed  |                           | Center Point Loads      |                     | Third Point Loads       |                     | Quarter Point Loads     |                     | Fifth Point Loads       |                     |                         |
|------------------|------------------------|---------------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|
|                  | UDL<br>(lbs/ft) (kg/m) | Total Load<br>(lbs) (kgs) | Max. Defl.<br>(in) (mm) | Load<br>(lbs) (kgs) | Max. Defl.<br>(in) (mm) | Load<br>(lbs) (kgs) | Max. Defl.<br>(in) (mm) | Load<br>(lbs) (kgs) | Max. Defl.<br>(in) (mm) | Load<br>(lbs) (kgs) | Max. Defl.<br>(in) (mm) |
| 5 (1.52)         | 2034 (3035)            | 10170 (4613)              | 0.04 (1)                | 1 @ 6962 (3157)     | 0.04 (1)                | 2 @ 4177 (1894)     | 0.04 (1)                | 3 @ 3094 (1403)     | 0.04 (1)                | 4 @ 2321 (1052)     | 0.04 (1)                |
| 10 (3.05)        | 552 (821)              | 5520 (2504)               | 0.17 (4)                | 1 @ 2765 (1254)     | 0.13 (3)                | 2 @ 2074 (940)      | 0.17 (4)                | 3 @ 1382 (626)      | 0.16 (4)                | 4 @ 987 (447)       | 0.14 (4)                |
| 15 (4.57)        | 278 (414)              | 4170 (1892)               | 0.43 (11)               | 1 @ 1938 (879)      | 0.32 (8)                | 2 @ 1357 (615)      | 0.38 (10)               | 3 @ 936 (424)       | 0.37 (9)                | 4 @ 678 (307)       | 0.34 (9)                |
| 20 (6.10)        | 133 (198)              | 2660 (1207)               | 0.66 (17)               | 1 @ 1340 (607)      | 0.54 (14)               | 2 @ 1005 (455)      | 0.68 (17)               | 3 @ 670 (303)       | 0.63 (16)               | 4 @ 479 (217)       | 0.58 (15)               |
| 25 (7.62)        | 89 (132)               | 2225 (1009)               | 1.12 (28)               | 1 @ 1072 (486)      | 0.88 (22)               | 2 @ 772 (350)       | 1.06 (27)               | 3 @ 525 (238)       | 1.01 (26)               | 4 @ 378 (171)       | 0.93 (24)               |
| 30 (9.14)        | 56 (83)                | 1680 (762)                | 1.48 (38)               | 1 @ 846 (383)       | 1.22 (31)               | 2 @ 635 (288)       | 1.53 (39)               | 3 @ 423 (191)       | 1.43 (36)               | 4 @ 302 (136)       | 1.31 (33)               |
| 35 (10.67)       | 40 (60)                | 1400 (635)                | 2.10 (53)               | 1 @ 694 (314)       | 1.73 (44)               | 2 @ 505 (229)       | 2.07 (53)               | 3 @ 342 (155)       | 1.97 (50)               | 4 @ 246 (111)       | 1.83 (46)               |
| 40 (12.19)       | 28 (42)                | 1120 (508)                | 2.56 (65)               | 1 @ 578 (262)       | 2.19 (56)               | 2 @ 431 (195)       | 2.67 (68)               | 3 @ 289 (131)       | 2.52 (64)               | 4 @ 209 (94)        | 2.35 (60)               |

\* 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' - 12" x 18" Plated Utility Truss  | X-12x18U-125BP-120 | 2-Way 12"x18" Plated Corner Block | X-12x18CB-2 | 12"x18" Plated Book End Hinge     | X-12x18-188BP-BEH |
| 8' - 12" x 18" Plated Utility Truss   | X-12x18U-125BP-96  | 3-Way 12"x18" Plated Corner Block | X-12x18CB-3 | 12"x18" Plated Center Pivot Hinge | X-12x18-188BP-CPH |
| 5' - 12" x 18" Plated Utility Truss   | X-12x18U-125BP-60  | 4-Way 12"x18" Plated Corner Block | X-12x18CB-4 | 12"x18" Plated 11.25 degree wedge | X-12x18WDG-11.25  |
| 4' - 12" x 18" Plated Utility Truss   | X-12x18U-125BP-48  | 5-Way 12"x18" Plated Corner Block | X-12x18CB-5 | 12"x18" Plated 22.5 degree wedge  | X-12x18WDG-22.5   |
| 2.5' - 12" x 18" Plated Utility Truss | X-12x18U-125BP-30  | 6-Way 12"x18" Plated Corner Block | X-12x18CB-6 | 12"x18" Plated 45 degree wedge    | X-12x18WDG-45     |
| 2' - 12" x 18" Plated Utility Truss   | X-12x18U-125BP-24  |                                   |             |                                   |                   |

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