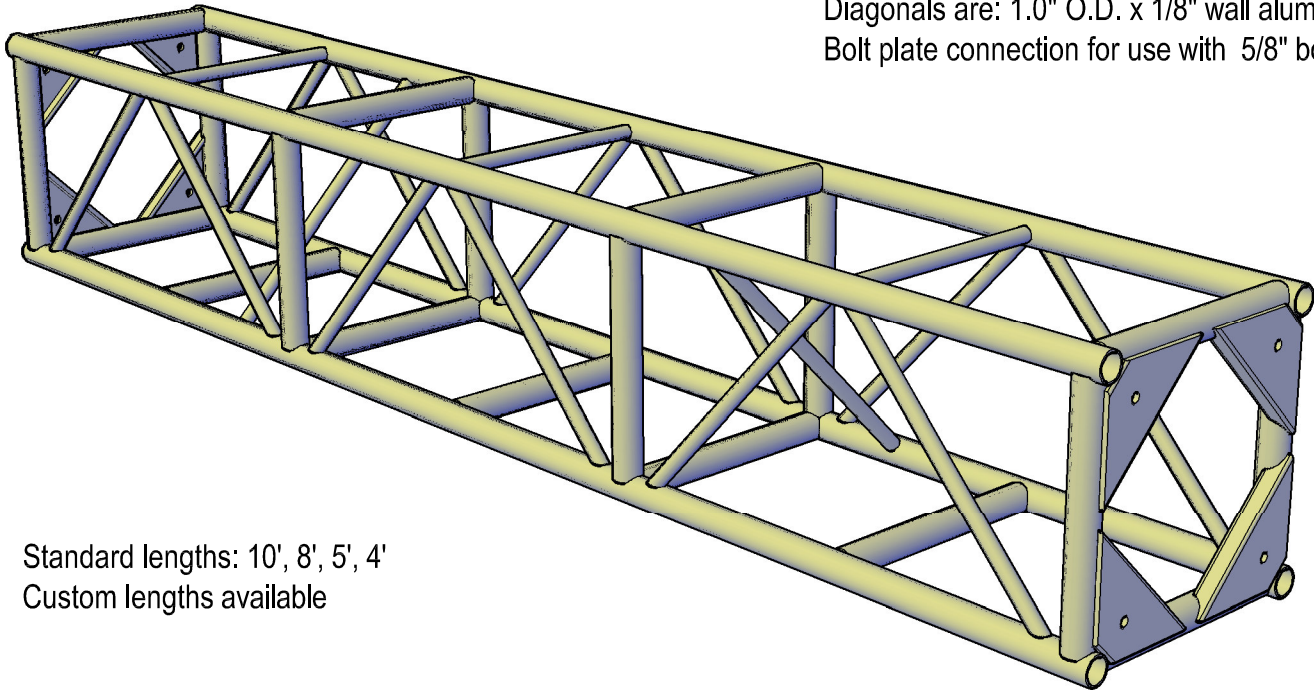




# Xtreme Structures and Fabrication

## 20.5" x 20.5" Plated

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'  
 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)	1957 (2920)	9785 (4438)	0.01 (0)	1 @ 9787 (4439)	0.02 (1)	2 @ 4894 (2219)	0.01 (0)	3 @ 3262 (1479)	0.01 (0)	4 @ 2447 (1109)	0.01 (0)
10 (3.05)	976 (1451)	9760 (4427)	0.09 (2)	1 @ 5863 (2659)	0.08 (2)	2 @ 4398 (1994)	0.11 (3)	3 @ 2932 (1329)	0.10 (3)	4 @ 2094 (949)	0.09 (2)
15 (4.57)	593 (883)	8895 (4035)	0.27 (7)	1 @ 4135 (1875)	0.20 (5)	2 @ 2895 (1313)	0.24 (6)	3 @ 1996 (905)	0.23 (6)	4 @ 1447 (656)	0.21 (5)
20 (6.10)	287 (427)	5740 (2604)	0.41 (10)	1 @ 2876 (1304)	0.33 (8)	2 @ 2157 (978)	0.42 (11)	3 @ 1438 (652)	0.40 (10)	4 @ 1027 (465)	0.36 (9)
25 (7.62)	194 (289)	4850 (2200)	0.70 (18)	1 @ 2330 (1056)	0.55 (14)	2 @ 1677 (760)	0.66 (17)	3 @ 1141 (517)	0.63 (16)	4 @ 822 (372)	0.58 (15)
30 (9.14)	123 (183)	3690 (1674)	0.93 (24)	1 @ 1855 (841)	0.76 (19)	2 @ 1391 (630)	0.95 (24)	3 @ 927 (420)	0.89 (23)	4 @ 662 (300)	0.81 (21)
35 (10.67)	91 (135)	3185 (1445)	1.33 (34)	1 @ 1557 (706)	1.07 (27)	2 @ 1134 (514)	1.30 (33)	3 @ 767 (347)	1.23 (31)	4 @ 551 (249)	1.14 (29)
40 (12.19)	66 (98)	2640 (1198)	1.65 (42)	1 @ 1326 (601)	1.36 (35)	2 @ 994 (450)	1.69 (43)	3 @ 663 (300)	1.59 (40)	4 @ 473 (214)	1.46 (37)
45 (13.72)	53 (79)	2385 (1082)	2.17 (55)	1 @ 1176 (533)	1.77 (45)	2 @ 862 (391)	2.14 (54)	3 @ 581 (263)	2.03 (52)	4 @ 417 (189)	1.88 (48)
50 (15.24)	39 (58)	1950 (885)	2.55 (65)	1 @ 993 (450)	2.16 (55)	2 @ 745 (337)	2.64 (67)	3 @ 497 (225)	2.49 (63)	4 @ 355 (161)	2.30 (58)

\* 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' - 20.5" Plated Truss	X-20.5-125BP-120	2-Way 20.5" Plated Corner Block	X-20.5CB-2	20.5" Plated Book End Hinge	X-20.5-188BP-BEH
8' - 20.5" Plated Truss	X-20.5-125BP-96	3-Way 20.5" Plated Corner Block	X-20.5CB-3	20.5" Plated Center Pivot Hinge	X-20.5-188BP-CPH
5' - 20.5" Plated Truss	X-20.5-125BP-60	4-Way 20.5" Plated Corner Block	X-20.5CB-4	20.5" Plated 11.25 degree wedge	X-20.5WDG-11.25
4' - 20.5" Plated Truss	X-20.5-125BP-48	5-Way 20.5" Plated Corner Block	X-20.5CB-5	20.5" Plated 22.5 degree wedge	X-20.5WDG-22.5
		6-Way 20.5" Plated Corner Block	X-20.5CB-6	20.5" Plated 45 degree wedge	X-20.5WDG-45

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