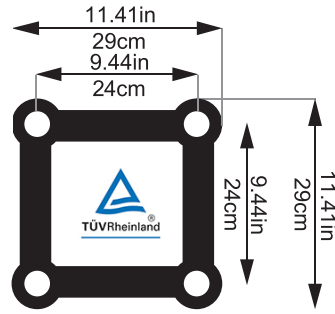


# F34 Box Truss Load Bearing Data

**XT-SQ SERIES DIMENSIONS:**

- Height:** 11,42in / 290mm
- Width:** 11,42in / 290mm
- Main Tube:** 2in / 50mm
- Braces:** .75in / 20mm
- Wall thickness:** 0.078in / 2mm

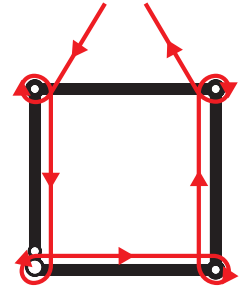
- Material:** EN-AWT6 6082 Aluminum
- TUV-certified for safety and uniformity
  - Fabricated by GSI SLV-certified welders
  - ProX Truss is compatible to connect along with many other major brands that utilize the same conical connection.



## GOOD PRACTICES WITH RIGGING HARDWARE

### Sling Hitching

The most appropriate practice to sling truss. Notice always technical data of the slings and trusses. The hang direction of the sling shows the equal weight distribution.



Span m/ft	Uniform distributed load	Deflection	Center point load	Deflection	Third point load	Deflection	Quarter point load	Deflection
	kg/m - lb/ft	cm / in	kg / lb	cm / in	kg / lb	cm / in	kg / lb	cm / in
1 / 3.28	2276 / 1529.4	0.01 / 0.004	913.9 / 2104.8	0.00 / 0.00	870.2 / 1918.5	0.00 / 0.00	758.6 / 1672.4	0.00 / 0.00
2 / 6.56	1136 / 763.4	0.01 / 0.004	794.1 / 1750.7	0.00 / 0.00	730.2 / 1609.8	0.00 / 0.00	629.0 / 1386.7	0.00 / 0.00
3 / 9.84	756 / 508	0.60 / 0.236	701.9 / 1547.4	0.50 / 0.20	629.0 / 1386.7	0.80 / 0.32	520.8 / 1148.2	0.60 / 0.24
4 / 13.13	502.5 / 337.7	1.20 / 0.472	629.0 / 1386.7	0.80 / 0.32	552.5 / 1218.1	1.30 / 0.51	444.3 / 979.5	1.00 / 0.39
5 / 16.41	320 / 215	2.10 / 0.827	569.8 / 1256.2	1.00 / 0.39	492.6 / 1086.0	2.10 / 0.83	387.5 / 854.3	1.60 / 0.63
6 / 19.68	221 / 148.5	3.00 / 1.181	520.8 / 1148.2	1.70 / 0.67	443.3 / 977.3	3.00 / 1.18	331.7 / 731.3	2.50 / 0.98
7 / 22.97	160 / 107.5	4.00 / 1.575	479.5 / 1057.1	2.80 / 1.10	404.7 / 892.2	4.20 / 1.65	282.4 / 622.6	3.30 / 1.30
8 / 26.25	122 / 82.0	5.20 / 2.047	444.3 / 979.5	3.90 / 1.54	367.9 / 811.1	5.80 / 2.28	245.3 / 540.8	4.10 / 1.61
9 / 29.53	95 / 63.8	6.50 / 2.559	413.9 / 912.5	5.20 / 2.05	342.2 / 714.7	7.00 / 2.76	216.1 / 476.4	5.20 / 2.05
10 / 32.81	76 / 51.1	8.00 / 3.150	385.2 / 849.2	6.50 / 2.56	288.9 / 636.9	8.30 / 3.27	192.6 / 424.6	6.40 / 2.52
11 / 36.09	62 / 41.7	9.50 / 3.740	346.4 / 763.7	7.80 / 3.07	259.8 / 572.8	10.10 / 3.98	173.2 / 381.8	7.70 / 3.03
12 / 39.37	51 / 34.3	11.10 / 4.370	313.6 / 691.4	9.30 / 3.66	235.3 / 518.7	11.80 / 4.65	156.8 / 345.7	8.60 / 3.39
13 / 42.65	43 / 28.9	14.10 / 5.551	285.7 / 629.9	10.50 / 4.13	214.3 / 472.5	13.20 / 5.20	142.8 / 314.8	10.60 / 4.17
14 / 45.93	36 / 24.2	16.10 / 6.338	261.4 / 576.3	11.90 / 4.69	196.1 / 432.3	15.10 / 6.10	130.7 / 288.1	11.90 / 4.69
15 / 49.21	31 / 20.8	18.60 / 7.323	240.1 / 529.3	13.60 / 5.35	180.1 / 397.1	17.40 / 6.85	120.1 / 264.8	13.00 / 5.12
16 / 52.49	27 / 18.1	21.30 / 8.386	221.2 / 487.7	15.10 / 5.94	165.9 / 365.7	19.30 / 7.60	110.6 / 243.8	15.20 / 5.98
17 / 55.77	24 / 16.1	24.50 / 9.646	204.4 / 450.6	16.80 / 6.61	153.3 / 338.0	21.50 / 8.46	102.2 / 225.3	16.60 / 6.54
18 / 59.06	21 / 14.1	27.50 / 10.827	189.1 / 416.9	18.50 / 7.28	141.8 / 312.6	23.60 / 9.29	94.60 / 208.6	18.80 / 7.40

1 meter (m) = 3.28ft (39.36") 1 kilogram (kg) = 2.2 pounds (lb) 1 inch (in) = 2.54 centimeters (cm)

Loading figures only valid for static (non moving) loads and spans with two supporting points. Calculated for ProX XT-SQ F34 truss only, if mixed with other brands this chart is void! If dynamic loads or wind loads are involved, or more supporting points are applied, contact a structural engineer. Weight of the truss components are considered in load table. This truss loading chart is calculated based on engineering design studies and is not from destructive or non-destructive testing. For new truss only, multiply by .85 for repetitive use. ProX is not responsible for user error or omissions. Load Data and Specifications subject to change without notice. Version 2.0 January 1, 2020