

F34 Box Truss Load Bearing Data

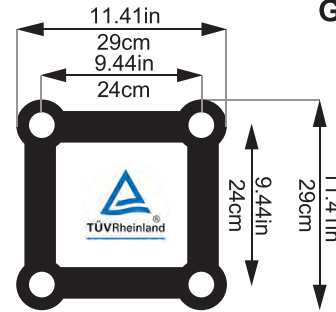
Version 2.2 March 4, 2020

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

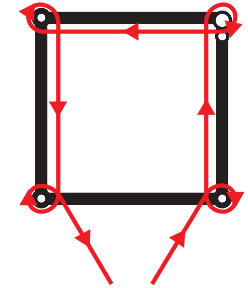
- TUV-certified for safety and uniformity
- Fabricated by GSI SLV-certified welders
- ProX Truss is compatible to connect along with many other major brands that utilize the same conical connection.



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 kg/m - lb/ft	Deflection cm / in	Center point load kg / lb	Deflection cm / in	Third point load kg / lb	Deflection cm / in	Quarter point load kg / lb	Deflection cm / in
4 / 13.13	501.0 / 336.7	1.36 / 0.535	922.0 / 2032.7	1.01 / 0.40	627.0 / 1382.3	1.16 / 0.46	496.0 / 1093.5	1.28 / 0.50
5 / 16.41	344.0 / 231.2	2.30 / 0.905	763.0 / 1682.1	1.64 / 0.65	528.0 / 1164.0	1.93 / 0.76	411.0 / 906.1	2.09 / 0.82
6 / 19.68	241.0 / 161.9	3.36 / 1.323	649.0 / 1430.8	2.43 / 0.96	455.0 / 1003.1	2.89 / 1.14	346.0 / 762.8	3.06 / 1.20
7 / 22.97	177.0 / 118.9	4.61 / 1.815	562.0 / 1239.0	3.39 / 1.33	398.0 / 877.4	4.06 / 1.60	297.0 / 654.8	4.22 / 1.66
8 / 26.25	135.0 / 90.7	6.06 / 2.386	494.0 / 1089.1	4.51 / 1.78	353.0 / 778.2	5.42 / 2.13	260.0 / 573.2	5.56 / 2.19
9 / 29.53	106.0 / 71.2	7.71 / 3.035	440.0 / 970.0	5.80 / 2.05	316.0 / 696.6	7.00 / 2.76	230.0 / 507.1	7.10 / 2.80
10 / 32.81	85.0 / 57.1	9.55 / 3.760	395.0 / 870.8	7.26 / 2.86	285.0 / 628.3	8.77 / 3.45	205.0 / 452.0	8.82 / 3.47
11 / 36.09	69.0 / 46.4	11.60 / 4.567	357.0 / 787.1	8.89 / 3.50	258.0 / 568.8	10.76 / 4.24	185.0 / 407.9	10.75 / 4.23
12 / 39.37	58.0 / 38.8	13.85 / 4.453	324.0 / 714.3	10.71 / 4.22	236.0 / 520.3	12.97 / 5.11	168.0 / 370.4	12.87 / 5.07
13 / 42.65	48.0 / 32.3	16.29 / 6.413	296.0 / 652.6	12.71 / 5.00	216.0 / 476.2	15.39 / 6.06	153.0 / 337.3	15.19 / 5.98
14 / 45.93	41.0 / 27.6	18.95 / 7.461	271.0 / 597.5	14.90 / 5.87	199.0 / 438.7	18.03 / 7.10	140.0 / 308.7	17.71 / 6.97
15 / 49.21	35.0 / 23.5	21.81 / 8.587	249.0 / 549.0	17.30 / 6.81	183.0 / 403.4	20.89 / 8.22	128.0 / 282.2	20.44 / 8.05
16 / 52.49	30.0 / 20.1	24.88 / 9.795	229.0 / 504.9	19.90 / 7.83	169.0 / 372.6	23.99 / 9.44	118.0 / 260.1	23.38 / 9.40
17 / 55.77	26.0 / 17.5	28.16 / 11.087	211.0 / 465.2	22.71 / 8.94	157.0 / 346.1	27.32 / 10.76	109.0 / 240.3	26.53 / 10.44
18 / 59.06	23.0 / 15.5	31.65 / 12.460	195.0 / 421.9	25.74 / 10.13	146.0 / 321.9	30.89 / 12.16	100.0 / 220.5	29.90 / 11.77

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 2mm 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, ratings degrade with each use that flexes truss. Consult an engineer for more information on degradation. ProX is not responsible for user error or omissions. Load Data and Specifications subject to change without notice. Manufactured to meet Euro CE Standards EN 1090-1:2009 + A1:2011 and EN1090-3 Version 2.2 March 4, 2020