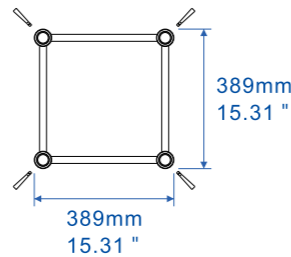
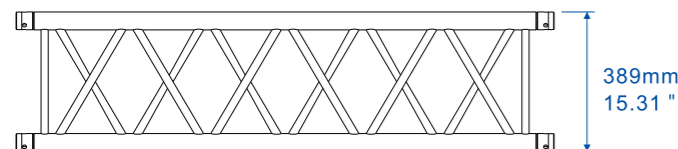


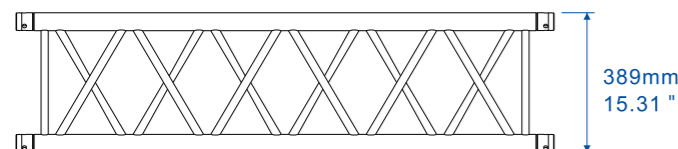
TD-Q39S



Top view



Side view



Dimensions TD-Q39S

Shape	Square	Square
Material	EN AW 6082 T6	EN AW 6082 T6
Main Tubes (chords)	50 x 3mm	1.97 x 0.12in
Braces	25 x 2 mm	0.98 x 0.08 in
Weight	≈7.5kg/m	≈5.05lbs/ft

1 inch = 25.4 mm 1 m = 3.28 ft 1 lbs = 0.453kg

TD-Q39S ALLOWABLE LOADING

SPAN		Uniformly Distributed Load		DEFLECTION		Centre Point Load		DEFLECTION		single load third points		single load fourth points		single load fifth points		SPAN
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	
3	9.8	2314.8	1557.9	1.5	0.059	3472.1	7664.7	1.2	0.047	2604.1	5748.6	1736.1	3832.5	1388.9	3066.0	22.5
4	13.1	1302.0	876.3	2.6	0.102	2604.1	5748.6	2.1	0.083	1953.1	4311.5	1302.0	2874.2	1041.6	2299.3	30.0
5	16.4	833.3	560.8	4.1	0.161	2083.3	4598.9	3.3	0.130	1562.5	3449.2	1041.6	2299.3	833.3	1839.5	37.5
6	19.7	578.7	389.5	5.9	0.232	1736.1	3832.5	4.7	0.185	1302.0	2874.2	868.0	1916.1	694.4	1532.9	45.0
7	23.0	425.2	286.2	8.0	0.315	1488.1	3285.0	6.4	0.252	1116.0	2463.6	744.0	1642.4	595.2	1313.9	52.5
8	26.2	325.5	219.1	10.4	0.409	1302.0	2874.2	8.3	0.327	976.5	2155.6	651.0	1437.1	520.8	1149.7	60.0
9	29.5	257.2	173.1	13.2	0.520	1157.4	2555.0	10.5	0.413	868.0	1916.1	578.7	1277.5	463.0	1022.1	67.5
10	32.8	208.3	140.2	16.3	0.642	1041.6	2299.3	13.0	0.512	781.2	1724.5	520.8	1149.7	416.7	919.9	75.0
11	36.1	172.2	115.9	19.7	0.776	946.9	2090.3	15.7	0.618	710.2	1567.8	473.5	1045.3	378.8	836.2	82.5
12	39.4	144.7	97.4	23.4	0.921	868.0	1916.1	18.7	0.736	651.0	1437.1	434.0	958.1	347.2	766.4	90.0
13	42.6	123.3	83.0	27.5	1.083	801.3	1768.9	22.0	0.866	600.9	1326.5	400.6	884.3	320.5	707.5	97.5
14	45.9	106.3	71.5	31.9	1.256	744.0	1642.4	25.5	1.004	558.0	1231.8	372.0	821.2	297.6	657.0	105.0
15	49.2	92.6	62.3	36.6	1.441	694.4	1532.9	29.3	1.154	520.8	1149.7	347.2	766.4	277.8	613.2	112.5
16	52.5	81.4	54.8	41.6	1.638	651.0	1437.1	33.3	1.311	488.3	1077.9	325.5	718.5	260.4	574.8	120.0
17	55.8	72.1	48.5	47.0	1.850	612.7	1352.5	37.6	1.480	459.5	1014.3	306.4	676.4	245.1	541.1	127.5
18	59.0	64.3	43.3	52.7	2.075	578.7	1277.5	42.1	1.657	434.0	958.1	289.3	638.6	231.5	511.0	135.0
19	62.3	57.7	38.8	58.7	2.311	548.2	1210.2	47.0	1.850	411.2	907.7	274.1	605.1	219.3	484.1	142.5
20	65.6	52.1	35.1	65.0	2.559	520.8	1149.7	52.0	2.047	390.6	862.3	260.4	574.8	208.3	459.8	150.0
21	68.9	47.2	31.8	71.7	2.823	496.0	1094.9	57.4	2.260	372.0	821.2	248.0	547.5	198.4	438.0	157.5
22	72.2	43.0	28.9	78.7	3.098	473.5	1045.3	63.0	2.480	355.1	783.9	236.7	522.5	189.4	418.1	165.0
23	75.4	39.4	26.5	86.0	3.386	452.9	999.8	68.8	2.709	339.7	749.9	226.4	499.8	181.2	400.0	172.5
24	78.7	36.2	24.4	93.6	3.685	434.0	958.1	74.9	2.949	325.5	718.5	217.0	479.0	173.6	383.2	180.0

1 inch = 25.4 mm 1 m = 3.28 ft 1 lbs = 0.453kg

- Loading figures only valid for static loads and spans with two supporting points.
- Spans must be supported at each end.
- If dynamic loads or wind loads are involved, or more supporting points are applied, contact Trinity Customer Service for details.
- Loading figures are based on BS 7905-2/ANSI E1.2-2006/CWA 15902-2, GB/T5237. The loading data should multiply 0.8 for Safety factor consideration.
- The self-weight of the trusses has already been taken into account.
- Suitable for trusses with design height of 389mm, Main tubing Ø50 * 3mm, brace tubing Ø25 * 2mm.