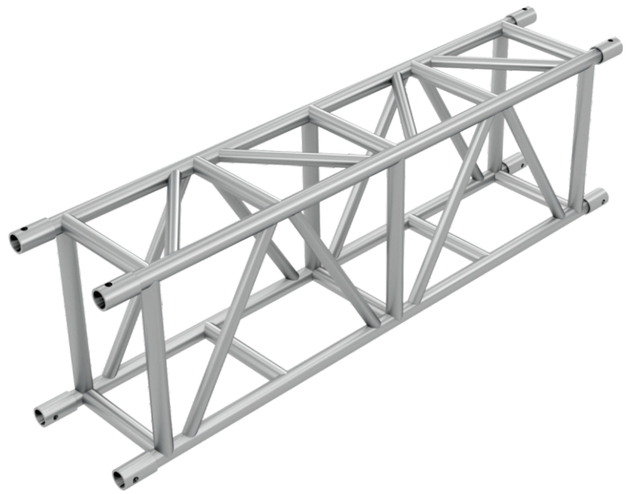
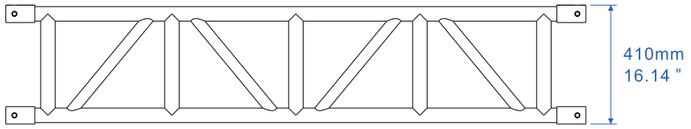
TRI-Power™

Quick Mount Series

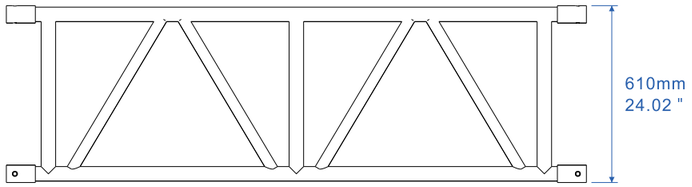
TD-QC4161R-50

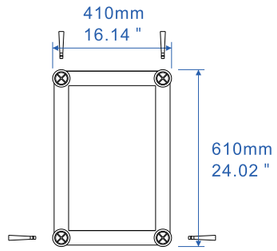


Top view



Side view





Dimensions TD-QC4161R-50		
Shape	Rectangular	Rectangular
Material	EN AW 6082 T6	EN AW 6082 T6
Main Tubes (chords)	50 x 3 mm Cross Pipe	1.97 x 0.12 in Cross Pipe
Braces	38 x 2.5 mm	1.50 x 0.10 in
Weight	≈13.6kg/m	≈9.15lbs/ft

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

TD-QC4161R-50 ALLOWABLE LOADING

SPAN		Uniformly Distributed Load		DEFLECTION		Centre Point Load		DEFLECTION		single load third points		single load fourth points		single load ffth points		SPAN
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight
3	9.8	4747.4	3195.1	1.1	0.043	7121.2	15720.1	0.9	0.035	5340.9	11790.1	3560.6	7860.0	2848.5	6288.1	40.8
4	13.1	2670.4	1797.2	1.9	0.075	5340.9	11790.1	1.5	0.059	4005.7	8842.6	2670.4	5894.9	2136.3	4715.9	54.4
5	16.4	1709.1	1150.3	3.0	0.118	4272.7	9432.0	2.4	0.094	3204.5	7074.0	2136.3	4715.9	1709.1	3772.8	68.0
6	19.7	1186.9	798.8	4.3	0.169	3560.6	7860.0	3.4	0.134	2670.4	5894.9	1780.3	3930.0	1424.2	3143.9	81.6
7	23.0	872.0	586.9	5.9	0.232	3051.9	6737.1	4.7	0.185	2288.9	5052.8	1526.0	3368.7	1220.8	2694.9	95.2
8	26.2	667.6	449.3	7.7	0.303	2670.4	5894.9	6.1	0.240	2002.8	4421.2	1335.2	2947.5	1068.2	2358.1	108.8
9	29.5	527.5	355.0	9.7	0.382	2373.7	5240.0	7.8	0.307	1780.3	3930.0	1186.9	2620.1	949.5	2096.0	122.4
10	32.8	427.3	287.6	12.0	0.472	2136.3	4715.9	9.6	0.378	1602.3	3537.1	1068.2	2358.1	854.5	1886.3	136.0
11	36.1	353.1	237.6	14.5	0.571	1942.1	4287.2	11.6	0.457	1456.6	3215.5	971.1	2143.7	776.9	1715.0	149.6
12	39.4	296.7	199.7	17.2	0.677	1780.3	3930.0	13.8	0.543	1335.2	2947.5	890.1	1964.9	712.1	1572.0	163.2
13	42.6	252.8	170.1	20.2	0.795	1643.3	3627.6	16.2	0.638	1232.5	2720.8	821.7	1813.9	657.3	1451.0	176.8
14	45.9	218.0	146.7	23.5	0.925	1526.0	3368.7	18.8	0.740	1144.5	2526.5	763.0	1684.3	610.4	1347.5	190.4
15	49.2	189.9	127.8	26.9	1.059	1424.2	3143.9	21.6	0.850	1068.2	2358.1	712.1	1572.0	569.7	1257.6	204.0
16	52.5	166.9	112.3	30.7	1.209	1335.2	2947.5	24.5	0.965	1001.4	2210.6	667.6	1473.7	534.1	1179.0	217.6
17	55.8	147.8	99.5	34.6	1.362	1256.7	2774.2	27.7	1.091	942.5	2080.6	628.3	1387.0	502.7	1109.7	231.2
18	59.0	131.9	88.8	38.8	1.528	1186.9	2620.1	31.0	1.220	890.1	1964.9	593.4	1309.9	474.7	1047.9	244.8
19	62.3	118.4	79.7	43.2	1.701	1124.4	2482.1	34.6	1.362	843.3	1861.6	562.2	1241.1	449.8	992.9	258.4
20	65.6	106.8	71.9	47.9	1.886	1068.2	2358.1	38.3	1.508	801.1	1768.4	534.1	1179.0	427.3	943.3	272.0
21	68.9	96.9	65.2	52.8	2.079	1017.3	2245.7	42.2	1.661	763.0	1684.3	508.7	1123.0	406.9	898.2	285.6
22	72.2	88.3	59.4	58.0	2.283	971.1	2143.7	46.4	1.827	728.3	1607.7	485.5	1071.7	388.4	857.4	299.2
23	75.4	80.8	54.4	63.3	2.492	928.8	2050.3	50.7	1.996	696.6	1537.7	464.4	1025.2	371.5	820.1	312.8
24	78.7	74.2	49.9	69.0	2.717	890.1	1964.9	55.2	2.173	667.6	1473.7	445.1	982.6	356.1	786.1	326.4

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 610mm, Main tubing Ø50 * 3mm with cross insert, brace tubing Ø38 * 2.5mm.