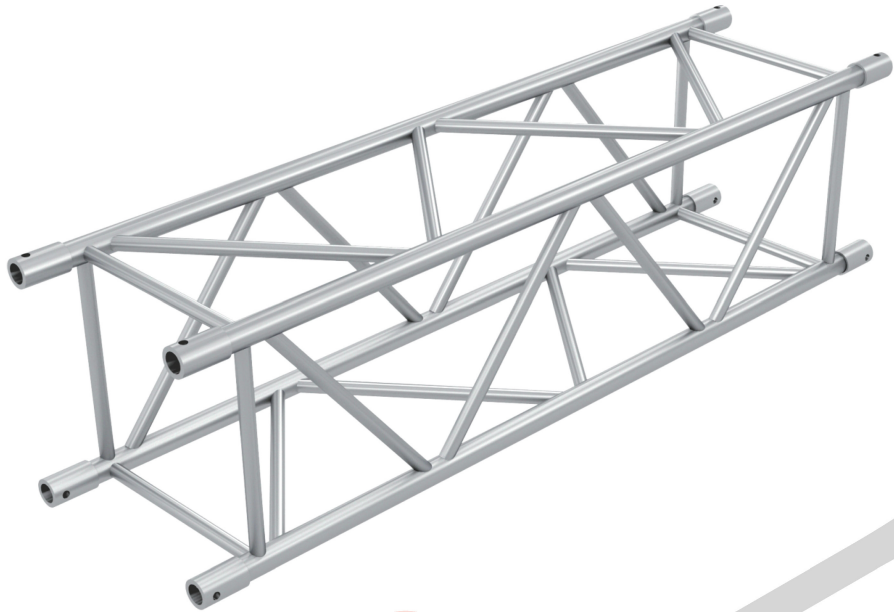
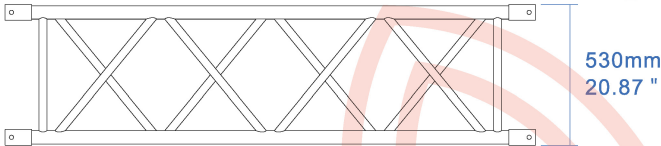


插销桁架系列
Quick Mount Series

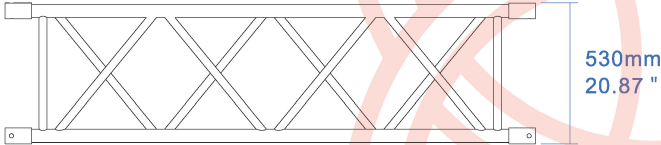
TD-QC53S-50



俯视图
Top view



侧视图
Side view



规格 Dimensions		
形状 Shape	正方形 Square	正方形 Square
材质 Material	EN AW 6082 T6	EN AW 6082 T6
主管 Main Tubes	50 x 3 mm Cross Pipe (十字芯)	1.97 x 0.12 in Cross Pipe (十字芯)
副管 Braces	30 x 3 mm	1.18 x 0.12 in
重量 Weight	≈ 10.8 kg/m	≈ 7.26 lbs/ft
1 inch = 25.4 mm 1 m = 3.28 ft 1 lbs = 0.453kg		

TD-QC53S-50 铝合金桁架允许荷载表
ALLOWABLE LOADING

跨度 SPAN		平均分布负载UDL Uniformly Distributed Load		下垂值 DEFLECTION		中心点负载CPL Centre Point Load		下垂值 DEFLECTION		三段单点负载TPL single load third points		四段单点负载QPL single load fourth points		五段单点负载FPL single load fifth points		自重 total weight
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	kg
3	9.8	2150.0	1447.0	1.5	0.059	5670	12516.6	2.1	0.083	3052	6737.3	2028	4476.8	1535	3388.5	32.4
4	13.1	1720.0	1157.6	2.2	0.087	4340	9580.6	2.7	0.106	2997	6615.9	1996	4406.2	1526	3368.7	43.2
5	16.4	1299.0	874.3	3.4	0.134	3435	7582.8	3.6	0.142	2608	5757.2	1685	3719.6	1394	3077.3	54.0
6	19.7	975.0	656.2	5.3	0.209	3105	6854.3	5.4	0.213	2330	5143.5	1554	3430.5	1304	2878.6	64.8
7	23.0	732.0	492.7	6.6	0.260	2396	5289.2	6.8	0.268	1802	3977.9	1342	2962.5	1066	2353.2	75.6
8	26.2	552.0	371.5	8.3	0.327	2000	4415.0	8.6	0.339	1543	3406.2	1050	2317.9	923	2037.5	86.4
9	29.5	450.0	302.9	11.3	0.445	1780	3929.4	12.0	0.472	1376	3037.5	931	2055.2	830	1832.2	97.2
10	32.8	315.0	212.0	14.0	0.551	1625	3587.2	14.6	0.575	1304	2878.6	842	1858.7	742	1638.0	108.0
11	36.1	280.0	188.4	15.6	0.614	1505	3322.3	16.0	0.630	1200	2649.0	752	1660.0	665	1468.0	118.8
12	39.4	250.0	168.3	16.2	0.639	1460	3223.0	17.2	0.677	1095	2417.2	722	1593.8	608	1342.2	129.6
13	42.6	201.2	135.4	18.9	0.744	1285	2836.6	21.0	0.827	992	2189.8	590	1302.4	540	1192.1	140.4
14	45.9	170.8	115.0	24.3	0.957	1075	2373.1	25.6	1.008	880	1942.6	500	1103.8	486	1072.8	151.2
15	49.2	142.8	96.1	28.9	1.138	972	2145.7	30.0	1.181	812	1792.5	478	1055.2	440	971.3	162.0
16	52.5	128.6	86.6	30.1	1.185	925	2041.9	31.5	1.240	742	1638.0	469	1035.3	430	949.2	172.8
17	55.8	111.0	74.7	35.6	1.402	848	1872.0	33.9	1.335	693	1529.8	431	951.4	412	909.5	183.6
18	59.0	99.6	67.0	40.2	1.583	802	1770.4	41.3	1.626	646	1426.0	410	905.1	362	799.1	194.4
19	62.3	84.0	56.5	42.3	1.665	777	1715.2	44.2	1.740	609	1344.4	394	869.8	330	728.5	205.2
20	65.6	78.3	52.7	48.2	1.898	735	1622.5	48.3	1.902	572	1262.7	372	821.2	319	704.2	216.0
21	68.9	68.5	46.1	53.3	2.098	690	1523.2	53.6	2.110	536	1183.2	356	785.9	294	649.0	226.8
22	72.2	62.3	41.9	57.6	2.268	650	1434.9	59.6	2.346	489	1079.5	334	737.3	275	607.1	237.6
23	75.4	53.5	36.0	62.5	2.461	592	1306.8	69.2	2.724	458	1011.0	309	682.1	258	569.5	248.4
24	78.7	48.6	32.7	70.6	2.780	562	1240.6	75.3	2.965	426	940.4	288	635.8	238	525.4	259.2
1 inch = 25.4 mm 1 m = 3.28 ft 1 lbs = 0.453kg																

- 加载数据只适用于静态负荷和两个支撑点。
- 表中所列荷载均为恒荷载，未考虑动力系数。
- 加载数据基于BS-7905-2/ANSI E1.2-2006/CWA 15902-2, GB/T5237。在考虑安全因素时，加载数据应增加0.8。
- 桁架的自重已考虑。
- 适用桁架高度530mm。弦杆为Φ50*3mm十字芯圆管，腹杆为Φ30*3mm圆管。
- 特别注意: 超过20米的结构，如果由多个部分组合起来而构成的总长度，将会造成10 - 15%弯曲的可能性(在同等荷载的条件下)。允许偏差，负载数据不变。

- 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 530mm. Main tubing Φ 50 * 3mm with cross insert, brace tubing Φ 30 * 3mm.
- Special attention to structure over 20m, if multiple sections combined to make up the total length: Additional Reflection 10 to 15%deflection should be allowed, the allowable loading unchanged.