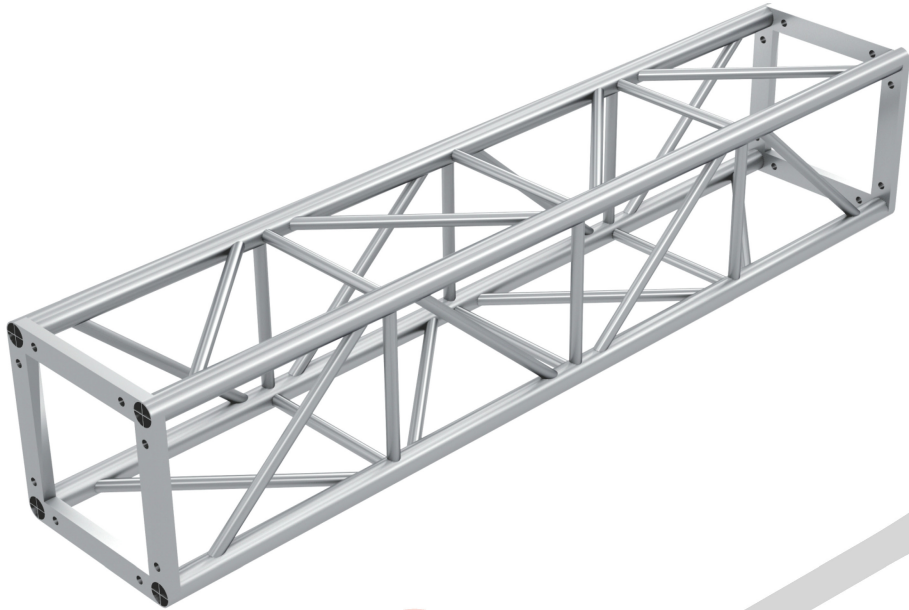
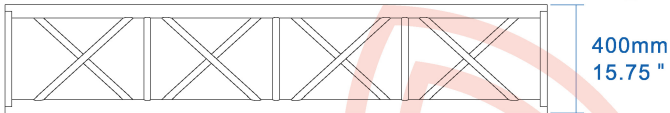


螺栓桁架系列  
Bolt-mounted Series

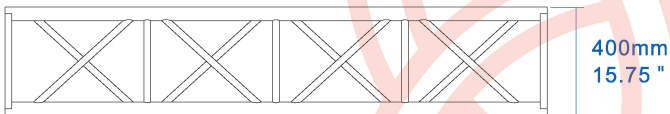
TD-BC40S



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	25 x 2 mm	0.98 x 0.08 in
重量 Weight	≈ 10.9 kg/m	≈ 7.34 lbs/ft
1 inch = 25.4 mm    1 m = 3.28 ft    1 lbs = 0.453kg		

TD-BC40S 铝合金桁架允许荷载表  
ALLOWABLE LOADING

跨度 SPAN		平均分布荷载UDL Uniformly Distributed Load		下垂值 DEFLECTION		中心点荷载CPL Centre Point Load		下垂值 DEFLECTION		三段单点荷载TPL single load third points		四段单点荷载QPL single load fourth points		五段单点荷载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	1050.0	706.7	2.6	0.102	3200	7064.0	2.4	0.094	1720	3796.9	1130	2494.5	918	2026.5	32.7
4	13.1	840.0	565.3	3.3	0.130	2650	5849.9	3.2	0.126	1710	3774.8	1100	2428.3	908	2004.4	43.6
5	16.4	685.0	461.0	5.6	0.220	2220	4900.7	5.4	0.213	1665	3675.5	1085	2395.1	835	1843.3	54.5
6	19.7	566.0	380.9	7.5	0.295	1856	4097.1	7.3	0.287	1380	3046.4	1045	2306.8	778	1717.4	65.4
7	23.0	440.0	296.1	9.6	0.378	1570	3465.8	9.2	0.362	1160	2560.7	942	2079.5	722	1593.8	76.3
8	26.2	350.0	235.6	12.6	0.496	1368	3019.9	11.6	0.457	1020	2251.7	805	1777.0	642	1417.2	87.2
9	29.5	275.0	185.1	14.9	0.587	1200	2649.0	13.9	0.547	900	1986.8	692	1527.6	599	1322.3	98.1
10	32.8	215.0	144.7	18.9	0.744	1080	2384.1	16.9	0.665	802	1770.4	580	1280.4	551	1216.3	109.0
11	36.1	178.0	119.8	20.3	0.799	970	2141.3	19.6	0.772	716	1580.6	528	1165.6	423	933.8	119.9
12	39.4	145.0	97.6	25.3	0.996	825	1821.2	23.8	0.937	640	1412.8	440	971.3	360	794.7	130.8
13	42.6	130.0	87.5	36.6	1.441	760	1677.7	34.2	1.346	600	1324.5	382	843.3	316	697.6	141.7
14	45.9	110.0	74.0	46.3	1.823	705	1556.3	44.2	1.740	510	1125.8	344	759.4	292	644.6	152.6
15	49.2	90.0	60.6	52.0	2.047	640	1412.8	50.0	1.969	482	1064.0	315	695.4	262	578.4	163.5
16	52.5	78.5	52.8	59.9	2.358	580	1280.4	56.5	2.224	432	953.6	294	649.0	237	523.2	174.4
17	55.8	68.2	45.9	62.5	2.461	530	1170.0	59.6	2.346	402	887.4	269	593.8	222	490.1	185.3
18	59.0	59.2	39.8	68.9	2.713	480	1059.6	66.0	2.598	375	827.8	252	556.3	205	452.5	196.2
19	62.3	54.0	36.3	75.9	2.988	450	993.4	72.5	2.854	340	750.6	235	518.8	185	408.4	207.1
20	65.6	48.0	32.3	80.5	3.169	420	927.2	77.8	3.063	325	717.4	215	474.6	176	388.5	218.0
21	68.9	41.5	27.9	88.6	3.488	395	872.0	85.9	3.382	300	662.3	198	437.1	168	370.9	228.9
22	72.2	38.6	26.0	90.6	3.567	365	805.7	87.2	3.433	280	618.1	188	415.0	152	335.5	239.8
23	75.4	35.6	24.0	102.0	4.016	350	772.6	99.5	3.917	265	585.0	182	401.8	148	326.7	250.7
24	78.7	32.0	21.5	116.0	4.567	346	763.8	106.0	4.173	252	556.3	176	388.5	142	313.5	261.6
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400mm，弦杆为Φ50\*3mm十字芯圆管，腹杆为Φ25\*2mm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 400mm. Main tubing Φ 50 \* 3mm with cross insert, brace tubing Φ 25 \* 2mm.
- 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.