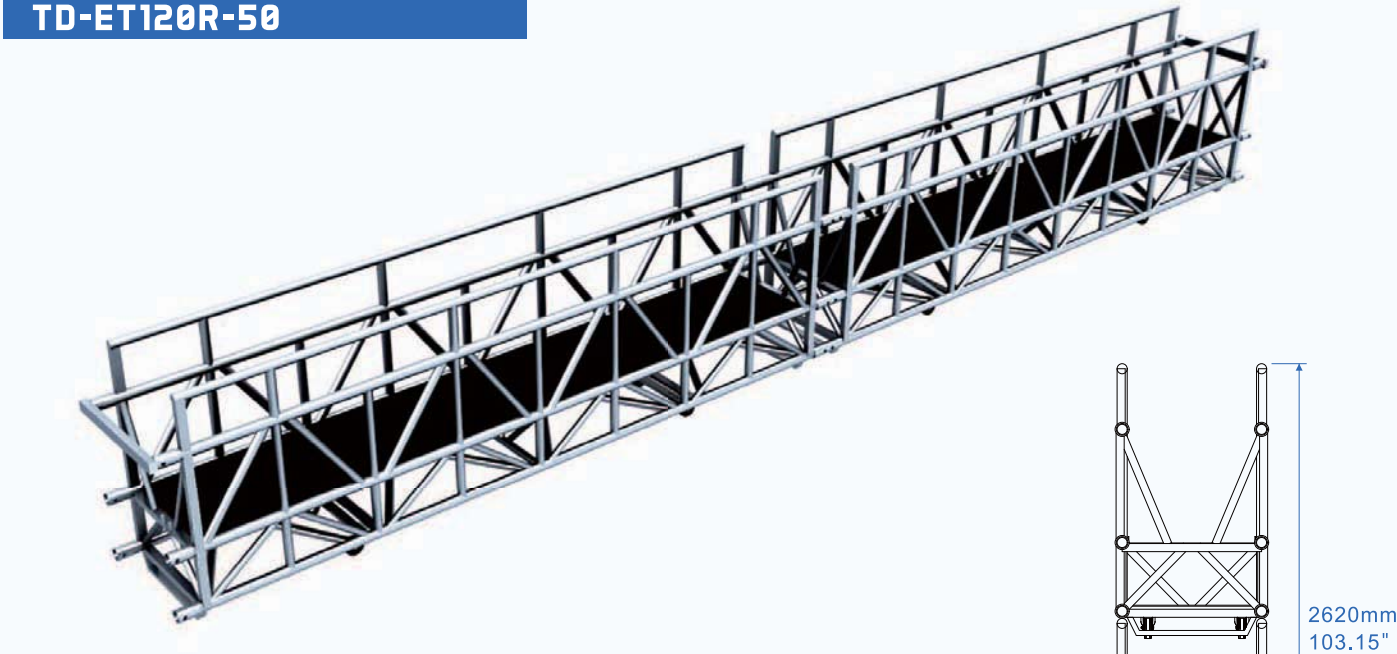


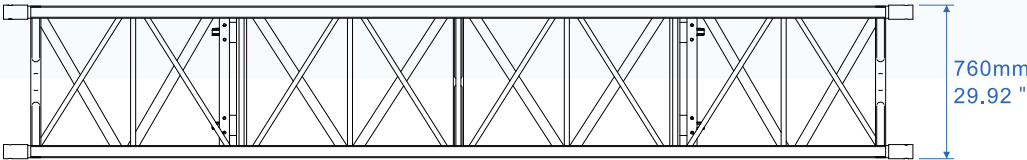
插销桁架系列

Quick Mount Catwalk Truss Series

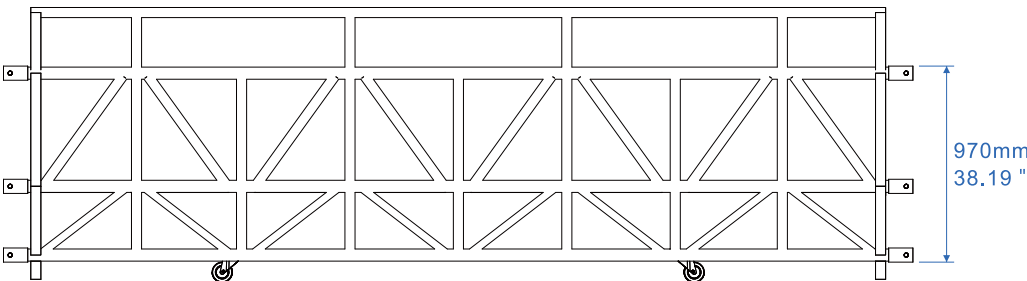
TD-ET120R-50



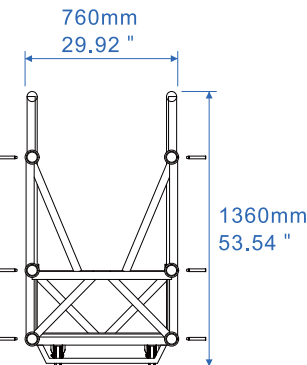
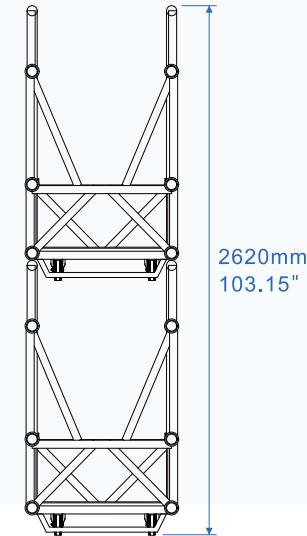
俯视图
Top view



侧视图
Side view



规格 Dimensions		
形状 Shape	灯架 Lighting Truss	灯架 Lighting Truss
材质 Material	EN AW 6082 T6	EN AW 6082 T6
主管 Main Tubes	60 x 3.5 mm Cross Pipe (十字芯)	2.36 x 0.14 in Cross Pipe (十字芯)
副管 Braces	50 x 3 mm Cross Pipe (十字芯)	1.97 x 0.12 in Cross Pipe (十字芯)
重量 Weight	≈ 30 kg/m	≈20.19 lbs/ft
1 inch = 25.4 mm 1 m = 3.28 ft 1 lbs= 0.453kg		



TD-ET120R-50 铝合金桁架允许荷载表

ALLOWABLE LOADING

																	
跨度		平均分布负载UDL		下垂值		中心点负载CPL		下垂值		三段单点负载TPL		四段单点负载QPL		五段单点负载FPL		自重	
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	total weight	
4	13.1	2198.0	1479.3	1.9	0.075	5160.0	11390.7	2.2	0.087	3720.0	8211.9	2250.0	4966.9	2000.0	4415.0	120.0	
5	16.4	1672.0	1125.3	2.3	0.091	3985.0	8796.9	2.6	0.102	2890.0	6379.7	1985.0	4381.9	1600.0	3532.0	150.0	
6	19.7	1060.0	713.4	2.8	0.110	3050.0	6732.9	3.2	0.126	2380.0	5253.9	1798.0	3969.1	1000.0	2207.5	180.0	
7	23.0	796.0	713.4	4.0	0.157	2520.0	5562.9	4.8	0.189	1980.0	4370.9	1385.0	3057.4	950.3	2097.8	210.0	
8	26.2	602.0	535.7	6.3	0.248	2235.0	4933.8	6.5	0.256	1830.0	4039.7	1050.0	2317.9	875.9	1933.6	240.0	
9	29.5	425.0	405.2	7.0	0.276	1986.0	4384.1	8.6	0.339	1590.0	3509.9	945.2	2086.5	800.2	1766.4	270.0	
10	32.8	340.0	286.0	9.5	0.374	1695.0	3741.7	10.5	0.413	1300.0	2869.8	816.5	1802.4	695.8	1536.0	300.0	
11	36.1	260.0	228.8	10.3	0.406	1489.0	3287.0	11.5	0.453	1165.0	2571.7	730.8	1613.2	615.2	1358.1	330.0	
12	39.4	218.0	175.0	11.3	0.445	1395.0	3079.5	12.0	0.472	1020.0	2251.7	645.8	1425.6	570.5	1259.4	360.0	
13	42.6	185.0	146.7	11.6	0.457	1235.0	2726.3	12.2	0.480	915.6	2021.2	575.9	1271.3	495.8	1094.5	390.0	
14	45.9	153.8	124.5	12.3	0.484	1150.0	2538.6	12.8	0.504	800.8	1767.8	530.4	1170.9	456.5	1007.7	420.0	
15	49.2	130.5	103.5	12.5	0.492	1005.0	2218.5	13.2	0.520	778.5	1718.5	505.5	1115.9	415.2	916.6	450.0	
16	52.5	115.2	87.8	12.6	0.496	920.3	2031.6	14.5	0.571	712.6	1573.1	475.6	1049.9	385.4	850.8	480.0	
17	55.8	98.6	77.5	13.2	0.520	861.2	1901.1	14.8	0.583	660.5	1458.1	445.6	983.7	352.4	777.9	510.0	
18	59.0	92.3	66.4	14.5	0.571	789.6	1743.0	15.6	0.614	615.8	1359.4	410.5	906.2	348.9	770.2	540.0	
19	62.3	80.5	62.1	15.9	0.626	740.3	1634.2	16.8	0.661	570.8	1260.0	350.4	773.5	302.5	667.8	570.0	
20	65.6	78.6	54.2	17.6	0.693	620.2	1369.1	18.6	0.732	545.3	1203.8	333.5	736.2	295.6	652.5	600.0	
21	68.9	76.3	52.9	18.6	0.732	580.6	1281.7	20.0	0.787	512.8	1132.0	315.7	696.9	275.2	607.5	630.0	
22	72.2	70.9	51.4	19.8	0.780	540.6	1193.4	21.0	0.827	489.6	1080.8	295.8	653.0	258.8	571.3	660.0	
23	75.4	68.5	47.7	20.0	0.787	515.9	1138.9	22.0	0.866	472.5	1043.0	280.2	618.5	242.5	535.3	690.0	
24	78.7	64.3	46.1	22.0	0.866	486.5	1074.0	23.0	0.906	430.5	950.3	255.4	563.8	228.5	504.4	720.0	
25	82.0	60.5	43.3	23.0	0.906	426.8	942.2	25.0	0.984	405.6	895.4	245.4	541.7	215.2	475.1	750.0	
26	85.3	52.9	40.7	25.0	0.984	400.8	884.8	27.0	1.063	380.2	839.3	232.5	513.2	200.4	442.4	780.0	
27	88.6	48.6	35.6	27.0	1.063	395.6	873.3	33.0	1.299	315.6	696.7	220.8	487.4	185.6	409.7	810.0	
28	91.8	43.8	32.7	35.0	1.378	375.8	829.6	39.0	1.535	275.4	607.9	205.7	454.1	172.5	380.8	840.0	
29	95.1	42.1	29.5	39.0	1.535	365.2	806.2	45.0	1.772	246.5	544.2	200.1	441.7	168.5	372.0	870.0	
30	98.4	40.3	28.3	46.0	1.811	340.5	751.7	52.0	2.047	230.8	509.5	192.5	424.9	155.6	343.5	900.0	
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970mm, 弦杆为Φ60*3.5mm十字芯圆管, 腹杆为Φ50*3mm十字芯圆管。
- **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 970mm, Main tubing Φ 60 * 3.5mm with cross insert, brace tubing Φ 50 * 3mm with cross insert.
- 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 .