

## 插销桁架折叠系列

## Quick Mount Foldable Series

### TD-QC112RF-60-S6

- TD-QC112RF-60-S6折叠桁架可节省70%的仓储及运输空间
- EN AW 6082 T6国际标准材料
- 6条主管使整体桁架允许荷载更强
- 专利桁架

• The super strong TD-QC112RF-60-S6 is a model of our high loading, foldable and quick mount series, designed for the need of extra high loading as well as longer span.

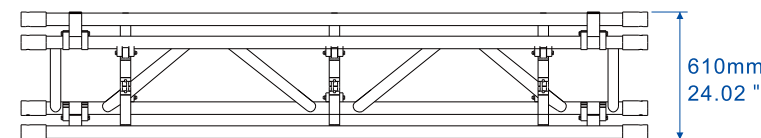
• The unique rectangular cross section truss is fixed with strong quick mount couplers at the end of all the pipes.

• Thanks to the patented design of being foldable, cost is reduced by saving ample space up to 70% of both storage and delivering gears

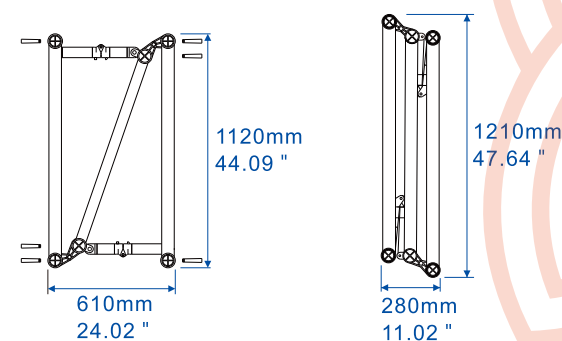
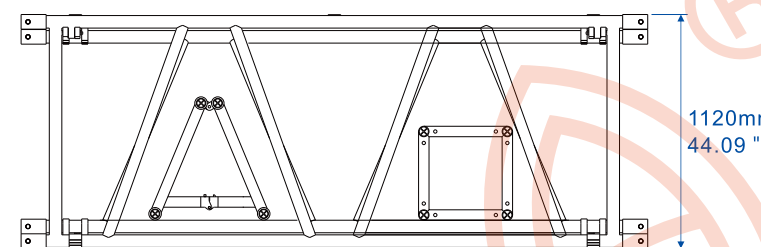
• The welding material is imported and the welding work is done by our qualified skilled craftsmen.

• This is widely suitable for most project

俯视图  
Top view



侧视图  
Side view



### 规格 Dimensions

形状 Shape	折叠 Folding	折叠 Folding
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	1.97 x 0.12 in
重量 Weight	≈ 28.7 kg/m	≈ 19.32 lbs/ft

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







Test Report  
No. 2436661-51

Mark Certificate  
No. 16.09.9816.005

TUV certification only valid for loading table above

TUV认证只适用于以上表格。

### TD-QC112RF-60-S6 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		DEFLECTION 下垂值			DEFLECTION 下垂值			DEFLECTION 下垂值			DEFLECTION 下垂值			DEFLECTION 下垂值	自重 total weight
					中心点负载CPL Centre Point Load			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			
m	ft	kg/m	lbs/ft	cm	kg	lbs	cm	kg	lbs	cm	kg	lbs	cm	kg	lbs	cm	kg
5	16.4	404	272	0.1	2021	4461	0.1	1010	2230	0.1	674	1488	0.0	505	1115	0.1	144
6	19.7	333	224	0.1	1998	4411	0.1	999	2205	0.1	666	1470	0.0	500	1104	0.1	172
7	23.0	282	190	0.2	1976	4362	0.2	988	2181	0.2	659	1455	0.1	494	1091	0.2	201
8	26.2	244	164	0.2	1953	4311	0.3	977	2157	0.3	651	1437	0.1	488	1077	0.3	230
9	29.5	215	145	0.3	1931	4263	0.5	965	2130	0.4	644	1422	0.1	483	1066	0.4	258
10	32.8	191	129	0.4	1908	4212	0.7	954	2106	0.6	636	1404	0.1	477	1053	0.5	287
11	36.1	171	115	0.6	1886	4163	0.9	943	2082	0.8	629	1389	0.2	471	1040	0.7	316
12	39.4	155	104	0.8	1863	4113	1.2	932	2057	1.0	621	1371	0.3	466	1029	0.9	344
13	42.6	142	96	1.0	1841	4064	1.5	920	2031	1.3	614	1355	0.4	460	1015	1.1	373
14	45.9	130	87	1.2	1818	4013	1.8	909	2007	1.6	606	1338	0.5	455	1004	1.4	402
15	49.2	120	81	1.5	1796	3965	2.2	898	1982	1.9	599	1322	0.6	449	991	1.8	431
16	52.5	111	75	1.8	1773	3914	2.7	887	1958	2.4	591	1305	0.7	443	978	2.1	459
17	55.8	103	69	2.2	1751	3865	3.2	875	1932	2.8	584	1289	0.9	438	967	2.6	488
18	59.0	96	65	2.6	1728	3815	3.8	864	1907	3.3	576	1272	1.0	432	954	3.0	517
19	62.3	90	61	3.1	1706	3766	4.5	853	1883	3.9	569	1256	1.2	426	940	3.6	545
20	65.6	84	57	3.6	1683	3715	5.2	842	1859	4.6	561	1238	1.4	421	929	4.1	574
21	68.9	79	53	4.1	1661	3667	6.0	830	1832	5.3	554	1223	1.7	415	916	4.8	603
22	72.2	74	50	4.8	1638	3616	6.9	819	1808	6.1	546	1205	1.9	410	905	5.5	631
23	75.4	70	47	5.4	1589	3508	7.8	808	1784	6.9	539	1190	2.2	404	892	6.3	660
24	78.7	66	44	6.2	1501	3313	8.5	797	1759	7.8	531	1172	2.5	398	879	7.1	689
25	82.0	63	42	7.0	1419	3132	9.2	785	1733	8.8	524	1157	2.8	393	868	8.1	718
26	85.3	60	40	7.9	1342	2962	10.0	774	1709	9.9	516	1139	3.1	387	854	9.1	746
27	88.6	57	38	8.9	1271	2806	10.9	763	1684	11.1	509	1124	3.5	381	841	10.1	775
28	91.8	54	36	9.9	1203	2656	11.8	752	1660	12.3	501	1106	3.9	376	830	11.3	804
29	95.1	51	34	11.0	1139	2514	12.7	740	1634	13.7	494	1091	4.3	370	817	12.5	832
30	98.4	49	33	12.2	1079	2382	13.7	729	1609	15.1	486	1073	4.8	365	806	13.9	861
31	101.7	46	31	13.5	1022	2256	14.7	718	1585	16.6	479	1057	5.3	359	792	15.3	890
32	105.0	44	30	14.8	968	2137	15.7	707	1561	18.3	471	1040	5.8	353	779	16.8	918
33	108.2	42	28	16.3	917	2024	16.8	688	1519	19.8	458	1011	6.3	348	768	18.4	947
34	111.5	40	27	17.8	868	1916	18.0	616	1360	21.1	434	958	6.7	342	755	20.1	976
35	114.8	38	26	19.5	821	1812	19.2	582	1285	22.4	410	905	7.1	336	742	21.9	1005
36	118.1	37	25	21.2	776	1713	20.4	582	1285	23.7	388	857	7.5	323	713	23.5	1033
37	121.4	35	24	23.0	733	1618	21.7	549	1212	25.1	366	808	8.0	305	673	24.9	1062
38	124.6	34	23	25.0	691	1525	23.0	518	1143	26.5	346	764	8.5	288	636	26.3	1091
39	127.9	32	22	27.0	651	1437	24.4	488	1077	28.0	326	720	8.9	271	598	27.7	1119
40	131.2	31	21	29.1	613	1393	25.9	460	1015	29.5	306	675	9.4	255	563	29.2	1148
1 inch = 25.4 mm		1 m = 3.28 ft		1 lbs= 0.453kg													

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- 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B5-7905 -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1120mm。弦杆为Φ60\*3.5mm十字芯圆管，腹杆为Φ50\*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 B5 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 1120mm. Main tubing Φ 60 \* 3.5mm with cross insert, brace tubing Φ 50 \* 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.