

产品使用说明书

插销桁架系列

前言

感谢您使用“广州市耀纳舞台科技有限公司”研制的“舞台桁架”设备，舞台桁架是我国文化产业链中文化演出活动应用最广泛的一种快速搭设或演出灯光、扬声器吊挂等舞台设备，是演出舞台搭建设备中的重要组成部份，它的结构形式和布置是多以结构空间和舞台造型骨架等形式。

本说明书是为了确保用户能正确的使用该设备，并在舞台桁架搭建和使用过程发挥该设备的最大效能。本说明书中重点指出了“舞台桁架”设备的使用环境、性能、安装、保养维护等日常使用容易出现的问题和注意事项。

请您在安装之前，务必熟读此说明书。

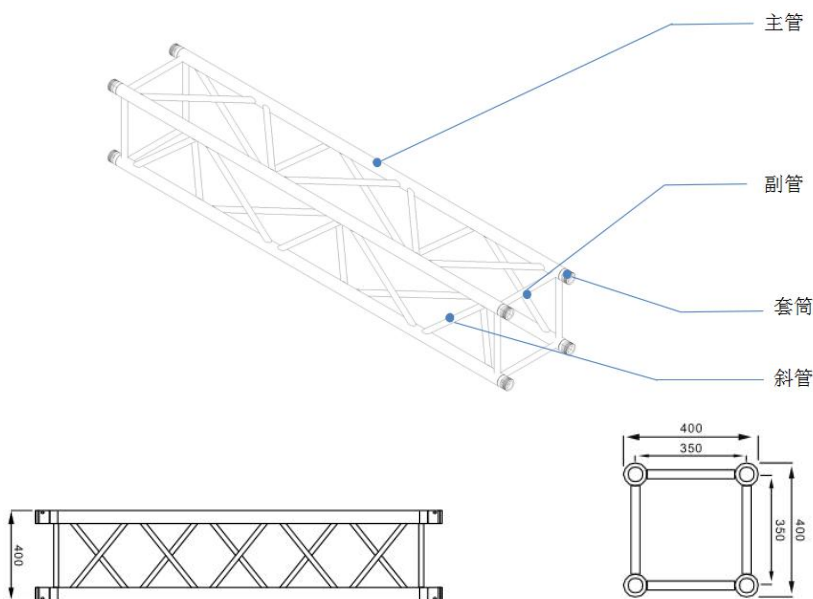
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一、设备结构说明及技术参数

1.1.设备主要结构

桁架”主要由铝合金主管、副管、斜管、横管拼接，采用力学结构原理组合而成。



品牌名称：耀纳

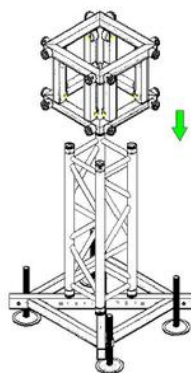
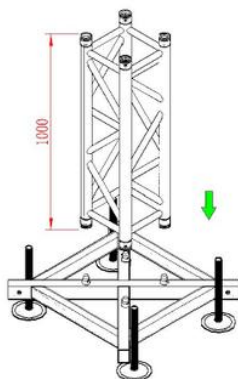
主要材质：航空铝材 6061-T6/6082-T6

1.2.设备技术参数

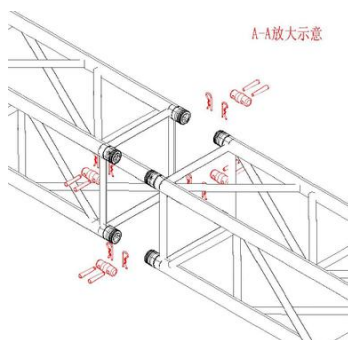
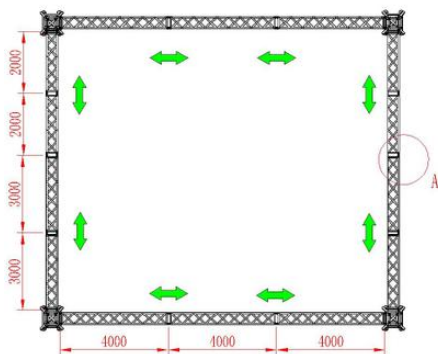
TSS4040(Loading table)																					
Main Tube : Φ50X3.0 Braces : Φ25X2.0																				Material: 6061-T6 ☒ 6082-T6 ☒	
MAXIMUM ALLOWABLE POINT LOADS																					
SPAN		Uniformly Distributed Load		DEFLECTION		Centre Point Load		DEFLECTION		Single Load Third Points Load per Point		Single Load Fourth Points Load per Point		Single Load Fifth Points Load per Point		SPAN					
										TPL		QPL		FPL							
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight(kg)					
2	6.6	1351	2972.2	3.3	0.1	1483	3262.6	3.1	0.1	1216	2675.2	954	2098.8	763	1678.6	14.4					
4	13.1	526.8	1158.9	7.9	0.3	1169.2	2572.2	8.4	0.3	972.4	2139.3	770.4	1694.9	675.4	1485.9	28.8					
6	19.7	289	635.8	11	0.4	960	2112	12	0.5	810	1782	648	1425.6	617	1357.4	43.2					
8	26.2	190.8	419.8	25.4	1.0	744	1636.8	22.8	0.9	612	1346.4	510	1122	467.6	1028.7	57.6					
10	32.8	148	325.6	35	1.4	600	1320	30	1.2	480	1056	418	919.6	368	809.6	72					
12	39.4	110.1	242.3	77	3.0	570	1254	75.6	3.0	444.6	978.1	402.4	885.3	360.2	792.4	86.4					
14	45.9	93	204.6	105	4.1	550	1210	106	4.2	421	926.2	392	862.4	355	781	100.8					
16	52.5	68.3	150.3	162	6.4	490	1078	135.4	5.3	343.6	755.9	312.8	688.2	288.4	634.5	115.2					
18	59.1	55.5	122.1	200	7.9	450	990	155	6.1	292	642.4	260	572	244	536.8	129.6					
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg																					

二、操作说明

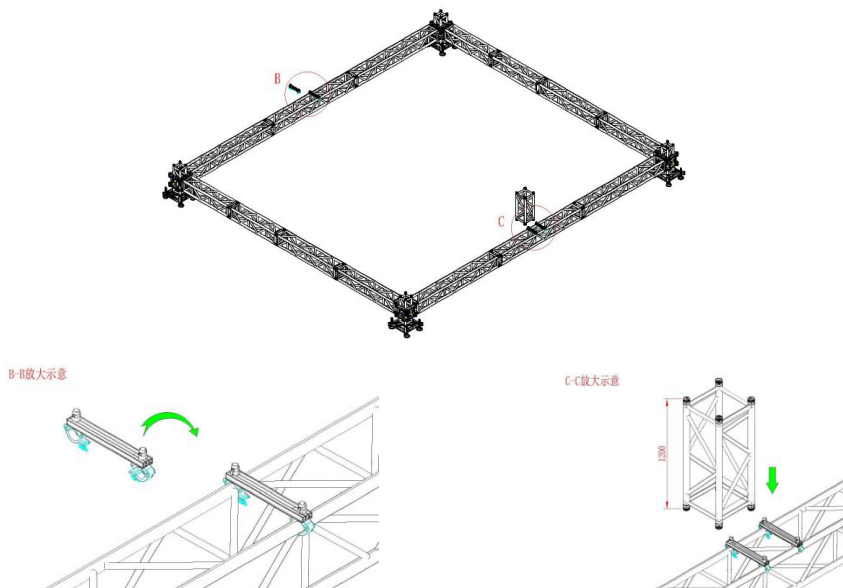
2.1.安装操作规程



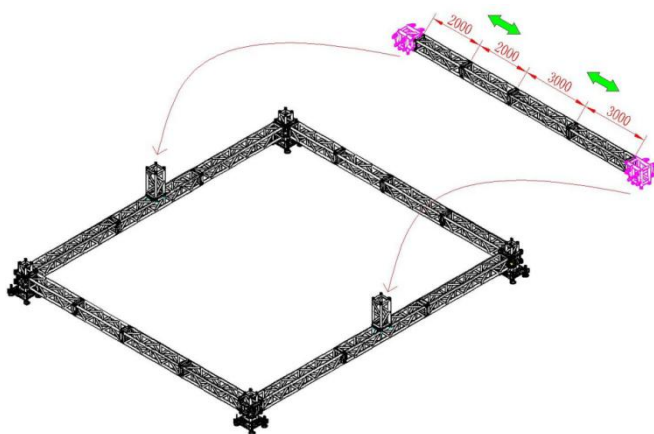
- 1、先把全部的铁底座放到相应的位置，在把脚杯调至水平，再把底座跟1m长的桁架连接起来。
- 2、再已经连接完的铁底座之后，再把方套套住桁架。



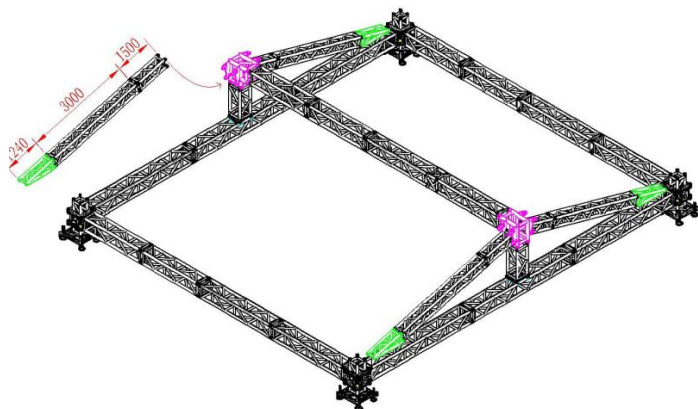
- 3、在把横梁桁架摆放好并连接起来（如图A-A所示）连接完后，在把铁底座脚杯位置调至水平。



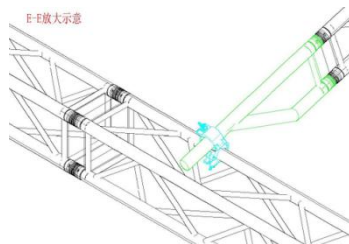
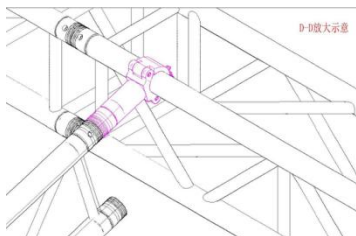
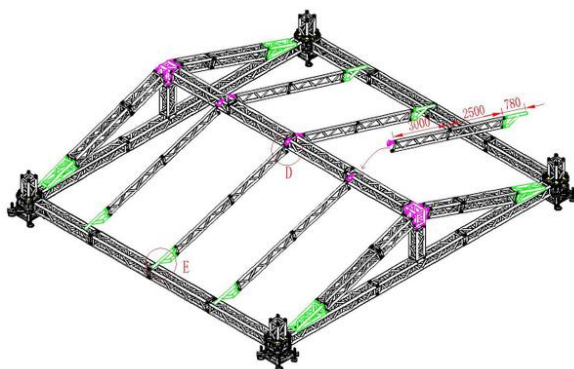
4、连接好横梁后，再接着安装金字顶部分，先把扁担安装在相应的位置(如图B-B所示)。接着再把金字顶立柱安装上去(如图C-C所示)。



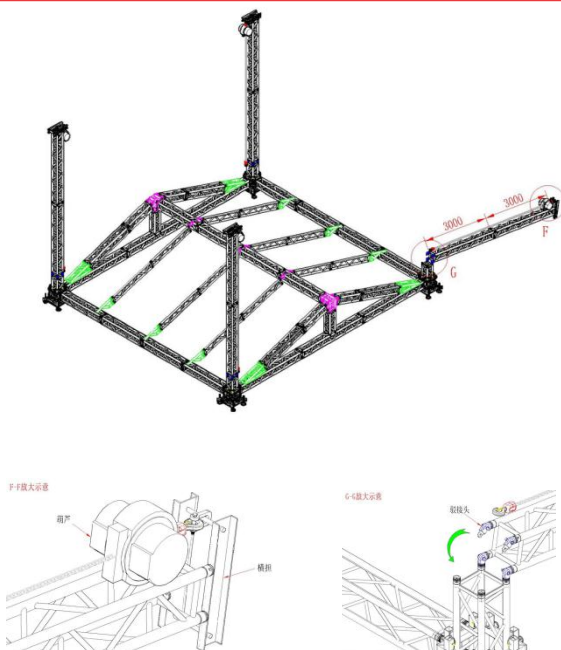
5、连接好金字顶立柱部分后，再把金字顶横梁在地面组装好，在安装在立柱上。



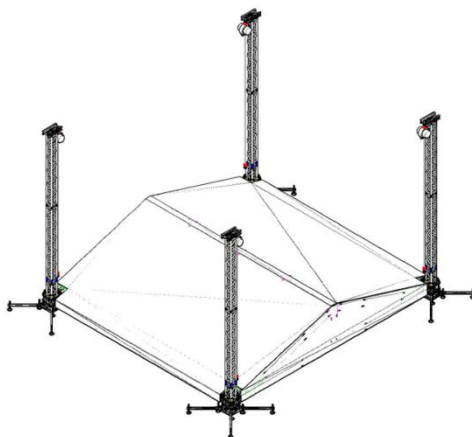
6、安装好金字顶横梁后，接着把斜梁部分也分别安装。



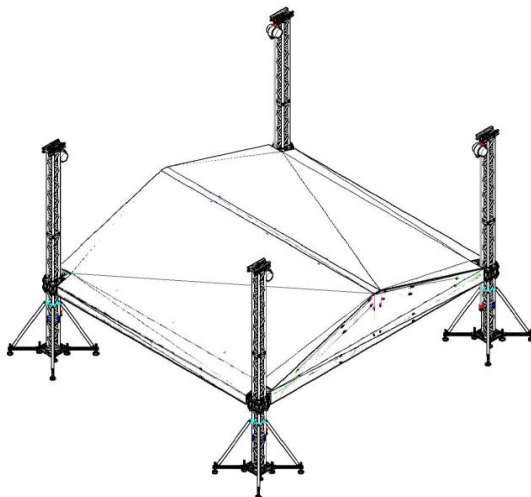
7、接着安装金字顶单排架，在地面摆放好连接一起，再连接到金字顶横梁处(如图D-D示意)。连接好后再把斜接头部分用双环扣紧扣(如图E-E示意)。



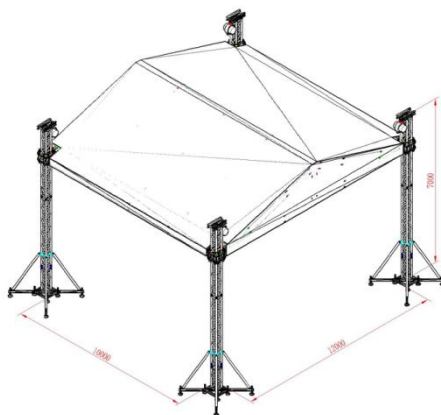
8、金字顶部分连接好后,再接着安装立柱部分,先在地面安装好立柱、横担跟葫芦(如图F-F所示)再安装驳接头,再抬到首层立柱处(如图G-G所示)。接着确保各部件连接好,再把立柱用人力或者借助工具翻上去。



9、立柱装好后，再把篷布安装在金字顶上面固定，接着把火箭脚装上铁底座上。



10、再整体检查各部件安装是否连接好、稳当，检查好后开始用葫芦整体升高2m左右，接着安装斜撑。



11、立柱斜撑安装好后，接着继续用葫芦升高到所需高度即可，工程安装完毕。

三、维护保养注意事项

3.1.桁架应避免尖锐物体划伤;

3.2.在桁架搬运过程中应尽量避免与粗糙地面推拉摩擦;

3.3.本桁架的材质为航空铝合金, 应避免与具有腐蚀性 and 酸性液体接触;

3.4.铝合金桁架应避免长时间浸泡, 如果使用环境为水中环境则需要采用做阳极氧化处理工具的桁架方可; 桁架表面如有污垢, 因及时用清水软布擦拭清洁;

3.5.桁架的储存应尽量避免存放较潮湿的环境 (储存环境温度: $\leq 55^{\circ}\text{C}$ 、湿度: $\leq 90\%$), 每次使用前需对桁架的焊接位是否因荷载过大造成裂缝或整体结构变形进行排查, 确保受损桁架及时得到修复, 保障舞台桁架结构安全;

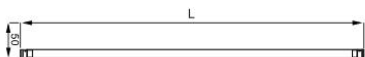
3.6.当桁架在使用过程受到一定承重荷载时, 会有轻微弯曲, 弯曲弧度应小于桁架承重荷载表的范围之内, 当承重和荷载减弱或停止时便可自然恢复 (详情请参考桁架承重荷载表);

3.7.在舞台桁架搭建过程中应严格按操作规程中的要求进行搭建，并严格参照桁架承重荷载范围及跨度进行操作，搭建单位人员应符合国家或当地法律、法规的相关要求资质，方可上岗操作。

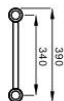
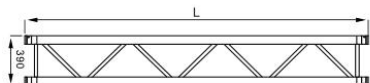
3.8 本说明书的最终解释权归耀纳舞台科技所有！

四、插销桁架跨度承重荷载表

Top View



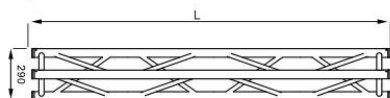
Side View



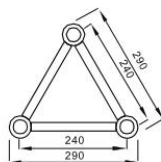
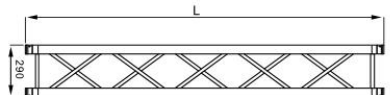
TSL390(Loading table)																
Main Tube : Φ50X3.0 Braces : Φ25X2.0										MAXIMUM ALLOWABLE POINT LOADS				Material:		
														6061-T6 ☒		
														6082-T6 ☒		
SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight(kg)
2	6.6	540	1188	4.0	0.2	550	1210	3.3	0.1	400	880	300	660	260	572	5.9
4	13.1	210	462	6.9	0.3	398	875.6	5.6	0.2	296	651.2	222	488.4	194	426.8	11.8
6	19.7	100	220	10.6	0.4	271.3	596.9	8.5	0.3	209.3	460.5	157	345.4	139	305.8	17.7
8	26.2	45	99	15	0.6	170	374	12	0.5	140	308	105	231	95	209	23.6
10	32.8	25.7	56.4	22.2	0.9	116	255.2	16.8	0.7	100.4	220.9	73	160.5	65	143	29.5
12	39.4	15	33	27	1.1	80	176	20	0.8	74	162.8	51.6	113.5	45	99	35.4

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

Top View



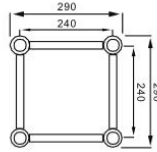
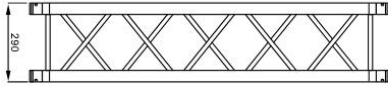
Side View



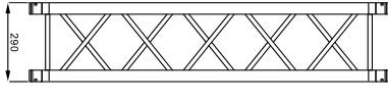
TST290(Loading table)																
Main Tube : Φ50X2.0 Braces : Φ20X2.0										MAXIMUM ALLOWABLE POINT LOADS				Material:		
														6061-T6 ☒		
														6082-T6 ☒		
SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight(kg)
2	6.6	1368	3009.6	10.3	0.4	888	1953.6	5.8	0.2	766.8	1687	613.2	1349	554.4	1219.7	9.6
4	13.1	457.2	1005.9	45.5	1.8	639.3	1406.4	33.1	1.3	485.3	1067.7	385.5	848.1	346.2	761.7	19.2
6	19.7	181	398.3	76.9	3.0	471.2	1036.6	57	2.2	293.9	646.5	230.6	507.4	204.6	450.1	28.8
8	26.2	104.4	229.8	154.7	6.1	350.3	770.6	113.2	4.5	230.6	507.3	195	429.1	164.8	362.6	38.4
10	32.8	66.6	146.4	213.6	8.4	268.8	591.4	155.8	6.1	188.2	414	171.5	277.3	138.2	304.1	48

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

Top View



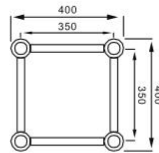
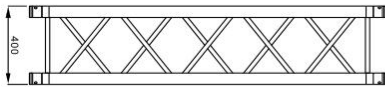
Side View



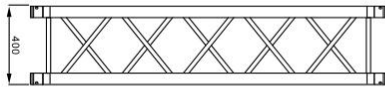
TSS2929(Loading table)

Main Tube: Φ50X3.0 Braces: Φ20X2.0																				Material: 6061-T6 ☒ 6082-T6 ☒	
SPAN		Uniformly Distributed Load		DEFLECTION		Centre Point Load		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS						SPAN					
		UDL				CPL				Single Load Third Points Load per Point		Single Load Fourth Points Load per Point		Single Load Fifth Points Load per Point							
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	TP	QPL	FPL	kg	lbs	total weight(kg)						
2	6.6	1440	2288	4.9	0.2	1250	2750	3.7	0.1	1004	2208.8	813	1788.6	630	1386	13					
4	13.1	436.5	960.4	23.6	0.9	944	2076.8	14.7	0.6	774.2	1703.2	598.2	1316	474.6	1044.1	26					
6	19.7	266	585.2	36	1.4	740	1628	22	0.9	621	1366.2	455	1001	371	816.2	39					
8	26.2	168.4	370.5	69	2.7	596	1311.2	47.2	1.9	506.4	1114.1	372.8	820.2	305.6	672.3	52					
10	32.8	124	272.8	91	3.6	500	1100	64	2.5	430	946	318	699.6	262	576.4	65					
12	39.4	82.4	187.3	129.9	5.1	435.2	957.4	114.4	4.5	356.4	784.1	268.8	591.4	227.6	500.7	78					
14	45.9	59.8	131.6	178.6	7.0	381.2	838.6	156.4	6.2	295.1	649.1	227.8	501.2	198.9	437.7	91					
16	52.5	46	101.2	237	9.3	338	743.6	190	7.5	246	541.2	195	429	176	487.2	104					
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg																					

Top View



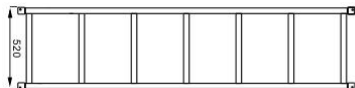
Side View



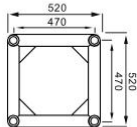
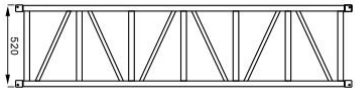
TSS4040(Loading table)

Main Tube : Φ50X3.0 Braces : Φ25X2.0										 										Material: 6061-T6 ☒ 6082-T6 ☒	
SPAN		Uniformly Distributed Load		DEFLECTION		Centre Point Load		MAXIMUM ALLOWABLE POINT LOADS								SPAN					
		UDL				CPL		DEFLECTION		TPL		QPL		FPL							
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	total weight(kg)					
2	6.6	1351	2972.2	3.3	0.1	1483	3262.6	3.1	0.1	1216	2675.2	954	2098.8	763	1678.6	14.4					
4	13.1	526.8	1158.9	7.9	0.3	1169.2	2572.2	8.4	0.3	972.4	2139.3	770.4	1694.9	675.4	1485.9	28.8					
6	19.7	289	635.8	11	0.4	960	2112	12	0.5	810	1782	648	1425.6	617	1357.4	43.2					
8	26.2	190.8	419.8	25.4	1.0	744	1636.8	22.8	0.9	612	1346.4	510	1122	467.6	1028.7	57.6					
10	32.8	148	325.6	35	1.4	600	1320	30	1.2	480	1056	418	919.6	368	809.6	72					
12	39.4	110.1	242.3	77	3.0	570	1254	75.6	3.0	444.6	978.1	402.4	885.3	360.2	792.4	86.4					
14	45.9	93	204.6	105	4.1	550	1210	106	4.2	421	926.2	392	862.4	355	781	100.8					
16	52.5	68.3	150.3	162	6.4	490	1078	135.4	5.3	343.6	755.9	312.8	688.2	288.4	634.5	115.2					
18	59.1	55.5	122.1	200	7.9	450	990	155	6.1	292	642.4	260	572	244	536.8	129.6					
1 inch=25.4mm 1m=3.28ft 1 lbs=0.453kg																					

Top View



Side View



TSS5252(Loading table)

Main Tube : Φ50X3.0 Vice Tube : Φ50X2.0
Braces : Φ25X2.0

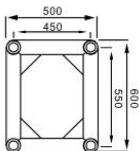
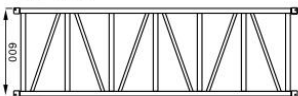
SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN	total weight(kg)
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs		
2	6.6	1416	3115.2	3.7	0.1	2200	4840	2.9	0.1	1586	3489.2	1256	2763.2	1116	2455.2	20.4	
4	13.1	685.3	1507.7	12	0.5	1736	3819.2	8	0.3	1255.6	2762.3	990	2178	880.4	1936.9	40.8	
6	19.7	441.8	971.9	22.5	0.9	1349	2968.5	14.4	0.6	980.3	2156.6	768.3	1690.3	684.1	1504.9	61.2	
8	26.2	320	704	35	1.4	1040	2288	22	0.9	760	1672	591	1300.2	527	1159.4	81.6	
10	32.8	228.5	502.8	52.9	2.1	956	2103.2	37.7	1.5	655.2	1441.4	512.2	1126.8	470.2	1034.4	102	
12	39.4	167.6	368.6	75.2	3.0	886	1949.2	57.4	2.3	567.9	1249.3	446.5	982.4	422.9	930.3	122.4	
14	45.9	124	272.8	102	4.0	830	1826	81	3.2	498	1095.6	394	866.8	385	847	142.8	
16	52.5	98.6	216.9	133.5	5.3	694	1526.8	98.1	3.9	446.8	983	344.8	758.6	328.2	722	163.2	
18	59.1	78.8	173.4	172.8	6.8	580.7	1277.5	119.4	4.7	404.1	889.1	303.8	668.4	280.9	617.9	183.6	
20	65.6	63	138.6	220	8.7	490	1078	145	5.7	370	814	271	596.2	243	534.6	204	

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

Top View



Side View



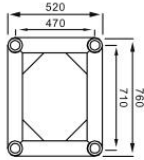
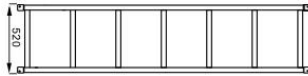
TSS5060(Loading table)

Main Tube : Φ50X3.0 Vice Tube : Φ50X2.0
Braces : Φ25X2.0

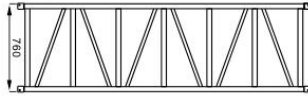
SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN	total weight(kg)
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs		
2	6.6	1486.8	3271	3.9	0.2	2310	5082	3	0.1	1665.3	3663.7	1318.8	2901.4	1171.8	2578	21.3	
4	13.1	719.6	1583.1	12.6	0.5	1822.8	4010.2	8.4	0.3	1318.4	2900.4	1039.5	2286.9	924.4	2033.7	42.6	
6	19.7	463.9	1020.5	23.6	0.9	1416.8	3117	15.1	0.6	1029.3	2264.3	806.8	1774.9	718.3	1580.2	63.9	
8	26.2	336	739.2	36.8	1.4	1092	2402.4	23.1	0.9	798	1755.6	620.6	1365.2	553.4	1217.4	85.2	
10	32.8	240	527.9	55.5	2.2	1003.8	2208.4	39.6	1.6	688	1513.5	537.8	1183.2	493.7	1086.2	106.5	
12	39.4	175.9	387.1	79	3.1	930.3	2046.7	60.3	2.4	596.3	1311.8	468.9	1031.5	444	976.8	127.8	
14	45.9	130.2	286.4	107.1	4.2	871.5	1917.3	85.1	3.3	522.9	1150.4	413.7	910.1	404.3	889.4	149.1	
16	52.5	103.5	227.7	140.1	5.5	728.7	1603.1	103	4.1	469.1	1032.1	362	796.5	344.6	758.1	170.4	
18	59.1	82.8	182.1	181.4	7.1	609.7	1341.3	125.4	4.9	424.3	933.5	319	701.8	294.9	648.8	191.7	
20	65.6	66.2	145.5	231	9.1	514.5	1131.9	152.3	6.0	388.5	854.7	284.6	626	255.2	561.3	213	
22	72.2	47	103.4	283	11.1	426	937.2	181	7.1	350	770	262	576.4	224	492.8	234.3	

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

Top View



Side View



TSS5276(Loading table)

Main Tube : Φ50X3.0 Vice Tube : Φ50X2.0

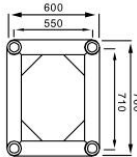
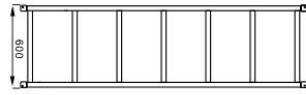
Braces : Φ25X2.0

SPAN		Uniformly Distributed Load		DEFLECTION		Centre Point Load		Single Load Third Points				Single Load Fourth Points		Single Load Fifth Points		6082-T6 ☒
		UDL				CPL		DEFLECTION		TPL		QPL		FPL		
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	total weight(kg)
2	6.6	1543	3394.6	3.8	0.1	2351	5172.2	3.3	0.1	1663	3658.6	1334	2934.8	1147	2523.4	21.3
4	13.1	655	1441.1	11.7	0.5	1915.4	4213.9	8.5	0.3	1305.4	2871.9	1000.4	2200.9	866.2	1905.6	46.6
6	19.7	405	891	17	0.7	1625	3575	12	0.5	1067	2347.4	778	1711.6	679	1493.8	69.9
8	26.2	265.9	585.1	33.2	1.3	1373.6	3021.9	21	0.8	903.8	1988.4	679.6	1495.1	572.8	1260.2	93.2
10	32.8	204.9	450.8	44	1.7	1206	2653.2	27	1.1	795	1749	614	1350.8	502	1104.4	116.5
12	39.4	160.9	354.1	57.6	2.3	1047.2	2303.8	36	1.4	717.4	1578.3	573.6	1261.9	470.2	1034.4	139.8
14	45.9	129.5	285	74.6	2.9	914.9	2012.7	47.3	1.9	652.7	1436	539.9	1187.9	443.7	976.1	163.1
16	52.5	106	233.2	95	3.7	809	1779.8	60.9	2.4	601	1322.2	513	1128.6	422.5	929.5	186.4
18	59.1	78.7	173.1	119.3	4.7	742.4	1632.8	77.7	3.1	555	1221	478.2	1052	393.1	864.8	209.7
20	65.6	56.9	125.1	149.6	5.9	686.5	1510.4	98.8	3.9	516.7	1136.7	449.2	988.2	368.6	810.9	233
22	72.2	39	85.8	186	7.3	642	1412.4	124	4.9	486	1069.2	426	937.2	349	767.8	256.3

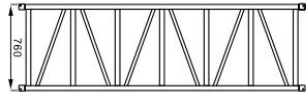
1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg

Material:
6061-T6 ☒
6082-T6 ☒

Top View



Side View



TSS6076(Loading table)

Main Tube : Φ50X3.0 Vice Tube : Φ50X2.0

Braces : Φ30X2.0

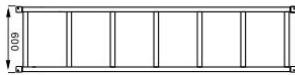
Uniformly Distributed Load				Centre Point Load				Single Load Third Points				Single Load Fourth Points				Single Load Fifth Points				6082-T6 ☒	
SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN					
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs	kgs	lbs	total weight(kg)			
2	6.6	1674.9	3684.7	4.1	0.2	2551.9	5614.3	3.6	0.1	1805.1	3971.3	1448	3185.6	1245	2731.1			24.7			
4	13.1	711	1567.2	12.7	0.5	2079.1	4574	9.2	0.4	1417	3117.3	1085.9	2389	940.2	2068.5			49.4			
6	19.7	439.6	967.2	18.5	0.7	1763.9	3880.5	13	0.5	1152.2	2548	844.5	1857.9	737	1621.5			74.5			
8	26.2	288.7	635.1	36	1.4	1491	3280.2	22.8	0.9	981	2158.3	737.7	1622.9	621.8	1367.9			123.1			
10	32.8	222.4	489.3	47.8	1.9	1309.1	2880	29.3	1.2	862.9	1898.5	666.5	1466.3	544.9	1198.8			174.5			
12	39.4	174.7	384.3	62.5	2.5	1136.7	2500.7	39.1	1.5	778.7	1713.2	622.6	1369.8	510.4	1122.9			228.2			
14	45.9	140.6	309.4	81	3.2	993.1	2184.7	51.4	2.0	708.5	1558.7	586.1	1289.4	481.6	1059.6			149.2			
16	52.5	115.1	253.1	103.1	4.1	878.1	1931.9	66.1	2.6	652.4	1435.2	556.8	1225.1	458.6	1008.9			197.6			
18	59.1	85.4	197.9	129.5	5.1	805.6	1772.4	84.4	3.3	602.4	1325.4	519.1	1142	426.7	938.7			222.3			
20	65.6	61.7	135.8	162.4	6.4	745.2	1639.5	107.2	4.2	560.8	1233.8	487.6	1072.7	400.1	880.2			247.7			
22	72.2	42.3	93.1	201.9	7.9	696.9	1533.1	134.6	5.3	527.5	1160.6	462.4	1017.3	378.8	833.4			271.1			
24	78.7	24	52.8	226	8.9	560	1232	146	5.7	430	946	315	693	283.5	623.7			296.4			

1inch=25.4mm | 1m=32.8ft | 1lbs=0.453kg

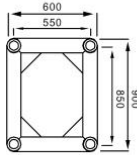
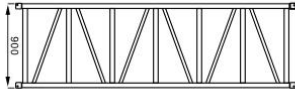
1 inch=25.4mm | 1m=3.28ft | 1 lbs=0.453kg

Material:
6061-T6 ☒
6082-T6 ☒

Top View



Side View



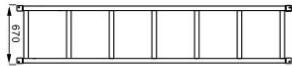
TSS6090(Loading table)

Main Tube : $\Phi 50 \times 4.0$ Vice Tube : $\Phi 50 \times 2.0$
Braces : $\Phi 30 \times 2.0$

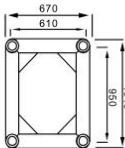
SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN	total weight(kg)
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs		
2	6.6	3549	7807.8	4.4	0.2	3017	6637.4	3.6	0.1	3125	6875	2268	4989.6	1771	3896.2		31.5
4	13.1	1542.6	3393.6	13.2	0.5	2548.4	5606.5	9.2	0.4	2307.2	5075.8	1678.8	3693.4	1409.2	3100.2		63
6	19.7	982	2160.4	19	0.7	2236	4919.2	13	0.5	1762	3876.4	1286	2829.2	1168	2569.6		94.5
8	26.2	698.8	1537.4	28.9	1.1	1912	4206.4	18.1	0.7	1534.4	3375.7	1116.4	2456.1	1036.4	2280.1		126
10	32.8	462.8	1018.2	41.2	1.6	1642	3612.4	24.4	1.0	1344.7	2958.4	975.1	2145.1	926.7	2038.8		157.5
12	39.4	274	602.8	56	2.2	1426	3137.2	32	1.3	1193	2624.6	862	1896.4	839	1845.8		189
14	45.9	231.2	508.6	69.6	2.7	1314.8	2892.6	42.7	1.7	1018.6	2240.9	730.8	1607.8	698.2	1536		220.5
16	52.5	195.5	430.2	86.6	3.4	1222.1	2688.7	56	2.2	873.3	1921.2	621.5	1367.2	580.9	1277.9		252
18	59.1	167	367.4	107	4.2	1148	2525.6	72	2.8	757	1665.4	534	1174.8	487	1071.4		283.5
20	65.6	141	310.2	129.7	5.1	1016.4	2236.1	84.3	3.3	707.8	1557.2	504	1108.8	450.2	990.4		315
22	72.2	119.3	262.5	158	6.2	906.7	1994.8	99.6	3.9	666.8	1467	479	1053.8	419.5	923		346.5
24	78.7	102	224.4	192	7.6	819	1801.8	118	4.6	634	1394.8	469	1009.8	395	869		378
26	85.3	81.5	179.3	208.1	8.2	747.8	1645.2	138.3	5.4	591.6	1301.5	430.2	946.4	365.8	804.8		409.5
28	91.9	64.5	141.8	230.4	9.1	688.5	1514.6	163.6	6.4	556.3	1223.8	406.2	893.6	341.5	751.2		441
30	98.4	50.8	111.8	256	10.1	641	1410.2	194	7.6	528	1161.6	387	851.4	322	708.4		472.5

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

Top View



Side View



TSS67101(Loading table)

Main Tube : $\Phi 50 \times 5.0$ Vice Tube : $\Phi 50 \times 3.0$
Braces : $\Phi 30 \times 2.0$

SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN	total weight(kg)
m	ft	kg/m	lbs/ft	mm	inch	kgs	lbs	mm	inch	kgs	lbs	kgs	lbs	kgs	lbs		
20	65.6	196	431.2	133	5.2	1260	2772	76	3.0	1126	2477.2	819	1801.8	748	1645.6		425
22	72.2	151.5	333.3	159.4	6.3	1137.6	2502.7	92.8	3.7	988.6	2174.9	733.2	1613	684.4	1505.7		467.5
24	78.7	129	283.8	177	7.0	1056	2323.2	104	4.1	897	1973.4	676	1487.2	642	1412.4		510
26	85.3	106.2	233.6	192	7.6	972.6	2139.7	131	5.2	832.2	1830.8	634	1394.8	598.8	1317.4		562.5
28	91.9	97	213.4	202	8.0	917	2017.4	149	5.9	789	1735.8	606	1333.2	570	1254		595
30	98.4	69.8	153.6	236.7	9.3	837.4	1842.3	170.1	6.7	710.2	1562.4	536.4	1180.1	508.4	1119.5		637.5
32	105	47.1	103.7	280	11	771.1	1696.3	196.4	7.7	644.5	1419	478.4	1052.5	457.1	1005.5		690
34	111.5	29	63.8	332	13.1	718	1579.6	228	9.0	592	1302.4	432	950.4	416	915.2		722.5
36	118.1	24.6	54.1	348	13.7	648.8	1427.4	256.8	10.1	540.4	1188.9	397.6	874.7	384	844.8		765
38	124.7	20.9	46.1	368	14.5	591.1	1300.5	292.8	11.5	497.4	1094.3	368.9	811.7	357.3	786.1		807.5
40	131.2	18	39.6	392	15.4	545	1199	336	13.2	463	1018.6	346	761.2	336	739.2		850

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



扫码查看安装视频

大型舞台安全结构解决者!