

TTS Rectangular Truss

The TTS is the stronger version of the TT pre rig truss by upgrading the main tube from 60mm to 100mm (from 2,36 inch upgrade to 3,94 inch and power up the connector but maintain the same design, the same Centre to Centre dimensions which allows you to have the possibility to use TTS in combination with the TT & TTU and the standard TT Sleeve Blocks, Tower Parts and standard Corners.

The outside dimensions are slightly bigger due to the increased main tube and the self weight grows with 10kg per meter (6,7 lbs per ft) up to a reasonable 35kg per meter (23,5 lbs per ft).

The attractive feature is that with the TTS we developed a stronger pre rig with an enormous higher load bearing capacity which increased with 75% compared to the standard TT. The TTS is standard equipped with grey castor wheel sets.

The result shows that the TTS is just more than an upgraded TT, it is a superb Pre Rig Truss to line up with the TT Range in Truss, Towers and Roofs and is the main rig truss for the highly praised Pitch Roof PR15.

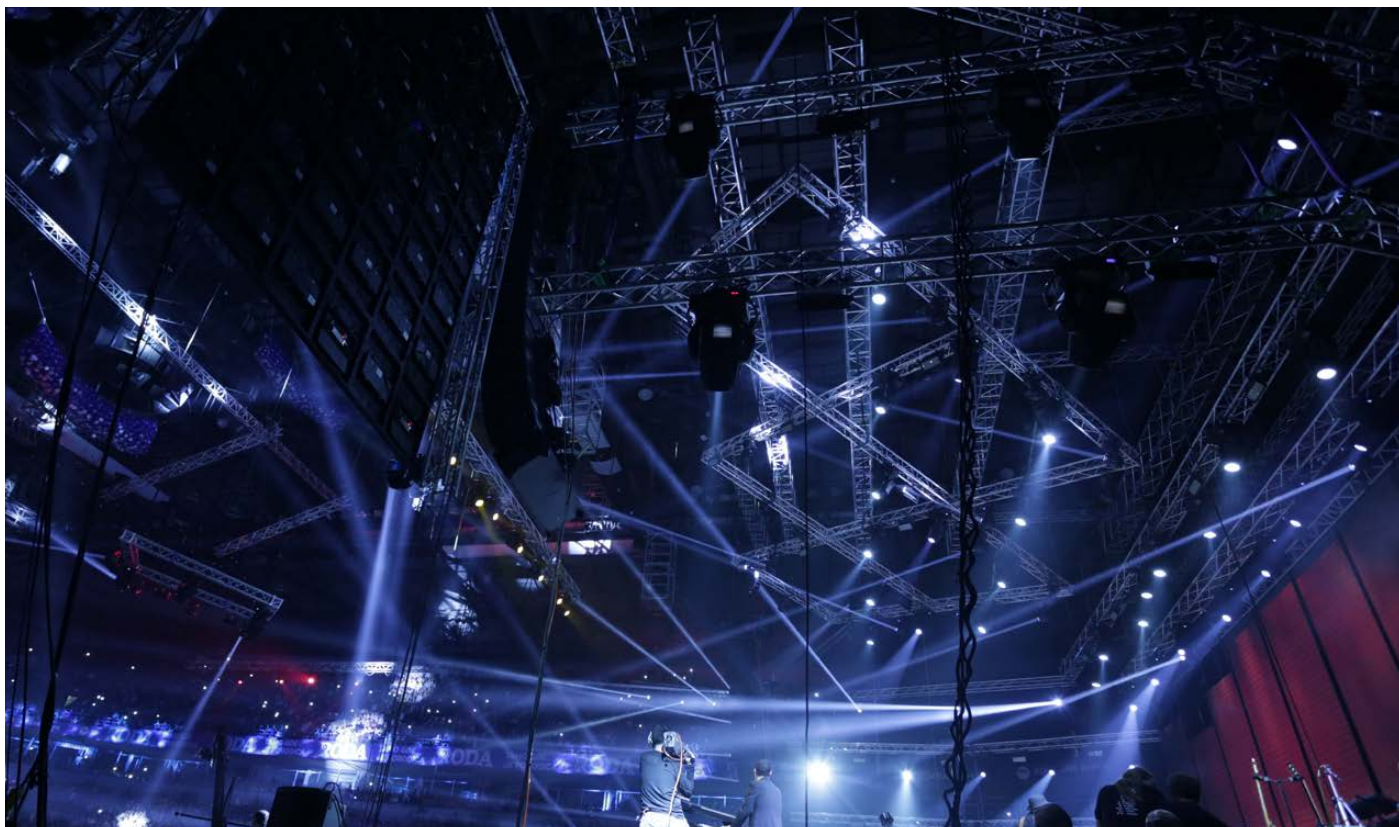
Made with the fast connection system and approved according the DIN EN 1999-1-1 & 1999-1-1/A2 (Eurocode 9).

Facts

- Tolerance free conical connector system
- High stability aluminium alloy
- Excellent load bearing capacity
- Low dead weight
- High wear resistance
- TÜV approved
- 5 mm wall thickness of 100 mm main tube

Specifications TTS Rectangular

	Metric	Imperial
Height:	1050 mm	41.34 in
Width:	620 mm	24.41 in
Main Tube:	100 x 5 mm	3.94 x 0.20 in
Braces:	50 x 3 mm	1.97 x 0.12 in
Braces:	30 x 3 mm	
Weight:	~35kg/m	~23,5lbs/ft
Pin Position:	Top Vertical and bottom Horizontal	
Material:	EN AW-6082 T6	
Connection:	CS5-CON	



TTS Loading charts

Metric loading charts

Span*	UDL		CPL		1/3 Point Load		1/4 Point Load		1/5 Point Load	
	kg/m	mm**	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
12	957	28	7412	29	5559	36	3706	34	2870	33
18	531	80	4781	65	3586	82	2390	77	1992	81
24	285	143	3417	118	2563	146	1708	137	1424	144
30	171	225	2560	188	1920	230	1280	216	1067	226
36	109	327	1957	278	1468	332	978	315	815	329
42	71	449	1498	389	1124	456	749	434	624	451

* in meters / ** mm is the deflection of the truss at the given load

Imperial loading charts

Span*	UDL		CPL		1/3 Point Load		1/4 Point Load		1/5 Point Load	
	lbs/ft	in**	lbs/ft	in	lbs/ft (2x)	in	lbs/ft (3x)	in	lbs/ft (4x)	in
39,37	643,1	1.10	16306,4	1.14	12229,8	79.2	8153,2	1.34	6314,0	1.30
59,06	356,8	3.15	10518,2	2.56	7889,2	180.4	5258,0	3.03	4382,4	3.19
78,74	191,5	5.63	7517,4	4.65	5638,6	321.2	3757,6	5.39	3132,8	5.67
98,43	114,9	8.86	5632,0	7.40	4224,0	506.0	2816,0	8.50	2347,4	8.90
118,12	73,2	12.87	4305,4	10.94	3229,6	730.4	2151,6	12.40	1793,0	12.95
137,80	47,7	17.68	3295,6	15.31	2472,8	1003.2	1647,8	17.09	1372,8	17.76

* in feet / ** in is the deflection of the truss at the given load
 Loading figures are based on Eurocode 9 standards and calculated according DIN EN 1991-1-1 (& /A2); to comply to ANSI, the loading data needs to be multiplied by 0,85.