

MTS Rectangular Truss

Brand new is our Monster, the MTS Truss for long spans with huge loads. An incredible distributed load of 14.500kg on a free span of 30m In this size the MTS is the strongest aluminum truss in the entertainment industry. With MTS you get; a gigantic Truss for incredible long free spans with high load bearing. The MTS has optional castor wheelsets.

The MTS is an incredible Pre Rig Truss to line up with the TTS Range in Truss.

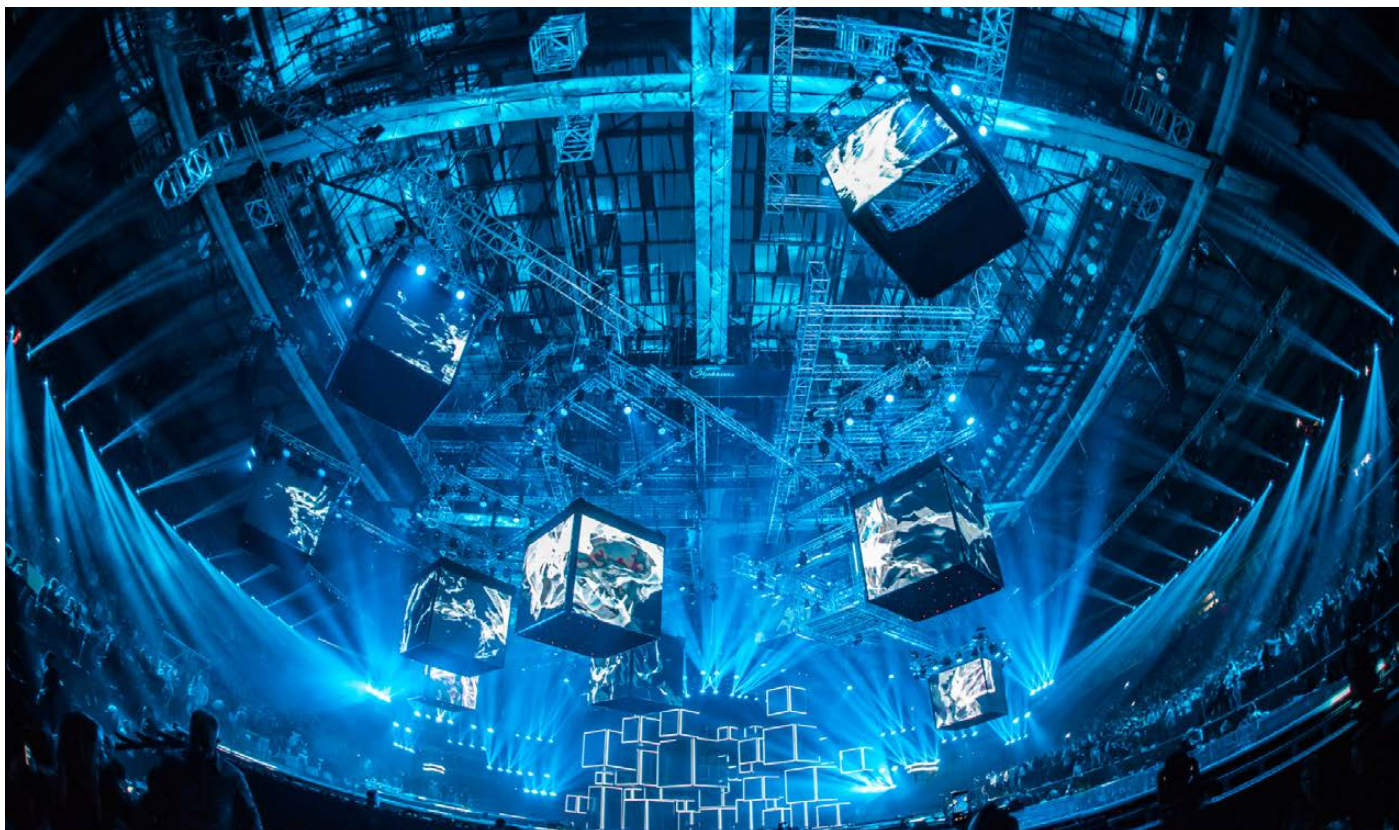
Made with the fast connection system and approved according the DIN EN 1999-1-1 & 1999-1-1/A2 (Eurocode 9).

Facts

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

Specifications MTS Rectangular

	Metric	Imperial
Height:	1450 mm	57.08 in
Width:	770 mm	30.31 in
Main Tube:	100 x 8 mm	3.94 x 0.31 in
Braces:	50 x 3 mm	1.97 x 0.12 in
Braces:	60 x 60 x 4 mm	2.36 x 2.36 x 0.16 in
Weight:	~65kg/m	~43.6lbs/ft
Pin Position:	Horizontal	
Material:	EN AW-6082 T6	
Connection:	CS5-CON	



MTS 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	1908	18	13845	17,1	9042	19	7020	21	5723	21
20	1109	81	9113	55	6302	64	5089	71	4389	78
28	552	164	6516	117	4706	139	3902	158	3184	164
40	246	346	4169	258	3164	312	2486	335	2051	348
52	122	594	2649	467	2156	566	1599	578	1346	605
64	61	923	1542	760	1393	910	978	901	824	932

* 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	in	lbs (2x)	in	lbs (3x)	in	lbs (4x)	in
39,4	1282	7	30523	7	19934	7	15476	8	12616	8
65,6	745	32	20091	22	13894	25	11219	28	9676	31
91,9	371	65	14365	46	10375	55	8602	62	7020	64
131,2	165	136	9191	101	6975	123	5481	132	4522	137
170,6	82	234	5840	184	4753	223	3525	228	2968	238
209,97	41	364	3400	299	3071	358	2156	355	1816	367

* 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.