

**SPECIFICATIONS PERTAINING TO
JAMES THOMAS ENGINEERING, INC.**

SuperTruss 30 x 30 Moving Light Truss

constructed of 6061-T6 aluminum in USA

Frame:

Main Chords:

Chords are constructed of 2" outside diameter tubes with a wall thickness of 0.157".

Horizontals:

Top and bottom horizontals are constructed of 2" x 1/8" tube.

Diagonals:

Diagonals are made from 1" diameter x 0.125" tube .

Castor Bar:

Castor bars are constructed of 3" x 2" x 1/8" box.

End Diagonals:

End diagonals are constructed from 1" x 1" box with a wall thickness of 0.125".

Connection:

Truss is connected together by James Thomas Engineering's patented supertruss spigots, machined from solid billet aluminum.

Mechanical Operation:

Fixtures are lowered into position manually by releasing the handles and sliding the units along the unistrut guide to the proper locked position.

Welding:

Thomas truss is welded by certified welders in accordance with American National Standard ANSI/AWS D1.2-97.

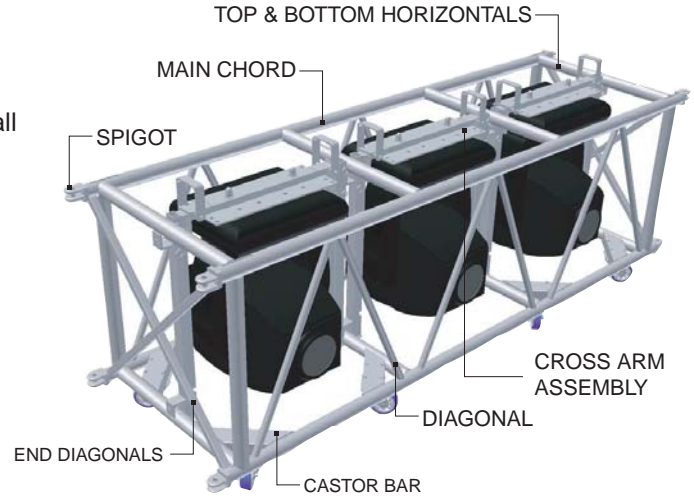
Design and Manufacturing:

In accordance with the applicable sections of ANSI E1.2 -2000. "Design, Manufacture and Use of Aluminum Trusses and Towers"

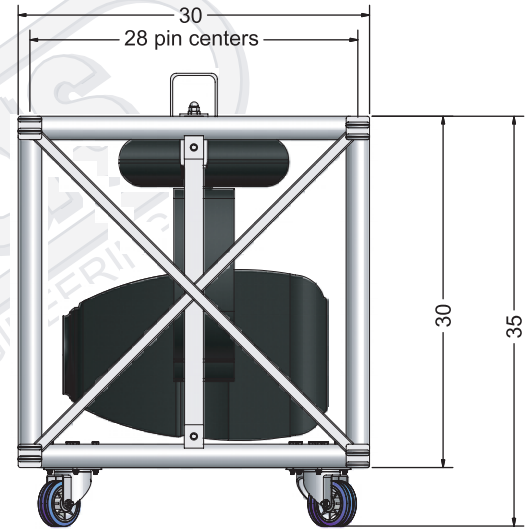
Loading (empty):

SPAN (ft)	SWT (lb)	SWT-MT (ft-lb)	Uniform Dist. Loads		Center Point Loads	
			(lb)	Max. Deflection (in)	(lb)	Max. Deflection (in)
16'	240	480	13580*	0.18	12550	0.18
24'	360	1080	13460*	0.60	8387	0.60
32'	480	1920	12550	1.34	6275	1.34
40'	600	3000	10016	2.13	5008	2.13
48'	720	4820	8327	3.14	4163	3.14
56'	840	5880	6400	3.99	3200	3.99
64'	960	7680	5375	5.21	2688	5.21
72'	1080	9720	3290	5.12	1645	5.12
80'	1200	12000	2003	5.15	1002	5.15

*Denotes load limited to suit maximum shear capacity.



**Note: Bays are designed to accommodate a wide variety of moving lights (not included with purchase of truss).*



End Dimensions of Super MLT 30 x 30

**Note: Dims are in inches*

