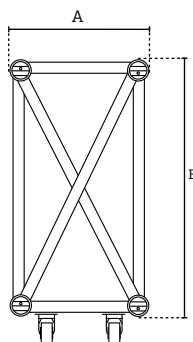


SMT107R

Designed for monumental load bearing capacity, the SM107R SuperMega Truss has a maximum span of 39 m (127') without deflection, up to 48 m (157') with limited deflection and can serve as the base of a "Mother Grid" or large roof system. Made from EN-AW 6082T6 aluminium, it features 76×4mm (3" x 5/32") main chords and 38×3 mm (1½" x 7/64") diagonals. The extra heavy-duty fork is a scaled up version of the Supertruss fork, which ensures easy connection and superior strength. Manoeuvrability is ensured by the standard fitting of casters.



Code:		4SMT107R
Main Chords:	mm in	76 (2 63/64")
Cross boom tubes:	mm in	50 (1 61/64")
Diagonals:	mm in	38 (1 31/64")
Alloy:		EN - AW 6061 T6 EN - AW 6082 T6
A	mm in	576 (22 43/64")
B	mm in	1076 (42 23/64")
Connection:		Fork/Pin

Standard lengths and weights

Code	4SMT107R-L1000	4SMT107R-L1500	4SMT107R-L2000	4SMT107R-L2500	4SMT107R-L3000
Old code	JT B2810	JT B2815	JT B2820	JT B2825	JT B2830
m	1.00 (3' 3")	1.50 (4' 11")	2.00 (6' 7")	2.50 (8' 2")	3.00 (9' 10")
ft					

Standard corner gates available:

	Corner gate 60°	Corner gate 90°	Gate support plate	3 way gate with lifting point	Ceiling support
Code	4SMT107R-G2-60°	4SMT107R-G3-90°	4SMT107R-GSP	4SMT107R-G3LP	4SMT107R-CS
Old code	JT B2802	JT B2803	JT B2808	JT B2803A	JT B2812

Loading chart

Span m	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
1	9129	0	9129	0	4565	0	3043	0	2282	0
3	3018	1	9053	1	4526	1	3018	1	2263	1
9	866	16	3898	13	2924	16	1949	15	1624	16
15	287	44	2156	37	1617	45	1078	43	898	45
21	128	88	1344	75	1008	90	672	85	560	89
27	62	148	843	131	632	150	421	144	351	149
33	29	226	482	207	361	228	241	221	201	227
37	15	288	286	273	214	290	143	284	119	289
41	6	360	113	351	85	361	56	358	47	360
43	2	399	33	396	25	400	17	399	14	399

Span ft	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
	lbs/ft	in	lbs (2x)	in	lbs (3x)	in	lbs (3x)	in	lbs (4x)	in
3' 3"	6134	0"	20129	0"	10066	0"	6710	0"	5032	0"
9' 10"	2028	1/32"	19962	1/32"	9980	1/32"	6655	1/32"	4990	1/32"
29' 6"	582	5/8"	8595	1/2"	6447	5/8"	4298	37/64"	3581	5/8"
49' 2"	193	1 23/32"	4754	1 29/64"	3565	1 49/64"	2377	1 11/16"	1980	1 49/64"
68' 11"	86	3 29/64"	2964	2 15/16"	2223	3 17/32"	1482	3 11/32"	1235	3 1/2"
88' 7"	42	5 13/16"	1859	5 5/32"	1394	5 57/64"	928	5 21/32"	774	5 55/64"
108' 3"	19	8 57/64"	1063	8 9/64"	796	8 31/32"	531	8 11/16"	443	8 59/64"
121' 5"	10	11 21/64"	631	10 47/64"	472	11 13/32"	315	11 11/64"	262	11 3/8"
134' 6"	4	14 11/64"	249	13 13/16"	187	14 13/64"	123	14 3/32"	104	14 11/64"
141' 1"	1	15 45/64"	73	15 37/64"	55	15 47/64"	37	15 45/64"	31	15 45/64"