

truss

TOMCAT one 390 stacking truss

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Standard lengths are 3 m, 2 m, 1 m and 1/2 m increments

Custom lengths available upon request

Equipped with aluminum conical connectors

Main chords are 50mm x 2mm (1.96" x 0.08")

Snap braces provided

Fabricated by certified welders

Span mtrs (ft)	Maximum allowable uniform loads			Maximum allowable point loads					
	Load kgs/m	Load kgs (lbs)	Max Defl. mm	center point		third point		quarter point	
				Load kgs (lbs)	Max Defl. mm	Load kgs (lbs)	Max Defl. mm	Load kgs (lbs)	Max Defl. mm
Spigots only									
1 (3.28)	2250	2250 (4960)	0.1	1508 (3318)	.1	839 (1846)	.1	586 (1289)	.1
2 (6.56)	1088	2176 (4797)	1.0	1154 (2539)	.9	684 (1505)	.9	502 (1104)	.9
3 (9.84)	702	2106 (4643)	3.3	931 (2048)	2.4	576 (1267)	1.5	435 (957)	2.6
4 (13.12)	462	1848 (4074)	6.9	778 (1712)	4.7	497 (1093)	5.1	383 (843)	5.5
5 (16.40)	323	1615 (3561)	11.9	666 (1465)	7.9	436 (959)	8.8	342 (752)	9.6
6 (19.68)	235	1410 (3109)	18.0	580 (1276)	11.9	388 (854)	13.6	309 (680)	15.0
7 (22.96)	177	1239 (2732)	25.2	512 (1126)	16.8	349 (768)	19.5	281 (618)	21.8
8 (26.24)	137	1096 (2416)	33.5	456 (1003)	22.6	316 (695)	26.6	257 (565)	30.0
9 (29.52)	109	981 (2163)	43.0	409 (900)	29.1	289 (636)	34.8	237 (521)	39.6
10 (32.80)	88	880 (1940)	53.3	369 (812)	36.5	265 (583)	44.2	215 (473)	49.7
11 (36.08)	72	792 (1746)	64.4	335 (737)	44.6	244 (537)	54.7	196 (431)	60.8
12 (39.36)	60	720 (1587)	76.8	305 (671)	53.5	226 (497)	66.4	179 (394)	72.9
13 (42.64)	50	650 (1443)	89.1	279 (614)	63.1	210 (462)	79.3	165 (363)	86.2
14 (45.92)	42	588 (1296)	102.0	255 (561)	73.3	195 (429)	93.4	152 (334)	101.0
15 (49.20)	36	540 (1191)	117.0	233 (513)	84.2	182 (400)	109.0	141 (310)	116.0
16 (52.48)	31	496 (1093)	132.0	214 (471)	95.6	171 (376)	125.0	131 (288)	133.0

Note: Deflections reported in the above tables are maximum expected for full loadings (indoors only). All loads are based on 10' (3.04 m) sections. Load tables are reprinted from engineering reports developed by Parkhill, Smith & Cooper, Inc., structural engineers, and apply to truss fabricated after December, 1989.

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stacking truss 390 conical ends
Connections are aluminum conicals

Product Description	Item Code	Weight kgs (lbs)
TRSS390-50-10M	1M Stacking truss	10.89 (24)
TRSS390-50-20M	2M Stacking truss	14.83 (32.8)
TRSS390-50-30M	3M Stacking truss	19.28 (42.5)

