



MAIN CHORDS ØEXT. 3" x 0.25 "

SIZES

WEIGHT		ITEMS REFERENCES	Length
Lb	(kg)		
104	(47)	TIP- 3624 -048 F.3 250	<- 48"
115	(52)	TIP- 3624 -060 F.3 250	<- 60"
208	(94)	TIP- 3624 -096 F.3 250	<- 96"
230	(104)	TIP- 3624 -120 F.3 250	<- 120"

Other sizes also available in 24" / 36" / 72" /84"

Material: Truss: 6061-T6 / Spigots: C12L14 / Pin: Stressproof 1144
ALL OUR TRUSSES ARE MANUFACTURED BY CERTIFIED WELDERS



ALLOWABLE LOAD TABLE :

Span length	Uniformly Distributed Load					Center point				Third point				Quarter point			
	Load Capacity		Deflection			Load Capacity		Deflection		Load Capacity		Deflection		Load Capacity		Deflection	
	lb/ft (kg/m)	lb (kg)	in (mm)	in (mm)	in (mm)	lb (kg)	in (mm)	lb (kg)	in (mm)	lb (kg)	in (mm)	lb (kg)	in (mm)	lb (kg)	in (mm)		
8 (2.44)	3454 (5140)	27633 (12534)	0.01 (0.3)	0.02 (0.6)	0.02 (0.5)	27633 (12534)	0.02 (0.5)	13831 (6274)	0.02 (0.5)	9221 (4182)	0.02 (0.4)						
10 (3.05)	2628 (3910)	26276 (11919)	0.02 (0.6)	0.04 (1)	0.03 (0.8)	26276 (11919)	0.04 (1)	13159 (5969)	0.03 (0.8)	8773 (3979)	0.03 (0.8)						
16 (4.88)	1630 (2425)	26077 (11828)	0.10 (2.6)	0.16 (4.1)	0.14 (3.5)	26077 (11828)	0.16 (4.1)	13093 (5939)	0.14 (3.5)	8728 (3959)	0.13 (3.2)						
20 (6.1)	1295 (1927)	25894 (11745)	0.20 (5)	0.31 (7.9)	0.27 (6.8)	25894 (11745)	0.31 (7.9)	13031 (5911)	0.27 (6.8)	8687 (3941)	0.25 (6.3)						
24 (7.32)	1070 (1592)	25673 (11645)	0.34 (8.5)	0.46 (11.6)	0.46 (11.7)	21866 (9918)	0.46 (11.6)	12956 (5877)	0.46 (11.7)	8637 (3918)	0.43 (10.9)						
30 (9.14)	842 (1254)	25269 (11462)	0.65 (16.5)	0.71 (18.1)	0.89 (22.7)	17352 (7871)	0.71 (18.1)	12818 (5814)	0.89 (22.7)	8546 (3876)	0.83 (21.1)						
32 (9.75)	785 (1168)	25117 (11393)	0.79 (20)	0.81 (20.6)	1.03 (26.2)	16217 (7356)	0.81 (20.6)	12163 (5517)	1.03 (26.2)	8109 (3678)	0.96 (24.4)						
40 (12.19)	610 (909)	24420 (11077)	1.51 (38.3)	1.27 (32.3)	1.61 (40.9)	12787 (5800)	1.27 (32.3)	9590 (4350)	1.61 (40.9)	6393 (2900)	1.50 (38.1)						
48 (14.63)	436 (649)	20930 (9494)	2.27 (57.7)	1.84 (46.8)	2.32 (58.9)	10465 (4747)	1.84 (46.8)	7849 (3560)	2.32 (58.9)	5233 (2373)	2.16 (54.9)						
50 (15.24)	400 (595)	19991 (9068)	2.46 (62.6)	2.00 (50.8)	2.51 (63.9)	9996 (4534)	2.00 (50.8)	7497 (3400)	2.51 (63.9)	4998 (2267)	2.35 (59.6)						
56 (17.07)	313 (466)	17554 (7963)	3.09 (78.5)	2.52 (64)	3.15 (80.1)	8777 (3981)	2.52 (64)	6583 (2986)	3.15 (80.1)	4389 (1991)	2.95 (74.9)						
60 (18.29)	270 (401)	16183 (7341)	3.55 (90.1)	2.90 (73.7)	3.62 (91.9)	8092 (3670)	2.90 (73.7)	6069 (2753)	3.62 (91.9)	4046 (1835)	3.38 (86)						
64 (19.51)	234 (348)	14971 (6791)	4.04 (102.5)	3.31 (84)	4.12 (104.5)	7485 (3395)	3.31 (84)	5614 (2546)	4.12 (104.5)	3743 (1698)	3.85 (97.9)						
70 (21.34)	191 (285)	13389 (6073)	4.83 (122.6)	3.98 (101)	4.92 (125)	6694 (3037)	3.98 (101)	5021 (2277)	4.92 (125)	3347 (1518)	4.62 (117.2)						
72 (21.95)	179 (267)	12915 (5858)	5.11 (129.7)	4.22 (107.1)	5.21 (132.2)	6457 (2929)	4.22 (107.1)	4843 (2197)	5.21 (132.2)	3229 (1464)	4.88 (124.1)						
80 (24.38)	140 (209)	11228 (5093)	6.31 (160.2)	5.24 (133.1)	6.42 (163.2)	5614 (2547)	5.24 (133.1)	4211 (1910)	6.42 (163.2)	2807 (1273)	6.04 (153.4)						

Load per applied point

NOTES :

- Capacities shown in this table are valid for structures manufactured after January 2020.
- Trusses must be loaded uniformly on both sides of their longitudinal axis.
- Loads must be applied to or as close as possible to the nodes of the trusses.
- Deflection of truss is theoretical and based solely on their rigidity.
It therefore does not take into account of the possible movement between the truss sections due to the tolerance of the pins/bolts.
- Data is valid for indoor use only.
- Trusses are hung from the top chord only.
- Data is valid only for static loads and span, with two support points (one at each end).
If dynamic loads or more attachment points are needed, **contact Therio Innovation.**

