



**MAIN CHORDS**  
**Ø1.9 x 0.200**

**SIZES**

Length	ITEMS REFERENCES	WEIGHT	
		Lb	(kg)
<- 2,400mm ->	TIUL- 1424 -M240 F.9_200	192	(87)
<- 3,000mm ->	TIUL- 1424 -M300 F.9_200	240	(109)

Other sizes also available upon request

Materials: Truss: 6061-T6 / Spigots: C12L14 / Pin: Stressproof 1144

ALL OUR TRUSSES ARE MANUFACTURED BY CERTIFIED WELDERS

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**ALLOWABLE LOAD TABLE :**

Span length		Uniformly Distributed Load				Hook				
		Load Capacity		Deflection	Minimum Hook Required	Load per Hook				
ft	(m)	lb/ft	(kg/m)	lb	(kg)	in	(mm)	quantity	lb	(kg)
8	(2.44)	921	(1,371)	7,371	(3,343)	0.02	(0.4)	2	1,300	(589.00)
10	(3.05)	619	(921)	6,190	(2,808)	0.03	(0.7)	2	1,300	(589.00)
16	(4.88)	363	(540)	5,806	(2,634)	0.10	(2.6)	3	1,300	(589.00)
20	(6.1)	269	(400)	5,373	(2,437)	0.19	(4.9)	4	1,300	(589.00)
24	(7.32)	179	(267)	4,302	(1,951)	0.28	(7)	4	1,300	(589.00)
30	(9.14)	106	(158)	3,183	(1,444)	0.43	(10.9)	5	819	(371.60)
32	(9.75)	90	(134)	2,891	(1,311)	0.49	(12.4)	5	756	(343.00)
40	(12.19)	49	(73)	1,968	(893)	0.77	(19.4)	6	468	(212.33)
48	(14.63)	27	(40)	1,288	(584)	1.10	(28)	6	353	(160.17)
50	(15.24)	23	(34)	1,143	(518)	1.20	(30.4)	7	282	(128.00)

**NOTES :**

- Capacities shown in this table are valid for structures manufactured after January 2022
- Never exceed max load capacity uniformly distributed
- Never exceed maximum load per hook (1,300 lb / 589 kg)
- The use of load cell on chain hoist is highly recommended
- The truss must be levelled when load is applied to it
- Maximum span between hook is 47'-1/4" (1,200 mm)
- 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 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 and outdoor; snow and rain load must not exceed truss's load capacity, **maximum constant wind speed of 32 km/h (20mph)**, maximum gust wind speed of 80km/h (49mph)
- Maximum screen height limited to **39'4" (12.0 m)**
- Trusses must be rigged from the top chords only
- Data is valid only for static loads and span, with two lift points (one at each end; if dynamic loads or more attachment points are needed, **contact Therio Innovation.**