



**MAIN CHORDS
Ø2.0 x 0.188**

SIZES

**MAIN CHORDS
Ø1.9 x .200**

WEIGHT		ITEMS REFERENCES	Length	ITEMS REFERENCES	WEIGHT	
Lb	(kg)				Lb	(kg)
63	(29)	TIUL- 1616 -048 F.2 188	<- 48" ->	TIUL- 1616 -048 F.9 200	63	(29)
72	(33)	TIUL- 1616 -060 F.2 188	<- 60" ->	TIUL- 1616 -060 F.9 200	72	(33)
121	(55)	TIUL- 1616 -096 F.2 188	<- 96" ->	TIUL- 1616 -096 F.9 200	121	(55)
132	(60)	TIUL- 1616 -120 F.2 188	<- 120" ->	TIUL- 1616 -120 F.9 200	132	(60)

Other sizes also available in 24" / 36" / 72" / 84"
 Material: Truss: 6061-T6 / Spigots: 6061-T6 / Pin: Stressproof 1144
 ALL OUR TRUSSES ARE MANUFACTURED BY CERTIFIED WELDERS

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)	983	(1463)	7863	(3567)	0.04	(1)	2	1300.00	589.00
10	(3.05)	774	(1152)	7743	(3512)	0.08	(1.9)	2	1300.00	589.00
16	(4.88)	467	(696)	7479	(3393)	0.31	(7.8)	3	1300.00	589.00
20	(6.1)	326	(485)	6521	(2958)	0.53	(13.4)	4	1300.00	589.00
24	(7.32)	222	(330)	5323	(2415)	0.76	(19.3)	4	1300.00	589.00
30	(9.14)	137	(203)	4096	(1858)	1.19	(30.2)	5	819.15	371.60
32	(9.75)	118	(176)	3781	(1715)	1.35	(34.3)	5	756.26	343.00
40	(12.19)	70	(104)	2808	(1274)	2.11	(53.7)	6	467.96	212.33
48	(14.63)	44	(66)	2119	(961)	3.04	(77.3)	6	353.09	160.17
50	(15.24)	39	(59)	1975	(896)	3.30	(83.8)	7	282.09	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 300lb, 589 kg)
 - The use of load cell on chain hoist is highly recommended
 - The truss must be levelled when load is applied on it
 - Maximum span between hook is 47-1/4" (1.200m).
 - 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 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 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.**