

MAIN CHORDS Ø2.0 x 0.188

SIZES

MAIN CHORDS Ø1.9 x .200

WEIGHT Lbs (kg)	ITEMS REFERENCES	Length	ITEMS REFERENCES	WEIGHT Lbs (kg)
43 (20)	TIP- 1616 -048 F.2_188	<- 48" ->	TIP- 1616 -048 F.9_200	43 (20)
50 (23)	TIP- 1616 -060 F.2_188	<- 60" ->	TIP- 1616 -060 F.9_200	50 (23)
71 (32)	TIP- 1616 -096 F.2_188	<- 96" ->	TIP- 1616 -096 F.9_200	71 (32)
86 (39)	TIP- 1616 -120 F.2_188	<- 120" ->	TIP- 1616 -120 F.9_200	86 (39)

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


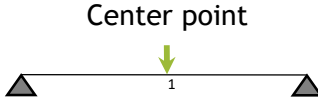
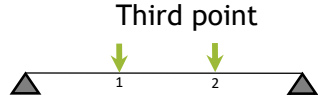
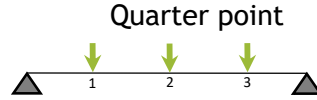
Material: Truss: 6061-T6 / Spigots: 6061-T6 / Pin: Stressproof 1144

ALL OUR TRUSSES ARE MANUFACTURED BY CERTIFIED WELDERS

Tel : 514-400-3336

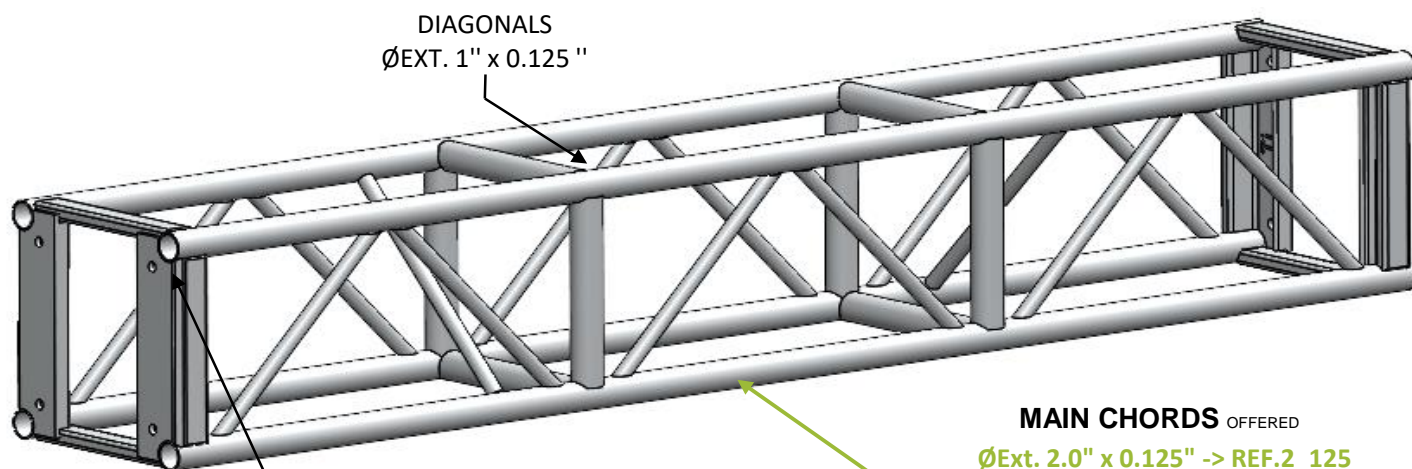
info@therioinnovation.com

ALLOWABLE LOAD TABLE :

		 Uniformly Distributed Load				 Center point				 Third point				 Quarter point			
Span length		Load Capacity				Deflection				Load Capacity				Deflection			
ft	(m)	lb/ft	(kg/m)	lb	(kg)	in	(mm)			lb	(kg)	in	(mm)	lb	(kg)	in	(mm)
8	(2.44)	835	(1243)	6684	(3032)	0.04	(0.9)			6684	(3032)	0.06	(1.4)	3351	(1520)	0.05	(1.2)
10	(3.05)	665	(990)	6653	(3018)	0.07	(1.8)			6653	(3018)	0.11	(2.8)	3341	(1515)	0.09	(2.4)
16	(4.88)	407	(606)	6519	(2957)	0.28	(7.1)			4194	(1902)	0.29	(7.3)	3145	(1427)	0.37	(9.3)
20	(6.1)	320	(476)	6400	(2903)	0.54	(13.7)			3323	(1507)	0.45	(11.5)	2492	(1130)	0.57	(14.5)
24	(7.32)	228	(339)	5474	(2483)	0.81	(20.5)			2737	(1241)	0.65	(16.5)	2053	(931)	0.82	(20.9)
30	(9.14)	143	(212)	4284	(1943)	1.26	(32)			2142	(972)	1.02	(26)	1606	(729)	1.29	(32.7)
32	(9.75)	124	(185)	3982	(1806)	1.43	(36.4)			1991	(903)	1.17	(29.6)	1493	(677)	1.46	(37.2)
40	(12.19)	76	(114)	3058	(1387)	2.24	(56.9)			1529	(694)	1.84	(46.7)	1147	(520)	2.28	(58)
48	(14.63)	50	(75)	2419	(1097)	3.23	(81.9)			1210	(549)	2.68	(68)	907	(411)	3.29	(83.5)
50	(15.24)	46	(68)	2288	(1038)	3.50	(88.9)			1144	(519)	2.91	(74)	858	(389)	3.57	(90.6)
Load per applied point																	

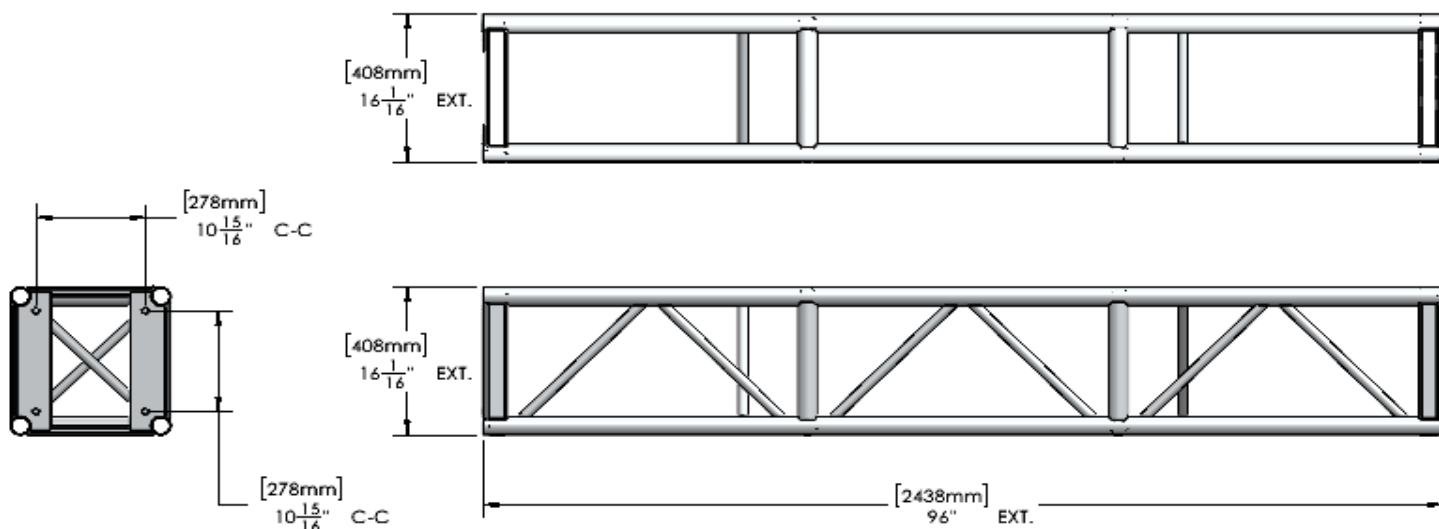
NOTES :

- 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.
- Datas are valid for indoor use only.
- Trusses are hung from the top chord only.
- Data are 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**.



Attachement:
Bolts Ø0.625 Grade 8 / Plated

MAIN CHORDS OFFERED
ØExt. 2.0" x 0.125" -> REF.2_125
ØExt. 1.9" x 0.145" -> REF.9_145



MAIN CHORDS Ø2.0 x 0.125

SIZES

MAIN CHORDS Ø1.9 x 0.145

WEIGHT Lbs (kg)	ITEMS REFERENCES	Length	ITEMS REFERENCES	WEIGHT Lbs (kg)
37 (17)	TIP- 1616 -048 P.2_125	<- 48" ->	TIP- 1616 -048 P.9_145	37 (17)
42 (19)	TIP- 1616 -060 P.2_125	<- 60" ->	TIP- 1616 -060 P.9_145	42 (19)
58 (26)	TIP- 1616 -096 P.2_125	<- 96" ->	TIP- 1616 -096 P.9_145	58 (26)
71 (32)	TIP- 1616 -120 P.2_125	<- 120" ->	TIP- 1616 -120 P.9_145	71 (32)

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





Material: Truss & Plates: 6061-T6 / Bolts : Ø0.625 Grade 8

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ft	(m)	lb/ft	(kg/m)	lb	(kg)	in	(mm)			lb	(kg)	in	(mm)	lb	(kg)	in	(mm)
8	(2.44)	415	(617)	3316	(1504)	0.03	(0.7)			3341	(1515)	0.04	(1)	1672	(758)	0.04	(0.9)
10	(3.05)	330	(492)	3303	(1498)	0.05	(1.3)			3333	(1512)	0.08	(2)	1669	(757)	0.07	(1.7)
16	(4.88)	203	(302)	3252	(1475)	0.21	(5.2)			2953	(1339)	0.29	(7.5)	1658	(752)	0.28	(7.2)
20	(6.1)	160	(239)	3208	(1455)	0.40	(10.1)			2336	(1060)	0.46	(11.7)	1645	(746)	0.55	(14)
24	(7.32)	131	(195)	3144	(1426)	0.68	(17.3)			1920	(871)	0.67	(17)	1440	(653)	0.84	(21.4)
30	(9.14)	100	(149)	2994	(1358)	1.29	(32.8)			1497	(679)	1.05	(26.6)	1123	(509)	1.32	(33.4)
32	(9.75)	87	(129)	2778	(1260)	1.47	(37.3)			1389	(630)	1.20	(30.4)	1042	(473)	1.50	(38)
40	(12.19)	53	(79)	2118	(961)	2.29	(58.2)			1059	(480)	1.89	(48)	794	(360)	2.34	(59.4)
48	(14.63)	35	(51)	1658	(752)	3.30	(83.9)			829	(376)	2.76	(70)	622	(282)	3.36	(85.4)
50	(15.24)	31	(47)	1563	(709)	3.58	(91)			782	(355)	3.00	(76.2)	586	(266)	3.65	(92.6)
Load per applied point																	

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