

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)
66 (30)	TIT- 3020 -048 F.2_188	<- 48" ->	TIT- 3020 -048 F.9_200	66 (30)
84 (38)	TIT- 3020 -060 F.2_188	<- 60" ->	TIT- 3020 -060 F.9_200	84 (38)
114 (52)	TIT- 3020 -096 F.2_188	<- 96" ->	TIT- 3020 -096 F.9_200	114 (52)
125 (57)	TIT- 3020 -120 F.2_188	<- 120" ->	TIT- 3020 -120 F.9_200	125 (57)

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

Tel : 514-400-3336

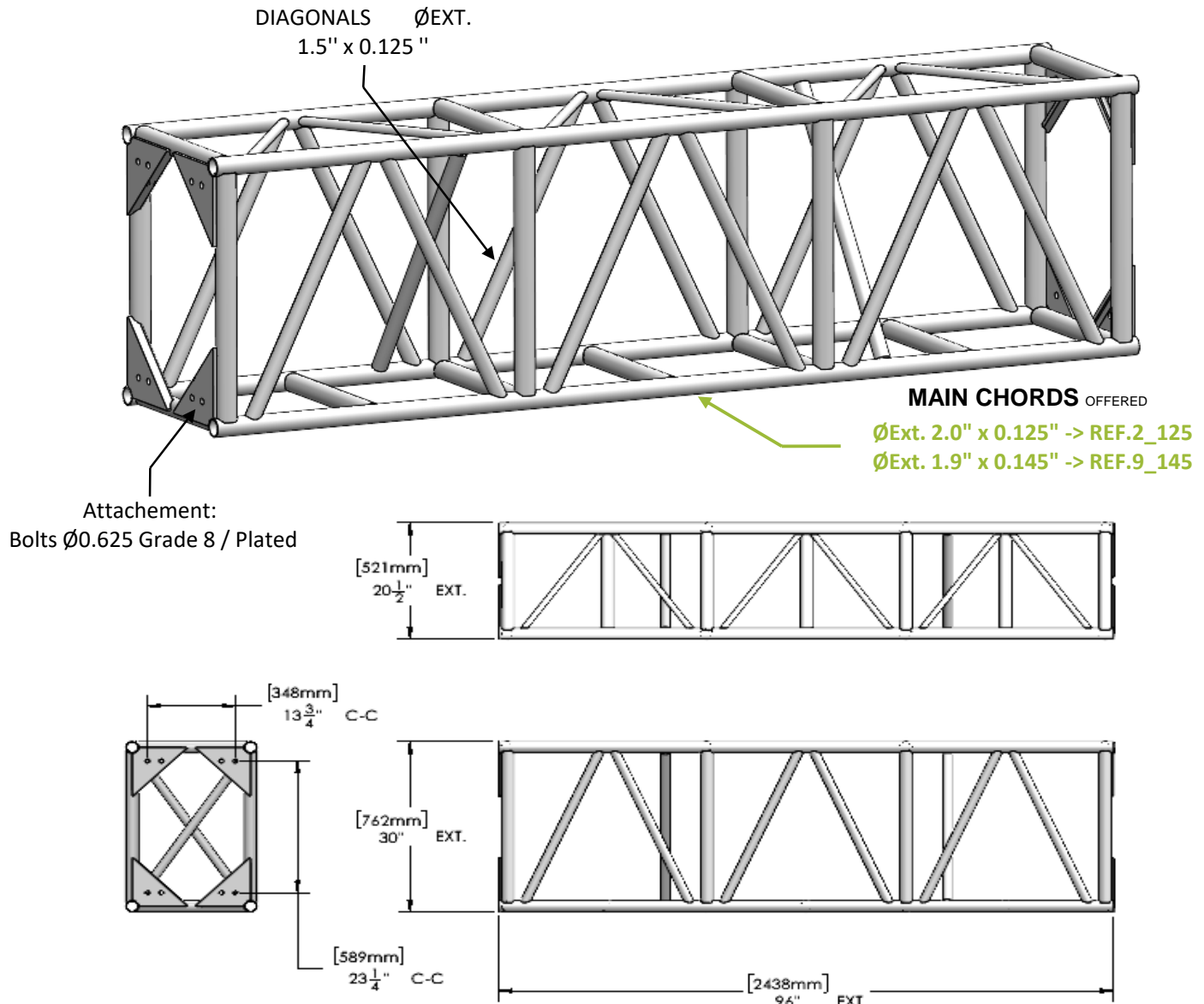
info@therioinnovation.com

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)	1594	(2372)	12749	(5783)	0.02	(0.4)	12749	(5783)	0.03	(0.7)	6389	(2898)	0.02	(0.6)	4259	(1932)
10	(3.05)	1178	(1753)	11783	(5345)	0.03	(0.8)	11783	(5345)	0.05	(1.3)	5912	(2682)	0.04	(1.1)	3941	(1788)
16	(4.88)	724	(1078)	11591	(5258)	0.13	(3.2)	8377	(3800)	0.15	(3.7)	5847	(2652)	0.17	(4.4)	3898	(1768)
20	(6.1)	571	(850)	11419	(5179)	0.24	(6.2)	6650	(3016)	0.23	(5.8)	4988	(2262)	0.29	(7.3)	3325	(1508)
24	(7.32)	457	(681)	10979	(4980)	0.41	(10.4)	5490	(2490)	0.33	(8.3)	4117	(1868)	0.42	(10.6)	2745	(1245)
30	(9.14)	288	(428)	8630	(3914)	0.64	(16.2)	4315	(1957)	0.52	(13.1)	3236	(1468)	0.65	(16.5)	2157	(979)
32	(9.75)	251	(374)	8035	(3645)	0.72	(18.4)	4018	(1822)	0.59	(14.9)	3013	(1367)	0.74	(18.8)	2009	(911)
40	(12.19)	156	(232)	6224	(2823)	1.13	(28.8)	3112	(1411)	0.92	(23.5)	2334	(1059)	1.16	(29.3)	1556	(706)
48	(14.63)	104	(154)	4978	(2258)	1.63	(41.4)	2489	(1129)	1.34	(34.1)	1867	(847)	1.66	(42.2)	1244	(564)
50	(15.24)	94	(141)	4723	(2142)	1.77	(44.9)	2362	(1071)	1.46	(37.1)	1771	(803)	1.80	(45.8)	1181	(536)
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**.



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)
54 (25)	TIT-	3020	-048 P.2_125	<- 48" ->	TIT-	3020	-048 P.9_145	54 (25)
69 (31)	TIT-	3020	-060 P.2_125	<- 60" ->	TIT-	3020	-060 P.9_145	69 (31)
95 (43)	TIT-	3020	-096 P.2_125	<- 96" ->	TIT-	3020	-096 P.9_145	95 (43)
103 (47)	TIT-	3020	-120 P.2_125	<- 120" ->	TIT-	3020	-120 P.9_145	103 (47)

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





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

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ALLOWABLE LOAD TABLE :

		<div>Uniformly Distributed Load</div> 						<div>Center point</div> 				<div>Third point</div> 				<div>Quarter point</div> 			
Span length		Load Capacity				Deflection		Load Capacity		Deflection		Load Capacity		Deflection		Load Capacity		Deflection	
ft	(m)	lb/ft	(kg/m)	lb	(kg)	in	(mm)	lb	(kg)	in	(mm)	lb	(kg)	in	(mm)	lb	(kg)	in	(mm)
8	(2.44)	783	(1165)	6264	(2841)	0.01	(0.3)	6340	(2876)	0.02	(0.5)	3171	(1439)	0.02	(0.4)	2114	(959)	0.02	(0.4)
10	(3.05)	580	(863)	5797	(2630)	0.02	(0.6)	5886	(2670)	0.04	(0.9)	2945	(1336)	0.03	(0.8)	1963	(891)	0.03	(0.7)
16	(4.88)	356	(530)	5698	(2584)	0.09	(2.3)	5311	(2409)	0.13	(3.4)	2925	(1327)	0.13	(3.2)	1950	(885)	0.12	(3)
20	(6.1)	281	(418)	5623	(2551)	0.18	(4.5)	4659	(2113)	0.23	(5.9)	2853	(1294)	0.24	(6.1)	1902	(863)	0.23	(5.7)
24	(7.32)	231	(343)	5539	(2512)	0.30	(7.7)	3855	(1749)	0.34	(8.6)	2602	(1180)	0.39	(9.8)	1735	(787)	0.36	(9.1)
30	(9.14)	176	(261)	5270	(2391)	0.57	(14.6)	3020	(1370)	0.53	(13.4)	2261	(1026)	0.66	(16.9)	1508	(684)	0.62	(15.8)
32	(9.75)	159	(236)	5075	(2302)	0.67	(17.1)	2809	(1274)	0.60	(15.3)	2107	(956)	0.76	(19.2)	1404	(637)	0.71	(18)
40	(12.19)	108	(161)	4324	(1961)	1.16	(29.4)	2162	(981)	0.95	(24.1)	1621	(735)	1.18	(30)	1081	(490)	1.11	(28.1)
48	(14.63)	71	(106)	3430	(1556)	1.67	(42.4)	1715	(778)	1.38	(35.1)	1286	(583)	1.70	(43.2)	857	(389)	1.60	(40.6)
50	(15.24)	65	(97)	3246	(1472)	1.81	(46)	1623	(736)	1.50	(38.2)	1217	(552)	1.85	(46.9)	812	(368)	1.73	(44.1)
								Load per applied point											

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