

## 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)
58 (26)	TIP- 2020 -048 F.2_188	<- 48\"	TIP- 2020 -048 F.9_200	58 (26)
66 (30)	TIP- 2020 -060 F.2_188	<- 60\"	TIP- 2020 -060 F.9_200	66 (30)
89 (40)	TIP- 2020 -096 F.2_188	<- 96\"	TIP- 2020 -096 F.9_200	89 (40)
100 (45)	TIP- 2020 -120 F.2_188	<- 120\"	TIP- 2020 -120 F.9_200	100 (45)

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




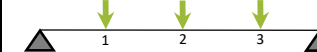
Material: Truss: 6061-T6 / Spigots: C12L14 / Pin: Stressproof 1144

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Tel : 514-400-3336

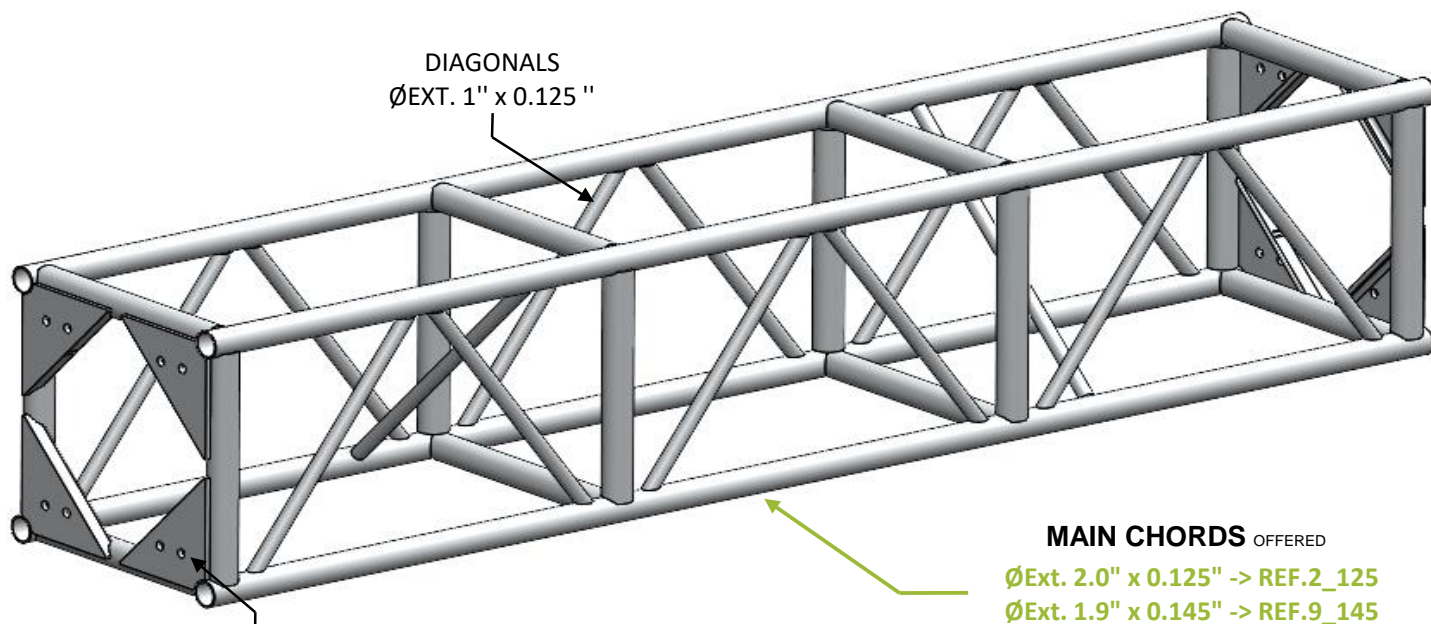
[info@therioinnovation.com](mailto:info@therioinnovation.com)

## ALLOWABLE LOAD TABLE :

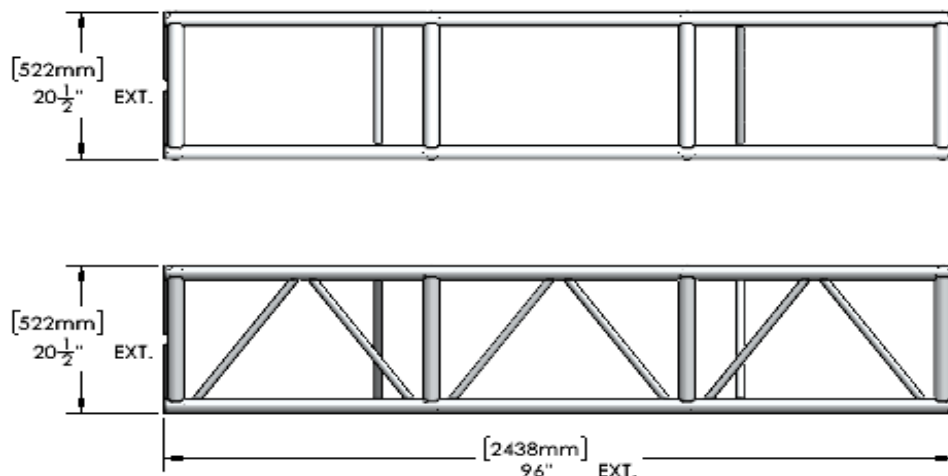
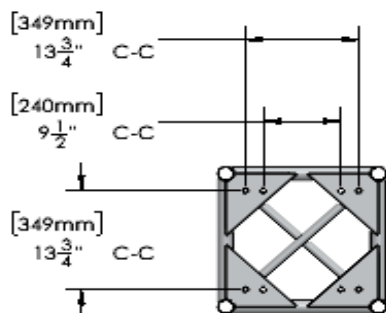
		<div>Uniformly Distributed Load</div> 						<div>Center point</div> 				<div>Third point</div> 				<div>Quarter point</div> 			
Span length		Load Capacity				Deflection		Load Capacity		Deflection		Load Capacity		Deflection		Load Capacity		Deflection	
ft	(m)	lb/ft	(kg/m)	lb	(kg)	in	(mm)	lb	(kg)	in	(mm)	lb	(kg)	in	(mm)	lb	(kg)	in	(mm)
8	(2.44)	911	(1356)	7289	(3306)	0.02	(0.6)	7289	(3306)	0.04	(0.9)	3654	(1657)	0.03	(0.8)	2436	(1105)	0.03	(0.7)
10	(3.05)	645	(960)	6452	(2927)	0.04	(1)	6452	(2926)	0.06	(1.6)	3239	(1469)	0.05	(1.4)	2160	(980)	0.05	(1.3)
16	(4.88)	396	(589)	6329	(2871)	0.16	(4)	5521	(2504)	0.22	(5.6)	3198	(1450)	0.22	(5.5)	2132	(967)	0.20	(5.1)
20	(6.1)	311	(463)	6217	(2820)	0.31	(7.8)	4377	(1985)	0.34	(8.7)	3160	(1433)	0.42	(10.7)	2106	(955)	0.39	(9.9)
24	(7.32)	253	(377)	6083	(2759)	0.52	(13.3)	3606	(1636)	0.50	(12.6)	2705	(1227)	0.63	(16)	1803	(818)	0.59	(14.9)
30	(9.14)	188	(280)	5650	(2563)	0.96	(24.4)	2825	(1281)	0.78	(19.8)	2119	(961)	0.98	(24.9)	1413	(641)	0.92	(23.3)
32	(9.75)	164	(244)	5254	(2383)	1.09	(27.8)	2627	(1192)	0.89	(22.6)	1970	(894)	1.12	(28.4)	1313	(596)	1.04	(26.5)
40	(12.19)	101	(150)	4043	(1834)	1.71	(43.4)	2021	(917)	1.40	(35.6)	1516	(688)	1.74	(44.3)	1011	(458)	1.63	(41.4)
48	(14.63)	67	(99)	3206	(1454)	2.46	(62.5)	1603	(727)	2.04	(51.8)	1202	(545)	2.51	(63.7)	802	(364)	2.36	(59.8)
50	(15.24)	61	(90)	3034	(1376)	2.67	(67.8)	1517	(688)	2.22	(56.4)	1138	(516)	2.72	(69.1)	759	(344)	2.56	(64.9)
								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



## SIZES

MAIN CHORDS Ø2.0 x 0.125					MAIN CHORDS Ø1.9 x 0.145				
WEIGHT Lbs (kg)	ITEMS REFERENCES				Length	ITEMS REFERENCES			
46 (21)	TIP-	2020	-048	P.2_125	<- 48" ->	TIP-	2020	-048	P.9_145
52 (24)	TIP-	2020	-060	P.2_125	<- 60" ->	TIP-	2020	-060	P.9_145
70 (32)	TIP-	2020	-096	P.2_125	<- 96" ->	TIP-	2020	-096	P.9_145
78 (35)	TIP-	2020	-120	P.2_125	<- 120" ->	TIP-	2020	-120	P.9_145

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)	451	(671)	3608	(1636)	0.02	(0.4)	3640	(1651)	0.03	(0.7)	1821	(826)	0.02	(0.6)	1214	(551)	0.02	(0.5)
10	(3.05)	312	(465)	3122	(1416)	0.03	(0.7)	3156	(1432)	0.04	(1.1)	1580	(717)	0.04	(1)	1053	(478)	0.04	(0.9)
16	(4.88)	192	(286)	3074	(1394)	0.11	(2.9)	3125	(1418)	0.18	(4.6)	1570	(712)	0.16	(3.9)	1047	(475)	0.14	(3.7)
20	(6.1)	152	(226)	3035	(1377)	0.22	(5.6)	3082	(1398)	0.35	(8.9)	1561	(708)	0.30	(7.7)	1041	(472)	0.28	(7.2)
24	(7.32)	125	(185)	2989	(1356)	0.38	(9.6)	2536	(1150)	0.51	(12.8)	1548	(702)	0.52	(13.3)	1032	(468)	0.49	(12.4)
30	(9.14)	96	(144)	2895	(1313)	0.73	(18.5)	1982	(899)	0.79	(20.2)	1486	(674)	1.00	(25.3)	991	(449)	0.93	(23.7)
32	(9.75)	89	(133)	2856	(1296)	0.88	(22.4)	1841	(835)	0.91	(23)	1381	(626)	1.13	(28.8)	921	(418)	1.06	(26.9)
40	(12.19)	67	(100)	2683	(1217)	1.66	(42.2)	1410	(640)	1.43	(36.3)	1058	(480)	1.77	(45)	705	(320)	1.66	(42.2)
48	(14.63)	46	(69)	2222	(1008)	2.50	(63.6)	1111	(504)	2.08	(52.9)	833	(378)	2.55	(64.7)	556	(252)	2.40	(60.9)
50	(15.24)	42	(62)	2099	(952)	2.71	(69)	1050	(476)	2.27	(57.5)	787	(357)	2.76	(70.2)	525	(238)	2.60	(66.1)
								Load per applied point											

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