CRAFTED TO ELEVATE
THE EXCEPTIONNEL

PRE-RIGGED SERIES

TIPR-1424-F.2_188

THERIO INNOVATION

MAIN CHORDS	2.0" OD x 0.188" -> REF.2_188 1.9" OD x 0.200" -> REF.9_200
DIAGONALS	1" OD x 0.125"
CONNECTION STYLE	Pin Ø3/4" / Spigots

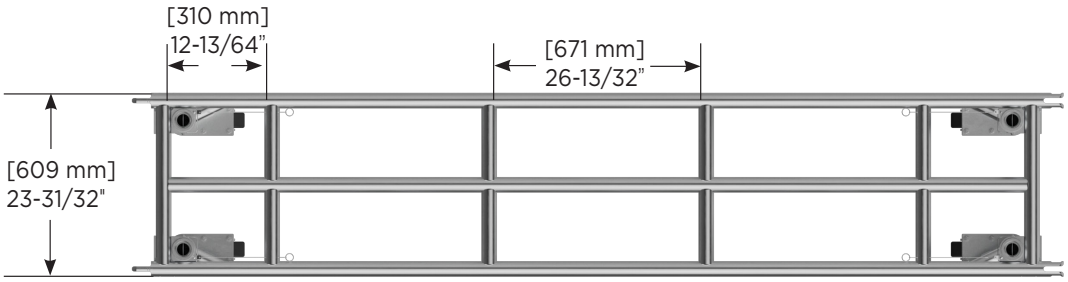


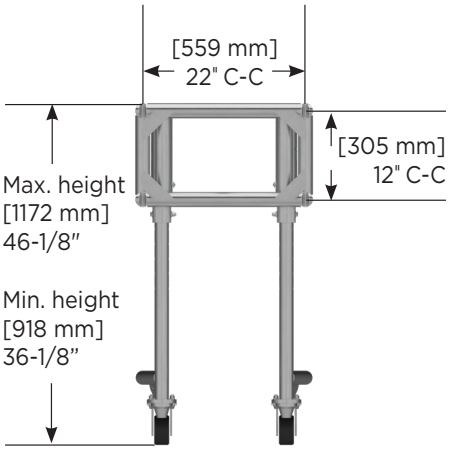
MATERIAL

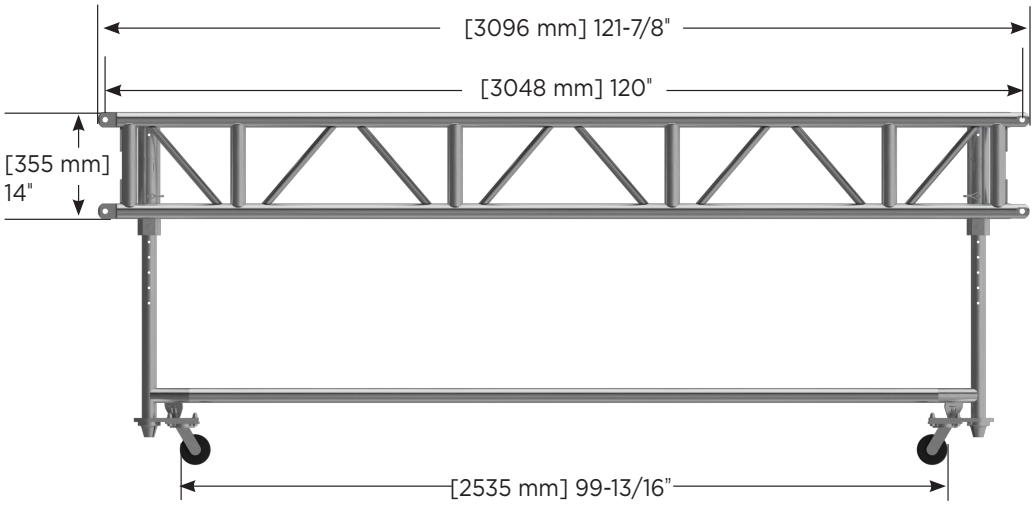
Truss: 6061-T6

Spigots: C12L14

Pin: Stressproof 1144







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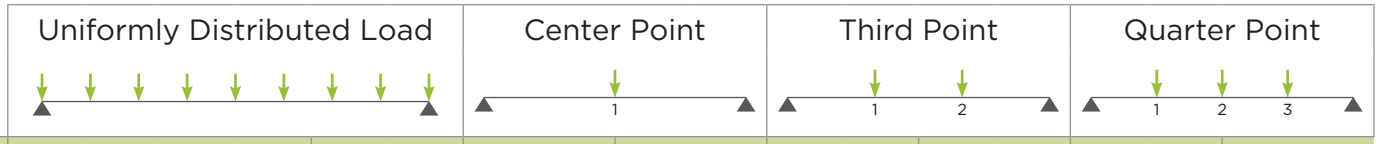
PRE-RIGGED SERIES

TIPR-1424-F.2_188

MAIN CHORDS 2.0" OD x 0.188"						LENGTH*						MAIN CHORDS 1.9" OD x 0.200"	
Weight lbs	(kg)	Item References					Item References					Weight lbs	(kg)
70	(32)	TIPR-	1424	-048	F.2_188	<- 48" ->	TIPR-	1424	-048	F.9_200		70	(32)
88	(40)	TIPR-	1424	-060	F.2_188	<- 60" ->	TIPR-	1424	-060	F.9_200		88	(40)
140	(64)	TIPR-	1424	-096	F.2_188	<- 96" ->	TIPR-	1424	-096	F.9_200		140	(64)
175	(79)	TIPR-	1424	-120	F.2_188	<- 120" ->	TIPR-	1424	-120	F.9_200		175	(79)

*Other lengths available: 24, 36, 72 and 84 in. | Custom lengths available upon request.

ALLOWABLE LOAD TABLE



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)	758	(1128)	6064	(2751)	0,01	(0.3)	6064	(2751)	0,02	(0.5)	3052	(1384)	0,02	(0.5)	2034	(923)	0,02	(0.4)
10	(3.05)	600	(893)	5998	(2721)	0,03	(0.7)	5719	(2594)	0,04	(1)	3029	(1374)	0,04	(0.9)	2019	(916)	0,03	(0.8)
16	(4.88)	358	(532)	5723	(2596)	0,10	(2.6)	3489	(1583)	0,10	(2.6)	2617	(1187)	0,13	(3.3)	1745	(791)	0,12	(3)
20	(6.1)	273	(406)	5457	(2475)	0,20	(5)	2728	(1238)	0,16	(4)	2046	(928)	0,20	(5.1)	1364	(619)	0,19	(4.8)
24	(7.32)	184	(274)	4419	(2004)	0,28	(7.2)	2210	(1002)	0,23	(5.9)	1657	(752)	0,29	(7.3)	1105	(501)	0,27	(6.9)
30	(9.14)	112	(166)	3346	(1518)	0,44	(11.2)	1673	(759)	0,37	(9.3)	1255	(569)	0,45	(11.4)	837	(379)	0,42	(10.7)
32	(9.75)	96	(143)	3069	(1392)	0,50	(12.8)	1535	(696)	0,42	(10.6)	1151	(522)	0,51	(13)	767	(348)	0,48	(12.2)
40	(12.19)	55	(82)	2203	(999)	0,79	(19.9)	1102	(500)	0,67	(16.9)	826	(375)	0,80	(20.3)	551	(250)	0,76	(19.2)
48	(14.63)	33	(49)	1580	(716)	1,13	(28.7)	790	(358)	0,98	(25)	592	(269)	1,15	(29.1)	395	(179)	1,09	(27.8)
50	(15.24)	29	(43)	1448	(657)	1,23	(31.2)	724	(328)	1,07	(27.3)	543	(246)	1,24	(31.6)	362	(164)	1,19	(30.2)
56	(17.07)	20	(29)	1094	(496)	1,54	(39.1)	547	(248)	1,38	(35)	410	(186)	1,56	(39.5)	273	(124)	1,50	(38.1)
60	(18.29)	15	(22)	886	(402)	1,77	(44.9)	443	(201)	1,60	(40.8)	332	(151)	1,78	(45.3)	221	(100)	1,73	(43.8)

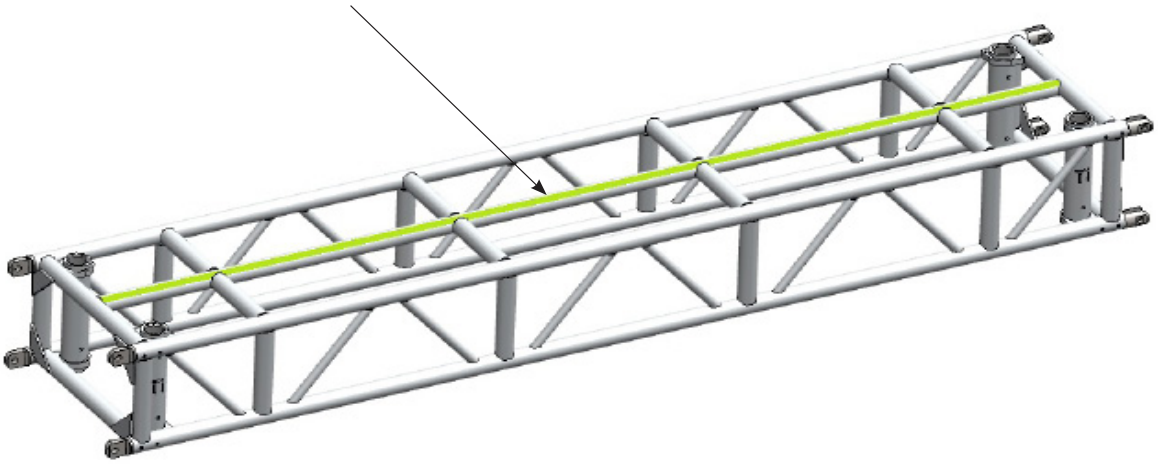
Load per applied point

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The maximum point load on the top middle chord is 495 lb.
The maximum uniformly distributed load on the top middle chord is 192 lb/ft.
The total truss load must not exceed the allowable of the load table.



NOTES

- Capacities shown in this table are valid for structures manufactured after January 2022.
- 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 the possible movement between the truss sections due to the tolerance of the pins/bolts.
- Data 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**.

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