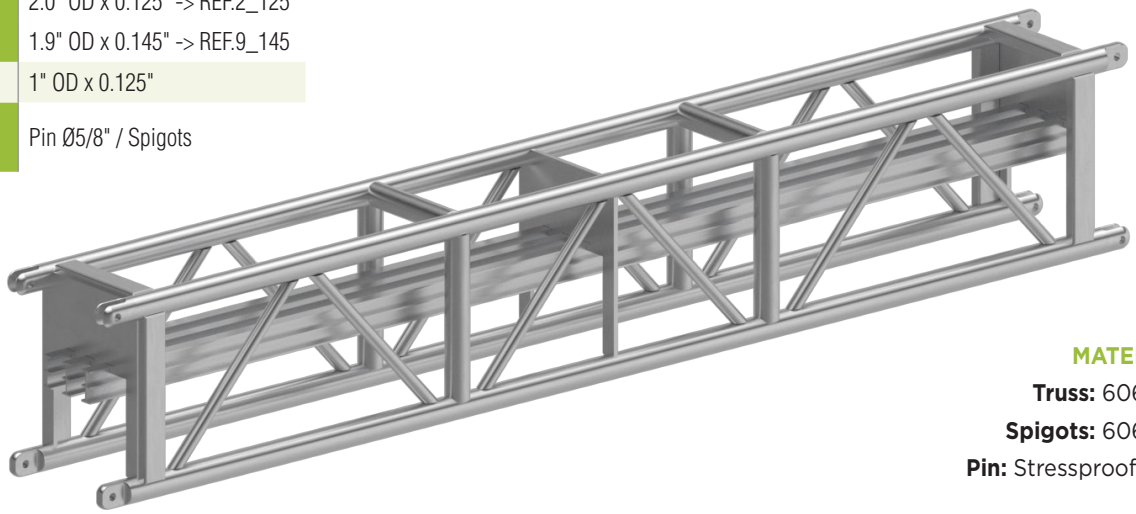
CRAFTED TO ELEVATE
THE EXCEPTIONNEL

CURTAINS RAILS SERIES

TICR-1612-F.2_125

THERIO INNOVATION

MAIN CHORDS	2.0" OD x 0.125" -> REF.2_125 1.9" OD x 0.145" -> REF.9_145
DIAGONALS	1" OD x 0.125"
CONNECTION STYLE	Pin Ø5/8" / Spigots

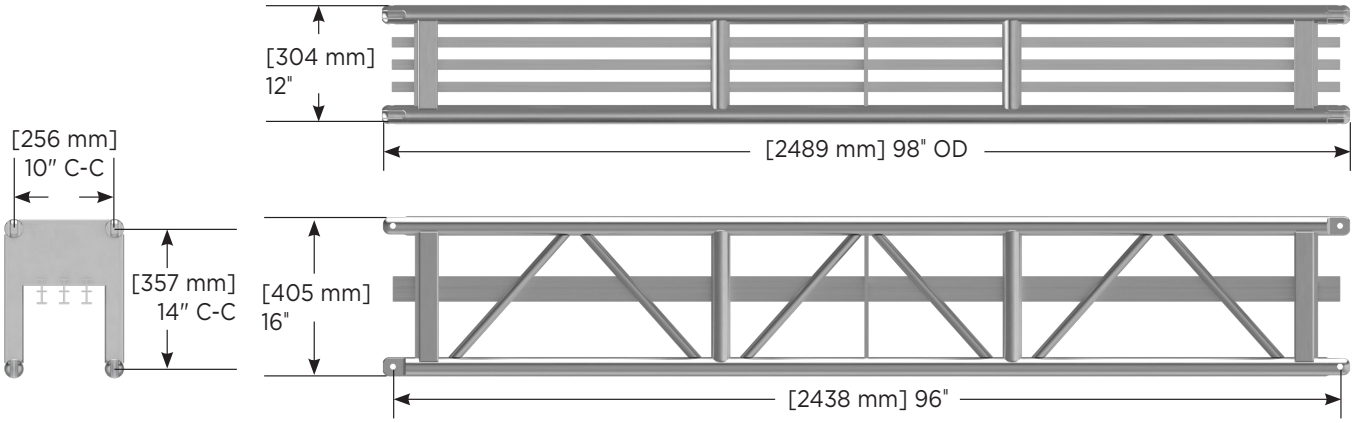


MATERIAL

Truss: 6061-T6

Spigots: 6061-T6

Pin: Stressproof 1144



MAIN CHORDS 2.0" OD x 0.125"

MAIN CHORDS 1.9" OD x 0.145"

Weight lbs	Weight (kg)	Item References	LENGTH*	Item References	Weight lbs	Weight (kg)
41	(19)	TICR-1612-048-F.2_125	<- 48" ->	TICR-1612-048-F.9_145	41	(19)
48	(22)	TICR-1612-060-F.2_125	<- 60" ->	TICR-1612-060-F.9_145	48	(22)
68	(31)	TICR-1612-096-F.2_125	<- 96" ->	TICR-1612-096-F.9_145	68	(31)
82	(37)	TICR-1612-120-F.2_125	<- 120" ->	TICR-1612-120-F.9_145	82	(37)

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

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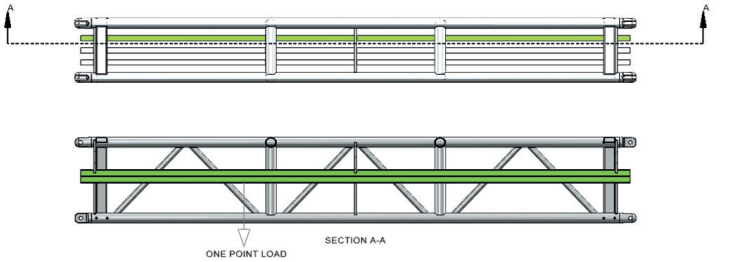
CURTAINS RAILS SERIES

TICR-1612-F.2_125

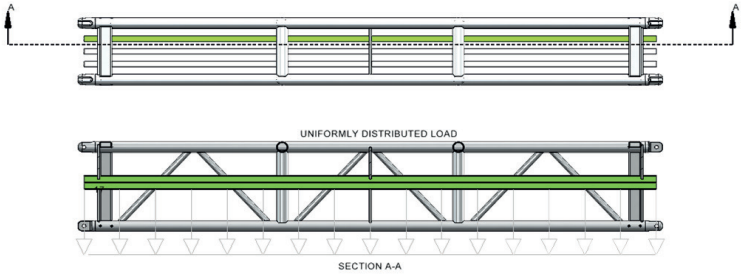
ALLOWABLE LOAD TABLE (TRUSS)

Span Length		Uniformly Distributed Load						Center Point				Third Point				Quarter Point			
		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)	900	(1340)	7203	(3267)	0,05	(1.3)	5637	(2557)	0,06	(1.6)	3615	(1640)	0,07	(1.8)	2410	(1093)	0,06	(1.6)
10	(3.05)	676	(1006)	6759	(3066)	0,09	(2.4)	4494	(2038)	0,10	(2.5)	3371	(1529)	0,13	(3.2)	2247	(1019)	0,12	(3)
16	(4.88)	346	(515)	5535	(2511)	0,32	(8.1)	2768	(1255)	0,26	(6.5)	2076	(942)	0,33	(8.3)	1384	(628)	0,30	(7.7)
20	(6.1)	218	(325)	4368	(1981)	0,50	(12.6)	2184	(991)	0,40	(10.2)	1638	(743)	0,51	(12.9)	1092	(495)	0,47	(12)
24	(7.32)	149	(222)	3578	(1623)	0,72	(18.2)	1789	(811)	0,58	(14.8)	1342	(609)	0,73	(18.6)	894	(406)	0,68	(17.3)
30	(9.14)	92	(137)	2771	(1257)	1,12	(28.4)	1386	(628)	0,91	(23.2)	1039	(471)	1,14	(29)	693	(314)	1,07	(27.1)
32	(9.75)	80	(119)	2565	(1164)	1,27	(32.4)	1283	(582)	1,04	(26.5)	962	(436)	1,30	(33)	641	(291)	1,22	(30.9)
40	(12.19)	48	(72)	1931	(876)	1,99	(50.5)	965	(438)	1,65	(41.9)	724	(328)	2,03	(51.5)	483	(219)	1,91	(48.4)
48	(14.63)	31	(46)	1485	(674)	2,87	(72.8)	743	(337)	2,42	(61.4)	557	(253)	2,92	(74.1)	371	(168)	2,75	(69.9)
50	(15.24)	28	(41)	1393	(632)	3,11	(79)	696	(316)	2,63	(66.9)	522	(237)	3,16	(80.3)	348	(158)	2,99	(76)

Load per applied point



The maximum point load on one (1) rail is 390lb.



The maximum uniformly distributed load on one (1) rail is define in the allowable load table (rail).

ALLOWABLE LOAD TABLE (RAIL)

Span length		Load capacity per rail			
ft	(m)	lb/ft	(kg/m)	lb	(kg)
8	(2.44)	100	(149)	800	(46)
10	(3.05)	100	(149)	1000	(46)
16	(4.88)	100	(149)	1600	(46)
20	(6.1)	73	(109)	1453	(33)
24	(7.32)	50	(75)	1200	(23)
30	(9.15)	31	(46)	920	(14)
32	(9.76)	27	(40)	853	(13)
40	(12.2)	16	(24)	640	(8)
48	(14.64)	10	(16)	496	(5)
50	(15.24)	9	(14)	450	(5)

Total truss load must not exceed the allowable load of the truss.

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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 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**.

CURVED OPTION AVAILABLE:

TICRC-1612-F.2_125

