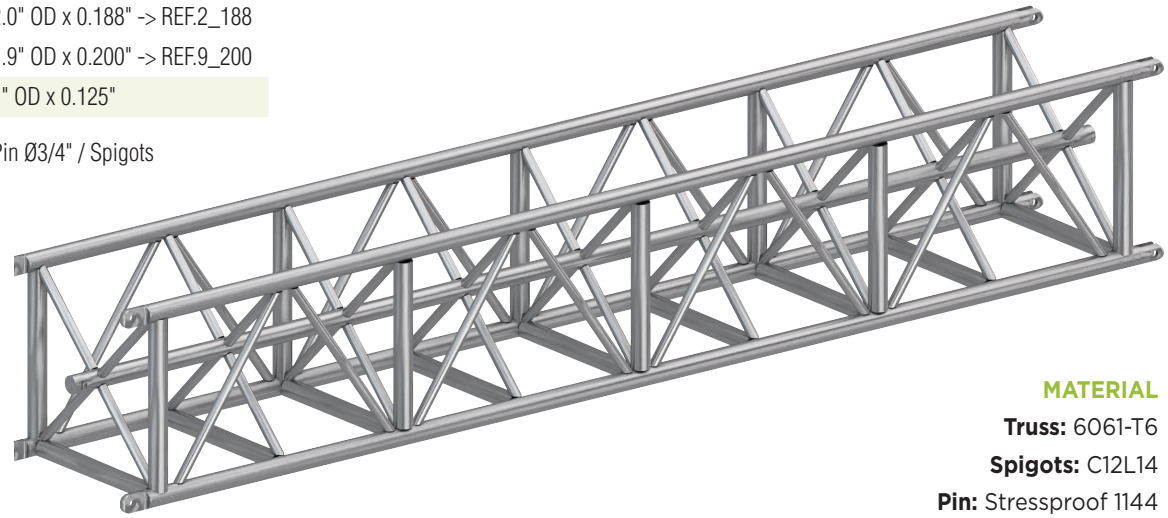
CRAFTED TO ELEVATE
THE EXCEPTIONAL

V TRUSS SERIES

TIV-2020-F.2_188 **HEAVY DUTY**

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

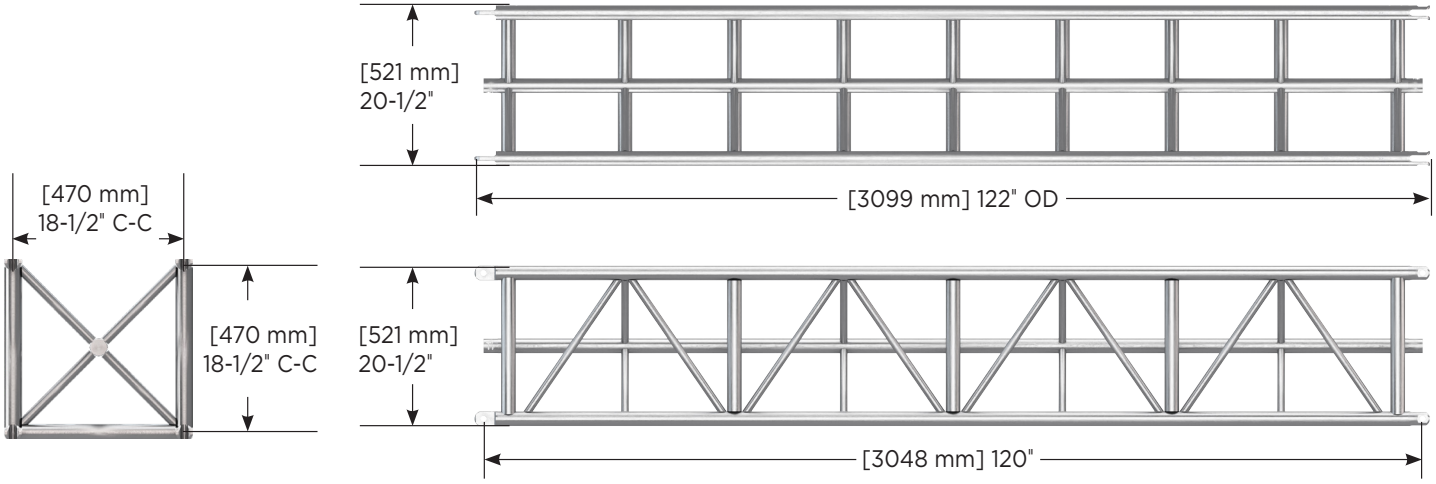


MATERIAL

Truss: 6061-T6

Spigots: C12L14

Pin: Stressproof 1144



MAIN CHORDS 2.0" OD x 0.188"

MAIN CHORDS 1.9" OD x 0.200"

Weight lbs	Weight (kg)	Item References				LENGTH*	Item References				Weight lbs	Weight (kg)
60	(27)	TIV-	2020	-048	F.2_188	<- 48" ->	TIV-	2020	-048	F.9_200	60	(27)
76	(34)	TIV-	2020	-060	F.2_188	<- 60" ->	TIV-	2020	-060	F.9_200	76	(34)
105	(48)	TIV-	2020	-096	F.2_188	<- 96" ->	TIV-	2020	-096	F.9_200	105	(48)
128	(58)	TIV-	2020	-120	F.2_188	<- 120" ->	TIV-	2020	-120	F.9_200	128	(58)

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

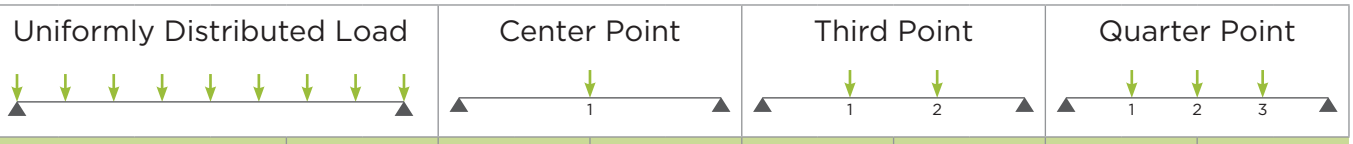
MANUFACTURED BY CERTIFIED WELDERS

1 888 366.2336 | info@therioinnovation.com

V TRUSS SERIES

TIV-2020-F.2_188 **HEAVY DUTY**

ALLOWABLE LOAD TABLE



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)	911	(1356)	7288	(3306)	0,02	(0.6)	7288	(3306)	0,04	(0.9)	3655	(1658)	0,03	(0.8)	2437	(1105)	0,03	(0.7)
10	(3.05)	725	(1079)	7249	(3288)	0,04	(1.1)	7249	(3288)	0,07	(1.8)	3642	(1652)	0,06	(1.5)	2428	(1101)	0,06	(1.4)
16	(4.88)	443	(659)	7086	(3214)	0,18	(4.5)	5504	(2497)	0,22	(5.6)	3587	(1627)	0,24	(6.2)	2391	(1085)	0,23	(5.7)
20	(6.1)	347	(516)	6937	(3146)	0,34	(8.7)	4356	(1976)	0,34	(8.7)	3267	(1482)	0,44	(11.1)	2178	(988)	0,41	(10.3)
24	(7.32)	282	(419)	6760	(3066)	0,58	(14.8)	3582	(1625)	0,50	(12.6)	2686	(1218)	0,63	(15.9)	1791	(812)	0,58	(14.9)
30	(9.14)	186	(277)	5588	(2535)	0,96	(24.4)	2794	(1267)	0,78	(19.8)	2096	(951)	0,98	(24.9)	1397	(634)	0,92	(23.2)
32	(9.75)	162	(241)	5188	(2353)	1,09	(27.7)	2594	(1177)	0,89	(22.6)	1945	(882)	1,11	(28.3)	1297	(588)	1,04	(26.5)
40	(12.19)	99	(147)	3960	(1796)	1,71	(43.3)	1980	(898)	1,41	(35.7)	1485	(674)	1,74	(44.2)	990	(449)	1,63	(41.4)
48	(14.63)	65	(96)	3107	(1409)	2,46	(62.4)	1554	(705)	2,05	(52.1)	1165	(529)	2,50	(63.6)	777	(352)	2,36	(59.8)
50	(15.24)	59	(87)	2931	(1330)	2,67	(67.7)	1466	(665)	2,23	(56.7)	1099	(499)	2,72	(69)	733	(332)	2,56	(65)
								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 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**.

514 400.3336 | 1 888 366.2336
info@therioinnovation.com