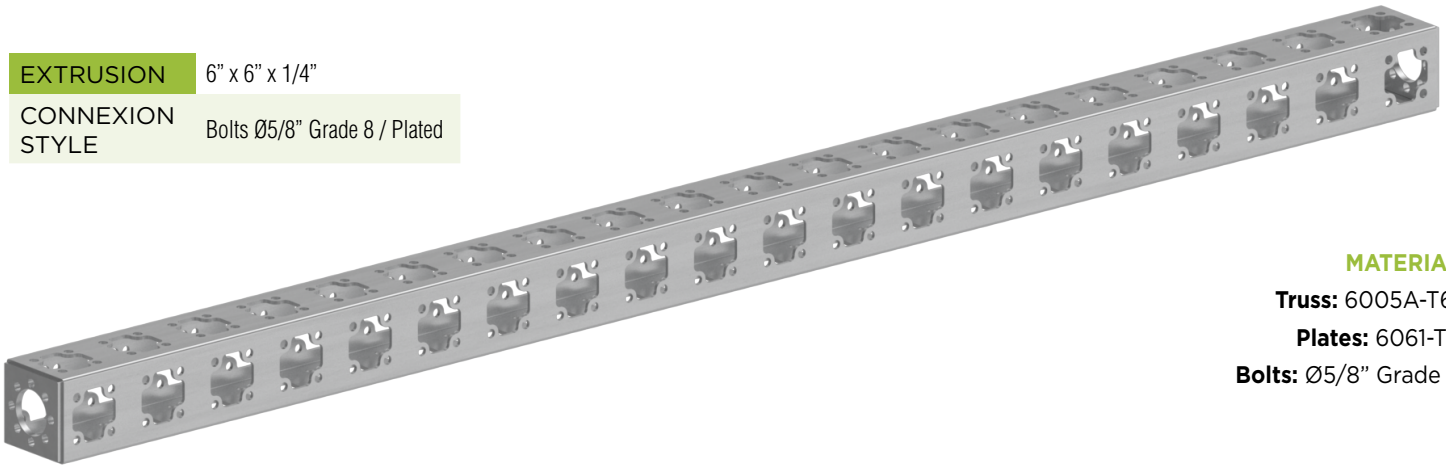
MECATRUSS SERIES

TIM-0606-P LIGHT DUTY

EXTRUSION	6” x 6” x 1/4”
CONNEXION STYLE	Bolts Ø5/8” Grade 8 / Plated

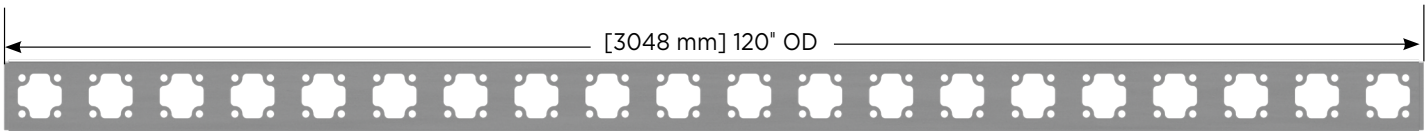


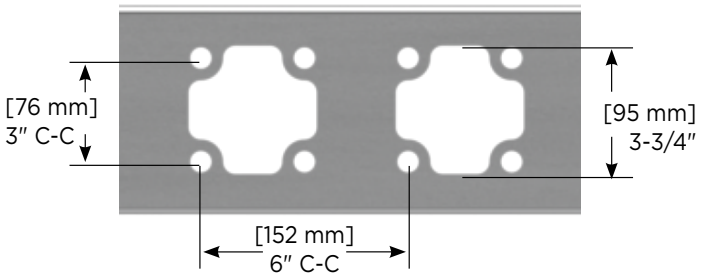
MATERIAL

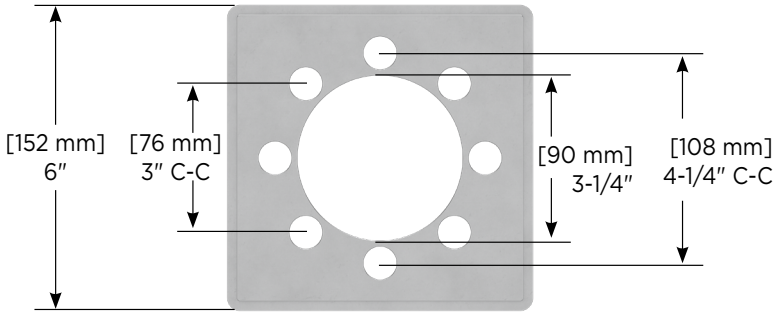
Truss: 6005A-T61

Plates: 6061-T6

Bolts: Ø5/8” Grade 8







DIMENSIONS

Weight lbs	Weight (kg)	Items References				LENGTH*
19	(9)	TIM-	0606	<- 48” ->	P	<- 48” ->
24	(11)	TIM-	0606	<- 60” ->	P	<- 60” ->
37	(17)	TIM-	0606	<- 96” ->	P	<- 96” ->
46	(21)	TIM-	0606	<- 120” ->	P	<- 120” ->

*Other lengths available: 12, 24, 36, 72, 84 and 108 in. | Custom lengths available upon request.

MANUFACTURED BY CERTIFIED WELDERS

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)	785	(1168)	6279	(2848)	0,52	(13.2)	3191	(1447)	0,42	(10.7)	2399	(1088)	0,54	(13.7)	1602	(727)	0,50	(12.8)
10	(3.05)	504	(750)	5042	(2287)	0,82	(20.7)	2547	(1155)	0,66	(16.8)	1914	(868)	0,84	(21.4)	1277	(579)	0,79	(19.9)
16	(4.88)	195	(290)	3122	(1416)	2,10	(53.5)	1568	(711)	1,70	(43.2)	1176	(534)	2,16	(54.9)	785	(356)	2,01	(51.1)
20	(6.1)	123	(183)	2462	(1117)	3,30	(83.7)	1234	(560)	2,67	(67.9)	926	(420)	3,38	(85.7)	618	(280)	3,15	(80)
24	(7.32)	84	(125)	2012	(913)	4,75	(120.7)	1008	(457)	3,87	(98.2)	756	(343)	4,86	(123.4)	504	(229)	4,54	(115.3)
30	(9.14)	52	(77)	1549	(703)	7,43	(188.7)	775	(352)	6,10	(154.9)	582	(264)	7,59	(192.7)	388	(176)	7,10	(180.5)
32	(9.75)	45	(67)	1430	(649)	8,45	(214.7)	716	(325)	6,96	(176.8)	537	(244)	8,63	(219.2)	358	(162)	8,09	(205.5)
40	(12.19)	27	(40)	1062	(482)	13,22	(335.7)	532	(241)	11,05	(280.6)	399	(181)	13,47	(342.1)	266	(121)	12,68	(322.1)
								Load per applied point											

THE CAPACITY CHART IS FOR 4x 5/8" GRADE 8 BOLTS ON EACH END PLATE

RECOMMENDED TORQUE VALUES
Temporary installation: 80-100 ft-lb
Permanent installation: 130-150 ft-lb

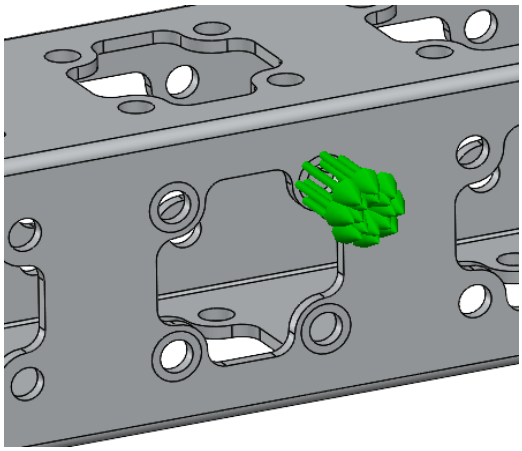
MECATRUSS 6"X6" ALUMINUM TRUSS (unbraced length) **COLUMN LOAD CAPACITY**	
10' (3.05 m)	10691 lbs (4849 kg)
20' (6.09 m)	6363 lbs (2886 kg)
30' (9.14 m)	3439 lbs (1560 kg)

All columns are pinned top and bottom and use an effective length factor of K=1.0.
All capacities assume that no other shear, flexure, or torsional forces are applied to the column.

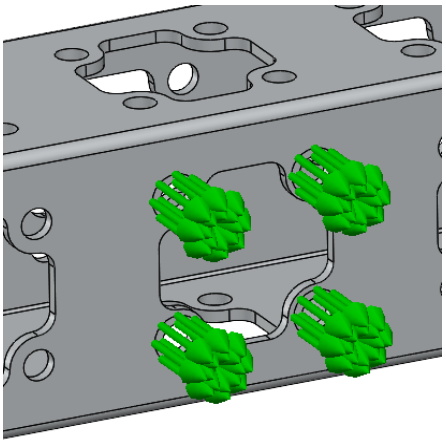
MANUFACTURED BY CERTIFIED WELDERS

HANGING CAPACITY MECATRUSS 6''X6''	
ONE HOLE LOAD CAPACITY	**FOUR HOLES LOAD CAPACITY**
850 lbs (386 kg)	2300 lbs (1043 kg)

Never exceed the load capacity of the truss.



One hole



Four holes

NOTES

- Capacities shown in this table are valid for trusses manufactured after January 2022.
- Trusses must be loaded uniformly across their width.
- 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 bolts.
- Data are valid for indoor use 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**.