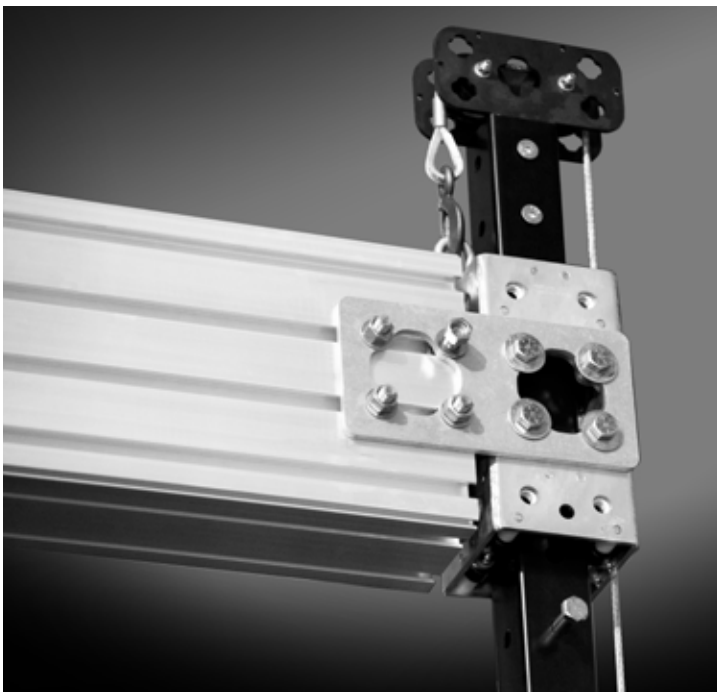


# ModTruss 6" x 12" Extrusion (Internal Splice Tube) Load Table

Revised 3/27/19

Extrusion Span Feet (Meters)	Uniformly Distributed Load		Center Point Load		Third Point Load Total Load = Point Load x 2		Quarter Point Load Total Load = Point Load x 3		Fifth Point Load Total Load = Point Load x 4	
	Total Load Pounds (kgs)	Deflection Inches (mm)	Point Load Pounds (kgs)	Deflection Inches (mm)	Point Load Pounds (kgs)	Deflection Inches (mm)	Point Load Pounds (kgs)	Deflection Inches (mm)	Point Load Pounds (kgs)	Deflection Inches (mm)
5 (1.52)	81,920 (37,158.28)	0.100 (2.54)	58,406 (26,492.51)	0.120 (3.04)	40,960 (18,579.14)	0.140 (3.55)	27,307 (12,386.24)	0.130 (3.30)	20,480 (9,289.57)	0.120 (3.04)
10 (3.04)	58,290 (26,439.89)	0.590 (14.98)	29,144 (13,219.49)	0.470 (11.93)	21,858 (9,914.62)	0.610 (15.49)	14,572 (6,609.74)	0.560 (14.22)	12,143 (5,507.97)	0.590 (14.98)
15 (4.57)	29,370 (13,322.00)	0.870 (22.09)	18,175 (8,244.04)	0.870 (22.09)	10,548 (4,784.49)	0.870 (22.09)	7,634 (3,462.72)	0.870 (22.09)	6,059 (2,748.31)	0.870 (22.09)
20 (6.09)	16,340 (7,411.69)	1.330 (33.78)	10,110 (4,585.81)	1.330 (33.78)	5,867 (2,661.22)	1.330 (33.78)	4,247 (1,926.40)	1.330 (33.78)	3,370 (1,528.6)	1.330 (33.78)
25 (7.62)	10,250 (4,649.32)	1.670 (42.41)	6,351 (2,880.76)	1.670 (42.41)	3,685 (1,671.48)	1.670 (42.41)	2,668 (1,210.18)	1.670 (42.41)	2,117 (960.25)	1.670 (42.41)
30 (9.14)	6,930 (3,143.39)	2.000 (50.8)	4,286 (1,944.09)	2.000 (50.8)	2,487 (1,128.08)	2.000 (50.8)	1,800 (816.46)	2.000 (50.8)	1,429 (648.18)	2.000 (50.8)
35 (10.66)	4,900 (2,222.60)	2.330 (59.18)	3,022 (1,370.75)	2.330 (59.18)	1,754 (795.6)	2.330 (59.18)	1,269 (575.6)	2.330 (59.18)	1,007 (456.76)	2.330 (59.18)
40 (12.19)	3,520 (1,596.64)	2.670 (67.81)	2,184 (990.64)	2.670 (67.81)	1,267 (574.7)	2.670 (67.81)	917 (415.94)	2.670 (67.81)	728 (330.21)	2.670 (67.81)
45 (13.71)	2,565 (1,163.46)	3.000 (76.2)	1,594 (723.02)	3.000 (76.2)	925 (419.57)	3.000 (76.2)	670 (303.9)	3.000 (76.2)	531 (240.85)	3.000 (76.2)
50 (15.24)	1,850 (839.14)	3.330 (84.58)	1,158 (525.26)	3.330 (84.58)	672 (304.81)	3.330 (84.58)	487 (220.89)	3.330 (84.58)	386 (175.08)	3.330 (84.58)
55 (16.76)	1,320 (598.74)	3.670 (93.21)	823 (373.30)	3.670 (93.21)	478 (216.81)	3.670 (93.21)	346 (156.94)	3.670 (93.21)	274 (124.28)	3.670 (93.21)
60 (18.28)	900 (408.23)	4.010 (101.85)	556 (252.19)	4.000 (101.6)	323 (146.51)	4.000 (101.6)	234 (106.14)	4.000 (101.6)	185 (83.91)	4.000 (101.6)

Information extracted from the structural report by Clark Reder Engineering | 10091 Mosteller Lane | West Chester OH 45069 | Ph 513-851-1223 | Date: 11/9/2017 | CRE Project No. 17.419.07 | Drawn by: JMR/DDL | S1.2



6" x 12" Extrusion (unbraced length) Column Load Capacity	
10' (3.04 meters)	170,370 lbs (77,278.53 kg)
20' (6.09 meters)	53,370 lbs (24,208.22 kg)
30' (9.14 meters)	23,670 lbs (10,736.53 kg)

All columns are assumed to be 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.

Information extracted from the structural report by Clark Reder Engineering  
Date: 02/22/2019 | CRE Project No. 19.419.05  
Engineer: DJP

## KEY FEATURES

- T-Slot combined within a structural beam
- Keyway (aka Kedar Track or Screw-boss)
- Compatible with all ModTruss products
- 12 available slots