ModTruss 6" x 6" Extrusion *(Without Splice)* 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 UDL *(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)*	33,870 *(15,363.17)*	0.26 *(6.60)*	16,935 *(7,681.59)*	0.21 *(5.33)*	12,701 *(5,761.08)*	0.27 *(6.85)*	8,468 *(3,841.02)*	0.25 *(6.35)*	7,056 *(3,200.55)*	0.26 *(6.60)*
10 *(3.04)*	10,690 *(4,848.90)*	0.67 *(17.01)*	6,618 *(3,001.87)*	0.67 *(17.01)*	3,841 *(1,742.25)*	0.66 *(16.76)*	2,780 *(1,260.99)*	0.67 *(17.01)*	2,206 *(1,000.63)*	0.67 *(17.01)*
15 *(4.57)*	4,650 *(2,109.21)*	1.00 *(25.40)*	2,877 *(1,304.98)*	1.00 *(25.40)*	1,669 *(757.05)*	0.99 *(25.14)*	1,208 *(547.94)*	1.00 *(25.40)*	959 *(434.99)*	1.00 *(25.40)*
20 *(6.09)*	2,500 *(1,133.88)*	1.34 *(34.03)*	1,547 *(701.71)*	1.33 *(33.78)*	898 *(407.33)*	1.33 *(33.78)*	650 *(294.84)*	1.33 *(33.78)*	516 *(234.05)*	1.33 *(33.78)*
25 *(7.62)*	1,475 *(669.05)*	1.67 *(42.41)*	916 *(415.49)*	1.67 *(42.41)*	531 *(240.86)*	1.66 *(33.78)*	385 *(174.63)*	1.67 *(42.41)*	305 *(138.35)*	1.67 *(42.41)*
30 *(9.14)*	900 *(408.23)*	2.00 *(50.80)*	558 *(253.11)*	2.00 *(50.80)*	324 *(146.96)*	1.99 *(50.54)*	235 *(106.59)*	2.00 *(50.80)*	186 *(84.37)*	2.00 *(50.80)*

ModTruss 6" x 6" Extrusion *(With Splice)* 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 UDL *(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)*	7,435 *(3,372.46)*	0.06 *(1.52)*	5,717 *(2,593.18)*	0.07 *(1.77)*	3,718 *(1,686.45)*	0.08 *(2.03)*	2,479 *(1,124.45)*	0.07 *(1.77)*	1,859 *(843.22)*	0.07 *(1.77)*
10 *(3.04)*	5,640 *(2,558.26)*	0.36 *(9.14)*	2,822 *(1,280.03)*	0.29 *(7.36)*	2,116 *(959.80)*	0.37 *(9.39)*	1,411 *(640.01)*	0.34 *(8.63)*	1,176 *(533.42)*	0.36 *(9.14)*
15 *(4.57)*	3,675 *(1,666.95)*	0.80 *(20.32)*	1,840 *(834.61)*	0.65 *(16.51)*	1,380 *(625.95)*	0.83 *(21.08)*	920 *(417.30)*	0.77 *(19.55)*	767 *(347.90)*	0.81 *(20.57)*
20 *(6.09)*	2,500 *(1,133.88)*	1.34 *(34.03)*	1,337 *(606.45)*	1.17 *(29.71)*	898 *(407.33)*	1.33 *(33.78)*	650 *(294.84)*	1.33 *(33.78)*	516 *(234.05)*	1.33 *(33.78)*
25 *(7.62)*	1,475 *(669.05)*	1.67 *(42.41)*	916 *(415.49)*	1.67 *(42.41)*	531 *(240.86)*	1.66 *(42.16)*	385 *(174.63)*	1.67 *(42.41)*	305 *(138.35)*	1.67 *(42.41)*
30 *(9.14)*	900 *(408.23)*	2.00 *(50.80)*	558 *(253.11)*	2.00 *(50.80)*	324 *(146.96)*	1.99 *(50.54)*	235 *(106.59)*	2.00 *(50.80)*	186 *(84.37)*	2.00 *(50.80)*

Information extracted from the structrual report by Clark Reder Engineering | 10091 Mosteller Lane | West Chester OH 45069 | Ph 513-851-1223 | Date: 10/16/2018 | CRE Project No. 17.419.07 | Drawn by: JMR/TAK | S1.1

6" x 6" Extrusion (unbraced length) **Column Load Capacity**	
10' *(3.04 meters)*	100,980 lbs *(45,803.75 kg)*
20' *(6.09 meters)*	28,980 lbs *(13,145.10 kg)*
30' *(9.14 meters)*	12,870 lbs *(5,837.73 kg)*

All columns are assumed to be pinned top and bottom and use and 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