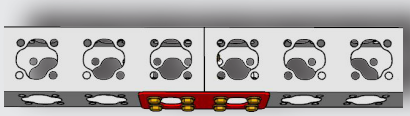
Revised 6/13/19

ModTruss 6" Aluminum Truss Load Table
With Splice Plates at connections



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)*	4,522 *(2,050.86)*	0.11 *(2.79)*	3,404 *(1,543.81)*	0.14 *(3.56)*	2,202 *(998.81)*	0.14 *(3.56)*	1,503 *(681.75)*	0.14 *(3.56)*	1,127 *(511.20)*	0.15 *(3.81)*
10 *(3.04)*	2,044 *(927.01)*	0.31 *(7.87)*	1,104 *(500.70)*	0.34 *(8.64)*	802 *(363.78)*	0.38 *(9.65)*	603 *(273.52)*	0.42 *(10.67)*	502 *(227.70)*	0.42 *(10.67)*
15 *(4.57)*	1,369 *(620.97)*	0.80 *(20.32)*	710 *(322.05)*	0.74 *(18.80)*	502 *(227.70)*	0.94 ***(23.88)***	370 *(167.83)*	0.91 *(23.11)*	302 *(136.99)*	0.98 *(24.89)*
20 *(6.09)*	1,244 *(564.27)*	1.54 *(39.12)*	533 *(241.77)*	1.32 *(33.53)*	455 *(206.39)*	1.79 *(45.47)*	335 *(151.95)*	1.44 *(36.58)*	252 *(114.31)*	1.37 *(34.80)*
25 *(7.62)*	1,039 *(471.28)*	2.49 *(63.25)*	426 *(193.23)*	2.06 *(52.32)*	355 *(161.03)*	2.84 *(72.14)*	250 *(113.40)*	2.80 *(71.12)*	190 *(86.18)*	2.80 *(71.12)*
30 *(9.14)*	414 *(187.79)*	2.35 *(59.69)*	355 *(161.03)*	3.00 *(76.20)*	232 *(105.23)*	3.55 *(90.17)*	170 *(77.11)*	3.63 *(92.20)*	127 *(57.61)*	3.51 *(89.15)*

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ModTruss 6" Aluminum Truss Load Table
Without Splice Plates at connections

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)*	4,422 *(2,005.78)*	0.09 *(2.28)*	3,304 *(1,498.66)*	0.12 *(3.05)*	2,102 *(953.45)*	0.13 *(3.30)*	1,403 *(636.39)*	0.11 *(2.79)*	1,027 *(465.83)*	0.12 *(3.05)*
10 *(3.04)*	1,944 *(881.78)*	0.27 *(6.86)*	1,004 *(455.40)*	0.28 *(7.11)*	702 *(318.42)*	0.31 *(7.87)*	503 *(228.15)*	0.35 *(8.89)*	402 *(182.34)*	0.37 *(9.40)*
15 *(4.57)*	1,033 *(468.50)*	0.84 *(21.34)*	504 *(228.58)*	0.64 *(16.26)*	378 *(171.46)*	0.67 ***(17.02)***	252 *(46.27)*	0.63 *(16.00)*	210 *(34.47)*	0.66 *(16.76)*
20 *(6.09)*	820 *(371.89)*	1.46 *(37.08)*	378 *(171.46)*	0.93 *(23.62)*	284 *(128.82)*	1.19 *(30.23)*	189 *(54.43)*	1.12 *(28.45)*	158 *(40.82)*	1.18 *(29.97)*
25 *(7.62)*	733 *(332.44)*	2.21 *(56.13)*	303 *(137.44)*	1.46 *(37.08)*	277 *(125.65)*	1.86 *(47.24)*	151 *(85.28)*	1.75 *(44.45)*	126 *(68.95)*	1.84 *(46.74)*
30 *(9.14)*	143 *(64.85)*	1.12 *(28.45)*	252 *(114.31)*	2.10 *(53.34)*	189 *(85.73)*	2.68 *(68.07)*	126 *(31.75)*	2.52 *(64.00)*	105 *(28.12)*	2.65 *(67.31)*

Information extracted from the structrual report by Clark Reder Engineering | 10091 Mosteller Lane | West Chester OH 45069 | Ph 513-851-1223 | Date: 11/2/2018 | CRE Project No. 17.419.07 | Drawn by: JMR/DDL | S1.2

6" Aluminum Truss (unbraced length) **Column Load Capacity**	
10' *(3.04 meters)*	12,420 lbs *(5,633.61 kg)*
20' *(6.09 meters)*	7,650 lbs *(3,469.98 kg)*
30' *(9.14 meters)*	4,050 lbs *(1,837.04 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