

ModTruss 12" Aluminum Truss Load Table

With Splice Plates at connections



Span Feet (Meters)	Uniformly Distributed Load (Total Load x Span - feet)		Center Point Load (Point Load x1)		Third Point Load (Point Load x2)		Quarter Point Load (Point Load x3)		Fifth Point Load (Point Load x4)	
	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)	9,152 (4,151.27)	0.02 (0.51)	9,152 (4,151.27)	0.03 (0.99)	4,576 (2,075.64)	0.03 (0.84)	3,051 (1,383.91)	0.03 (0.79)	2,288 (1,037.82)	0.03 (0.76)
10 (3.04)	9,112 (4,133.13)	0.19 (4.98)	6,556 (2,973.75)	0.22 (5.72)	4,556 (2,066.57)	0.26 (6.76)	3,038 (1,378.01)	0.25 (6.35)	2,278 (1,033.28)	0.23 (5.99)
15 (4.57)	8,664 (3,929.92)	0.63 (16.05)	4,332 (1,964.96)	0.50 (12.88)	3,249 (1,473.72)	0.64 (16.41)	2,166 (982.48)	0.60 (15.42)	1,805 (818.73)	0.63 (16.18)
20 (6.09)	6,424 (2,913.88)	1.12 (28.52)	3,212 (1,456.94)	0.90 (22.99)	2,409 (1,092.70)	1.14 (29.13)	1,606 (728.47)	1.07 (27.41)	1,338 (606.91)	1.13 (28.75)
25 (7.62)	5,056 (2,293.36)	1.75 (44.45)	2,528 (1,146.68)	1.41 (36.04)	1,896 (860.01)	1.79 (45.52)	1,264 (573.34)	1.68 (42.88)	1,053 (477.63)	1.76 (44.91)
30 (9.14)	4,136 (1,876.06)	2.52 (64.19)	2,068 (938.03)	2.05 (52.12)	1,551 (703.52)	2.58 (65.53)	1,034 (469.01)	2.43 (61.77)	862 (390.99)	2.54 (64.67)
35 (10.67)	3,459 (1,568.98)	3.44 (87.38)	1,730 (784.71)	2.80 (71.35)	1,297 (588.31)	3.51 (89.15)	865 (392.36)	3.31 (84.15)	721 (327.04)	3.46 (88.01)
40 (12.19)	2,948 (1,337.19)	4.49 (114.05)	1,474 (668.60)	3.69 (93.73)	1,106 (501.67)	4.58 (116.38)	737 (334.30)	4.33 (109.98)	614 (278.51)	4.52 (114.94)

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Without Splice Plates at connections



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	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)	17,080 (7,747.36)	0.01 (0.25)	7,016 (3,182.40)	0.09 (2.29)	6,516 (2,955.61)	0.10 (2.54)	5,180 (2,349.61)	0.11 (2.79)	4,266 (1,935.03)	0.10 (2.54)
10 (3.04)	10,160 (4,608.50)	0.19 (4.83)	6,016 (2,728.81)	0.22 (5.59)	5,016 (2,275.22)	0.29 (7.37)	3,346 (4,553.16)	0.25 (6.35)	2,516 (1,141.24)	0.26 (6.60)
15 (4.57)	3,740 (1,696.44)	0.41 (10.41)	2,516 (1,141.24)	0.46 (11.68)	1,266 (574.25)	0.43 (10.92)	1,016 (460.85)	0.44 (11.18)	766 (347.45)	0.46 (11.68)
20 (6.09)	1,920 (870.90)	0.83 (21.08)	1,416 (642.29)	0.65 (16.51)	716 (324.77)	0.85 (21.59)	708 (321.14)	0.73 (18.54)	590 (267.62)	0.61 (15.49)
25 (7.62)	1,700 (771.11)	1.03 (26.16)	1,216 (551.57)	1.31 (33.27)	666 (302.09)	1.22 (30.99)	566 (256.73)	1.15 (29.21)	472 (214.10)	0.96 (24.38)
30 (9.14)	1,280 (580.60)	1.71 (43.43)	1,116 (506.21)	1.70 (43.18)	566 (256.73)	1.57 (39.88)	449 (203.66)	1.66 (42.46)	366 (166.02)	1.60 (40.64)
35 (10.67)	880 (399.16)	2.39 (60.71)	566 (256.73)	2.54 (64.52)	341 (154.68)	2.64 (67.06)	261 (118.39)	2.61 (66.29)	196 (88.90)	2.62 (66.55)
40 (12.19)	640 (290.30)	3.41 (86.61)	232 (105.23)	2.81 (71.37)	166 (75.30)	3.08 (78.23)	55 (24.95)	3.28 (83.31)	91 (41.28)	3.29 (83.57)

