

ModTruss 12" Steel 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)	17,859 (8,100.71)	0.01 (0.43)	17,859 (8,100.71)	0.02 (0.69)	8,930 (4,050.58)	0.02 (0.58)	5,953 (2,700.24)	0.022 (0.56)	4,465 (2,025.29)	0.02 (0.51)
10 (3.04)	17,742 (8,047.64)	0.13 (3.43)	12,271 (5,566.03)	0.14 (3.78)	8,871 (4,023.82)	0.18 (4.65)	5,914 (2,682.55)	0.172 (4.37)	4,436 (2,012.14)	0.16 (4.11)
15 (4.57)	16,134 (7,318.26)	0.41 (10.59)	8,067 (3,659.13)	0.33 (8.53)	6,050 (2,744.23)	0.42 (10.85)	4,034 (1,829.79)	0.401 (10.19)	3,361 (1,524.52)	0.42 (10.69)
20 (6.09)	11,884 (5,390.49)	0.74 (18.85)	5,942 (2,695.25)	0.60 (15.24)	4,457 (2,021.66)	0.75 (19.25)	2,971 (1,347.62)	0.714 (18.14)	2,476 (1,123.10)	0.74 (18.99)
25 (7.62)	9,263 (4,201.63)	1.16 (29.46)	4,632 (2,101.04)	0.94 (23.95)	3,474 (1,575.78)	1.18 (30.07)	2,316 (1,050.52)	1.116 (28.35)	1,930 (875.43)	1.16 (29.67)
30 (9.14)	7,493 (3,398.77)	1.67 (42.42)	3,746 (1,699.16)	1.36 (34.72)	2,810 (1,259.19)	1.70 (43.28)	1,873 (849.58)	1.609 (40.87)	1,561 (708.06)	1.68 (42.72)
35 (10.67)	6,171 (2,799.12)	2.27 (57.73)	3,085 (1,399.33)	1.87 (47.68)	2,314 (1,049.61)	2.31 (58.85)	1,543 (699.89)	2.194 (55.73)	1,286 (583.32)	2.28 (58.14)
40 (12.19)	5,168 (2,344.17)	2.96 (75.41)	2,584 (1,172.08)	2.47 (62.84)	1,938 (879.06)	3.02 (76.81)	1,292 (586.04)	2.870 (72.90)	1,077 (488.52)	2.98 (75.92)

ModTruss 12" Steel Truss Load Table

Without 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)	13,779 (6,250.05)	0.01 (0.33)	6,890 (3,125.25)	0.010 (0.25)	5,167 (2,343.71)	0.01 (0.33)	3,445 (1,562.63)	0.13 (3.30)	2,871 (1,302.26)	0.01 (0.33)
10 (3.04)	6,702 (3,039.98)	0.05 (1.32)	3,351 (1,519.99)	0.04 (1.07)	2,513 (1,139.88)	0.05 (1.35)	1,676 (760.22)	0.05 (1.27)	1,396 (633.21)	0.05 (1.32)
15 (4.57)	4,241 (1,923.69)	0.11 (4.50)	2,121 (962.07)	0.09 (2.44)	1,590 (721.21)	0.12 (3.05)	1,060 (480.81)	0.11 (2.87)	884 (400.98)	0.11 (2.99)
20 (6.09)	2,964 (1,344.45)	0.20 (5.28)	1,482 (672.22)	0.17 (4.39)	1,112 (504.39)	0.21 (5.38)	741 (336.11)	0.20 (5.11)	618 (280.32)	0.21 (5.33)
25 (7.62)	2,127 (964.79)	0.32 (8.26)	1,064 (482.62)	0.27 (7.01)	798 (361.97)	0.33 (8.41)	532 (241.31)	0.31 (8.03)	443 (200.94)	0.32 (8.31)
30 (9.14)	1,546 (701.25)	0.46 (11.91)	773 (350.63)	0.40 (10.31)	580 (263.08)	0.47 (12.09)	387 (175.54)	0.45 (13.87)	322 (146.06)	0.47 (11.96)
35 (10.67)	1,074 (487.16)	0.63 (16.21)	537 (243.58)	0.56 (14.45)	403 (182.80)	0.64 (16.41)	268 (121.56)	0.62 (15.85)	224 (101.61)	0.64 (16.28)
40 (12.19)	708 (321.14)	0.83 (21.16)	354 (160.57)	0.76 (19.43)	266 (120.66)	0.84 (21.36)	177 (80.29)	0.82 (20.83)	148 (67.13)	0.83 (21.23)



ModTruss 12" Steel *Laminated* 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)	87,718 (39,788.22)	0.01 (0.46)	50,918 (23,096.02)	0.017 (0.43)	38,259 (17,353.99)	0.02 (0.56)	25,506 (11,569.33)	0.02 (0.51)	21,263 (9,644.73)	0.02 (0.51)
10 (3.04)	50,684 (22,989.88)	0.08 (2.16)	25,342 (11,494.94)	0.06 (1.73)	18,942 (8,591.95)	0.08 (2.18)	12,628 (5,727.96)	0.08 (2.06)	10,538 (4,779.96)	0.08 (2.06)
15 (4.57)	33,335 (15,120.50)	0.19 (4.85)	16,668 (7,560.48)	0.15 (3.91)	12,501 (5,670.36)	0.19 (4.95)	8,334 (3,780.34)	0.18 (4.65)	6,945 (3,150.20)	0.19 (4.83)
20 (6.09)	24,544 (11,132.97)	0.33 (8.61)	12,272 (5,772.87)	0.27 (6.96)	9,204 (4,174.86)	0.34 (8.79)	6,136 (2,783.24)	0.32 (8.28)	5,113 (2,319.22)	0.34 (8.64)
25 (7.62)	19,166 (8,693.55)	0.53 (13.46)	9,583 (4,346.78)	0.43 (10.95)	7,187 (3,259.97)	0.54 (13.74)	4,792 (2,173.62)	0.51 (12.95)	3,993 (1,811.19)	0.53 (13.46)
30 (9.14)	15,495 (7,028.41)	0.76 (19.38)	7,747 (3,513.98)	0.62 (15.88)	5,811 (2,635.83)	0.77 (19.79)	3,874 (1,757.22)	0.73 (18.54)	3,228 (1,464.20)	0.76 (19.30)
35 (10.67)	12,799 (5,805.53)	1.03 (26.39)	6,399 (2,902.54)	0.85 (21.77)	4,799 (2,176.79)	1.05 (26.90)	3,200 (1,451.50)	1.00 (25.40)	2,666 (1,209.28)	1.04 (26.42)
40 (12.19)	10,712 (4,858.88)	1.35 (34.47)	5,356 (2,429.44)	1.13 (28.70)	4,017 (1,822.08)	1.38 (35.10)	2,678 (1,214.72)	1.31 (33.27)	2,232 (1,012.42)	1.36 (34.54)
45 (13.72)	9,032 (4,096.85)	1.71 (43.61)	4,516 (2,048.42)	1.44 (36.70)	3,387 (1,536.32)	1.74 (44.40)	2,258 (1,024.21)	1.66 (42.16)	1,882 (853.66)	1.72 (43.69)
50 (15.24)	7,636 (3,463.63)	2.12 (53.85)	3,818 (1,731.82)	1.80 (45.82)	2,864 (1,299.09)	2.15 (54.74)	1,909 (865.91)	2.05 (52.07)	1,591 (721.67)	2.13 (54.10)
55 (16.76)	6,447 (2,924.31)	2.56 (65.15)	3,224 (1,462.38)	2.21 (56.13)	2,418 (1,096.79)	2.60 (66.17)	1,612 (731.19)	2.49 (63.25)	1,343 (609.17)	2.58 (65.53)
60 (18.29)	5,413 (2,455.30)	3.05 (77.55)	2,707 (1,227.88)	2.66 (67.72)	2,030 (920.79)	3.09 (78.64)	1,353 (613.71)	2.97 (75.44)	1,128 (511.65)	3.06 (77.72)
65 (19.81)	4,499 (2,040.71)	3.58 (91.01)	2,249 (1,020.13)	3.17 (80.62)	1,687 (765.21)	3.62 (92.18)	1,125 (510.29)	3.50 (88.90)	937 (425.02)	3.60 (91.44)
70 (21.34)	3,678 (1,668.31)	4.15 (105.56)	1,839 (834.16)	3.73 (94.95)	1,379 (625.50)	4.20 (106.73)	920 (417.31)	4.07 (103.38)	766 (347.45)	4.17 (105.92)

12" Steel Truss (unbraced length) Column Load Capacity	
10'	98,370 lbs
20'	90,370 lbs
30'	79,200 lbs

