

ModTruss 6" x 12" Extrusion Load Table
With Splice (SPLICE BAR)

Span	Uniformly Distributed Load		Center Point Load		Third Point Load <i>Total Load = Point Load x 2</i>		Quarter Point Load <i>Total Load = Point Load x 3</i>		Fifth Point Load <i>Total Load = Point Load x 4</i>	
	Span Feet <i>(Meters)</i>	Total Load Pounds <i>(kgs)</i>	Deflection Inches <i>(mm)</i>	Point Load Pounds <i>(kgs)</i>	Deflection Inches <i>(mm)</i>	Point Load Pounds <i>(kgs)</i>	Deflection Inches <i>(mm)</i>	Point Load Pounds <i>(kgs)</i>	Deflection Inches <i>(mm)</i>	Point Load Pounds <i>(kgs)</i>
5 <i>(1.52)</i>	7,405 <i>(3358.85)</i>	0.01 <i>(0.25)</i>	7,406 <i>(3359.31)</i>	0.02 <i>(0.51)</i>	3,703 <i>(1679.65)</i>	0.01 <i>(0.25)</i>	2,469 <i>(1119.92)</i>	0.01 <i>(0.25)</i>	1,851 <i>(839.6)</i>	0.01 <i>(0.25)</i>
10 <i>(3.04)</i>	7,330 <i>(3324.83)</i>	0.08 <i>(2.03)</i>	5,431 <i>(2463.46)</i>	0.09 <i>(2.29)</i>	3,663 <i>(1661.51)</i>	0.10 <i>(2.54)</i>	2,442 <i>(1107.67)</i>	0.10 <i>(2.54)</i>	1,832 <i>(830.98)</i>	0.09 <i>(2.29)</i>
15 <i>(4.57)</i>	7,110 <i>(3225.04)</i>	0.25 <i>(6.35)</i>	3,555 <i>(1612.52)</i>	0.20 <i>(5.08)</i>	2,667 <i>(1209.73)</i>	0.26 <i>(6.6)</i>	1,777 <i>(806.03)</i>	0.24 <i>(6.1)</i>	1,481 <i>(671.77)</i>	0.25 <i>(6.35)</i>
20 <i>(6.09)</i>	5,200 <i>(2358.68)</i>	0.44 <i>(11.18)</i>	2,597 <i>(1177.98)</i>	0.36 <i>(9.14)</i>	1,948 <i>(883.6)</i>	0.46 <i>(11.68)</i>	1,298 <i>(588.76)</i>	0.43 <i>(10.92)</i>	1,082 <i>(490.79)</i>	0.45 <i>(11.43)</i>
25 <i>(7.62)</i>	4,000 <i>(1814.37)</i>	0.69 <i>(17.53)</i>	2,006 <i>(909.91)</i>	0.57 <i>(14.48)</i>	1,505 <i>(682.66)</i>	0.71 <i>(18.03)</i>	1,003 <i>(454.95)</i>	0.67 <i>(17.02)</i>	836 <i>(379.2)</i>	0.70 <i>(17.78)</i>
30 <i>(9.14)</i>	3,210 <i>(1456.03)</i>	0.99 <i>(25.15)</i>	1,599 <i>(725.29)</i>	0.83 <i>(21.08)</i>	1,199 <i>(543.86)</i>	1.03 <i>(26.16)</i>	800 <i>(362.87)</i>	0.96 <i>(24.38)</i>	666 <i>(302.09)</i>	1.00 <i>(25.4)</i>
35 <i>(10.67)</i>	2,590 <i>(1174.8)</i>	1.35 <i>(34.29)</i>	1,297 <i>(588.31)</i>	1.14 <i>(28.96)</i>	973 <i>(441.35)</i>	1.39 <i>(35.31)</i>	649 <i>(294.38)</i>	1.31 <i>(33.27)</i>	541 <i>(245.39)</i>	1.36 <i>(34.54)</i>
40 <i>(12.19)</i>	2,120 <i>(961.62)</i>	1.77 <i>(44.96)</i>	1,061 <i>(481.26)</i>	1.50 <i>(38.1)</i>	796 <i>(361.06)</i>	1.82 <i>(46.23)</i>	530 <i>(240.4)</i>	1.71 <i>(43.43)</i>	442 <i>(200.49)</i>	1.78 <i>(45.21)</i>
45 <i>(13.72)</i>	1,755 <i>(796.05)</i>	2.24 <i>(56.9)</i>	868 <i>(393.72)</i>	1.93 <i>(49.02)</i>	651 <i>(295.29)</i>	2.30 <i>(58.42)</i>	434 <i>(196.86)</i>	2.17 <i>(55.12)</i>	362 <i>(164.2)</i>	2.25 <i>(57.15)</i>
50 <i>(15.24)</i>	1,400 <i>(635.03)</i>	2.76 <i>(70.1)</i>	706 <i>(320.24)</i>	2.42 <i>(61.47)</i>	530 <i>(240.4)</i>	2.83 <i>(71.88)</i>	353 <i>(160.12)</i>	2.69 <i>(68.33)</i>	294 <i>(133.36)</i>	2.78 <i>(70.61)</i>
55 <i>(16.76)</i>	1,155 <i>(523.9)</i>	3.34 <i>(84.84)</i>	566 <i>(256.73)</i>	2.98 <i>(75.69)</i>	425 <i>(192.78)</i>	3.41 <i>(86.61)</i>	283 <i>(128.37)</i>	3.27 <i>(83.06)</i>	236 <i>(107.05)</i>	3.36 <i>(85.34)</i>
60 <i>(18.28)</i>	900 <i>(408.23)</i>	3.98 <i>(101.09)</i>	443 <i>(200.94)</i>	3.61 <i>(91.69)</i>	323 <i>(146.51)</i>	3.99 <i>(101.35)</i>	222 <i>(100.7)</i>	3.90 <i>(99.06)</i>	185 <i>(83.91)</i>	3.99 <i>(101.35)</i>

ModTruss 6" x 12" Extrusion Load Table

Without Splice

ModTruss 6" x 12" <u>Extrusion</u> Load Table										
Without Splice										
Span	Uniformly Distributed Load		Center Point Load		Third Point Load <i>Total Load = Point Load x 2</i>		Quarter Point Load <i>Total Load = Point Load x 3</i>		Fifth Point Load <i>Total Load = Point Load x 4</i>	
	Span Feet <i>(Meters)</i>	Total Load Pounds <i>(kgs)</i>	Deflection Inches <i>(mm)</i>	Point Load Pounds <i>(kgs)</i>	Deflection Inches <i>(mm)</i>	Point Load Pounds <i>(kgs)</i>	Deflection Inches <i>(mm)</i>	Point Load Pounds <i>(kgs)</i>	Deflection Inches <i>(mm)</i>	Point Load Pounds <i>(kgs)</i>
5 <i>(1.52)</i>	63,225 <i>(28678.38)</i>	0.08 <i>(2.03)</i>	45,217 <i>(20510.09)</i>	0.09 <i>(2.29)</i>	31,612 <i>(14338.96)</i>	0.11 <i>(2.79)</i>	21,075 <i>(9559.46)</i>	0.10 <i>(2.54)</i>	15,806 <i>(7169.48)</i>	0.10 <i>(2.54)</i>
10 <i>(3.04)</i>	45,100 <i>(20457.02)</i>	0.45 <i>(11.43)</i>	22,549 <i>(10228.05)</i>	0.37 <i>(9.4)</i>	16,912 <i>(7671.15)</i>	0.11 <i>(2.79)</i>	11,275 <i>(5114.25)</i>	0.44 <i>(11.18)</i>	9,395 <i>(4261.5)</i>	0.46 <i>(11.68)</i>
15 <i>(4.57)</i>	29,370 <i>(13322.01)</i>	1.00 <i>(25.4)</i>	18,175 <i>(8244.04)</i>	1.00 <i>(25.4)</i>	10,548 <i>(4784.49)</i>	1.00 <i>(25.4)</i>	7,634 <i>(3462.72)</i>	1.00 <i>(25.4)</i>	6,059 <i>(2748.32)</i>	1.00 <i>(25.4)</i>
20 <i>(6.09)</i>	16,340 <i>(7411.7)</i>	1.34 <i>(34.04)</i>	10,110 <i>(4585.82)</i>	1.33 <i>(33.78)</i>	5,867 <i>(2661.23)</i>	1.33 <i>(33.78)</i>	4,247 <i>(1926.41)</i>	1.33 <i>(33.78)</i>	3,370 <i>(1528.61)</i>	1.33 <i>(33.78)</i>
25 <i>(7.62)</i>	10,250 <i>(4649.32)</i>	1.67 <i>(42.42)</i>	6,351 <i>(2880.77)</i>	1.67 <i>(42.42)</i>	3,685 <i>(1671.49)</i>	1.67 <i>(42.42)</i>	2,668 <i>(1210.18)</i>	1.67 <i>(42.42)</i>	2,117 <i>(960.26)</i>	1.67 <i>(42.42)</i>
30 <i>(9.14)</i>	6,930 <i>(3143.4)</i>	2.00 <i>(50.8)</i>	4,286 <i>(1944.1)</i>	2.00 <i>(50.8)</i>	2,487 <i>(1128.08)</i>	2.00 <i>(50.8)</i>	1,800 <i>(816.47)</i>	2.00 <i>(50.8)</i>	1,429 <i>(648.18)</i>	2.00 <i>(50.8)</i>
35 <i>(10.67)</i>	4,900 <i>(2222.6)</i>	2.34 <i>(59.44)</i>	3,022 <i>(1370.76)</i>	2.34 <i>(59.44)</i>	1,754 <i>(795.6)</i>	2.34 <i>(59.44)</i>	1,269 <i>(575.61)</i>	2.34 <i>(59.44)</i>	1,007 <i>(456.77)</i>	2.34 <i>(59.44)</i>
40 <i>(12.19)</i>	3,520 <i>(1596.65)</i>	2.67 <i>(67.82)</i>	2,184 <i>(990.65)</i>	2.67 <i>(67.82)</i>	1,267 <i>(574.7)</i>	2.67 <i>(67.82)</i>	917 <i>(415.94)</i>	2.67 <i>(67.82)</i>	728 <i>(330.22)</i>	2.67 <i>(67.82)</i>
45 <i>(13.72)</i>	2,565 <i>(1163.46)</i>	3.00 <i>(76.2)</i>	1,594 <i>(723.03)</i>	3.00 <i>(76.2)</i>	925 <i>(419.57)</i>	3.00 <i>(76.2)</i>	670 <i>(303.91)</i>	3.00 <i>(76.2)</i>	531 <i>(240.86)</i>	3.00 <i>(76.2)</i>
50 <i>(15.24)</i>	1,850 <i>(839.15)</i>	3.34 <i>(84.84)</i>	1,158 <i>(525.26)</i>	3.34 <i>(84.84)</i>	672 <i>(304.81)</i>	3.34 <i>(84.84)</i>	487 <i>(220.9)</i>	3.34 <i>(84.84)</i>	386 <i>(175.09)</i>	3.34 <i>(84.84)</i>
55 <i>(16.76)</i>	1,320 <i>(598.74)</i>	3.67 <i>(93.22)</i>	823 <i>(373.31)</i>	3.67 <i>(93.22)</i>	478 <i>(216.82)</i>	3.67 <i>(93.22)</i>	346 <i>(156.94)</i>	3.67 <i>(93.22)</i>	274 <i>(124.28)</i>	3.67 <i>(93.22)</i>
60 <i>(18.28)</i>	900 <i>(408.23)</i>	4.00 <i>(101.6)</i>	556 <i>(252.2)</i>	4.00 <i>(101.6)</i>	323 <i>(146.51)</i>	4.00 <i>(101.6)</i>	234 <i>(106.14)</i>	4.00 <i>(101.6)</i>	185 <i>(83.91)</i>	4.00 <i>(101.6)</i>

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

Span	Uniformly Distributed Load		Center Point Load		Third Point Load <i>Total Load = Point Load x 2</i>		Quarter Point Load <i>Total Load = Point Load x 3</i>		Fifth Point Load <i>Total Load = Point Load x 4</i>	
	Span Feet (Meters)	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)
5 (1.52)	63,225 (28678.38)	0.08 (2.03)	45,217 (20510.09)	0.09 (2.29)	31,612 (14338.96)	0.11 (2.79)	21,075 (9559.46)	0.10 (2.54)	15,806 (7169.48)	0.10 (2.54)
10 (3.04)	45,100 (20457.02)	0.45 (11.43)	22,549 (10228.05)	0.37 (9.4)	16,912 (7671.15)	0.11 (2.79)	11,275 (5114.25)	0.44 (11.18)	9,395 (4261.5)	0.46 (11.68)
15 (4.57)	29,370 (13322.01)	0.87 (22.1)	18,175 (8244.04)	0.87 (22.1)	10,548 (4784.49)	0.87 (22.1)	7,634 (3462.72)	0.87 (22.1)	6,059 (2748.32)	0.87 (22.1)
20 (6.09)	16,340 (7411.7)	1.34 (34.04)	10,110 (4585.82)	1.33 (33.78)	5,867 (2661.23)	1.33 (33.78)	4,247 (1926.41)	1.33 (33.78)	3,370 (1528.61)	1.33 (33.78)
25 (7.62)	10,250 (4649.32)	1.67 (42.42)	6,351 (2880.77)	1.67 (42.42)	3,685 (1671.49)	1.67 (42.42)	2,668 (1210.18)	1.67 (42.42)	2,117 (960.26)	1.67 (42.42)
30 (9.14)	6,930 (3143.4)	2.00 (50.8)	4,286 (1944.1)	2.00 (50.8)	2,487 (1128.08)	2.00 (50.8)	1,800 (816.47)	2.00 (50.8)	1,429 (648.18)	2.00 (50.8)
35 (10.67)	4,900 (2222.6)	2.34 (59.44)	3,022 (1370.76)	2.34 (59.44)	1,754 (795.6)	2.34 (59.44)	1,269 (575.61)	2.34 (59.44)	1,007 (456.77)	2.34 (59.44)
40 (12.19)	3,520 (1596.65)	2.67 (67.82)	2,184 (990.65)	2.67 (67.82)	1,267 (574.7)	2.67 (67.82)	917 (415.94)	2.67 (67.82)	728 (330.22)	2.67 (67.82)
45 (13.72)	2,565 (1163.46)	3.00 (76.2)	1,594 (723.03)	3.00 (76.2)	925 (419.57)	3.00 (76.2)	670 (303.91)	3.00 (76.2)	531 (240.86)	3.00 (76.2)
50 (15.24)	1,850 (839.15)	3.34 (84.84)	1,158 (525.26)	3.34 (84.84)	672 (304.81)	3.34 (84.84)	487 (220.9)	3.34 (84.84)	386 (175.09)	3.34 (84.84)
55 (16.76)	1,320 (598.74)	3.67 (93.22)	823 (373.31)	3.67 (93.22)	478 (216.82)	3.67 (93.22)	346 (156.94)	3.67 (93.22)	274 (124.28)	3.67 (93.22)
60 (18.28)	900 (408.23)	4.00 (101.6)	556 (252.2)	4.00 (101.6)	323 (146.51)	4.00 (101.6)	234 (106.14)	4.00 (101.6)	185 (83.91)	4.00 (101.6)