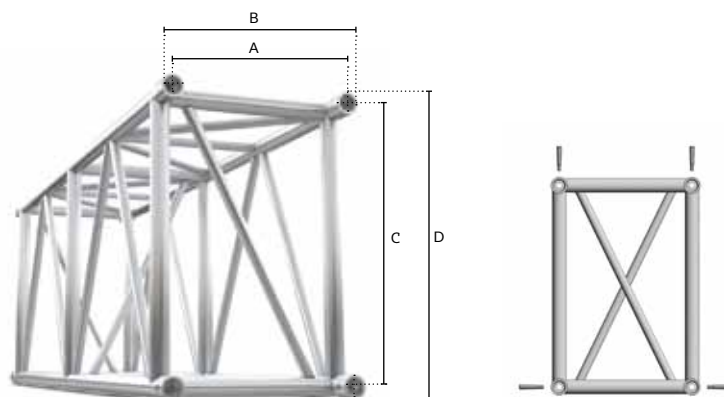




M760

- High-capacity M760 series truss range
- Super-sized conical connections for maximum rigidity
- User-friendly tapered pin holes for ease of assembly
- Great free-span & loading characteristics (up to 30m / 98.43 ft)
- Connection kit supplied with every truss length & junction
- Compatible with 200/400/500/600 series cell clamps
- Powder coat colour finish available on request

RECT



M760

	Main Chords	Diagonals	Horizontal Braces	Alloy	A	B	C	D	Coupler
RTP	50x4 (2x0.16)	30x3 (1.18x0.12)	50x4 (2x0.16)	EN - AW 6082 T6	470 (18.50)	529 (20.83)	712 (28.03)	762 (30.00)	CCO

M760 RTP RECT

LOADING CHART

Span	m (ft)	6.00 (19.69)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	14.00 (45.93)	16.00 (52.49)
Point load	kg (lbs)	4279.70 (9435.11)	3238.20 (7139.00)	2557.50 (5638.32)	2097.60 (4624.41)	1763.90 (3888.73)	1509.00 (3326.77)
Deflection	mm (in)	9.40 (0.37)	17.00 (0.67)	26.70 (1.05)	38.70 (1.52)	53.00 (2.09)	69.80 (2.75)
Two point load	kg (lbs)	2139.90 (4717.67)	2121.50 (4677.10)	1918.20 (4228.90)	1573.20 (3468.31)	1322.90 (2916.49)	1131.80 (2495.19)
Deflection	mm (in)	8.00 (0.31)	18.90 (0.74)	33.80 (1.33)	48.70 (1.92)	66.40 (2.61)	86.80 (3.42)
Three point load	kg (lbs)	1426.60 (3145.11)	1414.30 (3117.99)	1278.80 (2819.27)	1048.80 (2312.21)	882.00 (1944.47)	754.50 (1663.39)
Deflection	mm (in)	7.40 (0.29)	17.60 (0.69)	31.50 (1.24)	45.40 (1.79)	62.00 (2.44)	81.30 (3.20)
Four point load	kg (lbs)	1069.90 (2358.72)	1060.80 (2338.66)	1051.60 (2318.38)	874.00 (1926.84)	735.00 (1620.40)	628.80 (1386.27)
Deflection	mm (in)	7.10 (0.28)	16.80 (0.66)	32.90 (1.30)	48.00 (1.89)	65.50 (2.58)	85.70 (3.37)
Distrib. loading	kg (lbs)	713.30 (1566.32)	530.40 (1168.41)	420.60 (928.63)	347.50 (767.51)	252.00 (557.34)	188.60 (418.73)
Deflection	mm (in)	5.90 (0.23)	14.00 (0.55)	27.40 (1.08)	47.40 (1.87)	65.00 (2.56)	85.10 (3.35)

Span	18.00 (59.06)	20.00 (65.62)	22.00 (72.18)	24.00 (78.74)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)
Point load	1306.70 (2880.78)	1141.20 (2515.91)	1002.40 (2209.91)	883.70 (1948.22)	780.40 (1720.49)	689.30 (1519.64)	607.90 (1340.19)
Deflection	89.10 (3.51)	111.00 (4.37)	135.80 (5.35)	163.50 (6.44)	194.30 (7.65)	228.30 (8.99)	265.80 (10.46)
Two point load	980.00 (2160.53)	855.90 (1886.93)	751.80 (1657.43)	662.80 (1461.22)	585.30 (1290.36)	517.00 (1139.79)	455.90 (1005.09)
Deflection	110.10 (4.33)	136.20 (5.36)	165.30 (6.51)	197.20 (7.76)	232.20 (9.14)	270.10 (10.63)	311.10 (12.25)
Three point load	653.30 (1440.28)	570.60 (1257.96)	501.20 (1104.96)	441.80 (974.00)	390.20 (860.24)	344.60 (759.71)	303.90 (669.98)
Deflection	103.30 (4.07)	128.10 (5.04)	155.70 (6.13)	186.30 (7.33)	219.80 (8.65)	256.50 (10.10)	296.40 (11.67)
Four point load	544.50 (1200.42)	475.50 (1048.30)	417.70 (920.87)	368.20 (811.74)	325.20 (716.94)	287.20 (633.17)	253.30 (558.43)
Deflection	108.80 (4.28)	134.60 (5.30)	163.40 (6.43)	195.10 (7.68)	229.70 (9.04)	267.40 (10.53)	308.20 (12.13)
Distrib. loading	145.20 (322.57)	114.10 (253.67)	91.10 (201.22)	73.60 (163.46)	60.00 (133.29)	49.20 (109.06)	40.50 (90.27)
Deflection	108.00 (4.25)	133.70 (5.26)	162.30 (6.39)	193.90 (7.63)	228.40 (8.99)	265.90 (10.47)	306.60 (12.07)

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	3.50 (11.48)	4.00 (13.12)
RECT	kg (lbs)	22.60 (49.89)	33.30 (73.5)	37.10 (81.84)	47.80 (105.4)	51.50 (113.65)	62.20 (137.22)	65.90 (145.4)

Connection material (pins/clips/couplers) and packaging are not included in above weights



Point load

Two point load

Three point load

Four point load

Distributed point load

All truss loading calculations and TUV certifications are based on:

Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 all loading data should be multiplied by 0.85 • For any other application or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used – self weight 1.35 / loading 1.5