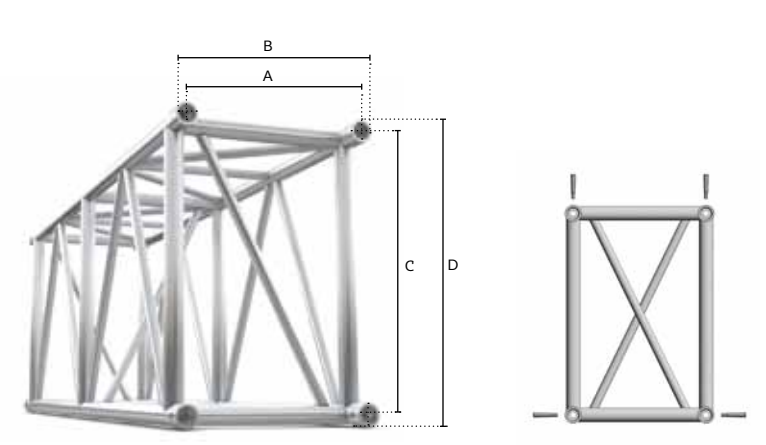
M760

- 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 32m/ 104,98 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

RTP (mm / in)

Main Chords	Diagonals	Horizontal Braces	Alloy	A	B	C	D	Coupler
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)	8.00	(26.25)	10.00	(32.81)	12.00	(39.37)	14.00	(45.93)	16.00	(52.49)	18.00	(59.06)
Centre Point Load (CPL)	kg (lbs)	3238.20	(7139.00)	2557.50	(5638.32)	2097.60	(4624.41)	1763.90	(3888.73)	1509.00	(3326.77)	1306.70	(2880.78)
Deflection	mm (in)	17.00	(0.67)	26.70	(1.05)	38.70	(1.52)	53.00	(2.09)	69.80	(2.75)	89.10	(3.51)
Third Point Load (TPL)	kg (lbs)	2121.50	(4677.10)	1918.20	(4228.90)	1573.20	(3468.31)	1322.90	(2916.49)	1131.80	(2495.19)	980.00	(2160.53)
Deflection	mm (in)	18.90	(0.74)	33.80	(1.33)	48.70	(1.92)	66.40	(2.61)	86.80	(3.42)	110.10	(4.33)
Quarter Point Load (QPL)	kg (lbs)	1414.30	(3117.99)	1278.80	(2819.27)	1048.80	(2312.21)	882.00	(1944.47)	754.50	(1663.39)	653.30	(1440.28)
Deflection	mm (in)	17.60	(0.69)	31.50	(1.24)	45.40	(1.79)	62.00	(2.44)	81.30	(3.20)	103.30	(4.07)
Fifth Point Load (FPL)	kg (lbs)	1060.80	(2338.66)	1051.60	(2318.38)	874.00	(1926.84)	735.00	(1620.40)	628.80	(1386.27)	544.50	(1200.42)
Deflection	mm (in)	16.80	(0.66)	32.90	(1.30)	48.00	(1.89)	65.50	(2.58)	85.70	(3.37)	108.80	(4.28)
Uniformly Distributed Load (UDL)	kg (lbs)	530.40	(356.41)	420.60	(282.63)	347.50	(233.51)	252.00	(169.34)	188.60	(126.73)	145.20	(97.57)
Deflection	mm (in)	14.00	(0.55)	27.40	(1.08)	47.40	(1.87)	65.00	(2.56)	85.10	(3.35)	108.00	(4.25)

Span	20.00	(65.62)	22.00	(72.18)	24.00	(78.74)	26.00	(85.30)	28.00	(91.86)	30.00	(98.43)	32.00	(104.98)
Centre Point Load (CPL)	1141.20	(2515.91)	1002.40	(2209.91)	883.70	(1948.22)	780.40	(1720.49)	689.30	(1519.64)	607.90	(1340.19)	534.30	(1177.93)
Deflection	111.00	(4.37)	135.80	(5.35)	163.50	(6.44)	194.30	(7.65)	228.30	(8.99)	265.80	(10.46)	306.90	(12.08)
Third Point Load (TPL)	855.90	(1886.93)	751.80	(1657.43)	662.80	(1461.22)	585.30	(1290.36)	517.00	(1139.79)	455.90	(1005.09)	400.70	(883.39)
Deflection	136.20	(5.36)	165.30	(6.51)	197.20	(7.76)	232.20	(9.14)	270.10	(10.63)	311.10	(12.25)	355.30	(13.99)
Quarter Point Load (QPL)	570.60	(1257.96)	501.20	(1104.96)	441.80	(974.00)	390.20	(860.24)	344.60	(759.71)	303.90	(669.98)	267.20	(589.08)
Deflection	128.10	(5.04)	155.70	(6.13)	186.30	(7.33)	219.80	(8.65)	256.50	(10.10)	296.40	(11.67)	339.60	(13.37)
Fifth Point Load (FPL)	475.50	(10 48.30)	417.70	(920.87)	368.20	(811.74)	325.20	(716.94)	287.20	(633.17)	253.30	(558.43)	222.60	(490.75)
Deflection	134.60	(5.30)	163.40	(6.43)	195.10	(7.68)	229.70	(9.04)	267.40	(10.53)	308.20	(12.13)	352.20	(13.87)
Uniformly Distributed Load (UDL)	114.10	(76.67)	91.10	(61.22)	73.60	(49.46)	60.00	(40.32)	49.20	(33.06)	40.50	(27.21)	33.40	(73.63)
Deflection	133.70	(5.26)	162.30	(6.39)	193.90	(7.63)	228.40	(8.99)	265.90	(10.47)	306.60	(12.07)	350.40	(13.80)

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

CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)

All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural analysis based on EN 1999 • All loading data should be multiplied by 0.85 to comply with BS 7905-2 and ANSI E1.2-2006 • For any other application, or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used: self-weight 1.35 / variable loads 1.5