



Flexibility Behind Your Show

Product Catalogue
14th edition

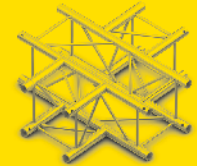
4 Aluminium trusses



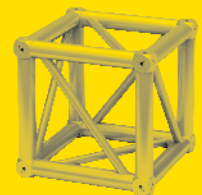
34 Steel trusses



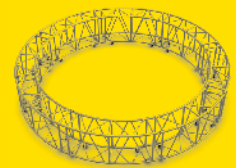
48 Junctions



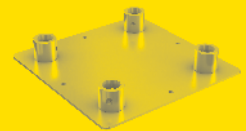
58 Multicubes



64 Circles



70 Truss accessories



86 Cell clamps and frames



98 Towers



118 LED screen structures



132 Roofs



166 Rigging accessories



170 Crowd barriers



www.milossystems.com

Aluminium trusses

Connecting

the world

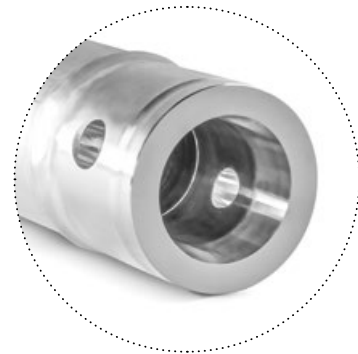
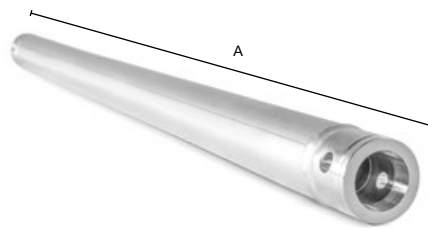




Use QR code
for full range

M100

- Stylish, modular pipe & drape solution
- Single tube, quick-connection construction
- Versatile "node cube" with pre-set location positions
- Stand-alone or integrated within truss structures
- Connection kit supplied with every welded tube
- Compatible with 200/400/500/600 series cell clamps
- Powder-coated colour finish available on request



M100

Main tubes	mm	in	50×2 (2×0.08)
Alloy			EN - AW 6082 T6

STANDARD LENGTHS AND WEIGHTS AVAILABLE

M100	m	ft	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)
	kg	lbs	0.70 (1.67)	1.10 (2.58)	1.60 (3.52)	2.00 (4.40)	2.40 (5.29)	2.80 (6.20)

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

M100

LOADING CHART

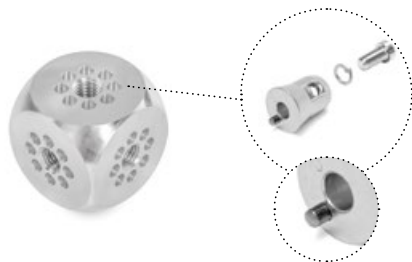
M100	Span	Beam on two supports						(Continuous tube without any modifications)				
		m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)				
	Centre Point Load (CPL)	kg (lbs)	429.00 (945.78)	214.00 (471.79)	142.00 (313.05)	106.00 (233.69)	85.00 (187.39)	70.00 (154.32)				
	Deflection	mm (in)	2.00 (0.08)	7.00 (0.28)	16.00 (0.63)	29.00 (1.14)	45.00 (1.78)	65.00 (2.56)				
	Third Point Load (TPL)	kg (lbs)	322.00 (709.88)	160.00 (352.73)	107.00 (235.89)	80.00 (176.36)	63.00 (138.89)	52.00 (114.64)				
	Deflection	mm (in)	2.00 (0.08)	9.00 (0.35)	21.00 (0.82)	37.00 (1.46)	58.00 (2.28)	83.00 (3.27)				
	Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1719.00 (1155.00)	429.00 (288.00)	190.00 (127.50)	106.00 (71.00)	68.00 (45.50)	47.00 (31.50)				
	Deflection	mm (in)	2.00 (0.08)	9.00 (0.35)	20.00 (0.79)	36.00 (1.42)	56.00 (2.20)	81.00 (3.19)				

		Cantilever									
Point load at the end	kg (lbs)	107.00 (235.89)	53.00 (116.84)	35.00 (77.16)	26.00 (57.32)	21.00 (46.29)	17.00 (37.47)				
Deflection	mm (in)	7.00 (0.28)	29.00 (1.14)	66.00 (2.60)	117.00 (4.60)	185.00 (7.28)	269.00 (10.59)				

M100	Span	Beam on two supports						(Tube with one connector at any point of the length)				
		m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)				
	Centre Point Load (CPL)	kg (lbs)	224.00 (493.85)	112.00 (246.92)	74.00 (163.14)	55.00 (121.25)	44.00 (97.00)	36.00 (79.37)				
	Deflection	mm (in)	1.00 (0.04)	4.00 (0.16)	9.00 (0.35)	15.00 (0.59)	24.00 (0.94)	34.00 (1.34)				
	Third Point Load (TPL)	kg (lbs)	168.00 (370.38)	84.00 (185.19)	55.00 (121.25)	41.00 (90.39)	33.00 (72.75)	27.00 (61.73)				
	Deflection	mm (in)	1.00 (0.04)	5.00 (0.19)	11.00 (0.43)	19.00 (0.75)	30.00 (1.18)	43.00 (1.69)				
	Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	898.00 (603.00)	224.00 (150.50)	99.00 (66.50)	55.00 (37.00)	35.00 (23.50)	24.00 (16.00)				
	Deflection	mm (in)	2.00 (0.08)	5.00 (0.19)	7.00 (0.28)	10.00 (0.39)	12.00 (0.47)	15.00 (0.59)				

		Cantilever									
Point load at the end	kg (lbs)	56.00 (123.46)	28.00 (61.73)	18.00 (39.68)	13.00 (28.66)	11.00 (24.25)	9.00 (19.84)				
Deflection	mm (in)	4.00 (0.16)	15.00 (0.59)	35.00 (1.38)	62.00 (2.44)	99.00 (3.90)	145.00 (5.70)				

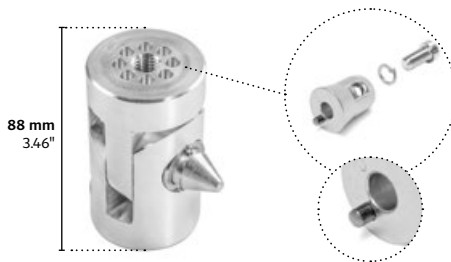




CUBEB-UNI

Series	kg	lbs
M100	0.27	(0.60)

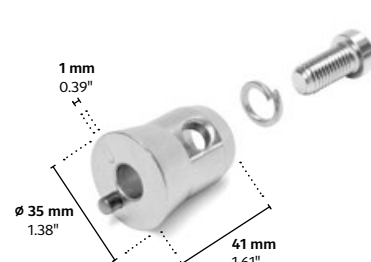
Universal multiconnection cube that is 360° adjustable



HINGEQB-UNI

Series	kg	lbs
M100	0.49	(1.08)

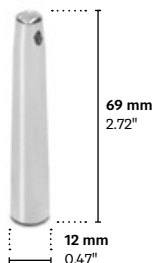
Universal hinge



CON63B|MalePin

Series	kg	lbs
M100	0.17	(0.37)

Male fitting for CUBEB-UNI, HINGEQB-UNI, equipped with locating pin
Supplied with washer and M12x25 bolt.
F- and U -compatible version.



PB|Pin

Series	kg	lbs
M100	0.02	(0.04)

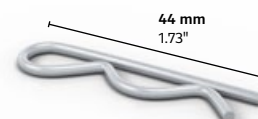
Pin B



PBM8Set

Series	kg	lbs
M100	0.02	(0.04)

Pin B with thread M8
Supplied with washer and nyloc nut.



SRPB

Series	kg	lbs
M100	0.002	(0.004)

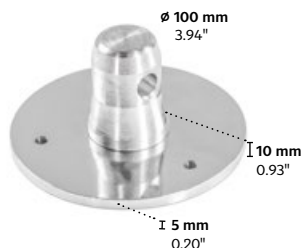
Safety R-clip B
M222/M290/M390 truss.



CCB

Series	kg	lbs
M100	0.11	(0.24)

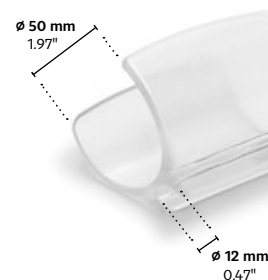
M290B conical connector
F- and U-compatible versions available.



BBPSC|Male

Series	kg	lbs
M100	0.19	(0.42)

M100 single base plate with half connector
F- and U-compatible versions available.



CL50|CLEAR

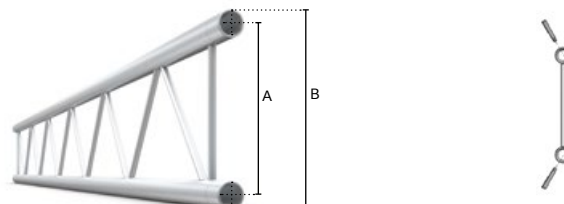
Series	kg	lbs
M100	0.003	(0.007)

Clip 50
Banner attachment for tube d = 50 mm (2"). Colour: clear.
Not compatible with 48-mm (1.89") tubes.

M222 Regular

- Compact display series system
- Lightweight, modular construction
- Fast connection for quick, simple and secure assembly
- Impressive free-span characteristics for its size
- Connection kit supplied with every truss length or junction
- Compatible with 130 series cell clamps
- Powder-coated colour finish available on request

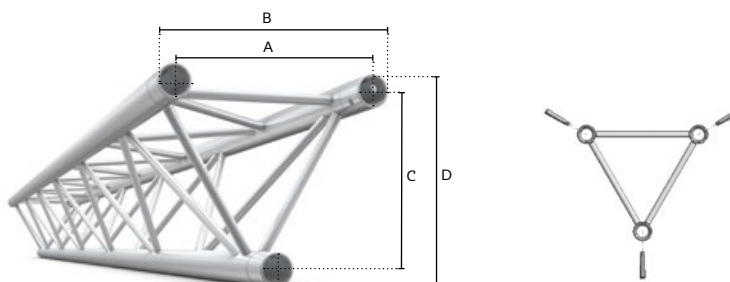
DUO



M222

BTM	mm	in	Main chords	Diagonals	Alloy	A	B	Connector
			32×1.5 (1.26×0.06)	10×1.5 (0.39×0.06)	EN - AW 6060 T66	190 (7.48)	222 (8.74)	CCM

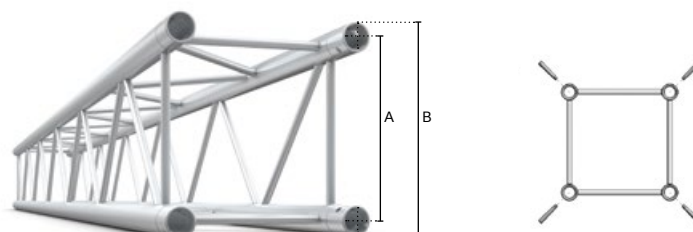
TRIO



M222

STM	mm	in	Main chords	Diagonals	Alloy	A	B	C	D	Connector
			32×1.5 (1.26×0.06)	10×1.5 (0.39×0.06)	EN - AW 6060 T66	190 (7.48)	222 (8.74)	164 (6.46)	196 (7.72)	CCM

QUATRO



M222

QTM	mm	in	Main chords	Diagonals	Alloy	A	B	Connector
			32×1.5 (1.26×0.06)	10×1.5 (0.39×0.06)	EN - AW 6060 T66	190 (7.48)	222 (8.74)	CCM

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)
DUO	kg (lbs)	0.60 (1.33)	1.10 (2.43)	1.60 (3.53)	2.10 (4.63)	2.40 (5.30)	2.90 (6.39)	3.80 (8.38)
TRIO	kg (lbs)	1.00 (2.21)	2.00 (4.41)	2.70 (5.95)	3.40 (7.49)	4.20 (9.26)	5.00 (11.02)	6.50 (14.33)
QUATRO	kg (lbs)	1.40 (3.09)	2.40 (5.29)	3.40 (7.49)	4.50 (9.92)	5.50 (12.13)	6.60 (14.55)	8.70 (19.18)

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

M222 DUO

LOADING CHART

Span	m (ft)	2.00 (6.56)	3.00 (9.84)	4.00 (13.12)	5.00 (16.40)	6.00 (19.69)	7.00 (22.97)	8.00 (26.25)
Centre Point Load (CPL)	kg (lbs)	233.00 (513.68)	172.80 (380.96)	128.80 (283.96)	102.20 (225.31)	84.30 (185.85)	71.40 (157.41)	61.70 (136.03)
Deflection	mm (in)	2.10 (0.08)	5.20 (0.20)	9.30 (0.37)	14.60 (0.57)	21.20 (0.83)	28.90 (1.14)	38.00 (1.50)
Third Point Load (TPL)	kg (lbs)	129.60 (285.72)	118.00 (260.15)	96.60 (212.97)	76.70 (169.09)	63.30 (139.55)	53.60 (118.17)	46.20 (101.85)
Deflection	mm (in)	2.00 (0.08)	6.10 (0.24)	11.90 (0.47)	18.60 (0.73)	26.80 (1.06)	36.50 (1.44)	47.70 (1.88)
Quarter Point Load (QPL)	kg (lbs)	86.40 (190.48)	86.10 (189.82)	64.40 (141.98)	51.10 (112.66)	42.20 (93.03)	35.70 (78.70)	30.80 (67.90)
Deflection	mm (in)	1.80 (0.07)	6.20 (0.24)	11.10 (0.44)	17.30 (0.68)	25.00 (0.98)	34.00 (1.34)	44.50 (1.75)
Fifth Point Load (FPL)	kg (lbs)	64.80 (142.86)	64.60 (142.42)	53.70 (118.39)	42.60 (93.92)	35.10 (77.38)	29.80 (65.70)	25.70 (56.66)
Deflection	mm (in)	1.80 (0.07)	5.90 (0.23)	11.70 (0.46)	18.30 (0.72)	26.40 (1.04)	36.00 (1.42)	47.10 (1.85)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	129.60 (87.09)	86.10 (57.86)	64.30 (43.21)	40.90 (27.48)	28.10 (18.88)	20.40 (13.71)	15.40 (10.35)
Deflection	mm (in)	1.50 (0.06)	4.90 (0.19)	11.60 (0.46)	18.20 (0.72)	26.20 (1.03)	35.70 (1.41)	46.70 (1.84)

DUO figures are based on use in vertical mode and with stabilisation every 1 m (3.28 ft)

M222 TRIO

LOADING CHART

Span	m (ft)	2.00 (6.56)	3.00 (9.84)	4.00 (13.12)	5.00 (16.40)	6.00 (19.69)	7.00 (22.97)	8.00 (26.25)
Centre Point Load (CPL)	kg (lbs)	222.00 (489.43)	148.50 (327.39)	110.00 (242.51)	86.60 (190.92)	70.70 (155.87)	59.20 (130.51)	50.30 (110.89)
Deflection	mm (in)	2.00 (0.08)	4.50 (0.18)	8.10 (0.32)	12.70 (0.50)	18.40 (0.72)	25.30 (1.00)	33.40 (1.31)
Third Point Load (TPL)	kg (lbs)	167.00 (368.17)	110.00 (242.51)	82.50 (181.88)	64.90 (143.08)	53.00 (116.84)	44.40 (97.89)	37.70 (83.11)
Deflection	mm (in)	2.50 (0.10)	5.70 (0.22)	10.20 (0.40)	16.00 (0.63)	23.10 (0.91)	31.50 (1.24)	41.30 (1.63)
Quarter Point Load (QPL)	kg (lbs)	112.30 (247.58)	74.20 (163.58)	55.00 (121.25)	43.30 (95.46)	35.40 (78.04)	29.60 (65.26)	25.20 (55.56)
Deflection	mm (in)	2.40 (0.09)	5.40 (0.21)	9.50 (0.37)	14.90 (0.59)	21.60 (0.85)	29.50 (1.16)	38.70 (1.52)
Fifth Point Load (FPL)	kg (lbs)	93.60 (206.35)	61.90 (136.47)	45.80 (100.97)	36.10 (79.59)	29.50 (65.04)	24.70 (54.45)	21.00 (46.30)
Deflection	mm (in)	2.50 (0.10)	5.70 (0.22)	10.10 (0.40)	15.80 (0.62)	22.80 (0.90)	31.10 (1.22)	40.80 (1.61)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	224.50 (150.86)	99.00 (66.52)	55.00 (36.96)	34.60 (23.25)	23.60 (15.86)	16.90 (11.36)	12.60 (8.47)
Deflection	mm (in)	2.50 (0.10)	5.60 (0.22)	10.00 (0.39)	15.70 (0.62)	22.60 (0.89)	30.90 (1.22)	40.50 (1.59)

TRIO figures are based on use in apex up/down orientation

M222 QUATRO

LOADING CHART

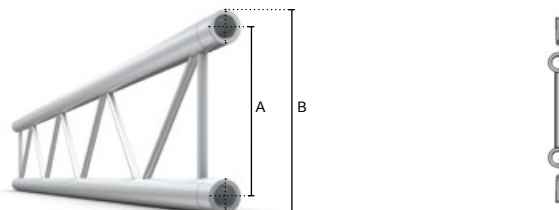
Span	m (ft)	2.00 (6.56)	3.00 (9.84)	4.00 (13.12)	5.00 (16.40)	6.00 (19.69)	7.00 (22.97)	8.00 (26.25)
Centre Point Load (CPL)	kg (lbs)	373.00 (822.32)	290.00 (639.34)	234.00 (515.88)	194.00 (427.70)	163.00 (359.35)	141.00 (310.85)	122.20 (269.40)
Deflection	mm (in)	1.70 (0.07)	4.40 (0.17)	8.50 (0.33)	14.00 (0.55)	20.60 (0.81)	28.70 (1.13)	38.10 (1.50)
Third Point Load (TPL)	kg (lbs)	258.90 (570.78)	188.00 (414.47)	156.00 (343.92)	133.00 (293.21)	116.00 (255.74)	101.00 (222.67)	89.00 (196.21)
Deflection	mm (in)	2.00 (0.08)	4.90 (0.19)	9.70 (0.38)	16.20 (0.64)	24.70 (0.97)	34.80 (1.37)	46.40 (1.83)
Quarter Point Load (QPL)	kg (lbs)	172.60 (380.52)	144.00 (317.47)	125.00 (275.58)	101.90 (224.65)	83.90 (184.97)	71.00 (156.53)	61.10 (134.70)
Deflection	mm (in)	1.80 (0.07)	5.20 (0.20)	10.70 (0.42)	17.30 (0.68)	25.00 (0.98)	34.10 (1.34)	44.60 (1.76)
Fifth Point Load (FPL)	kg (lbs)	129.50 (285.50)	119.00 (262.35)	102.00 (224.87)	83.00 (182.98)	69.90 (154.10)	59.10 (130.29)	50.90 (112.22)
Deflection	mm (in)	1.80 (0.07)	5.40 (0.21)	11.10 (0.44)	18.00 (0.71)	26.40 (1.04)	36.00 (1.42)	47.10 (1.85)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	258.90 (173.97)	171.90 (115.51)	128.40 (86.28)	81.50 (54.77)	56.00 (37.63)	40.60 (27.28)	30.60 (20.56)
Deflection	mm (in)	1.50 (0.06)	4.90 (0.19)	11.60 (0.46)	18.20 (0.72)	26.20 (1.03)	35.80 (1.41)	46.80 (1.84)

CPL	TPL	QPL	FPL	UDL
(Centre Point Load)	(Third Point Load)	(Quarter Point Load)	(Fifth Point Load)	(Uniformly Distributed Load)
All truss loading calculations are based on: Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting 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				

M290 Regular

- Certified 50-mm (2-in) tube M290 series modular truss range
- Interior and exterior applications
- Durable construction with diagonal anti-twist end brace
- Fast connection for quick, simple and secure assembly
- Great free-span and loading characteristics (up to 20 m / 65.61 ft)
- Connection kit supplied with every truss length and junction
- Compatible with 200/400/500/600 series cell clamps
- Powder-coated colour finish available on request

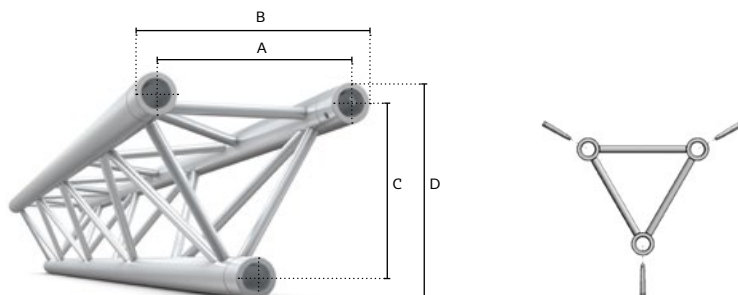
DUO



M290

	Main chords	Diagonals	Alloy	A	B	Connector
BTB	50×2 (2×0.08)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	CCB
BTF	50×2 (2×0.08)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	CCF
BTU	50×2 (2×0.08)	20×2 (0.78×0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	CCU

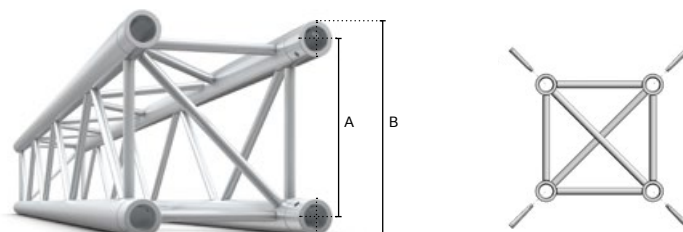
TRIO



M290

	Main chords	Diagonals	Alloy	A	B	C	D	Connector
STB	50×2 (2×0.08)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	207 (8.15)	257 (10.12)	CCB
STF	50×2 (2×0.08)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	207 (8.15)	257 (10.12)	CCF
STU	50×2 (2×0.08)	20×2 (0.78×0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	207 (8.15)	257 (10.12)	CCU

QUATRO



M290

	Main chords	Diagonals	Alloy	A	B	Connector
QTB	50×2 (2×0.08)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	CCB
QTF	50×2 (2×0.08)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	CCF
QTU	50×2 (2×0.08)	20×2 (0.78×0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	CCU

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)
DUO	kg (lbs)	1.60 (3.52)	2.60 (5.73)	3.60 (7.94)	4.50 (9.92)	5.40 (11.90)	6.60 (14.55)	8.30 (18.29)	10.30 (22.71)
TRIO	kg (lbs)	2.60 (5.73)	4.30 (9.47)	6.00 (13.22)	7.70 (16.98)	9.10 (20.06)	10.80 (23.81)	14.10 (31.09)	18.00 (39.68)
QUATRO	kg (lbs)	3.90 (8.60)	6.00 (13.23)	8.30 (18.30)	10.60 (23.37)	12.90 (28.44)	15.00 (33.07)	19.60 (43.21)	23.50 (51.81)

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

M290 DUO

LOADING CHART

Span	m (ft)	3.00 (9.84)	4.00 (13.12)	5.00 (16.40)	6.00 (19.69)	7.00 (22.97)	8.00 (26.25)	9.00 (29.53)
Centre Point Load (CPL)	kg (lbs)	667.50 (1471.58)	577.60 (1273.39)	460.00 (1014.13)	381.10 (840.18)	324.50 (715.40)	281.70 (621.04)	248.10 (546.97)
Deflection	mm (in)	6.00 (0.24)	12.30 (0.48)	19.30 (0.76)	27.80 (1.09)	38.00 (1.50)	49.80 (1.96)	63.20 (2.49)
Third Point Load (TPL)	kg (lbs)	333.70 (735.68)	332.60 (733.26)	331.40 (730.61)	285.80 (630.08)	243.30 (536.38)	211.20 (465.62)	186.10 (410.28)
Deflection	mm (in)	5.10 (0.20)	12.10 (0.48)	23.60 (0.93)	35.40 (1.39)	48.20 (1.90)	63.00 (2.48)	79.70 (3.14)
Quarter Point Load (QPL)	kg (lbs)	222.50 (490.53)	221.70 (488.76)	220.90 (487.00)	190.60 (420.20)	162.20 (357.59)	140.80 (310.41)	124.10 (273.59)
Deflection	mm (in)	4.70 (0.19)	11.20 (0.44)	22.00 (0.87)	32.90 (1.30)	44.90 (1.77)	58.70 (2.31)	74.40 (2.93)
Fifth Point Load (FPL)	kg (lbs)	166.90 (367.95)	166.30 (366.63)	165.70 (365.31)	158.80 (350.09)	135.20 (298.06)	117.40 (258.82)	103.40 (227.96)
Deflection	mm (in)	4.50 (0.18)	10.70 (0.42)	21.00 (0.83)	34.90 (1.37)	47.50 (1.87)	62.10 (2.44)	78.70 (3.10)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	222.50 (149.51)	166.30 (111.75)	132.50 (89.04)	110.10 (73.98)	92.70 (62.29)	70.40 (47.31)	55.10 (37.03)
Deflection	mm (in)	3.80 (0.15)	8.90 (0.35)	17.40 (0.69)	30.10 (1.19)	47.20 (1.86)	61.60 (2.43)	78.10 (3.07)

DUO figures are based on use in vertical mode and with stabilisation every 1 m (3.28 ft) • Higher loading values available for U version

M290 TRIO

LOADING CHART

Span	m (ft)	4.00 (13.12)	6.00 (19.69)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	16.00 (52.49)	20.00 (65.61)
Centre Point Load (CPL)	kg (lbs)	497.20 (1096.14)	325.60 (717.82)	238.00 (524.70)	184.10 (405.87)	147.00 (324.08)	97.90 (215.83)	65.60 (144.62)
Deflection	mm (in)	10.60 (0.42)	24.00 (0.94)	43.10 (1.70)	68.10 (2.68)	99.50 (3.92)	183.20 (7.21)	299.20 (11.77)
Third Point Load (TPL)	kg (lbs)	372.90 (822.10)	244.20 (538.37)	178.50 (393.52)	138.10 (304.46)	110.20 (242.95)	73.40 (161.82)	49.20 (108.46)
Deflection	mm (in)	13.50 (0.53)	30.40 (1.20)	54.10 (2.13)	84.80 (3.34)	122.50 (4.82)	219.60 (8.65)	346.80 (13.65)
Quarter Point Load (QPL)	kg (lbs)	248.60 (548.07)	162.80 (358.91)	119.00 (262.35)	92.00 (202.83)	73.50 (162.04)	48.90 (107.81)	32.80 (72.31)
Deflection	mm (in)	12.50 (0.49)	28.30 (1.11)	50.50 (1.99)	79.40 (3.13)	115.00 (4.53)	207.80 (8.18)	331.30 (13.04)
Fifth Point Load (FPL)	kg (lbs)	207.20 (456.80)	135.70 (299.17)	99.20 (218.70)	76.70 (169.09)	61.20 (134.92)	40.80 (89.95)	27.30 (60.18)
Deflection	mm (in)	13.30 (0.52)	30.00 (1.18)	53.40 (2.10)	83.70 (3.30)	121.00 (4.76)	217.30 (8.56)	343.70 (13.53)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	248.60 (167.05)	108.50 (72.91)	59.50 (39.98)	36.80 (24.73)	24.50 (16.46)	12.20 (8.20)	6.60 (4.43)
Deflection	mm (in)	13.20 (0.52)	29.70 (1.17)	53.00 (2.09)	83.10 (3.27)	120.20 (4.73)	216.00 (8.50)	342.00 (13.46)

TRIO figures are based on use in apex up/down orientation • Higher loading values available for U version

M290 QUATRO

LOADING CHART

Span	m (ft)	4.00 (13.12)	6.00 (19.69)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	16.00 (52.49)	20.00 (65.61)
Centre Point Load (CPL)	kg (lbs)	1155.40 (2547.22)	762.50 (1681.02)	563.70 (1242.74)	442.50 (975.54)	360.20 (794.10)	253.80 (559.53)	186.20 (410.50)
Deflection	mm (in)	12.30 (0.48)	27.80 (1.09)	49.70 (1.96)	78.30 (3.08)	113.70 (4.48)	206.40 (8.13)	331.10 (13.03)
Third Point Load (TPL)	kg (lbs)	665.30 (1466.73)	571.90 (1260.82)	422.80 (932.11)	331.90 (731.71)	270.10 (595.47)	190.30 (419.54)	139.60 (307.76)
Deflection	mm (in)	12.10 (0.48)	35.40 (1.39)	63.00 (2.48)	98.50 (3.88)	142.10 (5.59)	253.90 (10.00)	399.20 (15.71)
Quarter Point Load (QPL)	kg (lbs)	443.50 (977.75)	381.30 (840.62)	281.80 (621.26)	221.30 (487.88)	180.10 (397.05)	126.90 (279.77)	93.10 (205.25)
Deflection	mm (in)	11.20 (0.44)	32.90 (1.30)	58.70 (2.31)	91.90 (3.62)	132.90 (5.23)	238.50 (9.39)	377.10 (14.85)
Fifth Point Load (FPL)	kg (lbs)	332.60 (733.26)	317.70 (700.41)	234.90 (517.87)	184.40 (406.53)	150.10 (330.91)	105.70 (233.03)	77.60 (171.07)
Deflection	mm (in)	10.70 (0.42)	34.90 (1.37)	62.10 (2.44)	97.20 (3.83)	140.30 (5.52)	250.90 (9.88)	394.90 (15.54)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	332.60 (223.50)	220.20 (147.97)	140.90 (94.68)	88.50 (59.47)	60.00 (40.32)	31.70 (21.30)	18.60 (12.50)
Deflection	mm (in)	8.90 (0.35)	30.10 (1.19)	61.60 (2.43)	96.50 (3.80)	139.30 (5.48)	249.20 (9.81)	392.40 (15.44)

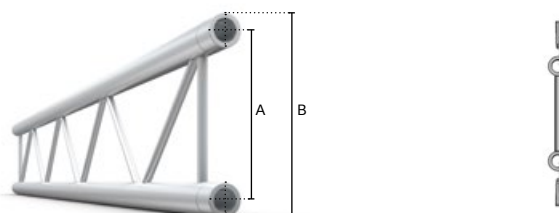
Higher loading values available for U version

CPL	TPL	QPL	FPL	UDL
(Centre Point Load)	(Third Point Load)	(Quarter Point Load)	(Fifth Point Load)	(Uniformly Distributed Load)
All truss loading calculations are based on: Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting 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				

M290 Heavy-duty

- Certified 48-mm (1.89-in) tube heavy-duty M290 series truss range
- Keystone system used within PA and rigging towers and roofs
- Durable construction with diagonal anti-twist end brace
- Fast connection for quick, simple and secure assembly
- Great free-span and loading characteristics (up to 20 m / 65.61 ft)
- Connection kit supplied with every truss length and junction
- Compatible with 200/400/500/600 series cell clamps
- Powder-coated colour finish available on request

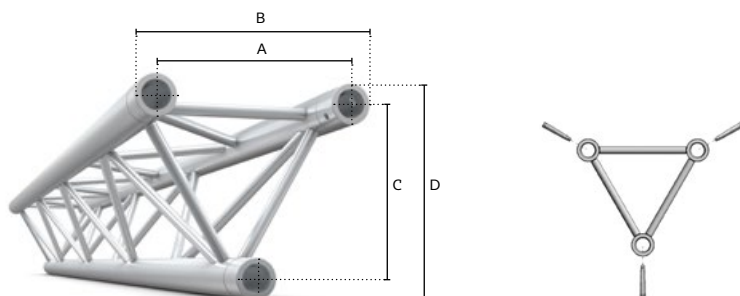
DUO



M290V

	Main chords	Diagonals	Alloy	A	B	Connector
BTV	48×3 (1.89×0.12)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (944)	288 (11.34)	CCB
BTVF	48×3 (1.89×0.12)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (944)	288 (11.34)	CCF
BTVU	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	240 (944)	288 (11.34)	CCU

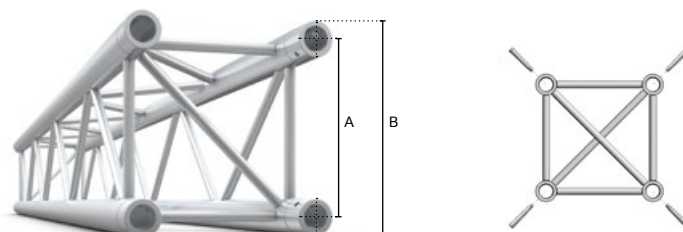
TRIO



M290V

	Main chords	Diagonals	Alloy	A	B	C	D	Connector
STV	48×3 (1.89×0.12)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (944)	288 (11.34)	207 (8.15)	255 (10.04)	CCB
STVF	48×3 (1.89×0.12)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (944)	288 (11.34)	207 (8.15)	255 (10.04)	CCF
STVU	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	240 (944)	288 (11.34)	207 (8.15)	255 (10.04)	CCU

QUATRO



M290V

	Main chords	Diagonals	Alloy	A	B	Connector
QTV	48×3 (1.89×0.12)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (944)	288 (11.34)	CCB
QTVF	48×3 (1.89×0.12)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (944)	288 (11.34)	CCF
QTVU	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	240 (944)	288 (11.34)	CCU

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)
DUO	kg (lbs)	1.70 (3.90)	3.10 (6.83)	4.30 (9.57)	5.70 (12.57)	6.90 (15.21)	8.20 (18.07)	10.70 (23.7)	13.30 (29.34)
TRIO	kg (lbs)	2.90 (6.39)	5.00 (11.02)	7.10 (15.65)	9.30 (20.50)	11.40 (25.13)	13.50 (29.76)	18.00 (39.68)	22.00 (48.50)
QUATRO	kg (lbs)	4.10 (9.04)	7.00 (15.43)	9.90 (21.83)	12.50 (27.56)	15.50 (34.17)	18.30 (40.35)	24.00 (52.91)	29.70 (65.48)

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

M290V DUO

LOADING CHART

Span	m (ft)	3.00 (9.84)	4.00 (13.12)	5.00 (16.40)	6.00 (19.69)	7.00 (22.97)	8.00 (26.25)	9.00 (29.53)
Centre Point Load (CPL)	kg (lbs)	666.90 (1470.26)	664.40 (1464.75)	648.80 (1430.36)	538.30 (1186.75)	459.00 (1011.92)	399.20 (880.08)	352.40 (776.91)
Deflection	mm (in)	4.30 (0.17)	10.10 (0.40)	19.30 (0.76)	27.90 (1.10)	38.00 (1.50)	49.70 (1.96)	63.10 (2.48)
Third Point Load (TPL)	kg (lbs)	333.50 (735.24)	332.20 (732.37)	330.90 (729.51)	329.60 (726.64)	328.30 (723.78)	299.40 (660.06)	264.30 (582.68)
Deflection	mm (in)	3.60 (0.14)	8.60 (0.34)	16.80 (0.66)	29.00 (1.14)	46.10 (1.81)	63.10 (2.48)	79.90 (3.15)
Quarter Point Load (QPL)	kg (lbs)	222.30 (490.09)	221.50 (488.32)	220.60 (486.34)	219.70 (484.36)	218.90 (482.59)	199.60 (440.04)	176.20 (388.45)
Deflection	mm (in)	3.40 (0.13)	8.00 (0.31)	15.60 (0.61)	27.00 (1.06)	42.90 (1.69)	58.70 (2.31)	74.40 (2.93)
Fifth Point Load (FPL)	kg (lbs)	166.70 (367.51)	166.10 (366.19)	165.50 (364.86)	164.80 (363.32)	164.20 (362.00)	163.50 (360.46)	146.90 (323.86)
Deflection	mm (in)	3.20 (0.13)	7.70 (0.30)	15.00 (0.59)	25.80 (1.02)	41.00 (1.61)	61.20 (2.41)	78.80 (3.10)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	222.30 (149.38)	166.10 (111.61)	132.40 (88.97)	109.90 (73.85)	93.80 (63.03)	81.80 (54.97)	72.40 (48.65)
Deflection	mm (in)	2.70 (0.11)	6.30 (0.25)	12.40 (0.49)	21.40 (0.84)	34.10 (1.34)	50.90 (2.00)	72.50 (2.85)

DUO figures are based on use in vertical mode and with stabilisation every 1 m (3.28 ft)

M290V TRIO

LOADING CHART

Span	m (ft)	4.00 (13.12)	6.00 (19.69)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	16.00 (52.49)	20.00 (65.61)
Centre Point Load (CPL)	kg (lbs)	700.50 (1544.34)	459.80 (1013.68)	337.30 (743.62)	262.10 (577.83)	210.50 (464.07)	142.80 (314.82)	98.70 (217.59)
Deflection	mm (in)	10.60 (0.42)	24.00 (0.94)	43.10 (1.70)	68.00 (2.68)	99.20 (3.91)	182.00 (7.17)	295.60 (11.64)
Third Point Load (TPL)	kg (lbs)	525.40 (1158.31)	344.90 (760.37)	253.00 (557.77)	196.60 (433.43)	157.90 (348.11)	107.10 (236.11)	74.00 (163.14)
Deflection	mm (in)	13.50 (0.53)	30.50 (1.20)	54.30 (2.14)	85.00 (3.35)	122.70 (4.83)	219.80 (8.65)	346.70 (13.64)
Quarter Point Load (QPL)	kg (lbs)	350.20 (772.06)	229.90 (506.84)	168.70 (371.92)	131.00 (288.81)	105.30 (232.15)	71.40 (157.41)	49.40 (108.90)
Deflection	mm (in)	12.60 (0.50)	28.40 (1.12)	50.60 (1.99)	79.50 (3.13)	115.10 (4.53)	207.50 (8.17)	330.10 (12.99)
Fifth Point Load (FPL)	kg (lbs)	287.80 (634.49)	191.60 (422.41)	140.50 (309.75)	109.20 (240.74)	87.70 (193.35)	59.50 (131.17)	41.10 (90.60)
Deflection	mm (in)	13.20 (0.52)	30.10 (1.19)	53.60 (2.11)	83.90 (3.30)	121.20 (4.77)	217.40 (8.56)	343.40 (13.52)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	287.80 (193.39)	153.30 (103.01)	84.30 (56.65)	52.40 (35.21)	35.10 (23.59)	17.80 (11.96)	9.90 (6.65)
Deflection	mm (in)	10.90 (0.43)	29.80 (1.17)	53.10 (2.09)	83.30 (3.28)	120.40 (4.74)	216.00 (8.50)	341.60 (13.44)

TRIO figures are based on use in apex up/down orientation

M290V QUATRO

LOADING CHART

Span	m (ft)	4.00 (13.12)	6.00 (19.69)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	16.00 (52.49)	20.00 (65.61)
Centre Point Load (CPL)	kg (lbs)	1328.00 (2927.74)	1076.00 (2372.17)	797.70 (1758.63)	628.60 (1385.82)	514.10 (1133.40)	366.90 (808.88)	274.40 (604.94)
Deflection	mm (in)	10.10 (0.40)	27.90 (1.10)	49.70 (1.96)	78.20 (3.08)	113.30 (4.46)	205.00 (8.07)	327.20 (12.88)
Third Point Load (TPL)	kg (lbs)	664.00 (1463.87)	658.70 (1452.18)	598.30 (1319.02)	471.40 (1039.26)	385.60 (850.10)	275.20 (606.71)	205.80 (453.71)
Deflection	mm (in)	8.60 (0.34)	29.00 (1.14)	63.10 (2.48)	98.70 (3.89)	142.30 (5.60)	254.00 (10.00)	398.80 (15.70)
Quarter Point Load (QPL)	kg (lbs)	442.70 (975.99)	439.10 (968.05)	398.90 (879.42)	314.30 (692.91)	257.00 (566.59)	183.50 (404.55)	137.20 (302.47)
Deflection	mm (in)	8.00 (0.31)	27.00 (1.06)	58.70 (2.31)	92.00 (3.62)	132.90 (5.23)	238.00 (9.37)	375.60 (14.78)
Fifth Point Load (FPL)	kg (lbs)	332.00 (731.93)	329.30 (725.98)	326.70 (720.25)	261.90 (577.39)	214.20 (472.23)	152.90 (337.09)	114.30 (251.98)
Deflection	mm (in)	7.70 (0.30)	25.80 (1.02)	61.20 (2.41)	97.40 (3.83)	140.50 (5.53)	250.80 (9.87)	394.30 (15.52)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	332.00 (223.09)	219.60 (147.56)	163.30 (109.73)	125.70 (84.47)	85.70 (57.59)	45.90 (30.84)	27.40 (18.41)
Deflection	mm (in)	6.30 (0.25)	21.40 (0.84)	50.90 (2.00)	96.60 (3.80)	139.40 (5.49)	249.10 (9.81)	391.70 (15.42)

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 loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting 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

Short truss modules

- Shear load capacity equivalent to regular truss
- Can be placed anywhere within your truss structure without reducing capacity
- Simplifies your planning process
- Eliminates the risk of errors during assembly



M290 105–149 mm (4.13– 5.87 in)

	Main chords	Brace	Range
mm	49×10	30×3	BTV, BTVF, BTVU
in	(1.92×0.39)	(1.18×0.12)	

	Main chords	Brace	Range
mm	49×10	30×3	STV, STVF, STVU
in	(1.92×0.39)	(1.18×0.12)	

	Main chords	Brace	Range
mm	49×10	30×3	QTV, QTVF, QTVU, QTVUU
in	(1.92×0.39)	(1.18×0.12)	

M390 105–149 mm (4.13– 5.87 in)

	Main chords	Brace	Range
mm	49×10	30×3	BTL, BTLF
in	(1.92×0.39)	(1.18×0.12)	

	Main chords	Brace	Range
mm	49×10	30×3	STL, STLF
in	(1.92×0.39)	(1.18×0.12)	

	Main chords	Brace	Range
mm	49×10	30×3	QTL, QTLF
in	(1.92×0.39)	(1.18×0.12)	



M290 150–229 mm (5.90– 9.01 in)

	Main chords	Brace	Range
mm	48×3	48×3	BTV, BTVF, BTVU
in	(1.89×0.12)	(1.89×0.12)	

	Main chords	Brace	Range
mm	48×3	48×3	STV, STVF, STVU
in	(1.89×0.12)	(1.89×0.12)	

	Main chords	Brace	Range
mm	48×3	48×3	QTV, QTVF, QTVU, QTVUU
in	(1.89×0.12)	(1.89×0.12)	

M390 150–249 mm (5.90–9.80 in)

	Main chords	Brace	Range
mm	48×3	48×3	BTL, BTLF
in	(1.89×0.12)	(1.89×0.12)	

	Main chords	Brace	Range
mm	48×3	43×3	STL, STLF
in	(1.96×0.39)	(1.96×0.39)	

	Main chords	Brace	Range
mm	48×3	48×3	QTL, QTLF
in	(1.96×0.39)	(1.96×0.39)	

The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.


M290 230–450 mm (9.05– 17.32 in)

	Main chords	Brace	Range
mm	48×3	16×2	BTV, BTVF
in	(1.89×0.12)	(0.62×0.08)	
	48×3	20×2	BTVU
	(1.89×0.12)	(0.78×0.08)	

	Main chords	Brace	Range
mm	48×3	16×2	STV, STVF
in	(1.89×0.12)	(0.62×0.08)	
	48×3	20×2	STVU
	(1.89×0.12)	(0.78×0.08)	

	Main chords	Brace	Range
mm	48×3	16×2	QTV, QTVF
in	(1.89×0.12)	(0.62×0.08)	
	48×3	20×2	QTVU, QTVUU
	(1.89×0.12)	(0.78×0.08)	

M390 250–440 mm (9.84–17.32 in)

	Main chords	Brace	Range
mm	48×3	20×2	BTL, BTLF
in	(1.89×0.12)	(0.78×0.08)	

	Main chords	Brace	Range
mm	48×3	20×2	STL, STLF
in	(1.89×0.12)	(0.78×0.08)	

	Main chords	Brace	Range
mm	48×3	20×2	QTL, QTLF
in	(1.89×0.12)	(0.78×0.08)	

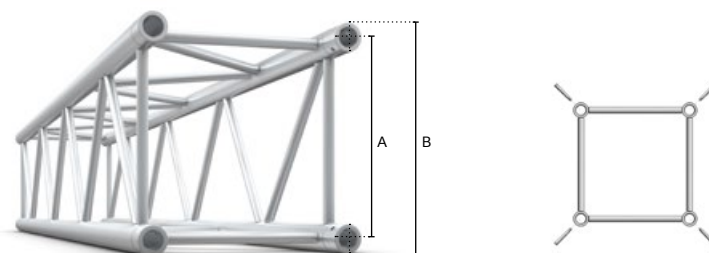


The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.

M390 Regular

- Certified 50-mm (2-in) tube M390 series modular truss range
- Interior and exterior applications
- Fast connection for quick, simple and secure assembly
- Great free-span and loading characteristics (up to 20 m / 65.61 ft)
- Custom lengths, junctions and curves available
- Powder-coated colour finish available on request
- Connection kit supplied with every truss length and junction
- Compatible with 200/400/500/600 series cell clamps

QUATRO



M390

	Main chords	Diagonals	Alloy	A	B	Connector
QTK	50×2 (2×0.08)	20×2 (0.78×0.08)	EN - AW 6082 T6	340 (13.38)	390 (15.35)	CCB
QTKF	50×2 (2×0.08)	20×2 (0.78×0.08)	EN - AW 6082 T6	340 (13.38)	390 (15.35)	CCF

STANDARD LENGTHS AND WEIGHTS AVAILABLE

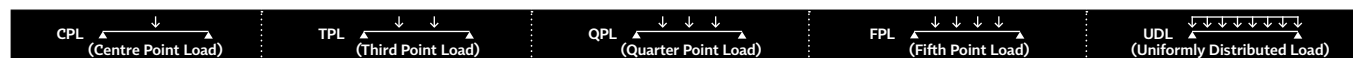
	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)
QUATRO	kg (lbs)	4.10 (9.04)	6.40 (14.10)	9.10 (20.06)	11.70 (25.79)	13.90 (30.64)	17.00 (37.47)	21.40 (47.17)	26.40 (58.20)

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

M390 QUATRO

LOADING CHART

Span	m (ft)	4.00 (13.12)	6.00 (19.69)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	16.00 (52.49)	20.00 (65.61)
Centre Point Load (CPL)	kg (lbs)	1491.00 (3287.09)	1083.30 (2388.26)	802.70 (1769.65)	632.10 (1393.54)	516.50 (1138.69)	367.80 (810.86)	274.10 (604.28)
Deflection	mm (in)	8.00 (0.31)	19.80 (0.78)	35.40 (1.39)	55.60 (2.19)	80.70 (3.18)	146.00 (5.75)	233.40 (9.18)
Third Point Load (TPL)	kg (lbs)	946.00 (2085.57)	747.00 (1646.85)	602.00 (1327.18)	474.10 (1045.21)	387.40 (854.07)	275.80 (608.03)	205.50 (453.04)
Deflection	mm (in)	8.60 (0.34)	23.20 (0.91)	44.90 (1.77)	70.20 (2.76)	101.20 (3.98)	180.70 (7.11)	283.90 (11.17)
Quarter Point Load (QPL)	kg (lbs)	713.00 (1571.89)	541.70 (1194.24)	401.30 (884.71)	316.00 (696.66)	258.20 (569.23)	183.90 (405.43)	137.00 (302.03)
Deflection	mm (in)	9.10 (0.36)	23.50 (0.93)	41.80 (1.65)	65.50 (2.58)	94.60 (3.72)	169.40 (6.67)	267.40 (10.52)
Fifth Point Load (FPL)	kg (lbs)	586.00 (1291.91)	451.40 (995.17)	334.50 (737.45)	263.40 (580.70)	215.20 (474.43)	153.20 (337.75)	114.20 (251.76)
Deflection	mm (in)	9.50 (0.37)	24.90 (0.98)	44.30 (1.74)	69.30 (2.73)	99.90 (3.93)	178.50 (7.03)	280.60 (11.04)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	623.30 (418.84)	361.10 (242.65)	200.70 (134.86)	126.40 (84.94)	86.10 (57.86)	46.00 (30.91)	27.40 (18.41)
Deflection	mm (in)	8.40 (0.33)	24.70 (0.97)	43.90 (1.73)	68.70 (2.70)	99.20 (3.91)	177.20 (6.98)	278.80 (10.97)



All truss loading calculations are based on:

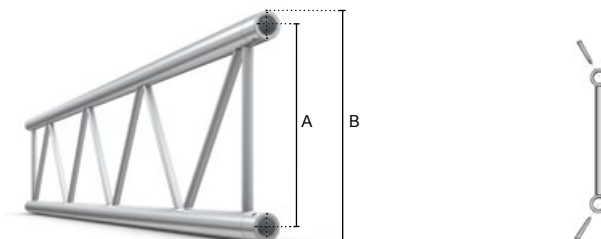
Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural 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



M390 Heavy-duty

- Certified 48-mm (1.89-in) tube heavy-duty M390 series truss range
- Interior and exterior applications
- Fast connection for quick, simple and secure assembly
- Great free-span and loading characteristics (up to 20 m / 65.61 ft)
- Custom lengths, junctions and curves available
- Connection kit supplied with every truss length and junction
- Compatible with 200/400/500/600 series cell clamps
- Powder-coated colour finish available on request

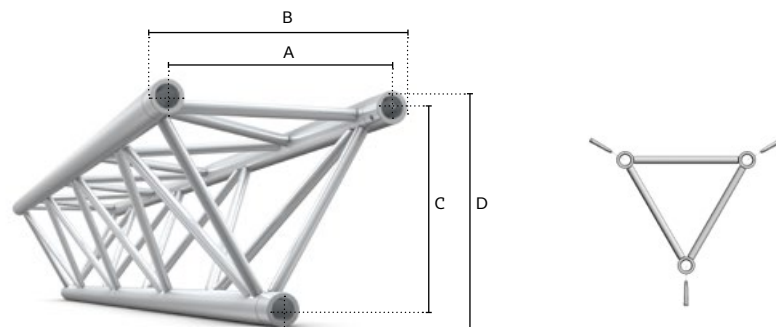
DUO



M390L

	Main chords	Diagonals	Alloy	A	B	Connector
BTL	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCB
BTLF	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCF

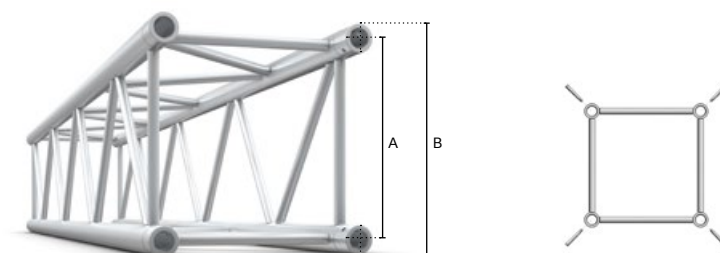
TRIO



M390L

	Main chords	Diagonals	Alloy	A	B	C	D	Connector
STL	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	294 (11.57)	342 (13.46)	CCB
STLF	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	294 (11.57)	342 (13.46)	CCF

QUATRO



M390L

	Main chords	Diagonals	Alloy	A	B	Connector
QTL	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCB
QTLF	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCF

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)
DUO	kg (lbs)	2.00 (4.41)	3.30 (7.28)	4.50 (10.01)	6.00 (13.23)	7.30 (16.09)	8.60 (19.05)	11.40 (25.13)	14.10 (31.11)
TRIO	kg (lbs)	3.10 (6.88)	5.50 (12.12)	7.90 (17.46)	10.50 (23.15)	12.70 (27.99)	15.10 (33.28)	20.50 (45.20)	25.00 (55.12)
QUATRO	kg (lbs)	4.50 (9.92)	7.60 (16.76)	10.80 (23.81)	14.00 (30.87)	17.10 (37.70)	20.30 (44.75)	26.40 (58.20)	33.00 (72.75)

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

M390L DUO

LOADING CHART

Span	m (ft)	3.00 (9.84)	4.00 (13.12)	5.00 (16.40)	6.00 (19.69)	7.00 (22.97)	8.00 (26.25)	9.00 (29.53)
Centre Point Load (CPL)	kg (lbs)	1249.30 (2754.23)	1154.60 (2545.45)	921.10 (2030.68)	765.00 (1686.53)	653.00 (1439.62)	568.80 (1253.99)	502.90 (1108.70)
Deflection	mm (in)	4.00 (0.16)	8.80 (0.35)	13.70 (0.54)	19.80 (0.78)	27.00 (1.06)	35.30 (1.39)	44.80 (1.76)
Third Point Load (TPL)	kg (lbs)	624.60 (1377.01)	623.20 (1373.92)	621.80 (1370.83)	573.70 (1264.79)	489.80 (1079.82)	426.60 (940.49)	377.20 (831.58)
Deflection	mm (in)	3.40 (0.13)	8.10 (0.32)	15.80 (0.62)	25.20 (0.99)	34.40 (1.35)	44.90 (1.77)	56.80 (2.24)
Quarter Point Load (QPL)	kg (lbs)	416.40 (918.00)	415.50 (916.02)	414.50 (913.81)	382.50 (843.27)	326.50 (719.81)	284.40 (626.99)	251.40 (554.24)
Deflection	mm (in)	3.20 (0.13)	7.50 (0.30)	14.70 (0.58)	23.50 (0.93)	32.00 (1.26)	41.80 (1.65)	52.90 (2.08)
Fifth Point Load (FPL)	kg (lbs)	312.30 (688.50)	311.60 (686.96)	310.90 (685.42)	310.20 (683.87)	272.10 (599.88)	237.00 (522.49)	209.50 (461.87)
Deflection	mm (in)	3.00 (0.12)	7.20 (0.28)	14.00 (0.55)	24.20 (0.95)	33.90 (1.33)	44.30 (1.74)	56.10 (2.21)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	416.40 (279.81)	311.60 (209.39)	248.70 (167.12)	206.80 (138.96)	176.80 (118.80)	142.20 (95.55)	111.70 (75.06)
Deflection	mm (in)	2.50 (0.10)	5.90 (0.23)	11.60 (0.46)	20.10 (0.79)	31.90 (1.26)	43.90 (1.73)	55.60 (2.19)

DUO figures are based on use in vertical mode and with stabilisation every 1 m (3.28 ft)

M390L TRIO

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)	20.00 (65.61)
Centre Point Load (CPL)	kg (lbs)	654.90 (1443.81)	482.50 (1063.73)	377.10 (831.36)	305.20 (672.85)	252.40 (556.45)	211.50 (466.28)	151.40 (333.77)
Deflection	mm (in)	17.20 (0.68)	30.70 (1.21)	48.40 (1.91)	70.40 (2.77)	97.00 (3.82)	128.40 (5.06)	207.10 (8.15)
Third Point Load (TPL)	kg (lbs)	491.20 (1082.91)	361.90 (797.85)	282.80 (623.47)	228.90 (504.64)	189.30 (417.33)	158.60 (349.65)	113.50 (250.22)
Deflection	mm (in)	21.80 (0.86)	38.80 (1.53)	60.70 (2.39)	87.60 (3.45)	119.60 (4.71)	156.70 (6.17)	246.70 (9.71)
Quarter Point Load (QPL)	kg (lbs)	327.50 (722.01)	241.30 (531.97)	188.50 (415.57)	152.60 (336.43)	126.20 (278.22)	105.80 (233.25)	75.70 (166.88)
Deflection	mm (in)	20.30 (0.80)	36.20 (1.43)	56.70 (2.23)	82.00 (3.23)	112.20 (4.42)	147.50 (5.81)	233.80 (9.20)
Fifth Point Load (FPL)	kg (lbs)	272.90 (601.64)	201.00 (443.13)	157.10 (346.35)	127.10 (280.21)	105.20 (231.93)	88.10 (194.23)	63.10 (139.11)
Deflection	mm (in)	21.50 (0.85)	38.30 (1.51)	59.90 (2.36)	86.50 (3.41)	118.10 (4.65)	154.90 (6.10)	244.20 (9.61)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	218.30 (146.69)	120.60 (81.04)	75.40 (50.67)	50.90 (34.20)	36.10 (24.26)	26.40 (17.74)	15.10 (10.14)
Deflection	mm (in)	21.30 (0.84)	38.00 (1.50)	59.50 (2.34)	85.90 (3.38)	117.30 (4.62)	153.90 (6.06)	242.70 (9.55)

TRIO figures are based on use in apex up/down orientation

M390L QUATRO

LOADING CHART

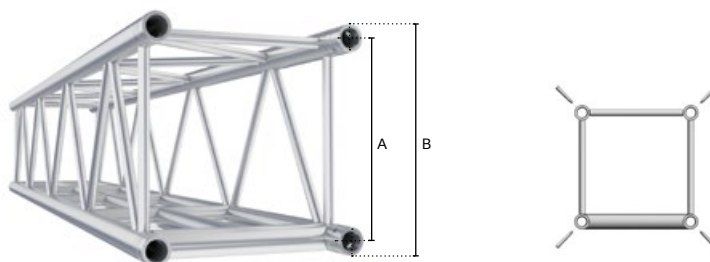
Span	m (ft)	6.00 (19.69)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	14.00 (45.93)	16.00 (52.49)	20.00 (65.61)
Centre Point Load (CPL)	kg (lbs)	1526.90 (3366.23)	1133.50 (2498.94)	894.70 (1972.47)	733.30 (1616.65)	616.10 (1358.27)	526.60 (1160.95)	397.10 (875.45)
Deflection	mm (in)	19.80 (0.78)	35.40 (1.39)	55.60 (2.19)	80.50 (3.17)	110.30 (4.34)	145.30 (5.72)	231.50 (9.11)
Third Point Load (TPL)	kg (lbs)	1054.00 (2323.67)	850.10 (1874.15)	671.00 (1479.30)	550.00 (1212.54)	462.10 (1018.75)	394.90 (870.60)	297.80 (656.53)
Deflection	mm (in)	23.20 (0.91)	44.90 (1.77)	70.20 (2.76)	101.30 (3.99)	138.10 (5.44)	180.70 (7.11)	283.60 (11.16)
Quarter Point Load (QPL)	kg (lbs)	763.50 (1683.23)	566.70 (1249.36)	447.40 (986.35)	366.70 (808.43)	308.10 (679.24)	263.30 (580.48)	198.60 (437.83)
Deflection	mm (in)	23.50 (0.93)	41.80 (1.65)	65.50 (2.58)	94.50 (3.72)	129.10 (5.08)	169.20 (6.66)	266.60 (10.49)
Fifth Point Load (FPL)	kg (lbs)	618.90 (1364.44)	472.30 (1041.24)	372.80 (821.88)	305.60 (673.73)	256.70 (565.93)	219.40 (483.69)	165.50 (364.86)
Deflection	mm (in)	24.20 (0.95)	44.30 (1.74)	69.30 (2.73)	99.90 (3.93)	136.30 (5.37)	178.40 (7.02)	280.20 (11.03)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	412.60 (277.25)	283.40 (190.44)	178.90 (120.22)	122.20 (82.11)	88.00 (59.13)	65.80 (44.22)	39.70 (26.68)
Deflection	mm (in)	20.10 (0.79)	43.90 (1.73)	68.80 (2.71)	99.20 (3.91)	135.30 (5.33)	177.10 (6.97)	278.40 (10.96)

CPL	TPL	QPL	FPL	UDL
(Centre Point Load)	(Third Point Load)	(Quarter Point Load)	(Fifth Point Load)	(Uniformly Distributed Load)
All truss loading calculations are based on: Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting 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				

M390 LED

- Features a central tube for the safe, easy and balanced hanging of LED screens
- Quick, simple and secure assembly
- Powder-coated colour finish available on request
- Connection kit supplied with every truss length and junction
- Compatible with 200/400/500/600 series cell clamps

QUATRO



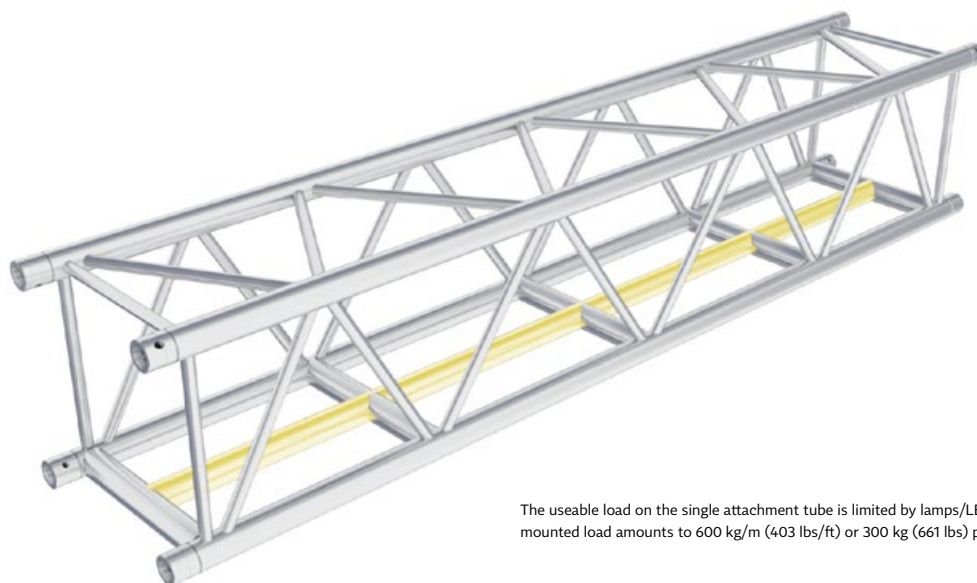
M390 LED

	Main chords	Diagonals	Alloy	A	B	Connector
QTL-LED	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCB
QTLF-LED	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCF

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)
QUATRO	kg (lbs)	5.60 (12.34)	9.20 (20.28)	13.10 (28.88)	17.00 (37.47)	20.80 (45.85)	24.70 (54.45)	32.50 (71.65)	40.10 (88.40)

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



The useable load on the single attachment tube is limited by lamps/LEDs, whose mounted load amounts to 600 kg/m (403 lbs/ft) or 300 kg (661 lbs) per field.

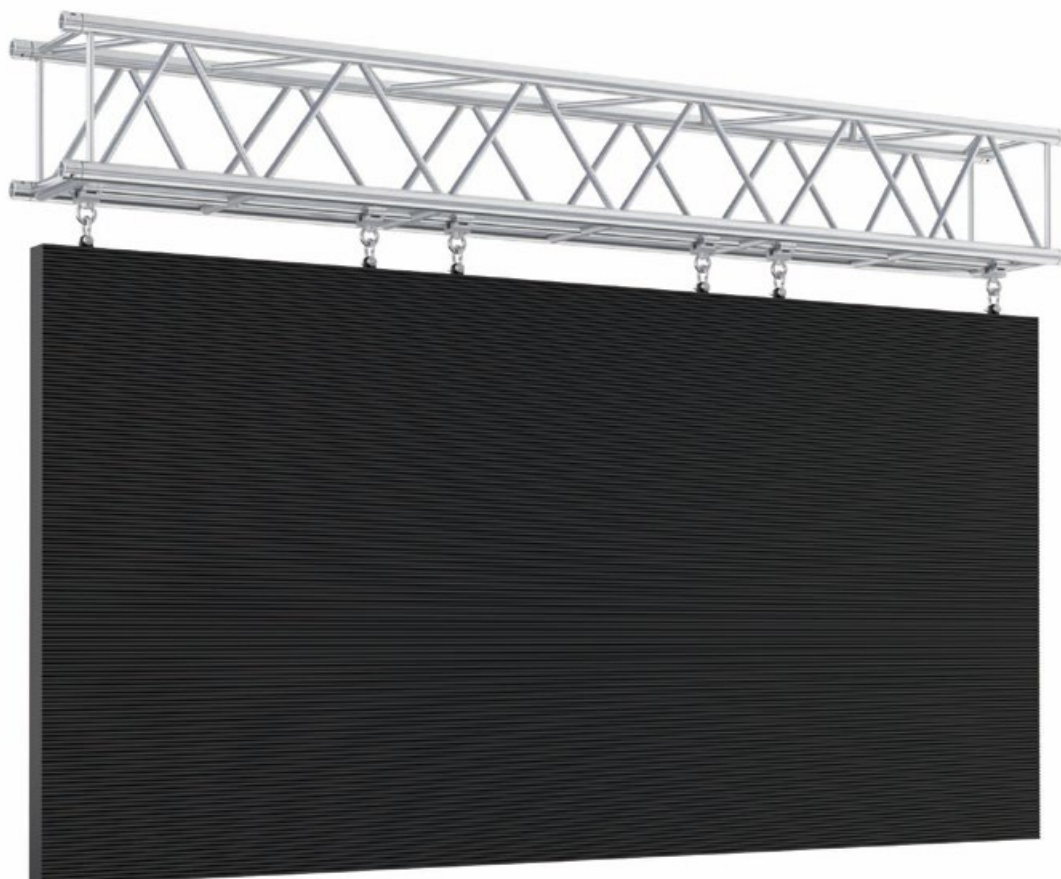
M390 LED

LOADING CHART

Span	m (ft)	4.00 (13.12)	6.00 (19.68)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	14.00 (45.93)	16.00 (52.49)
Centre Point Load (CPL)	kg (lbs)	2097.00 (4623.09)	1523.60 (3358.96)	1129.10 (2489.24)	889.20 (1960.35)	726.70 (1602.09)	608.40 (1340.41)	517.70 (1141.33)
Deflection	mm (in)	8.00 (0.31)	19.80 (0.78)	35.40 (1.39)	55.70 (2.12)	80.80 (3.18)	110.80 (4.36)	146.10 (5.75)
Third Point Load (TPL)	kg (lbs)	1333.00 (2938.76)	1051.00 (2317.05)	846.80 (1866.87)	666.90 (1470.26)	545.00 (1201.52)	456.30 (1005.97)	388.30 (856.05)
Deflection	mm (in)	8.70 (0.34)	23.30 (0.92)	44.90 (1.77)	70.30 (2.76)	101.40 (3.99)	138.20 (5.44)	180.90 (7.12)
Quarter Point Load (QPL)	kg (lbs)	925.60 (2040.59)	761.80 (1679.48)	564.50 (1244.51)	444.60 (980.17)	363.40 (801.15)	304.20 (670.64)	258.90 (570.77)
Deflection	mm (in)	8.40 (0.33)	23.50 (0.93)	41.80 (1.64)	65.50 (2.58)	94.70 (3.72)	129.30 (5.09)	169.60 (6.67)
Fifth Point Load (FPL)	kg (lbs)	694.20 (1530.00)	634.80 (1399.49)	470.40 (1037.05)	370.50 (816.81)	302.80 (667.56)	253.50 (558.87)	215.70 (475.53)
Deflection	mm (in)	8.00 (0.31)	24.90 (0.98)	44.30 (1.74)	69.30 (2.73)	100.00 (3.93)	136.50 (5.37)	178.70 (7.03)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	694.20 (466.50)	460.20 (309.30)	282.30 (189.70)	177.80 (119.50)	121.10 (81.40)	86.90 (58.40)	64.70 (42.50)
Deflection	mm (in)	6.60 (0.26)	22.40 (0.88)	44.00 (1.73)	68.80 (2.70)	99.30 (3.90)	135.50 (5.33)	177.40 (6.98)

The useable load on the single attachment tube is limited by lamps/LEDs, whose mounted load amounts to 600 kg/m (403 lbs/ft) or 300 kg (661 lbs) per field. This load should not exceed the upper loads in the table!

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 loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting 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				

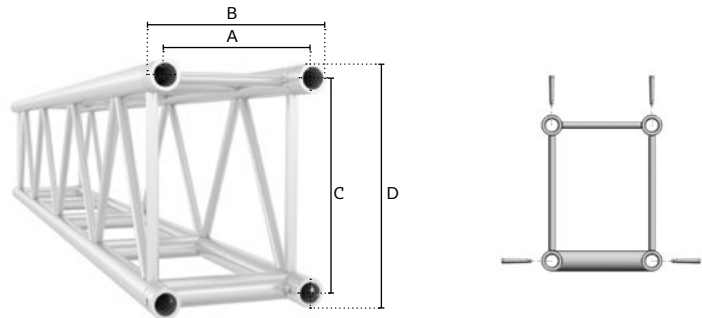


M290×390

- Parallel diagonals enable M222 / M290 Trio truss to slip through
- Horizontal bracing at node points counteracts horizontal force caused by slinging
- 48-mm (1.89-in) bottom horizontal braces for trouble-free suspension of lighting fixtures

- 25% less transport volume compared to QTK
- Easy pin access due to horizontal positioning of pin holes at bottom tubes
- Compatible with 200/400/500/600 series cell clamps
- F and U version available

RECT



M290×390

RTL	mm	in	Main chords	Diagonals	Horizontal braces	Alloy	A	B	C	D	Connector
			48×3 (1.89×0.12)	20×2 (0.78×0.08)	48×3 (1.89×0.12)	EN - AW 6082 T6	240 (9.45)	290 (11.40)	340 (13.38)	390 (15.35)	CCB

M290×390 RECT

LOADING CHART

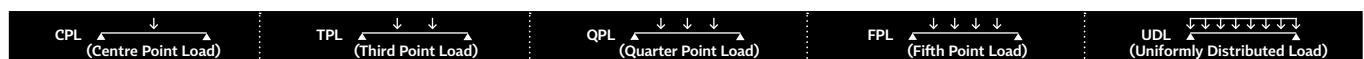
Span	m (ft)	4.00 (13.12)	5.00 (16.40)	6.00 (19.69)	7.00 (22.97)	8.00 (26.25)	9.00 (29.53)	10.00 (32.81)
Centre Point Load (CPL)	kg (lbs)	1938.00 (4273.29)	1637.00 (3609.59)	1404.00 (3095.82)	1224.00 (2698.92)	1087.00 (2396.84)	970.00 (2138.85)	875.00 (1929.38)
Deflection	mm (in)	7.40 (0.29)	12.30 (0.48)	18.30 (0.71)	25.50 (0.99)	34.00 (1.33)	43.60 (1.70)	54.50 (2.13)
Third Point Load (TPL)	kg (lbs)	1278.00 (2817.99)	1103.00 (2432.12)	973.00 (2145.47)	859.00 (1894.10)	773.00 (1704.47)	697.00 (1536.89)	630.00 (1389.15)
Deflection	mm (in)	8.30 (0.32)	14.00 (0.55)	21.50 (0.84)	30.30 (1.18)	41.00 (1.60)	53.00 (2.07)	66.20 (2.58)
Quarter Point Load (QPL)	kg (lbs)	925.70 (2041.17)	883.00 (1947.02)	755.00 (1664.78)	650.80 (1435.01)	566.20 (1248.47)	500.00 (1102.50)	446.70 (984.97)
Deflection	mm (in)	8.40 (0.33)	15.60 (0.61)	23.20 (0.90)	32.00 (1.25)	41.80 (1.63)	53.00 (2.07)	65.50 (2.55)
Fifth Point Load (FPL)	kg (lbs)	694.30 (1530.93)	692.60 (1527.18)	604.00 (1331.82)	521.00 (1148.81)	462.00 (1018.71)	412.00 (908.46)	369.00 (813.65)
Deflection	mm (in)	8.00 (0.31)	15.60 (0.61)	23.70 (0.92)	32.60 (1.27)	43.40 (1.69)	55.60 (2.17)	68.60 (2.68)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	694.30 (466.55)	554.10 (372.34)	460.50 (309.44)	371.90 (249.91)	283.10 (190.23)	222.20 (149.31)	178.70 (120.08)
Deflection	mm (in)	6.60 (0.26)	13.00 (0.51)	22.40 (0.87)	33.60 (1.31)	44.00 (1.72)	55.70 (2.17)	68.80 (2.68)

Span	11.00 (36.09)	12.00 (39.37)	13.00 (42.65)	14.00 (45.93)	15.00 (49.21)	16.00 (52.49)	18.00 (59.06)	20.00 (65.62)
Centre Point Load (CPL)	789.00 (1739.75)	724.00 (1596.42)	662.00 (1459.71)	614.20 (1354.31)	566.50 (1249.13)	524.30 (1156.08)	452.90 (998.64)	394.40 (869.65)
Deflection	66.20 (2.58)	79.80 (3.11)	94.00 (3.67)	110.50 (4.31)	127.30 (4.96)	145.50 (5.67)	185.90 (7.25)	232.00 (9.05)
Third Point Load (TPL)	574.00 (1265.67)	532.00 (1173.06)	491.00 (1082.66)	451.00 (994.46)	421.00 (928.31)	393.30 (867.23)	339.70 (749.04)	295.80 (652.24)
Deflection	81.00 (3.16)	98.40 (3.84)	116.80 (4.56)	135.60 (5.29)	157.20 (6.13)	180.70 (7.05)	229.20 (8.94)	283.70 (11.06)
Quarter Point Load (QPL)	402.70 (887.95)	365.80 (806.59)	334.30 (737.13)	307.10 (677.16)	283.30 (624.68)	262.20 (578.15)	226.50 (499.43)	197.20 (434.83)
Deflection	79.30 (3.09)	94.60 (3.69)	111.10 (4.33)	129.10 (5.03)	148.50 (5.79)	169.30 (6.60)	215.20 (8.39)	266.90 (10.41)
Fifth Point Load (FPL)	335.60 (740.00)	304.90 (672.30)	278.60 (614.31)	255.90 (564.26)	236.00 (520.38)	218.50 (481.79)	188.70 (416.08)	164.30 (362.28)
Deflection	83.90 (3.27)	100.00 (3.90)	117.40 (4.58)	136.30 (5.32)	156.70 (6.11)	178.50 (6.96)	226.50 (8.83)	280.40 (10.94)
Uniformly Distributed Load (UDL)	146.40 (98.38)	121.90 (81.91)	102.90 (69.15)	87.70 (58.93)	75.50 (50.73)	65.50 (44.01)	50.30 (33.80)	39.40 (26.48)
Deflection	83.30 (3.25)	99.20 (3.87)	116.60 (4.55)	135.30 (5.28)	155.60 (6.07)	177.20 (6.91)	224.90 (8.77)	278.50 (10.86)

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	0.50 (1.64)	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)	4.50 (9.92)	7.70 (16.98)	11.20 (24.69)	14.10 (32.85)	17.20 (37.91)	20.50 (45.20)	23.70 (52.25)	26.90 (59.31)

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



All truss loading calculations are based on:

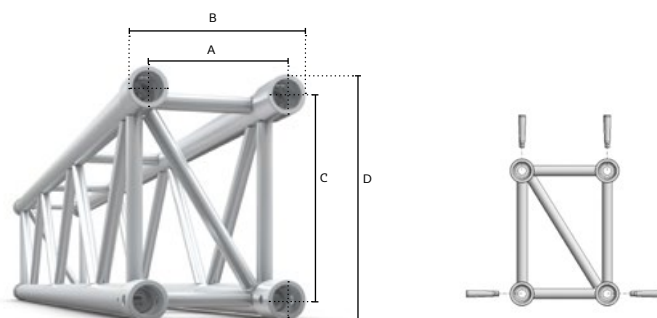
Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural analysis based on EN 1999 • All loading data should be multiplied by 0.85 to comply with BS 7905-2 and ANSI E12-2006 • 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



M400

- Compact, medium-duty M400 series truss range
- Square or compact rectangular format for low storage and transport volume
- Super-sized conical connections for maximum rigidity
- User-friendly tapered pin holes for ease of assembly
- Compatible with 200/400/500/600 series cell clamps
- Powder-coated colour finish available on request
- Great free-span and loading characteristics (up to 20 m / 65.61 ft)
- Connection kit supplied with every truss length and junction

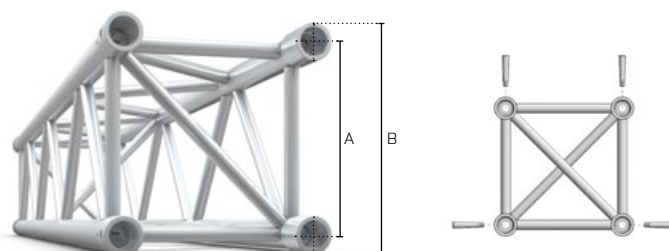
RECT



M400

		Main chords	Diagonals	Alloy	A	B	C	D	Connector
RTO	mm in	50×4 (2×0.16)	25×3 (0.98×0.12)	EN - AW 6082 T6	207 (8.15)	266 (10.47)	299 (11.77)	358 (14.10)	CCO

QUATRO



M400

		Main chords	Diagonals	Alloy	A	B	Connector
QTO	mm in	50×4 (2×0.16)	25×3 (0.98×0.12)	EN - AW 6082 T6	299 (11.77)	358 (14.10)	CCO

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)
RECT	kg (lbs)	6.80 (14.99)	10.80 (23.80)	14.70 (32.58)	18.50 (40.81)	22.50 (49.61)	26.50 (58.42)	34.00 (74.95)
QUATRO	kg (lbs)	7.40 (16.31)	11.90 (26.37)	16.50 (36.37)	20.80 (45.88)	25.30 (55.84)	30.00 (66.25)	38.50 (85.01)

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

M400 RTO RECT

LOADING CHART

Span	m (ft)	4.00 (13.12)	5.00 (16.40)	6.00 (19.69)	7.00 (22.97)	8.00 (26.25)	9.00 (29.53)	10.00 (32.81)
Centre Point Load (CPL)	kg (lbs)	2349.00 (5178.65)	2049.00 (4517.27)	1792.00 (3950.68)	1558.90 (3436.78)	1355.80 (2989.02)	1196.90 (2638.71)	1069.00 (2356.74)
Deflection	mm (in)	8.50 (0.33)	14.50 (0.57)	22.00 (0.87)	30.70 (1.21)	40.10 (1.58)	50.90 (2.00)	63.10 (2.48)
Third Point Load (TPL)	kg (lbs)	1472.00 (3245.20)	1305.00 (2877.03)	1179.00 (2599.25)	1064.00 (2345.72)	976.00 (2151.71)	889.00 (1959.91)	801.70 (1767.44)
Deflection	mm (in)	9.00 (0.35)	15.70 (0.62)	24.70 (0.97)	35.50 (1.40)	48.90 (1.93)	63.80 (2.51)	79.60 (3.13)
Quarter Point Load (QPL)	kg (lbs)	1092.00 (2407.45)	1003.00 (2211.23)	914.10 (2015.24)	779.40 (1718.28)	677.90 (1494.51)	598.50 (1319.47)	534.50 (1178.37)
Deflection	mm (in)	9.40 (0.37)	16.80 (0.66)	26.60 (1.05)	36.30 (1.43)	47.40 (1.87)	60.10 (2.37)	74.30 (2.93)
Fifth Point Load (FPL)	kg (lbs)	875.00 (1929.04)	817.00 (1801.17)	761.70 (1679.26)	649.50 (1431.90)	564.90 (1245.39)	498.70 (1099.44)	445.40 (981.94)
Deflection	mm (in)	9.50 (0.37)	17.50 (0.69)	28.20 (1.11)	38.40 (1.51)	50.20 (1.98)	63.60 (2.50)	78.60 (3.09)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1231.10 (827.26)	881.30 (592.21)	609.40 (409.50)	445.40 (299.29)	339.00 (227.80)	266.00 (178.74)	213.80 (143.67)
Deflection	mm (in)	11.10 (0.44)	19.40 (0.76)	28.00 (1.10)	38.10 (1.50)	49.80 (1.96)	63.10 (2.48)	78.00 (3.07)

Span	11.00 (36.09)	12.00 (39.37)	13.00 (42.65)	14.00 (45.93)	15.00 (49.21)	16.00 (52.49)	18.00 (59.06)	20.00 (65.62)
Centre Point Load (CPL)	963.50 (2124.15)	874.80 (1928.60)	799.20 (1761.93)	733.70 (1617.53)	676.30 (1490.98)	625.60 (1379.21)	539.60 (1189.61)	469.10 (1034.19)
Deflection	76.50 (3.01)	91.40 (3.60)	107.70 (4.24)	125.40 (4.94)	144.50 (5.69)	165.20 (6.50)	211.20 (8.31)	263.60 (10.38)
Third Point Load (TPL)	722.60 (1593.06)	656.10 (1446.45)	599.40 (1321.45)	550.30 (1213.20)	507.30 (1118.40)	469.20 (1034.41)	404.70 (892.21)	351.80 (775.59)
Deflection	96.40 (3.80)	114.90 (4.52)	134.90 (5.31)	156.60 (6.17)	179.90 (7.08)	205.00 (8.07)	260.00 (10.24)	321.80 (12.67)
Quarter Point Load (QPL)	481.70 (1061.97)	437.40 (964.30)	399.60 (880.97)	366.80 (808.65)	338.20 (745.60)	312.80 (689.61)	269.80 (594.81)	234.60 (517.20)
Deflection	90.00 (3.54)	107.20 (4.22)	126.10 (4.96)	146.50 (5.77)	168.40 (6.63)	192.00 (7.56)	244.10 (9.61)	302.90 (11.93)
Fifth Point Load (FPL)	401.40 (884.93)	364.50 (803.58)	333.00 (734.14)	305.70 (673.95)	281.80 (621.26)	260.70 (574.74)	224.90 (495.82)	195.50 (431.00)
Deflection	95.20 (3.75)	113.40 (4.46)	133.20 (5.24)	154.60 (6.09)	177.70 (7.00)	202.40 (7.97)	256.90 (10.11)	318.10 (12.52)
Uniformly Distributed Load (UDL)	175.20 (117.73)	145.80 (97.97)	122.90 (82.58)	104.80 (70.42)	90.20 (60.61)	78.20 (52.55)	60.00 (40.32)	46.90 (31.52)
Deflection	94.40 (3.72)	112.50 (4.43)	132.20 (5.20)	153.50 (6.04)	176.40 (6.94)	201.00 (7.91)	255.10 (10.04)	316.00 (12.44)

M400 QTO QUATRO

LOADING CHART

Span	m (ft)	4.00 (13.12)	5.00 (16.40)	6.00 (19.69)	7.00 (22.97)	8.00 (26.25)	9.00 (29.53)	10.00 (32.81)
Centre Point Load (CPL)	kg (lbs)	2348.00 (5176.45)	2048.00 (4515.06)	1790.00 (3946.27)	1556.60 (3431.71)	1353.30 (2983.51)	1194.10 (2632.54)	1065.80 (2349.68)
Deflection	mm (in)	8.50 (0.33)	14.50 (0.57)	22.10 (0.87)	30.70 (1.21)	40.20 (1.58)	51.00 (2.01)	63.10 (2.48)
Third Point Load (TPL)	kg (lbs)	1471.00 (3243.00)	1305.00 (2877.03)	1178.00 (2597.04)	1062.00 (2341.31)	964.00 (2125.25)	887.00 (1955.50)	799.30 (1762.15)
Deflection	mm (in)	9.00 (0.35)	15.70 (0.62)	24.70 (0.97)	35.50 (1.40)	48.40 (1.91)	63.90 (2.52)	79.70 (3.14)
Quarter Point Load (QPL)	kg (lbs)	1091.00 (2405.24)	1002.00 (2209.03)	913.10 (2013.04)	778.30 (1715.86)	676.60 (1491.65)	597.00 (1316.16)	532.90 (1174.84)
Deflection	mm (in)	9.40 (0.37)	16.80 (0.66)	26.60 (1.05)	36.30 (1.43)	47.40 (1.87)	60.10 (2.37)	74.30 (2.93)
Fifth Point Load (FPL)	kg (lbs)	875.00 (587.97)	816.00 (548.33)	760.90 (511.30)	648.60 (435.84)	563.90 (378.92)	497.50 (334.30)	444.10 (298.42)
Deflection	mm (in)	9.50 (0.37)	17.50 (0.69)	28.20 (1.11)	38.40 (1.51)	50.20 (1.98)	63.60 (2.50)	78.60 (3.09)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1230.50 (826.86)	880.70 (591.85)	608.70 (409.00)	444.70 (298.80)	338.30 (277.35)	265.30 (178.25)	213.20 (155.37)
Deflection	mm (in)	11.10 (0.44)	19.40 (0.76)	28.00 (1.10)	38.10 (1.50)	49.80 (1.96)	63.10 (2.48)	78.00 (3.07)

Span	11.00 (36.09)	12.00 (39.37)	13.00 (42.65)	14.00 (45.93)	15.00 (49.21)	16.00 (52.49)	18.00 (59.06)	20.00 (65.62)
Centre Point Load (CPL)	959.90 (2116.21)	871.00 (1920.22)	795.00 (1752.67)	729.20 (1607.61)	671.50 (1480.40)	620.50 (1367.97)	533.90 (1177.05)	462.70 (1020.08)
Deflection	76.60 (3.02)	91.60 (3.61)	107.90 (4.25)	125.60 (4.94)	144.90 (5.70)	165.70 (6.52)	211.90 (8.34)	264.70 (10.42)
Third Point Load (TPL)	720.00 (1587.33)	653.20 (1440.06)	596.20 (1314.39)	546.90 (1205.71)	503.60 (1110.25)	465.40 (1026.03)	400.40 (882.73)	347.00 (765.00)
Deflection	96.50 (3.80)	114.90 (4.52)	135.00 (5.31)	156.70 (6.17)	180.00 (7.09)	205.10 (8.07)	260.20 (10.24)	322.10 (12.68)
Quarter Point Load (QPL)	480.00 (1058.22)	435.50 (960.11)	397.50 (876.34)	364.60 (803.80)	335.80 (740.31)	310.20 (683.87)	266.90 (588.41)	231.30 (509.93)
Deflection	90.00 (3.54)	107.30 (4.22)	126.20 (4.97)	146.60 (5.77)	168.60 (6.64)	192.30 (7.57)	244.50 (9.63)	303.50 (11.95)
Fifth Point Load (FPL)	400.00 (268.79)	362.90 (243.86)	331.20 (222.56)	303.80 (204.14)	279.80 (188.02)	258.50 (173.70)	222.40 (149.45)	192.80 (129.56)
Deflection	95.20 (3.75)	113.40 (4.46)	133.20 (5.24)	154.70 (6.09)	177.80 (7.00)	202.60 (7.98)	257.10 (10.12)	318.40 (12.54)
Uniformly Distributed Load (UDL)	174.50 (117.25)	145.20 (97.60)	122.30 (82.19)	104.20 (70.02)	89.50 (60.14)	77.60 (52.15)	59.30 (39.85)	46.30 (31.10)
Deflection	94.50 (3.72)	112.60 (4.43)	132.30 (5.21)	153.60 (6.05)	176.50 (6.95)	201.10 (7.92)	255.40 (10.06)	316.40 (12.46)



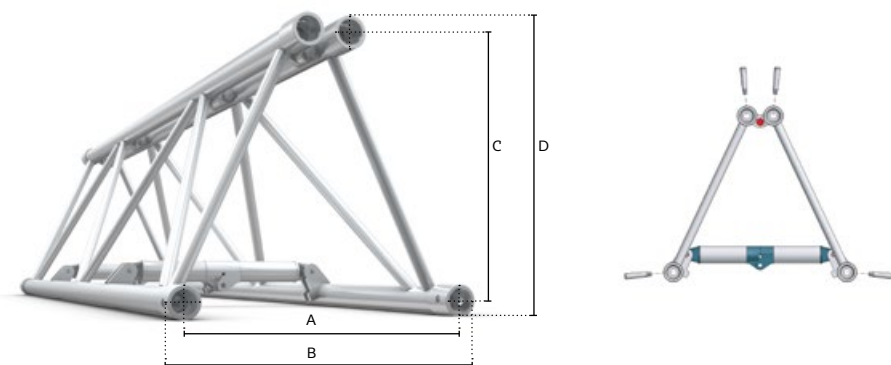
All truss loading calculations are based on:

Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting 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

M520

- High-capacity M520 series truss range
- Square or compact folding formats available
- Super-sized conical connections for maximum rigidity
- User-friendly tapered pin holes for ease of assembly
- Great free-span and loading characteristics (FTP up to 24 m / 78.74 ft and QTP up to 30 m / 98.43 ft)
- Connection kit supplied with every truss length and junction
- Compatible with 200/400/500/600 series cell clamps
- Powder-coated colour finish available on request

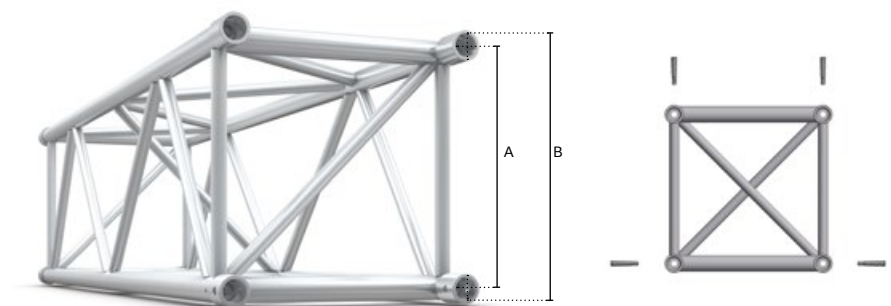
FOLD



M520

	Main chords	Diagonals	Alloy	A	B	C	D	Connector
FTP mm in	50x4 (2x0.16)	25x3 (0.98x0.12)	EN - AW 6082 T6	520 (20.47)	579 (22.80)	470 (18.50)	529 (20.83)	CCO

QUATRO



M520

	Main Chords	Diagonals	Horizontal braces	Alloy	A	B	Connector
QTP mm in	50x4 (2x0.16)	30x3 (1.81x0.12)	50x4 (2x0.16)	EN - AW 6082 T6	470 (18.50)	529 (20.83)	CCO

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	1.00 (3.28)	1.20 (3.94)	1.50 (4.92)	1.60 (5.25)	2.00 (6.56)	2.40 (7.87)	2.50 (8.20)	3.00 (9.84)	3.50 (11.48)	4.00 (13.12)
FOLD	kg (lbs)	13.00 (28.66)	14.40 (31.74)	15.40 (33.95)	19.93 (43.87)	23.20 (51.14)	28.50 (62.85)	29.20 (63.93)	32.00 (70.55)	34.20 (75.39)	-
QUATRO	kg (lbs)	17.00 (37.48)	18.50 (40.78)	22.50 (49.60)	22.60 (49.82)	27.60 (60.85)	31.60 (69.69)	33.00 (72.75)	38.30 (84.44)	44.00 (97.00)	49.00 (108.03)

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

M520 FTP FOLD

LOADING CHART

Span	m (ft)	4.00 (13.12)	6.00 (19.69)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)
Centre Point Load (CPL)	kg (lbs)	2584.90 (5698.72)	2308.00 (5088.26)	1927.00 (4248.30)	1627.00 (3586.92)	1393.70 (3072.58)
Deflection	mm (in)	3.80 (0.15)	11.60 (0.46)	23.20 (0.91)	38.80 (1.53)	58.40 (2.30)
Third Point Load (TPL)	kg (lbs)	1292.40 (2849.25)	1282.30 (2826.98)	1221.00 (2691.84)	1073.00 (2365.56)	951.00 (2096.59)
Deflection	mm (in)	3.30 (0.13)	11.00 (0.43)	25.00 (0.98)	43.40 (1.71)	67.30 (2.65)
Quarter Point Load (QPL)	kg (lbs)	861.60 (1899.50)	854.90 (1884.73)	848.20 (1869.96)	841.40 (1854.97)	696.90 (1536.40)
Deflection	mm (in)	3.00 (0.12)	10.20 (0.40)	24.20 (0.95)	47.30 (1.86)	68.70 (2.70)
Fifth Point Load (FPL)	kg (lbs)	646.20 (1424.63)	641.20 (1413.60)	636.10 (1402.36)	631.10 (1391.34)	580.70 (1280.22)
Deflection	mm (in)	2.90 (0.11)	9.80 (0.39)	23.20 (0.91)	45.20 (1.78)	72.70 (2.86)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	646.20 (434.23)	427.40 (287.20)	318.10 (213.75)	252.40 (169.60)	208.70 (140.24)
Deflection	mm (in)	2.40 (0.09)	8.10 (0.32)	19.30 (0.76)	37.70 (1.48)	65.10 (2.56)

Span	14.00 (45.93)	16.00 (52.49)	18.00 (59.06)	20.00 (65.62)	22.00 (72.18)	24.00 (78.74)
Centre Point Load (CPL)	1175.90 (2592.41)	1010.00 (2226.67)	878.70 (1937.20)	771.60 (1701.08)	682.20 (1503.99)	606.00 (1336.00)
Deflection	79.90 (3.15)	105.00 (4.13)	133.90 (5.27)	166.70 (6.56)	203.50 (8.01)	244.60 (9.63)
Third Point Load (TPL)	855.00 (1884.95)	757.50 (1670.00)	659.00 (1452.84)	578.70 (1275.81)	511.70 (1128.10)	454.50 (1002.00)
Deflection	97.50 (3.84)	131.30 (5.17)	166.40 (6.55)	205.90 (8.11)	249.60 (9.83)	297.80 (11.72)
Quarter Point Load (QPL)	587.90 (1296.10)	505.00 (1113.33)	439.30 (968.49)	385.80 (850.54)	341.10 (752.00)	303.00 (668.00)
Deflection	93.70 (3.69)	122.80 (4.83)	155.90 (6.14)	193.10 (7.60)	234.60 (9.24)	280.50 (11.04)
Fifth Point Load (FPL)	489.90 (1080.04)	420.80 (927.70)	366.10 (807.11)	321.50 (708.79)	284.30 (626.77)	252.50 (556.67)
Deflection	99.10 (3.90)	129.60 (5.10)	164.40 (6.47)	203.40 (8.01)	246.70 (9.71)	294.40 (11.59)
Uniformly Distributed Load (UDL)	168.00 (112.89)	126.20 (84.80)	97.60 (65.58)	77.20 (51.88)	62.00 (41.66)	50.50 (33.93)
Deflection	98.30 (3.87)	128.70 (5.07)	163.20 (6.43)	202.00 (7.95)	245.00 (9.65)	292.40 (11.51)

M520 QTP QUATRO

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)
Centre Point Load (CPL)	kg (lbs)	2367.00 (5218.34)	1956.00 (4312.24)	1652.00 (3642.03)	1402.30 (3091.54)	1184.90 (2612.25)	1019.60 (2247.83)
Deflection	mm (in)	11.80 (0.46)	23.40 (0.92)	39.00 (1.54)	58.10 (2.29)	79.60 (3.13)	104.50 (4.11)
Third Point Load (TPL)	kg (lbs)	1451.00 (3198.90)	1257.00 (2771.21)	1098.00 (2420.67)	968.00 (2134.07)	862.00 (1900.38)	764.70 (1685.87)
Deflection	mm (in)	12.30 (0.48)	25.60 (1.01)	44.00 (1.73)	67.80 (2.67)	97.30 (3.83)	130.90 (5.15)
Quarter Point Load (QPL)	kg (lbs)	1083.00 (2387.60)	967.00 (2131.87)	851.50 (1877.23)	701.20 (1545.88)	592.50 (1306.24)	509.80 (1123.92)
Deflection	mm (in)	12.80 (0.50)	27.40 (1.08)	47.50 (1.87)	68.50 (2.70)	93.40 (3.68)	122.40 (4.82)
Fifth Point Load (FPL)	kg (lbs)	866.00 (1909.20)	797.00 (1757.08)	709.60 (1564.40)	584.30 (1288.16)	493.70 (1088.42)	424.80 (936.52)
Deflection	mm (in)	13.10 (0.52)	28.70 (1.13)	50.30 (1.98)	72.50 (2.85)	98.80 (3.89)	129.20 (5.09)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	817.20 (549.13)	537.30 (361.05)	340.60 (228.87)	233.70 (157.04)	169.30 (113.76)	127.50 (85.68)
Deflection	mm (in)	15.20 (0.60)	31.90 (1.26)	49.90 (1.96)	71.90 (2.83)	98.10 (3.86)	128.30 (5.05)

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)
Centre Point Load (CPL)	889.00 (1959.91)	782.70 (1725.56)	694.00 (1530.01)	618.60 (1363.78)	553.40 (1220.04)	496.10 (1093.71)	445.30 (981.72)
Deflection	133.20 (5.24)	165.70 (6.52)	202.10 (7.96)	242.70 (9.56)	287.60 (11.32)	336.90 (13.26)	391.00 (15.39)
Third Point Load (TPL)	666.80 (1470.04)	587.00 (1294.11)	520.50 (1147.50)	463.90 (1022.72)	415.00 (914.92)	372.10 (820.34)	334.00 (736.34)
Deflection	166.00 (6.54)	205.20 (8.08)	248.80 (9.80)	296.70 (11.68)	349.00 (13.74)	405.80 (15.98)	467.00 (18.39)
Quarter Point Load (QPL)	444.50 (979.95)	391.30 (862.67)	347.00 (765.00)	309.30 (681.89)	276.70 (610.02)	248.10 (546.97)	222.70 (490.97)
Deflection	155.30 (6.11)	192.40 (7.57)	233.60 (9.20)	279.20 (10.99)	329.10 (12.96)	383.40 (15.09)	442.30 (17.41)
Fifth Point Load (FPL)	370.40 (816.59)	326.10 (718.93)	289.20 (637.58)	257.70 (568.13)	230.60 (508.39)	206.70 (455.69)	185.60 (409.18)
Deflection	163.90 (6.45)	202.70 (7.98)	245.80 (9.68)	293.30 (11.55)	345.10 (13.59)	401.40 (15.80)	462.20 (18.20)
Uniformly Distributed Load (UDL)	98.80 (66.39)	78.30 (52.62)	63.10 (42.40)	51.50 (34.61)	42.60 (28.63)	35.40 (23.79)	29.70 (19.96)
Deflection	162.70 (6.41)	201.30 (7.93)	244.20 (9.61)	291.30 (11.47)	342.90 (13.50)	398.90 (15.70)	459.40 (18.09)



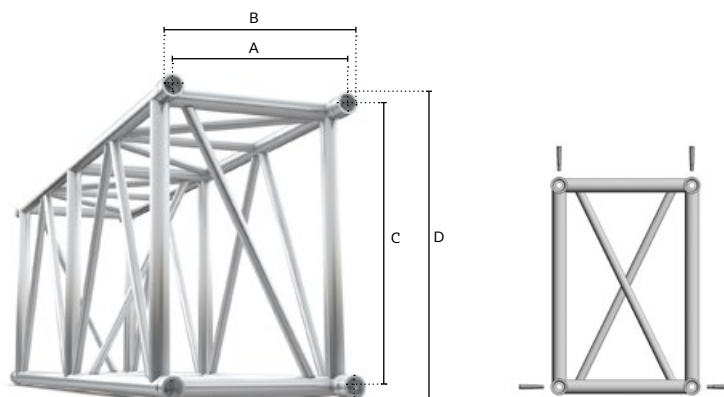
All truss loading calculations are based on:

Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting 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

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 and loading characteristics (up to 32 m / 104.98 ft)
- Connection kit supplied with every truss length and junction
- Compatible with 200/400/500/600 series cell clamps
- Powder-coated colour finish available on request

RECT



M760

	Main chords	Diagonals	Horizontal braces	Alloy	A	B	C	D	Connector
RTP mm in	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/m (lbs/ft)	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 (1048.30)	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/connectors) 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)

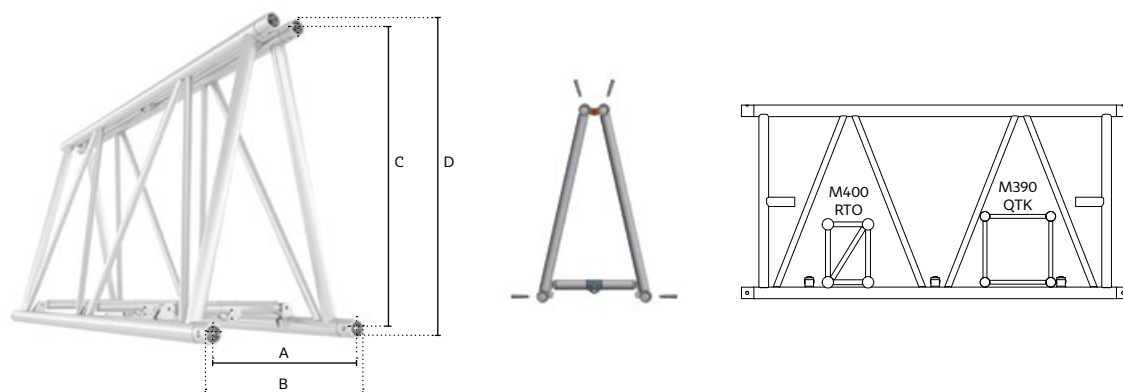
All truss loading calculations are based on:

Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting 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

M950

- New, heavy-duty RTTH available with up to 50% better SWL
- Ultra-high-capacity M950 series truss range
- Great free-span and loading characteristics (FTT, RTT up to 40 m / 131.23 ft, RTTH up to 42 m / 137.79 ft)
- Super-sized conical connections for maximum rigidity
- Transit wheels fitted for ease of transportation and set-up
- User-friendly tapered pin holes for ease of assembly
- Fixed rectangular or compact folding version available
- Connection kit supplied with every truss length
- Compatible with 300 series cell clamps
- Powder-coated colour finish available on request

FOLD



M950

	Main chords	Diagonals	Alloy	A	B	C	D	Connector
FTT	60x6 (2.36x0.24)	32x3 (1.26x0.12)	EN - AW 6082 T6	520 (20.47)	580 (22.84)	940 (37.00)	1000 (39.37)	CCO

M950 FTT FOLD

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)	20.00 (65.62)	22.00 (72.18)
Centre Point Load (CPL)	kg (lbs)	3159.30 (6965.06)	3118.90 (6875.99)	3078.60 (6787.14)	3038.20 (6698.08)	2997.80 (6609.01)	2949.90 (6503.41)	2616.60 (5768.61)	2340.20 (5159.25)
Deflection	mm (in)	5.40 (0.21)	10.60 (0.42)	18.20 (0.72)	28.80 (1.13)	42.80 (1.69)	60.50 (2.38)	75.10 (2.96)	91.40 (3.60)
Third Point Load (TPL)	kg (lbs)	1579.60 (3482.42)	1559.50 (3438.10)	1539.30 (3393.57)	1519.10 (3349.04)	1498.90 (3304.50)	1478.70 (3259.97)	1458.50 (3215.44)	1438.40 (3171.13)
Deflection	mm (in)	4.70 (0.19)	9.10 (0.36)	15.60 (0.61)	24.80 (0.98)	36.90 (1.45)	52.40 (2.06)	71.70 (2.82)	95.20 (3.75)
Quarter Point Load (QPL)	kg (lbs)	1053.10 (2321.69)	1039.60 (2291.92)	1026.20 (2262.38)	1012.70 (2232.62)	999.30 (2203.08)	985.80 (2173.31)	972.40 (2143.77)	958.90 (2114.01)
Deflection	mm (in)	4.30 (0.17)	8.50 (0.33)	14.60 (0.57)	23.10 (0.91)	34.50 (1.36)	49.00 (1.93)	67.10 (2.64)	89.20 (3.51)
Fifth Point Load (FPL)	kg (lbs)	789.80 (1741.21)	779.70 (1718.94)	769.60 (1696.68)	759.50 (1674.41)	749.50 (1652.36)	739.40 (1630.10)	729.30 (1607.83)	719.20 (1585.56)
Deflection	mm (in)	4.10 (0.16)	8.10 (0.32)	14.00 (0.55)	22.20 (0.87)	33.10 (1.30)	47.00 (1.85)	64.40 (2.54)	85.70 (3.37)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	394.90 (265.36)	311.90 (209.59)	256.50 (172.36)	217.00 (145.82)	187.40 (125.93)	164.30 (110.40)	145.90 (98.04)	130.80 (87.89)
Deflection	mm (in)	3.50 (0.14)	6.80 (0.27)	11.70 (0.46)	18.60 (0.73)	27.80 (1.09)	39.70 (1.56)	54.50 (2.15)	72.70 (2.86)

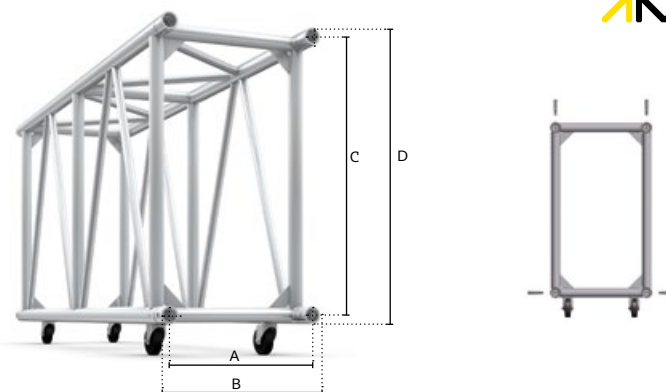
Span	24.00 (78.74)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)	32.00 (104.99)	34.00 (111.55)	36.00 (118.11)	38.00 (124.67)	40.00 (131.23)
Centre Point Load (CPL)	2106.50 (4644.03)	1905.60 (4201.12)	1730.60 (3815.32)	1576.20 (3474.92)	1438.60 (3171.57)	1314.80 (2898.63)	1202.50 (2651.06)	1099.90 (2424.86)	1005.50 (2216.75)
Deflection	109.40 (4.31)	129.30 (5.09)	151.00 (5.94)	174.70 (6.88)	200.40 (7.89)	228.20 (8.98)	258.10 (10.16)	290.30 (11.43)	324.80 (12.79)
Third Point Load (TPL)	1418.20 (3126.59)	1398.00 (3082.06)	1297.90 (2861.38)	1182.10 (2606.08)	1078.90 (2378.56)	986.10 (2173.98)	901.90 (1988.35)	824.90 (1818.59)	754.10 (1662.50)
Deflection	123.30 (4.85)	156.40 (6.16)	185.20 (7.29)	213.00 (8.39)	242.80 (9.56)	274.70 (10.81)	308.60 (12.15)	344.60 (13.57)	382.80 (15.07)
Quarter Point Load (QPL)	945.50 (2084.47)	932.00 (2054.71)	865.30 (1907.66)	788.10 (1737.46)	719.30 (1585.78)	657.40 (1449.32)	601.20 (1325.42)	549.90 (1212.32)	502.80 (1108.48)
Deflection	115.70 (4.56)	146.80 (5.78)	174.10 (6.85)	200.60 (7.90)	229.00 (9.02)	259.60 (10.22)	292.20 (11.50)	327.00 (12.87)	364.00 (14.33)
Fifth Point Load (FPL)	709.10 (1563.30)	699.00 (1541.03)	688.90 (1518.76)	656.70 (1447.77)	599.40 (1321.45)	547.80 (1207.69)	501.00 (1104.51)	458.30 (1010.38)	419.00 (923.74)
Deflection	111.10 (4.37)	141.20 (5.56)	176.10 (6.93)	210.60 (8.29)	240.10 (9.45)	271.70 (10.70)	305.40 (12.02)	341.20 (13.43)	379.10 (14.93)
Uniformly Distributed Load (UDL)	118.20 (79.43)	107.50 (72.24)	98.40 (66.12)	90.50 (60.81)	83.60 (56.18)	77.30 (51.94)	66.80 (44.89)	57.90 (38.91)	50.30 (33.80)
Deflection	94.50 (3.72)	120.30 (4.74)	150.40 (5.92)	185.30 (7.30)	225.20 (8.87)	270.00 (10.63)	303.60 (11.95)	339.20 (13.35)	377.00 (14.84)

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	1.00 (3.28)	1.20 (3.94)	2.00 (6.56)	2.40 (7.87)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)
FTT	kg (lbs)	23.80 (52.49)	27.30 (60.19)	43.10 (95.01)	47.80 (105.38)	-	63.50 (139.99)	-
RTT	kg (lbs)	30.70 (67.73)	34.30 (75.64)	51.90 (114.51)	56.70 (125.16)	-	71.60 (158.05)	-
RTTH	kg (lbs)	32.00 (70.54)	36.00 (79.36)	55.00 (121.25)	60.00 (132.27)	61.20 (134.92)	76.10 (167.77)	98.50 (217.15)

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

RECT



M950

	Main chords	Diagonals	Alloy	A	B	C	D	Connector
RTT	60×6 (2.36×0.24)	32×3 (1.26×0.12)	EN - AW 6082 T6	520 (20.47)	580 (22.84)	940 (37.00)	1000 (39.37)	CCO
RTTH	60×6 (2.36×0.24)	48×3 (1.89×0.12)	EN - AW 6082 T6	520 (20.47)	580 (22.84)	940 (37.00)	1000 (39.37)	CCO

M950 RTT 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)	20.00 (65.62)	22.00 (72.18)
Centre Point Load (CPL)	kg (lbs)	3575.60 (7882.85)	3529.70 (7781.66)	3483.80 (7680.47)	3232.00 (7125.35)	2951.00 (6505.85)	2713.00 (5981.15)	2490.00 (5489.51)	2301.00 (5072.84)
Deflection	mm (in)	6.10 (0.24)	12.00 (0.47)	20.60 (0.81)	30.70 (1.21)	42.60 (1.68)	56.70 (2.23)	72.80 (2.87)	91.50 (3.60)
Third Point Load (TPL)	kg (lbs)	1787.80 (3941.43)	1764.90 (3890.94)	1741.90 (3840.23)	1719.00 (3789.75)	1696.00 (3739.04)	1673.10 (3688.56)	1650.20 (3638.07)	1562.00 (3443.62)
Deflection	mm (in)	5.30 (0.21)	10.30 (0.41)	17.70 (0.69)	28.00 (1.10)	41.70 (1.64)	59.30 (2.33)	81.10 (3.19)	103.90 (4.09)
Quarter Point Load (QPL)	kg (lbs)	1191.90 (2627.69)	1176.60 (2593.96)	1161.30 (2560.23)	1146.00 (2526.50)	1130.70 (2492.77)	1115.40 (2459.04)	1100.10 (2425.31)	1084.80 (2391.58)
Deflection	mm (in)	4.90 (0.19)	9.60 (0.37)	16.50 (0.65)	26.20 (1.03)	39.00 (1.54)	55.50 (2.18)	76.00 (3.00)	101.00 (3.98)
Fifth Point Load (FPL)	kg (lbs)	893.90 (1970.71)	882.40 (1945.36)	871.00 (1920.23)	859.50 (1894.87)	848.00 (1869.52)	836.60 (1844.39)	825.10 (1819.04)	813.60 (1793.68)
Deflection	mm (in)	4.70 (0.19)	9.20 (0.36)	15.80 (0.62)	25.10 (0.99)	37.40 (1.47)	53.20 (2.09)	72.90 (2.87)	97.00 (3.82)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	446.90 (300.30)	353.00 (237.21)	290.30 (195.07)	245.60 (165.03)	212.00 (142.46)	185.90 (124.92)	165.00 (110.87)	147.90 (99.38)
Deflection	mm (in)	3.90 (0.15)	7.70 (0.30)	13.30 (0.52)	21.10 (0.83)	31.50 (1.24)	44.90 (1.77)	61.70 (2.43)	82.30 (3.24)

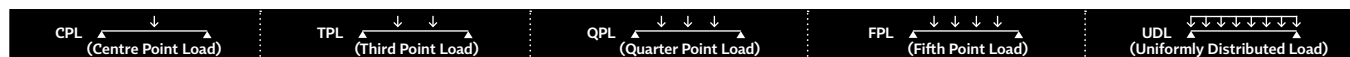
Span	24.00 (78.74)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)	32.00 (104.99)	34.00 (111.55)	36.00 (118.11)	38.00 (124.67)	40.00 (131.23)
Centre Point Load (CPL)	2114.00 (4660.58)	1972.00 (4347.52)	1808.00 (3985.97)	1678.00 (3699.36)	1544.60 (3405.26)	1409.20 (3106.76)	1286.30 (2835.81)	1174.00 (2588.23)	1070.50 (2360.05)
Deflection	111.90 (4.40)	135.90 (5.35)	160.30 (6.31)	188.60 (7.35)	218.20 (8.59)	248.50 (9.78)	281.20 (11.07)	316.40 (12.46)	354.20 (13.95)
Third Point Load (TPL)	1460.00 (3218.75)	1371.00 (3022.54)	1300.00 (2866.01)	1220.00 (2689.64)	1135.00 (2502.25)	1056.90 (2330.07)	964.80 (2127.02)	880.50 (1941.17)	802.90 (1770.09)
Deflection	128.60 (5.06)	156.70 (6.20)	189.30 (7.45)	223.70 (8.81)	259.50 (10.22)	298.30 (11.74)	335.20 (13.20)	374.40 (14.74)	415.90 (16.37)
Quarter Point Load (QPL)	1069.50 (2285.53)	1027.30 (2061.10)	931.80 (1865.11)	847.50 (1691.83)	772.30 (1537.28)	704.60 (1397.73)	643.20 (1270.96)	587.00 (1154.78)	535.30 (1047.64)
Deflection	130.90 (5.15)	162.60 (6.40)	189.20 (7.45)	217.90 (8.58)	248.90 (9.80)	282.10 (11.11)	317.70 (12.51)	355.50 (14.00)	395.80 (15.58)
Fifth Point Load (FPL)	802.20 (1768.55)	790.70 (1743.19)	776.50 (1711.89)	706.20 (1556.91)	643.60 (1418.90)	587.20 (1294.56)	536.00 (1181.68)	489.20 (1078.50)	446.10 (983.48)
Deflection	125.80 (4.95)	159.80 (6.29)	198.80 (7.83)	228.70 (9.00)	260.80 (10.27)	295.20 (11.62)	331.80 (13.06)	370.70 (14.59)	411.90 (16.22)
Uniformly Distributed Load (UDL)	133.70 (89.84)	121.60 (81.71)	111.30 (74.79)	102.40 (68.81)	94.50 (63.50)	82.90 (55.71)	71.50 (48.04)	61.80 (41.53)	53.50 (35.95)
Deflection	107.00 (4.21)	136.20 (5.36)	170.30 (6.70)	209.80 (8.26)	254.90 (10.04)	293.40 (11.55)	329.80 (12.98)	368.60 (14.51)	409.70 (16.13)

M950 RTTH RECT HD

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)	20.00 (65.62)	22.00 (72.18)
Centre Point Load (CPL)	kg (lbs)	4380.00 (9656.25)	3959.00 (8728.11)	3617.00 (7974.13)	3320.00 (7319.35)	3015.00 (6646.94)	2770.00 (6106.81)	2538.00 (5611.34)	2342.00 (5163.23)
Deflection	mm (in)	7.50 (0.29)	13.40 (0.53)	21.40 (0.84)	31.60 (1.24)	43.50 (1.71)	58.00 (2.28)	74.40 (2.93)	93.40 (3.68)
Third Point Load (TPL)	kg (lbs)	2498.00 (5090.47)	2339.00 (4759.78)	2192.00 (4506.25)	2080.00 (4239.49)	1934.00 (3963.91)	1815.00 (3736.84)	1713.00 (3496.53)	1473.00 (3247.41)
Deflection	mm (in)	7.30 (0.26)	13.50 (0.49)	22.00 (0.81)	33.60 (1.23)	47.30 (1.74)	64.10 (2.37)	78.70 (3.10)	99.20 (3.91)
Quarter Point Load (QPL)	kg (lbs)	1768.00 (3897.77)	1679.00 (3701.56)	1585.00 (3494.33)	1513.00 (3335.60)	1435.00 (3163.64)	1369.00 (3018.13)	1297.00 (2859.40)	1234.00 (2720.51)
Deflection	mm (in)	7.20 (0.28)	13.50 (0.53)	22.20 (0.87)	34.00 (1.34)	48.80 (1.92)	67.10 (2.64)	88.50 (3.48)	113.70 (4.48)
Fifth Point Load (FPL)	kg (lbs)	1351.00 (2978.45)	1300.00 (2866.01)	1259.00 (2775.62)	1208.00 (2663.19)	1150.00 (2535.32)	1101.00 (2427.29)	1057.00 (2330.29)	1007.00 (2220.06)
Deflection	mm (in)	7.00 (0.27)	13.30 (0.52)	22.40 (0.88)	34.60 (1.36)	49.70 (1.96)	68.60 (2.70)	91.50 (3.60)	117.70 (4.63)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1134.00 (762.01)	903.00 (606.79)	743.00 (499.27)	600.30 (403.38)	454.00 (305.07)	353.70 (237.68)	282.00 (189.50)	228.90 (153.81)
Deflection	mm (in)	9.60 (0.38)	18.80 (0.74)	32.30 (1.27)	48.80 (1.92)	63.80 (2.51)	80.90 (3.19)	100.00 (3.94)	121.20 (4.77)

Span	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)	32.00 (104.99)	34.00 (111.55)	36.00 (118.11)	38.00 (124.67)	40.00 (131.23)	42.00 (137.79)
Centre Point Load (CPL)	1981.00 (4387.36)	1832.00 (4038.87)	1681.20 (3706.41)	1529.90 (3372.85)	1393.60 (3072.36)	1269.80 (2799.43)	1156.50 (2549.65)	1052.20 (2319.71)	955.50 (2106.52)
Deflection	137.40 (5.41)	163.30 (6.42)	190.60 (7.50)	218.80 (8.61)	249.30 (9.81)	282.20 (11.11)	317.60 (12.50)	355.70 (14.00)	396.50 (15.61)
Third Point Load (TPL)	1409.00 (3106.32)	1319.00 (2907.90)	1236.00 (2724.92)	1147.40 (2529.59)	1045.20 (2304.27)	952.40 (2099.68)	867.40 (1912.29)	789.10 (1739.67)	716.60 (1579.83)
Deflection	161.30 (6.35)	192.80 (7.59)	227.70 (8.96)	263.90 (10.39)	298.60 (11.76)	335.50 (13.21)	374.70 (14.75)	416.30 (16.39)	460.20 (18.11)
Quarter Point Load (QPL)	1021.30 (2251.58)	925.00 (2039.28)	840.00 (1853.20)	765.00 (1686.54)	696.80 (1536.18)	634.90 (1399.72)	578.30 (1274.93)	526.10 (1159.85)	477.80 (1053.37)
Deflection	162.70 (6.41)	189.30 (7.45)	218.20 (8.59)	249.20 (9.81)	282.50 (11.12)	318.20 (12.53)	356.20 (14.02)	396.60 (15.61)	439.50 (17.30)
Fifth Point Load (FPL)	851.10 (1876.35)	771.10 (1699.98)	700.50 (1544.34)	637.50 (1405.45)	580.70 (1280.22)	529.10 (1166.47)	481.90 (1062.41)	438.40 (966.51)	398.10 (877.66)
Deflection	171.10 (6.74)	198.90 (7.83)	228.80 (9.01)	261.00 (10.28)	295.40 (11.63)	332.10 (13.07)	371.10 (14.61)	412.40 (16.24)	456.10 (17.96)
Uniformly Distributed Load (UDL)	157.10 (105.55)	132.20 (88.84)	112.10 (75.33)	95.60 (64.24)	82.00 (55.10)	70.50 (47.37)	60.90 (40.90)	52.60 (35.34)	45.50 (30.57)
Deflection	170.00 (6.69)	197.60 (7.78)	227.40 (8.95)	259.40 (10.21)	293.60 (11.56)	330.20 (13.00)	369.00 (14.53)	410.20 (16.15)	453.80 (17.89)



All truss loading calculations are based on:

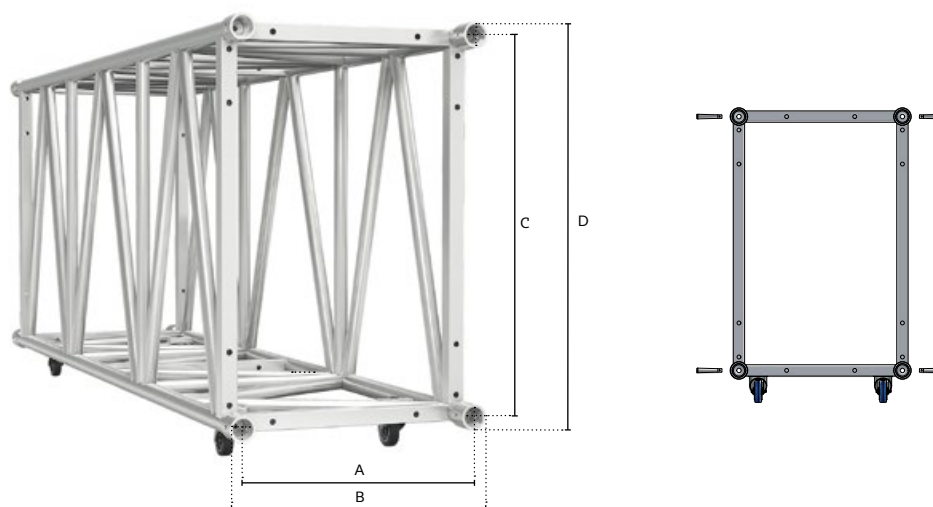
Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural 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

M1200 RTR

The MILOS M1200 RTR truss boasts a maximum 50 m (164.04 ft) span, e.g. over a 36 m (118.12 ft) span, it has an incredible UDL of 120 kg/m (80.63 lbs/ft) with just 278 mm (10.94 in) deflection. It can therefore withstand even the heaviest loads. The M1200 RTR truss series comes with a truss connection made specifically for the MILOS conical connector type R. This enables fast connection for quick, simple and secure assembly.

- Truss equipped with wheels for easy manipulation
- Incredible robustness, strength and reliability
- Suitable if you need a wide-ranging span
- Main chord of Ø 60 mm (2.36 in) enables the use of CELL 300
- End frames designed using rectangular profiles incl. mounting holes for e.g. keder supports, supports for storing and transporting tower truss inside the truss, etc.

RECT



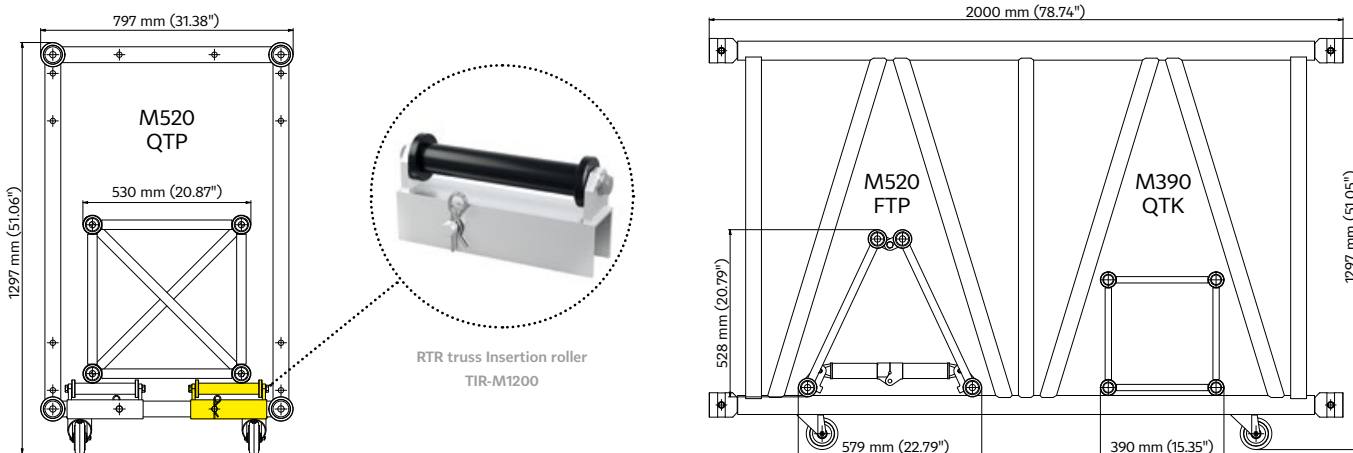
M1200

RTR	mm	in	Main chords	Braces	Alloy	A	B	C	D	Connector
			60×8 (2.36×0.16)	50×4 (2×0.16) and 48×3 (1.89×0.12)	EN - AW 6082 T6	720 (28.35)	797 (31.38)	1118 (44.02)	1195 (47.04)	CCR

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)	5.00	(16.40)
M1200	kg	(lbs)	47.00	(103.62)	57.00	(125.66)	77.00	(169.76)	85.00	(187.39)	107.50	(237.00)	123.00	(271.17)	138.50	(305.34)	169.00	(372.58)

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



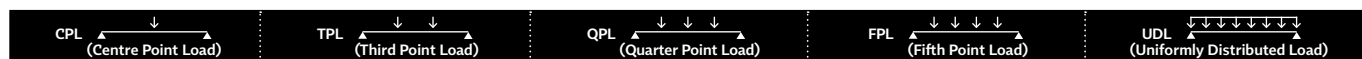
M1200 RTR

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)	20.00 (65.62)	22.00 (72.18)
Centre Point Load (CPL)	kg (lbs)	8678.00 (19131.72)	8622.00 (19008.26)	7709.00 (16995.44)	6560.00 (14462.32)	5692.00 (12548.71)	5011.00 (11047.36)	4461.00 (9834.82)	4006.00 (8831.72)
Deflection	mm (in)	11.00 (0.43)	17.00 (0.67)	24.00 (0.94)	33.00 (1.30)	44.00 (1.73)	56.00 (2.20)	69.00 (2.72)	84.00 (3.31)
Third Point Load (TPL)	kg (lbs)	4342.00 (9572.47)	4315.00 (9512.95)	4288.00 (9453.42)	4260.00 (9391.69)	4233.00 (9332.17)	3758.00 (8284.97)	3346.00 (7376.67)	3005.00 (6624.89)
Deflection	mm (in)	10.00 (0.39)	20.00 (0.79)	31.00 (1.22)	42.00 (1.65)	55.00 (2.17)	70.00 (2.76)	87.00 (3.43)	105.00 (4.13)
Quarter Point Load (QPL)	kg (lbs)	2932.00 (6463.95)	2923.00 (6444.11)	2915.00 (6426.47)	2906.00 (6406.63)	2846.00 (6274.36)	2505.00 (5522.58)	2230.00 (4916.31)	2003.00 (4415.86)
Deflection	mm (in)	10.00 (0.39)	19.00 (0.75)	29.00 (1.14)	39.00 (1.54)	52.00 (2.05)	65.00 (2.56)	81.00 (3.19)	98.00 (3.86)
Fifth Point Load (FPL)	kg (lbs)	2193.00 (4834.74)	2185.00 (4817.10)	2176.00 (4797.26)	2168.00 (4779.62)	2160.00 (4761.98)	2088.00 (4603.25)	1859.00 (4098.39)	1669.00 (3679.52)
Deflection	mm (in)	9.00 (0.35)	18.00 (0.71)	31.00 (1.22)	42.00 (1.65)	55.00 (2.17)	69.00 (2.72)	85.00 (3.35)	103.00 (4.06)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1099.00 (738.50)	876.00 (588.50)	711.00 (477.50)	610.00 (410.00)	532.00 (357.50)	470.00 (318.50)	425.00 (285.50)	364.00 (244.50)
Deflection	mm (in)	5.00 (0.20)	10.00 (0.39)	17.00 (0.67)	27.00 (1.06)	41.00 (1.61)	58.00 (2.28)	81.00 (3.19)	103.00 (4.06)

Span	24.00 (78.74)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)	32.00 (104.99)	34.00 (111.55)	36.00 (118.11)	38.00 (124.67)
Centre Point Load (CPL)	3623.00 (7987.35)	3295.00 (7264.23)	3010.00 (6635.91)	2760.00 (6084.76)	2538.00 (5595.33)	2338.00 (5154.41)	2159.00 (4759.78)	1995.00 (4398.22)
Deflection	100.00 (3.94)	118.00 (4.65)	138.00 (5.43)	159.00 (6.26)	182.00 (7.17)	207.00 (8.15)	233.00 (9.17)	262.00 (10.31)
Third Point Load (TPL)	2717.00 (5989.96)	2471.00 (5447.62)	2258.00 (4978.04)	2070.00 (4563.57)	1903.00 (4195.40)	1754.00 (3866.91)	1619.00 (3569.28)	1496.00 (3298.12)
Deflection	125.00 (4.92)	147.00 (5.79)	170.00 (6.69)	196.00 (7.72)	223.00 (8.78)	252.00 (9.92)	283.00 (11.14)	316.00 (12.44)
Quarter Point Load (QPL)	1812.00 (3994.78)	1648.00 (3633.22)	1505.00 (3317.96)	1380.00 (3042.38)	1269.00 (2797.67)	1169.00 (2577.20)	1079.00 (2378.79)	997.00 (2198.01)
Deflection	117.00 (4.61)	137.00 (5.39)	160.00 (6.30)	184.00 (7.24)	210.00 (8.27)	237.00 (9.33)	267.00 (10.51)	298.00 (11.73)
Fifth Point Load (FPL)	1510.00 (3328.98)	1373.00 (3026.95)	1254.00 (2764.60)	1150.00 (2535.32)	1057.00 (2330.29)	974.00 (2147.30)	899.00 (1981.96)	831.00 (1832.04)
Deflection	123.00 (4.84)	145.00 (5.71)	168.00 (6.61)	193.00 (7.60)	220.00 (8.66)	249.00 (9.80)	280.00 (11.02)	313.00 (12.32)
Uniformly Distributed Load (UDL)	302.00 (203.00)	253.00 (170.00)	215.00 (144.50)	184.00 (123.50)	159.00 (106.50)	138.00 (92.50)	120.00 (80.50)	105.00 (70.50)
Deflection	122.00 (4.80)	144.00 (5.67)	167.00 (6.57)	192.00 (7.56)	219.00 (8.62)	248.00 (9.76)	278.00 (10.94)	311.00 (12.24)

Span	40.00 (131.23)	42.00 (137.79)	44.00 (144.36)	46.00 (150.92)	48.00 (157.48)	50.00 (164.04)
Centre Point Load (CPL)	1845.00 (4067.53)	1707.00 (3763.29)	1579.00 (3481.10)	1460.00 (3218.75)	1349.00 (2974.04)	1245.00 (2744.76)
Deflection	292.00 (11.50)	325.00 (12.80)	360.00 (14.17)	396.00 (15.59)	435.00 (17.13)	477.00 (18.78)
Third Point Load (TPL)	1384.00 (3051.20)	1280.00 (2821.92)	1184.00 (2610.27)	1095.00 (2414.06)	1012.00 (2231.08)	934.00 (2059.12)
Deflection	351.00 (13.82)	388.00 (15.28)	426.00 (16.77)	467.00 (18.39)	509.00 (20.04)	554.00 (21.81)
Quarter Point Load (QPL)	923.00 (2034.87)	854.00 (1882.75)	790.00 (1741.65)	730.00 (1609.37)	675.00 (1488.12)	622.00 (1371.28)
Deflection	332.00 (13.07)	367.00 (14.45)	405.00 (15.94)	444.00 (17.48)	485.00 (19.09)	529.00 (20.83)
Fifth Point Load (FPL)	769.00 (1695.35)	711.00 (1567.49)	658.00 (1450.64)	608.00 (1340.41)	562.00 (1239.00)	519.00 (1144.20)
Deflection	347.00 (13.66)	384.00 (15.12)	422.00 (16.61)	462.00 (18.19)	505.00 (19.88)	549.00 (21.61)
Uniformly Distributed Load (UDL)	92.00 (61.50)	81.00 (54.50)	72.00 (48.00)	63.00 (42.00)	56.00 (37.50)	50.00 (33.50)
Deflection	345.00 (13.58)	381.00 (15.00)	420.00 (16.54)	460.00 (18.11)	502.00 (19.76)	546.00 (21.50)



All truss loading calculations are based on:

Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting 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

Steel trusses

Ultra strength

for ultra-high

loads





Use QR code
for full range

S-M530 Quatro

- 530×530-mm (20.8×20.8-in) tower truss made from bespoke, high-strength steels
- Greatly increased load capacity compared to aluminium truss with similar dimensions for an optimised weight to strength ratio
- Orientation-free connectors for ease of use
- Pinned connectors for increased strength
- End frames with 22-mm (0.86-in) holes for lateral connections on all sides
- Double fork connectors, zinc-coated pins and matt black, impact-resistant industrial paint finish
- Ladder tubes for ease of climbing when used as tower



Fork connector

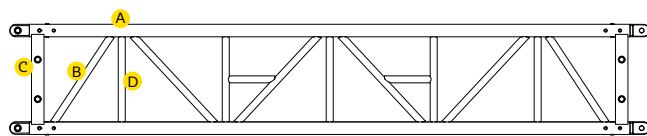
S-M530 Quatro tower truss section

S-QTPT	mm	in	Main chords A:	Diagonals B:	End braces C:	Intermediate cross braces D:	Pin type:
			60.3×4 (2.4×0.16)	33.7×2.6 (1.3×0.1)	60×60×4 (2.4×2.4×0.16)	33.7×2.6 (1.3×0.1)	PQ

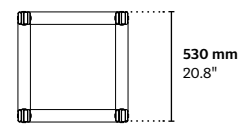
STANDARD LENGTHS AND WEIGHTS AVAILABLE

S-QTPT	m	ft	1.00 (3.28)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)	6.00 (19.68)
	kg	lbs	80.70 (177.91)	118.60 (261.47)	136.70 (301.37)	156.20 (344.36)	204.60 (451.07)	231.30 (509.93)	258.00 (568.79)

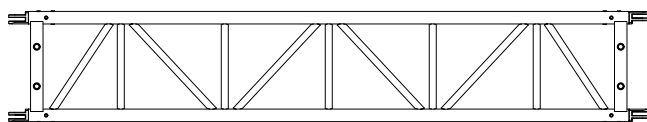
Connection material and packaging are not included in above weights



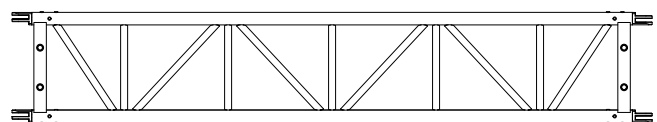
Side view



End view



Top view



Bottom view

S-QTPT

LOADING CHART

Steel trusses

Span	m (ft)	5.00 (16.40)	6.00 (19.70)	7.00 (23.00)	8.00 (26.20)	9.00 (29.50)	10.00 (32.80)	11.00 (36.10)
Centre Point Load (CPL)	kg (lbs)	11655.00 (25695.00)	11606.00 (25587.00)	10210.00 (22509.00)	8887.00 (19592.00)	7853.00 (17313.00)	7021.00 (15479.00)	6335.00 (13966.00)
Deflection	mm (in)	9.00 (0.35)	16.00 (0.63)	23.00 (0.91)	30.00 (1.18)	38.00 (1.50)	47.00 (1.85)	57.00 (2.24)
Third Point Load (TPL)	kg (lbs)	5825.00 (12842.00)	5803.00 (12793.00)	5778.00 (12738.00)	5753.00 (12683.00)	5729.00 (12630.00)	5265.00 (11607.00)	4751.00 (10474.00)
Deflection	mm (in)	8.00 (0.31)	14.00 (0.55)	22.00 (0.87)	33.00 (1.30)	46.00 (1.81)	59.00 (2.32)	71.00 (2.80)
Quarter Point Load (QPL)	kg (lbs)	3885.00 (8565.00)	3869.00 (8530.00)	3852.00 (8492.00)	3836.00 (8457.00)	3819.00 (8419.00)	3510.00 (7738.00)	3168.00 (6984.00)
Deflection	mm (in)	7.00 (0.28)	13.00 (0.51)	20.00 (0.79)	30.00 (1.18)	43.00 (1.69)	55.00 (2.17)	67.00 (2.64)
Fifth Point Load (FPL)	kg (lbs)	2914.00 (6424.00)	2901.00 (6396.00)	2889.00 (6369.00)	2877.00 (6343.00)	2864.00 (6314.00)	2852.00 (6288.00)	2640.00 (5820.00)
Deflection	mm (in)	7.00 (0.28)	12.00 (0.47)	19.00 (0.75)	29.00 (1.14)	41.00 (1.61)	57.00 (2.24)	70.00 (2.76)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2331.00 (1566.00)	1934.00 (1300.00)	1651.00 (1109.00)	1438.00 (966.00)	1273.00 (855.00)	1141.00 (767.00)	1033.00 (694.00)
Deflection	mm (in)	6.00 (0.24)	10.00 (0.39)	16.00 (0.63)	24.00 (0.94)	34.00 (1.34)	47.00 (1.85)	63.00 (2.48)

Span	m (ft)	12.00 (39.40)	13.00 (42.70)	14.00 (45.90)	15.00 (49.20)	16.00 (52.50)	17.00 (55.80)	18.00 (59.10)
Centre Point Load (CPL)	kg (lbs)	5760.00 (12699.00)	5269.00 (11616.00)	4845.00 (10681.00)	4474.00 (9863.00)	4147.00 (9143.00)	3855.00 (8499.00)	3592.00 (7919.00)
Deflection	mm (in)	68.00 (2.68)	79.00 (3.11)	93.00 (3.66)	107.00 (4.21)	122.00 (4.80)	138.00 (5.43)	155.00 (6.10)
Third Point Load (TPL)	kg (lbs)	4320.00 (9524.00)	3952.00 (8713.00)	3634.00 (8012.00)	3356.00 (7399.00)	3110.00 (6856.00)	2891.00 (6374.00)	2694.00 (5939.00)
Deflection	mm (in)	85.00 (3.35)	100.00 (3.94)	116.00 (4.57)	133.00 (5.24)	152.00 (5.98)	171.00 (6.73)	192.00 (7.56)
Quarter Point Load (QPL)	kg (lbs)	2880.00 (6349.00)	2635.00 (5809.00)	2422.00 (5340.00)	2237.00 (4932.00)	2073.00 (4570.00)	1927.00 (4248.00)	1796.00 (3960.00)
Deflection	mm (in)	79.00 (3.11)	93.00 (3.66)	108.00 (4.25)	125.00 (4.92)	142.00 (5.59)	161.00 (6.34)	180.00 (7.09)
Fifth Point Load (FPL)	kg (lbs)	2400.00 (5291.00)	2195.00 (4839.00)	2019.00 (4451.00)	1864.00 (4109.00)	1728.00 (3810.00)	1606.00 (3541.00)	1497.00 (3300.00)
Deflection	mm (in)	84.00 (3.31)	99.00 (3.90)	114.00 (4.49)	131.00 (5.16)	150.00 (5.91)	169.00 (6.65)	190.00 (7.48)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	942.00 (633.00)	811.00 (545.00)	692.00 (465.00)	597.00 (401.00)	518.00 (348.00)	453.00 (304.00)	399.00 (268.00)
Deflection	mm (in)	82.00 (3.23)	98.00 (3.86)	114.00 (4.49)	130.00 (5.12)	149.00 (5.87)	168.00 (6.61)	189.00 (7.44)

Span	m (ft)	19.00 (62.30)	20.00 (65.60)	21.00 (68.90)	22.00 (72.20)	23.00 (75.50)	24.00 (78.70)	25.00 (82.00)
Centre Point Load (CPL)	kg (lbs)	3355.00 (7397.00)	3139.00 (6920.00)	2941.00 (6484.00)	2759.00 (6083.00)	2591.00 (5712.00)	2434.00 (5366.00)	2288.00 (5044.00)
Deflection	mm (in)	174.00 (6.85)	194.00 (7.64)	215.00 (8.46)	237.00 (9.33)	260.00 (10.24)	285.00 (11.22)	311.00 (12.24)
Third Point Load (TPL)	kg (lbs)	2516.00 (5547.00)	2354.00 (5190.00)	2206.00 (4863.00)	2069.00 (4561.00)	1943.00 (4284.00)	1826.00 (4026.00)	1716.00 (3783.00)
Deflection	mm (in)	214.00 (8.43)	238.00 (9.37)	263.00 (10.35)	289.00 (11.38)	316.00 (12.44)	344.00 (13.54)	374.00 (14.72)
Quarter Point Load (QPL)	kg (lbs)	1678.00 (3699.00)	1570.00 (3461.00)	1471.00 (3243.00)	1380.00 (3042.00)	1295.00 (2855.00)	1217.00 (2683.00)	1144.00 (2522.00)
Deflection	mm (in)	201.00 (7.91)	224.00 (8.82)	247.00 (9.72)	272.00 (10.71)	298.00 (11.73)	325.00 (12.80)	354.00 (13.94)
Fifth Point Load (FPL)	kg (lbs)	1398.00 (3082.00)	1308.00 (2884.00)	1226.00 (2703.00)	1150.00 (2535.00)	1079.00 (2379.00)	1014.00 (2235.00)	954.00 (2103.00)
Deflection	mm (in)	212.00 (8.35)	235.00 (9.25)	260.00 (10.24)	285.00 (11.22)	312.00 (12.28)	341.00 (13.43)	370.00 (14.57)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	353.00 (237.00)	314.00 (211.00)	280.00 (188.00)	251.00 (169.00)	225.00 (151.00)	203.00 (136.00)	183.00 (123.00)
Deflection	mm (in)	210.00 (8.27)	233.00 (9.17)	258.00 (10.16)	283.00 (11.14)	310.00 (12.20)	338.00 (13.31)	368.00 (14.49)

Span	m (ft)	26.00 (85.30)	27.00 (88.60)	28.00 (91.90)	29.00 (95.10)	31.00 (101.70)	33.00 (108.30)	35.00 (114.80)
Centre Point Load (CPL)	kg (lbs)	2152.00 (4744.00)	2024.00 (4462.00)	1903.00 (4195.00)	1788.00 (3942.00)	1577.00 (3477.00)	1386.00 (3056.00)	1210.00 (2668.00)
Deflection	mm (in)	339.00 (13.35)	368.00 (14.49)	398.00 (15.67)	430.00 (16.93)	498.00 (19.61)	573.00 (22.56)	655.00 (25.79)
Third Point Load (TPL)	kg (lbs)	1614.00 (3558.00)	1518.00 (3347.00)	1427.00 (3146.00)	1341.00 (2956.00)	1183.00 (2608.00)	1039.00 (2291.00)	908.00 (2002.00)
Deflection	mm (in)	405.00 (15.94)	438.00 (17.24)	472.00 (18.58)	507.00 (19.96)	581.00 (22.87)	661.00 (26.02)	746.00 (29.37)
Quarter Point Load (QPL)	kg (lbs)	1076.00 (2372.00)	1012.00 (2231.00)	951.00 (2097.00)	894.00 (1971.00)	789.00 (1739.00)	693.00 (1528.00)	605.00 (1334.00)
Deflection	mm (in)	384.00 (15.12)	415.00 (16.34)	448.00 (17.64)	482.00 (18.98)	554.00 (21.81)	632.00 (24.88)	716.00 (28.19)
Fifth Point Load (FPL)	kg (lbs)	897.00 (1978.00)	843.00 (1858.00)	793.00 (1748.00)	745.00 (1642.00)	657.00 (1448.00)	577.00 (1272.00)	504.00 (1111.00)
Deflection	mm (in)	401.00 (15.79)	433.00 (17.05)	467.00 (18.39)	502.00 (19.76)	576.00 (22.68)	655.00 (25.79)	740.00 (29.13)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	166.00 (112.00)	150.00 (101.00)	136.00 (91.00)	123.00 (83.00)	102.00 (69.00)	84.00 (56.00)	69.00 (46.00)
Deflection	mm (in)	399.00 (15.71)	431.00 (16.97)	464.00 (18.27)	499.00 (19.65)	573.00 (22.56)	652.00 (25.67)	737.00 (29.02)



All truss loading calculations are based on:

Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 1993-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 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

S-M780 Quatro

- 780×780-mm (30.7×30.7-in) tower truss made from bespoke, high-strength steels
- Greatly increased load capacity compared to aluminium truss with similar dimensions for optimised weight to strength ratio
- Orientation-free connectors for ease of use
- Pinned connectors for increased strength
- End frames with 22-mm (0.86-in) holes for lateral connections on all sides
- Ladder tubes for ease of climbing when used as tower
- Integrated forklift pick-up points, double fork connectors, zinc-coated pins and matt black, impact-resistant industrial paint finish



Forklift pick-up points

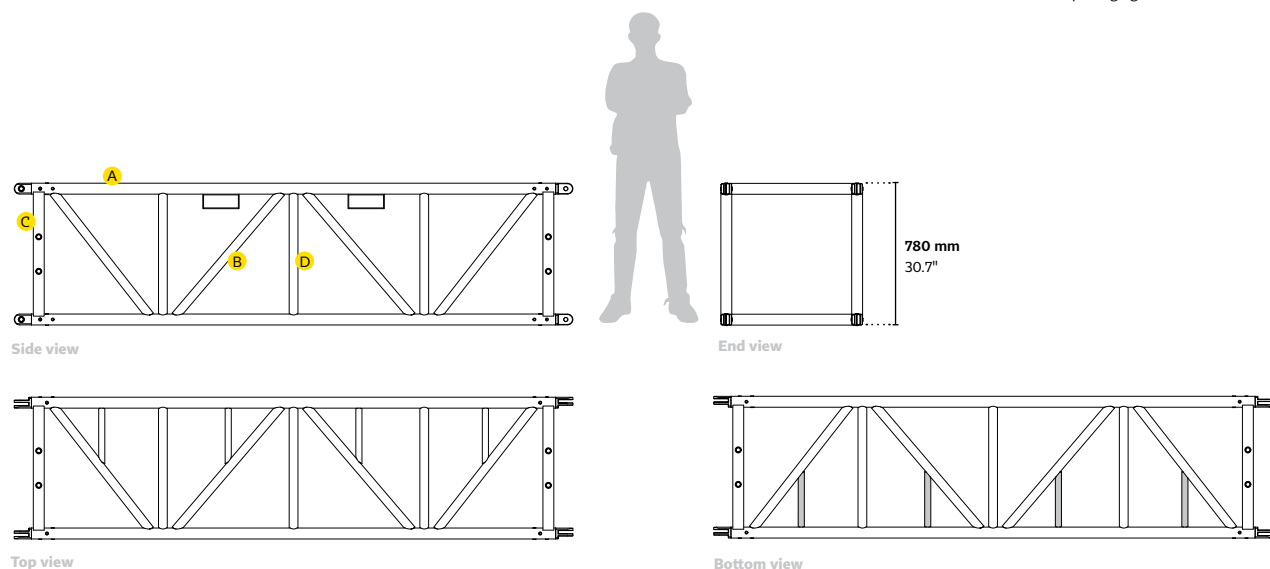
S-M780 Quatro tower truss section

S-QTQT	mm	in	Main chords A:	Diagonals B:	End braces C:	Intermediate cross braces D:	Pin type:
			60.3×4 (24×0.16)	48.3×3.2 (1.9×0.1)	60×60×4 (24×24×0.16)	48.3×3.2 (1.9×0.1)	PQ

STANDARD LENGTHS AND WEIGHTS AVAILABLE

S-QTQT	m	ft	1.00	2.00	2.50	3.00	4.00	5.00	6.00
	kg	lbs	(3.28)	(6.56)	(8.20)	(9.84)	(13.12)	(16.41)	(19.68)
			102.20 (225.31)	164.90 (363.54)	181.60 (400.36)	207.80 (458.12)	259.60 (572.32)	304.00 (670.21)	352.00 (776.03)

Connection material and packaging are not included in above weights



S-QTQT

LOADING CHART

Steel trusses

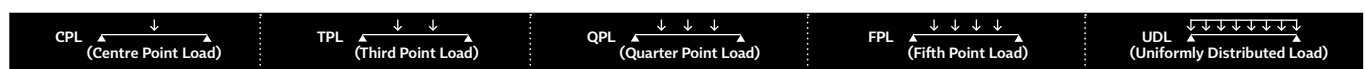
Span	m (ft)	7.00 (23.00)	8.00 (26.20)	9.00 (29.50)	10.00 (32.80)	11.00 (36.10)	12.00 (39.40)	13.00 (42.70)
Centre Point Load (CPL)	kg (lbs)	15719.00 (34654.00)	13695.00 (30192.00)	1214.00 (26707.00)	1083.00 (23905.00)	9797.00 (21599.00)	8920.00 (19665.00)	8173.00 (18018.00)
Deflection	mm (in)	15.00 (0.59)	19.00 (0.75)	25.00 (0.98)	30.00 (1.18)	37.00 (1.46)	44.00 (1.73)	52.00 (2.05)
Third Point Load (TPL)	kg (lbs)	9470.00 (20878.00)	9438.00 (20807.00)	9086.00 (20031.00)	8132.00 (17928.00)	7348.00 (16200.00)	6690.00 (14749.00)	6130.00 (13514.00)
Deflection	mm (in)	15.00 (0.59)	23.00 (0.91)	31.00 (1.22)	39.00 (1.54)	47.00 (1.85)	56.00 (2.20)	65.00 (2.56)
Quarter Point Load (QPL)	kg (lbs)	6313.00 (13918.00)	6292.00 (13871.00)	6057.00 (13353.00)	5421.00 (11951.00)	4899.00 (10800.00)	4460.00 (9833.00)	4087.00 (9010.00)
Deflection	mm (in)	14.00 (0.55)	21.00 (0.83)	29.00 (1.14)	36.00 (1.42)	43.00 (1.69)	52.00 (2.05)	61.00 (2.40)
Fifth Point Load (FPL)	kg (lbs)	4735.00 (10439.00)	4719.00 (10404.00)	4703.00 (10368.00)	4518.00 (9960.00)	4082.00 (8999.00)	3717.00 (8195.00)	3406.00 (7509.00)
Deflection	mm (in)	14.00 (0.55)	20.00 (0.79)	29.00 (1.14)	38.00 (1.50)	46.00 (1.81)	55.00 (2.17)	64.00 (2.52)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2706.00 (1818.00)	2360.00 (1586.00)	2090.00 (1404.00)	1875.00 (1260.00)	1699.00 (1142.00)	1487.00 (999.00)	1257.00 (845.00)
Deflection	mm (in)	11.00 (0.43)	17.00 (0.67)	24.00 (0.94)	33.00 (1.30)	44.00 (1.73)	54.00 (2.13)	64.00 (2.52)

Span	m (ft)	14.00 (45.90)	15.00 (49.20)	16.00 (52.50)	17.00 (55.80)	18.00 (59.10)	19.00 (62.30)	20.00 (65.60)
Centre Point Load (CPL)	kg (lbs)	7529.00 (16599.00)	6966.00 (15357.00)	6470.00 (14264.00)	6028.00 (13289.00)	5632.00 (12416.00)	5274.00 (11627.00)	4949.00 (10911.00)
Deflection	mm (in)	60.00 (2.36)	69.00 (2.72)	79.00 (3.11)	90.00 (3.54)	101.00 (3.98)	113.00 (4.45)	126.00 (4.96)
Third Point Load (TPL)	kg (lbs)	5647.00 (12450.00)	5225.00 (11519.00)	4852.00 (10697.00)	4521.00 (9967.00)	4224.00 (9312.00)	3956.00 (8721.00)	3712.00 (8184.00)
Deflection	mm (in)	76.00 (2.99)	87.00 (3.43)	99.00 (3.90)	112.00 (4.41)	126.00 (4.96)	140.00 (5.51)	155.00 (6.10)
Quarter Point Load (QPL)	kg (lbs)	3764.00 (8298.00)	3483.00 (7679.00)	3235.00 (7132.00)	3014.00 (6645.00)	2816.00 (6208.00)	2637.00 (5814.00)	2474.00 (5454.00)
Deflection	mm (in)	71.00 (2.80)	81.00 (3.19)	93.00 (3.66)	105.00 (4.13)	118.00 (4.65)	131.00 (5.16)	146.00 (5.75)
Fifth Point Load (FPL)	kg (lbs)	3137.00 (6916.00)	2903.00 (6400.00)	2696.00 (5944.00)	2512.00 (5538.00)	2347.00 (5174.00)	2198.00 (4846.00)	2062.00 (4546.00)
Deflection	mm (in)	75.00 (2.95)	86.00 (3.39)	98.00 (3.86)	110.00 (4.33)	124.00 (4.88)	138.00 (5.43)	153.00 (6.02)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1076.00 (723.00)	929.00 (624.00)	809.00 (544.00)	709.00 (476.00)	626.00 (421.00)	555.00 (373.00)	495.00 (333.00)
Deflection	mm (in)	74.00 (2.91)	85.00 (3.35)	97.00 (3.82)	110.00 (4.33)	123.00 (4.84)	137.00 (5.39)	152.00 (5.98)

Span	m (ft)	21.00 (68.90)	22.00 (72.20)	23.00 (75.50)	24.00 (78.70)	25.00 (82.00)	26.00 (85.30)	27.00 (88.60)
Centre Point Load (CPL)	kg (lbs)	4652.00 (10256.00)	4379.00 (9654.00)	4127.00 (9098.00)	3893.00 (8583.00)	3676.00 (8104.00)	3472.00 (7654.00)	3282.00 (7236.00)
Deflection	mm (in)	139.00 (5.47)	153.00 (6.02)	168.00 (6.61)	184.00 (7.24)	201.00 (7.91)	218.00 (8.58)	237.00 (9.33)
Third Point Load (TPL)	kg (lbs)	3489.00 (7692.00)	3284.00 (7240.00)	3095.00 (6823.00)	2920.00 (6437.00)	2757.00 (6078.00)	2604.00 (5741.00)	2462.00 (5428.00)
Deflection	mm (in)	171.00 (6.73)	188.00 (7.40)	206.00 (8.11)	225.00 (8.86)	244.00 (9.61)	264.00 (10.39)	285.00 (11.22)
Quarter Point Load (QPL)	kg (lbs)	2326.00 (5128.00)	2189.00 (4826.00)	2063.00 (4548.00)	1947.00 (4292.00)	1838.00 (4052.00)	1736.00 (3827.00)	1641.00 (3618.00)
Deflection	mm (in)	161.00 (6.34)	177.00 (6.97)	194.00 (7.64)	211.00 (8.31)	230.00 (9.06)	249.00 (9.80)	270.00 (10.63)
Fifth Point Load (FPL)	kg (lbs)	1938.00 (4273.00)	1824.00 (4021.00)	1719.00 (3790.00)	1622.00 (3576.00)	1532.00 (3377.00)	1447.00 (3190.00)	1368.00 (3016.00)
Deflection	mm (in)	169.00 (6.65)	186.00 (7.32)	204.00 (8.03)	222.00 (8.74)	241.00 (9.49)	261.00 (10.28)	282.00 (11.10)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	443.00 (298.00)	398.00 (267.00)	359.00 (241.00)	324.00 (218.00)	294.00 (198.00)	267.00 (179.00)	243.00 (163.00)
Deflection	mm (in)	168.00 (6.61)	185.00 (7.28)	202.00 (7.95)	221.00 (8.70)	240.00 (9.45)	260.00 (10.24)	280.00 (11.02)

Span	m (ft)	28.00 (91.90)	29.00 (95.10)	30.00 (98.40)	31.00 (101.70)	32.00 (105.00)	33.00 (108.30)	34.00 (111.50)
Centre Point Load (CPL)	kg (lbs)	3103.00 (6841.00)	2934.00 (6468.00)	2774.00 (6116.00)	2623.00 (5783.00)	2479.00 (5465.00)	2342.00 (5163.00)	2211.00 (4874.00)
Deflection	mm (in)	256.00 (10.08)	276.00 (10.87)	298.00 (11.73)	320.00 (12.60)	343.00 (13.50)	367.00 (14.45)	392.00 (15.43)
Third Point Load (TPL)	kg (lbs)	2327.00 (5130.00)	2201.00 (4852.00)	2081.00 (4588.00)	1967.00 (4336.00)	1859.00 (4098.00)	1756.00 (3871.00)	1658.00 (3655.00)
Deflection	mm (in)	307.00 (12.09)	330.00 (12.99)	354.00 (13.94)	378.00 (14.88)	404.00 (15.91)	430.00 (16.93)	457.00 (17.99)
Quarter Point Load (QPL)	kg (lbs)	1551.00 (3419.00)	1467.00 (3234.00)	1387.00 (3058.00)	1311.00 (2890.00)	1239.00 (2732.00)	1171.00 (2582.00)	1105.00 (2436.00)
Deflection	mm (in)	291.00 (11.46)	313.00 (12.32)	335.00 (13.19)	359.00 (14.13)	384.00 (15.12)	409.00 (16.10)	436.00 (17.17)
Fifth Point Load (FPL)	kg (lbs)	1293.00 (2851.00)	1223.00 (2696.00)	1156.00 (2549.00)	1093.00 (2410.00)	1033.00 (2277.00)	976.00 (2152.00)	921.00 (2030.00)
Deflection	mm (in)	304.00 (11.97)	327.00 (12.87)	350.00 (13.78)	374.00 (14.72)	400.00 (15.75)	426.00 (16.77)	453.00 (17.83)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	222.00 (149.00)	202.00 (136.00)	185.00 (124.00)	169.00 (114.00)	155.00 (104.00)	142.00 (95.00)	130.00 (87.00)
Deflection	mm (in)	302.00 (11.89)	325.00 (12.80)	348.00 (13.70)	372.00 (14.65)	398.00 (15.67)	424.00 (16.69)	451.00 (17.76)

Span	m (ft)	35.00 (114.80)	36.00 (118.10)	37.00 (121.40)	38.00 (124.70)	39.00 (128.00)	40.00 (131.20)
Centre Point Load (CPL)	kg (lbs)	2085.00 (4597.00)	1965.00 (4332.00)	1850.00 (4079.00)	1739.00 (3834.00)	1632.00 (3598.00)	1529.00 (3371.00)
Deflection	mm (in)	418.00 (16.46)	445.00 (17.52)	474.00 (18.66)	503.00 (19.80)	534.00 (21.02)	566.00 (22.28)
Third Point Load (TPL)	kg (lbs)	1564.00 (3448.00)	1474.00 (3250.00)	1388.00 (3060.00)	1304.00 (2875.00)	1224.00 (2698.00)	1147.00 (2529.00)
Deflection	mm (in)	485.00 (19.09)	514.00 (20.24)	544.00 (21.42)	575.00 (22.64)	607.00 (23.90)	639.00 (25.16)
Quarter Point Load (QPL)	kg (lbs)	1043.00 (2299.00)	983.00 (2167.00)	925.00 (2039.00)	870.00 (1918.00)	816.00 (1799.00)	765.00 (1687.00)
Deflection	mm (in)	463.00 (18.23)	492.00 (19.37)	521.00 (20.51)	552.00 (21.73)	583.00 (22.95)	615.00 (24.21)
Fifth Point Load (FPL)	kg (lbs)	869.00 (1916.00)	819.00 (1806.00)	771.00 (1700.00)	725.00 (1598.00)	680.00 (1499.00)	637.00 (1404.00)
Deflection	mm (in)	481.00 (18.94)	510.00 (20.08)	540.00 (21.26)	570.00 (22.44)	602.00 (23.70)	635.00 (25.00)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	119.00 (80.00)	109.00 (73.00)	100.00 (67.00)	92.00 (62.00)	84.00 (56.00)	76.00 (51.00)
Deflection	mm (in)	478.00 (18.82)	507.00 (19.96)	537.00 (21.14)	568.00 (22.36)	599.00 (23.58)	632.00 (24.88)



All truss loading calculations are based on:
 Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 1993-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 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

S-M1010 Rect

- 1010×580-mm (39.8×22.8-in) rectangular span section made from bespoke, high-strength steels
- 2.7 times higher bending strength compared to aluminium truss with similar dimensions
- Orientation-free connectors for ease of use
- Pinned connectors for increased strength
- End braces with 22-mm (0.86-in) holes for lateral connections
- Optimised truss design for convenient insertion of lateral truss
- Integrated forklift pick-up points, double fork connectors, zinc-coated pins and matt black, impact-resistant industrial paint finish



Forklift pick-up points

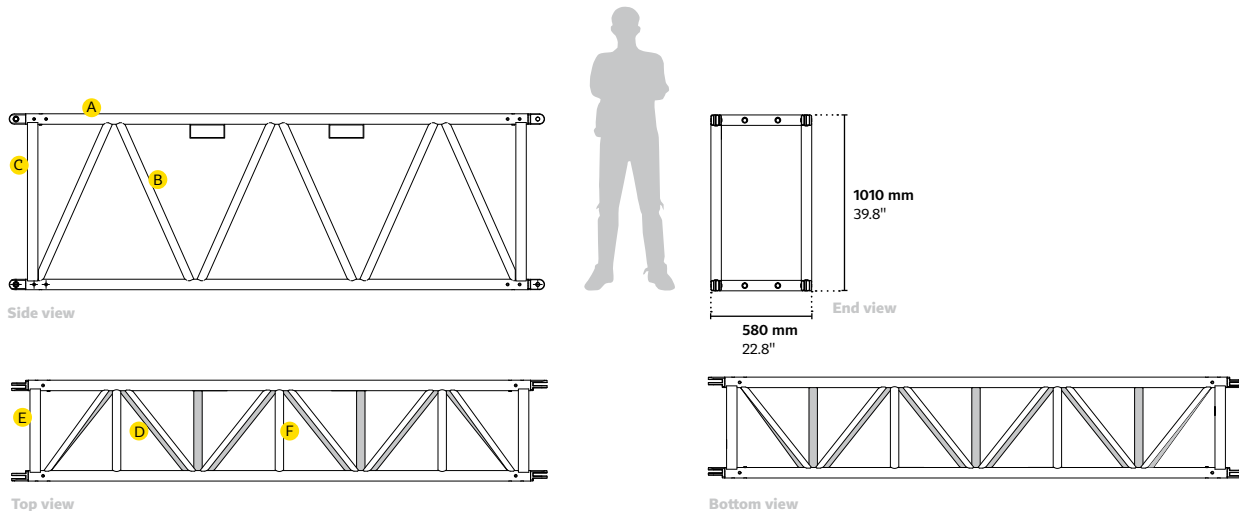
S-M1010 Rectangular truss section

S-RTD	mm	in	Vertical			Horizontal		Pin type: PQ
			Main chords A:	Diagonals B:	End braces C:	Diagonals D:	End braces E:	
			60.3×4 (24×0.16)	48.3×3.2 (1.9×0.1)	60×60×4 (24×24×0.16)	33.7×2.6 (1.3×0.1)	60×60×4 (24×24×0.16)	48.3×3.2 (1.9×0.1)

STANDARD LENGTHS AND WEIGHTS AVAILABLE

S-RTD	m		ft		kg		lbs	
	1.00 (3.28)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)	6.00 (19.68)	
	106.40 (234.57)	150.70 (332.24)	172.90 (381.18)	195.00 (429.90)	239.30 (527.57)	284.00 (626.11)	328.70 (724.66)	

Connection material and packaging are not included in above weights



S-RTD

LOADING CHART

Steel trusses

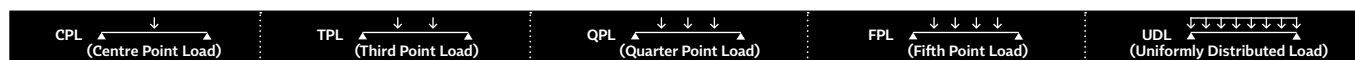
Span	m (ft)	10.00 (32.80)	11.00 (36.10)	12.00 (39.40)	13.00 (42.70)	14.00 (45.90)	15.00 (49.20)	16.00 (52.50)
Centre Point Load (CPL)	kg (lbs)	14407.00 (31762.00)	13037.00 (28742.00)	11890.00 (26213.00)	10915.00 (24063.00)	10075.00 (22212.00)	9342.00 (20596.00)	8697.00 (19174.00)
Deflection	mm (in)	23.00 (0.91)	28.00 (1.10)	33.00 (1.30)	39.00 (1.54)	45.00 (1.77)	52.00 (2.05)	60.00 (2.36)
Third Point Load (TPL)	kg (lbs)	10805.00 (23821.00)	9778.00 (21557.00)	8918.00 (19661.00)	8186.00 (18047.00)	7556.00 (16658.00)	7007.00 (15448.00)	6523.00 (14381.00)
Deflection	mm (in)	29.00 (1.14)	35.00 (1.38)	42.00 (1.65)	49.00 (1.93)	57.00 (2.24)	66.00 (2.60)	75.00 (2.95)
Quarter Point Load (QPL)	kg (lbs)	7204.00 (15882.00)	6519.00 (14372.00)	5945.00 (13106.00)	5458.00 (12033.00)	5037.00 (11105.00)	4671.00 (10298.00)	4349.00 (9588.00)
Deflection	mm (in)	27.00 (1.06)	33.00 (1.30)	39.00 (1.54)	46.00 (1.81)	54.00 (2.13)	62.00 (2.44)	70.00 (2.76)
Fifth Point Load (FPL)	kg (lbs)	5649.00 (12454.00)	5432.00 (11976.00)	4954.00 (10922.00)	4548.00 (10027.00)	4198.00 (9255.00)	3893.00 (8583.00)	3624.00 (7990.00)
Deflection	mm (in)	27.00 (1.06)	35.00 (1.38)	42.00 (1.65)	49.00 (1.93)	57.00 (2.24)	65.00 (2.56)	74.00 (2.91)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2260.00 (1519.00)	2048.00 (1376.00)	1872.00 (1258.00)	1679.00 (1128.00)	1439.00 (967.00)	1246.00 (837.00)	1087.00 (730.00)
Deflection	mm (in)	23.00 (0.91)	30.00 (1.18)	39.00 (1.54)	48.00 (1.89)	56.00 (2.20)	65.00 (2.56)	74.00 (2.91)

Span	m (ft)	17.00 (55.80)	18.00 (59.10)	19.00 (62.30)	20.00 (65.60)	21.00 (68.90)	22.00 (72.20)	23.00 (75.50)
Centre Point Load (CPL)	kg (lbs)	8125.00 (17913.00)	7612.00 (16782.00)	7150.00 (15763.00)	6731.00 (14839.00)	6349.00 (13997.00)	5999.00 (13226.00)	5676.00 (12513.00)
Deflection	mm (in)	68.00 (2.68)	76.00 (2.99)	85.00 (3.35)	94.00 (3.70)	104.00 (4.09)	115.00 (4.53)	126.00 (4.96)
Third Point Load (TPL)	kg (lbs)	6093.00 (13433.00)	5709.00 (12586.00)	5362.00 (11821.00)	5048.00 (11129.00)	4762.00 (10498.00)	4499.00 (9919.00)	4257.00 (9385.00)
Deflection	mm (in)	85.00 (3.35)	95.00 (3.74)	106.00 (4.17)	118.00 (4.65)	130.00 (5.12)	142.00 (5.59)	156.00 (6.14)
Quarter Point Load (QPL)	kg (lbs)	4062.00 (8955.00)	3806.00 (8391.00)	3575.00 (7882.00)	3366.00 (7421.00)	3175.00 (7000.00)	2999.00 (6612.00)	2838.00 (6257.00)
Deflection	mm (in)	79.00 (3.11)	89.00 (3.50)	99.00 (3.90)	110.00 (4.33)	121.00 (4.76)	134.00 (5.28)	146.00 (5.75)
Fifth Point Load (FPL)	kg (lbs)	3385.00 (7463.00)	3172.00 (6993.00)	2979.00 (6568.00)	2805.00 (6184.00)	2645.00 (5831.00)	2500.00 (5512.00)	2365.00 (5214.00)
Deflection	mm (in)	84.00 (3.31)	94.00 (3.70)	105.00 (4.13)	116.00 (4.57)	128.00 (5.04)	141.00 (5.55)	154.00 (6.06)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	956.00 (642.00)	846.00 (568.00)	753.00 (506.00)	673.00 (452.00)	605.00 (407.00)	545.00 (366.00)	494.00 (332.00)
Deflection	mm (in)	83.00 (3.27)	93.00 (3.66)	104.00 (4.09)	115.00 (4.53)	127.00 (5.00)	140.00 (5.51)	153.00 (6.02)

Span	m (ft)	24.00 (78.70)	25.00 (82.00)	26.00 (85.30)	27.00 (88.60)	28.00 (91.90)	29.00 (95.10)	30.00 (98.40)
Centre Point Load (CPL)	kg (lbs)	5378.00 (11856.00)	5101.00 (11246.00)	4843.00 (10677.00)	4602.00 (10146.00)	4376.00 (9647.00)	4163.00 (9178.00)	3962.00 (8735.00)
Deflection	mm (in)	138.00 (5.43)	150.00 (5.91)	163.00 (6.42)	177.00 (6.97)	191.00 (7.52)	205.00 (8.07)	221.00 (8.70)
Third Point Load (TPL)	kg (lbs)	4034.00 (8893.00)	3826.00 (8435.00)	3633.00 (8009.00)	3452.00 (7610.00)	3282.00 (7236.00)	3122.00 (6883.00)	2972.00 (6552.00)
Deflection	mm (in)	170.00 (6.69)	184.00 (7.24)	200.00 (7.87)	216.00 (8.50)	232.00 (9.13)	249.00 (9.80)	267.00 (10.51)
Quarter Point Load (QPL)	kg (lbs)	2689.00 (5928.00)	2551.00 (5624.00)	2422.00 (5340.00)	2301.00 (5073.00)	2188.00 (4824.00)	2082.00 (4590.00)	1981.00 (4367.00)
Deflection	mm (in)	159.00 (6.26)	173.00 (6.81)	188.00 (7.40)	203.00 (7.99)	219.00 (8.62)	235.00 (9.25)	252.00 (9.92)
Fifth Point Load (FPL)	kg (lbs)	2241.00 (4941.00)	2126.00 (4687.00)	2018.00 (4449.00)	1918.00 (4228.00)	1823.00 (4019.00)	1735.00 (3825.00)	1651.00 (3640.00)
Deflection	mm (in)	168.00 (6.61)	182.00 (7.17)	197.00 (7.76)	213.00 (8.39)	229.00 (9.02)	246.00 (9.69)	264.00 (10.39)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	448.00 (301.00)	408.00 (274.00)	373.00 (251.00)	341.00 (229.00)	313.00 (210.00)	287.00 (193.00)	264.00 (177.00)
Deflection	mm (in)	167.00 (6.57)	181.00 (7.13)	196.00 (7.72)	212.00 (8.35)	228.00 (8.98)	245.00 (9.65)	262.00 (10.31)

Span	m (ft)	31.00 (101.70)	32.00 (105.00)	33.00 (108.30)	34.00 (111.50)	35.00 (114.80)	36.00 (118.10)	37.00 (121.40)
Centre Point Load (CPL)	kg (lbs)	3773.00 (8318.00)	3593.00 (7921.00)	3422.00 (7544.00)	3259.00 (7185.00)	3104.00 (6843.00)	2955.00 (6515.00)	2813.00 (6202.00)
Deflection	mm (in)	237.00 (9.33)	254.00 (10.00)	271.00 (10.67)	289.00 (11.38)	308.00 (12.13)	328.00 (12.91)	348.00 (13.70)
Third Point Load (TPL)	kg (lbs)	2829.00 (6237.00)	2695.00 (5941.00)	2566.00 (5657.00)	2444.00 (5388.00)	2328.00 (5132.00)	2217.00 (4888.00)	2110.00 (4652.00)
Deflection	mm (in)	285.00 (11.22)	304.00 (11.97)	324.00 (12.76)	345.00 (13.58)	366.00 (14.41)	387.00 (15.24)	410.00 (16.14)
Quarter Point Load (QPL)	kg (lbs)	1886.00 (4158.00)	1796.00 (3960.00)	1711.00 (3772.00)	1630.00 (3594.00)	1552.00 (3422.00)	1478.00 (3258.00)	1407.00 (3102.00)
Deflection	mm (in)	270.00 (10.63)	288.00 (11.34)	307.00 (12.09)	327.00 (12.87)	347.00 (13.66)	368.00 (14.49)	390.00 (15.35)
Fifth Point Load (FPL)	kg (lbs)	1572.00 (3466.00)	1497.00 (3300.00)	1426.00 (3144.00)	1358.00 (2994.00)	1293.00 (2851.00)	1231.00 (2714.00)	1172.00 (2584.00)
Deflection	mm (in)	282.00 (11.10)	301.00 (11.85)	321.00 (12.64)	341.00 (13.43)	362.00 (14.25)	383.00 (15.08)	406.00 (15.98)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	243.00 (163.00)	225.00 (151.00)	207.00 (139.00)	192.00 (129.00)	177.00 (119.00)	164.00 (110.00)	152.00 (102.00)
Deflection	mm (in)	281.00 (11.06)	299.00 (11.77)	319.00 (12.56)	339.00 (13.35)	360.00 (14.17)	381.00 (15.00)	403.00 (15.87)

Span	m (ft)	38.00 (125.00)	39.00 (128.00)	40.00 (131.00)	41.00 (135.00)	42.00 (138.00)	43.00 (141.00)	45.00 (148.00)
Centre Point Load (CPL)	kg (lbs)	2677.00 (5901.78)	2546.00 (5612.97)	2421.00 (5337.39)	2299.00 (5068.43)	2182.00 (4810.49)	2069.00 (4561.36)	1854.00 (4087.37)
Deflection	mm (in)	369.00 (15.00)	391.00 (15.00)	414.00 (16.00)	438.00 (17.00)	462.00 (18.00)	487.00 (19.00)	540.00 (21.00)
Third Point Load (TPL)	kg (lbs)	2008.00 (4426.88)	1910.00 (4210.83)	1815.00 (4001.39)	1724.00 (3800.77)	1637.00 (3608.97)	1552.00 (3421.57)	1391.00 (3066.63)
Deflection	mm (in)	433.00 (17.00)	456.00 (18.00)	481.00 (19.00)	506.00 (20.00)	532.00 (21.00)	558.00 (22.00)	613.00 (24.00)
Quarter Point Load (QPL)	kg (lbs)	1339.00 (2951.99)	1273.00 (2806.49)	1210.00 (2667.59)	1150.00 (2535.32)	1091.00 (2405.24)	1035.00 (2281.78)	927.00 (2043.69)
Deflection	mm (in)	412.00 (16.00)	435.00 (17.00)	459.00 (18.00)	484.00 (19.00)	509.00 (20.00)	535.00 (21.00)	589.00 (23.00)
Fifth Point Load (FPL)	kg (lbs)	1116.00 (2460.36)	1061.00 (2339.11)	1009.00 (2224.46)	958.00 (2112.03)	909.00 (2004.00)	862.00 (1900.39)	773.00 (1704.17)
Deflection	mm (in)	429.00 (17.00)	452.00 (18.00)	476.00 (19.00)	501.00 (20.00)	527.00 (21.00)	553.00 (22.00)	608.00 (24.00)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	141.00 (94.75)	131.00 (88.03)	121.00 (81.31)	112.00 (75.26)	104.00 (69.88)	96.00 (64.51)	82.00 (55.10)
Deflection	mm (in)	426.00 (16.77)	450.00 (17.72)	474.00 (18.66)	499.00 (19.64)	525.00 (20.66)	551.00 (21.69)	606.00 (23.85)



All truss loading calculations are based on:

Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 1993-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 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

S-M1010 Trio

- 1010×580-mm (39.8×22.8-in) triangular steel truss made from bespoke, high-strength steels
- 2.7 times higher bending strength compared to aluminium truss with similar dimensions
- Can be inserted as cross truss into the larger S-M1450 steel truss
- Orientation-free connectors for ease of use
- Pinned connectors for increased strength
- End brace with 22-mm (0.86-in) holes for connecting e.g. wind bracings
- Optimised truss design for convenient insertion of lateral truss
- Integrated forklift pick-up points, double fork connectors, zinc-coated pins and matt black, impact-resistant industrial paint finish



Fork connectors

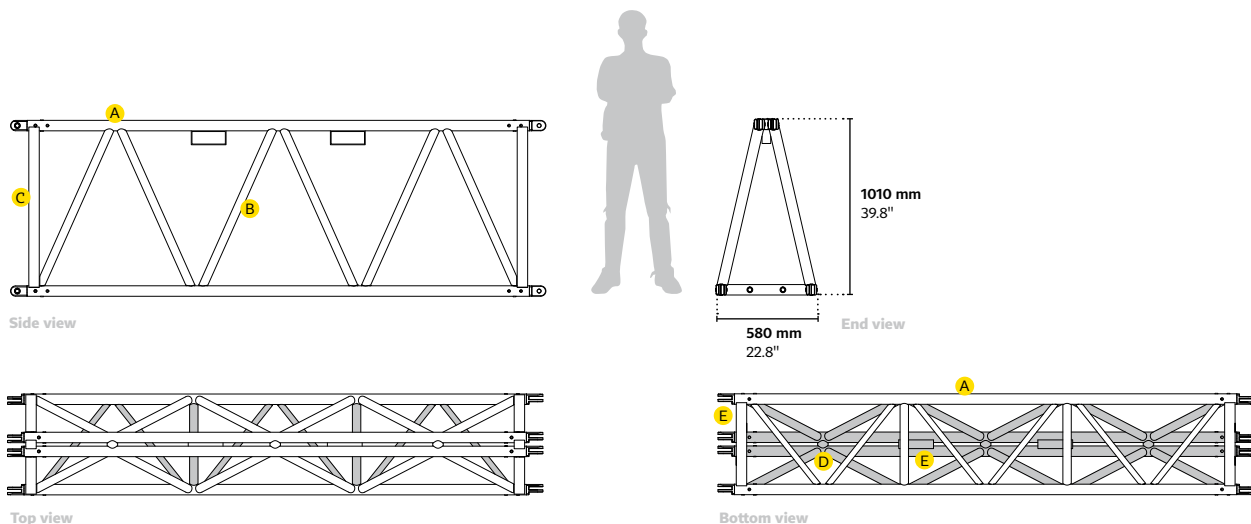
S-M1010 Triangular truss section

S-FTD	mm	in	Vertical			Horizontal		Pin type:	
			Main chords A:	Diagonals B:	End braces C:	Diagonals D:	End braces E:		Intermediate cross braces F:
			60.3×4 (2.4×0.16)	48.3×3.2 (1.9×0.1)	60×60×4 (2.4×2.4×0.16)	33.7×2.6 (1.3×0.1)	60×60×4 (2.4×2.4×0.16)	48.3×3.2 (1.9×0.1)	PQ-FTD & PQ

STANDARD LENGTHS AND WEIGHTS AVAILABLE

S-FTD	m		ft		kg	lbs		
	1.00	2.00	2.50	3.00			4.00	5.00
	3.28	6.56	8.20	9.84	13.12	16.41	19.68	
	95.00 (209.44)	140.90 (310.63)	159.00 (350.53)	176.70 (389.56)	217.60 (479.73)	258.30 (569.45)	299.00 (659.18)	

Connection material and packaging are not included in above weights



S-FTD

LOADING CHART

Steel trusses

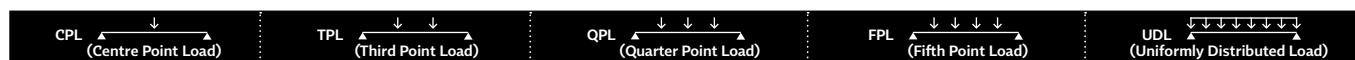
Span	m (ft)	10.00 (32.80)	11.00 (36.10)	12.00 (39.40)	13.00 (42.70)	14.00 (45.90)	15.00 (49.20)	16.00 (52.50)
Centre Point Load (CPL)	kg (lbs)	14407.00 (31762.00)	13037.00 (28742.00)	11890.00 (26213.00)	10915.00 (24063.00)	10075.00 (22212.00)	9342.00 (20596.00)	8697.00 (19174.00)
Deflection	mm (in)	23.00 (0.91)	28.00 (1.10)	33.00 (1.30)	39.00 (1.54)	45.00 (1.77)	52.00 (2.05)	60.00 (2.36)
Third Point Load (TPL)	kg (lbs)	10805.00 (23821.00)	9778.00 (21557.00)	8918.00 (19661.00)	8186.00 (18047.00)	7556.00 (16658.00)	7007.00 (15448.00)	6523.00 (14381.00)
Deflection	mm (in)	29.00 (1.14)	35.00 (1.38)	42.00 (1.65)	49.00 (1.93)	57.00 (2.24)	66.00 (2.60)	75.00 (2.95)
Quarter Point Load (QPL)	kg (lbs)	7204.00 (15882.00)	6519.00 (14372.00)	5945.00 (13106.00)	5458.00 (12033.00)	5037.00 (11105.00)	4671.00 (10298.00)	4349.00 (9588.00)
Deflection	mm (in)	27.00 (1.06)	33.00 (1.30)	39.00 (1.54)	46.00 (1.81)	54.00 (2.13)	62.00 (2.44)	70.00 (2.76)
Fifth Point Load (FPL)	kg (lbs)	5451.00 (12017.00)	5432.00 (11976.00)	4954.00 (10922.00)	4548.00 (10027.00)	4198.00 (9255.00)	3893.00 (8583.00)	3624.00 (7990.00)
Deflection	mm (in)	26.00 (1.02)	35.00 (1.38)	42.00 (1.65)	49.00 (1.93)	57.00 (2.24)	65.00 (2.56)	74.00 (2.91)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2180.00 (465.00)	1976.00 (4328.00)	1806.00 (4124.00)	1663.00 (4117.00)	1439.00 (4967.00)	1246.00 (4837.00)	1087.00 (4730.00)
Deflection	mm (in)	22.00 (0.87)	29.00 (1.14)	38.00 (1.50)	48.00 (1.89)	56.00 (2.20)	65.00 (2.56)	74.00 (2.91)

Span	m (ft)	17.00 (55.80)	18.00 (59.10)	19.00 (62.30)	20.00 (65.60)	21.00 (68.90)	22.00 (72.20)	23.00 (75.50)
Centre Point Load (CPL)	kg (lbs)	8125.00 (17913.00)	7612.00 (16782.00)	7150.00 (15763.00)	6731.00 (14839.00)	6349.00 (13997.00)	5999.00 (13226.00)	5676.00 (12513.00)
Deflection	mm (in)	68.00 (2.68)	76.00 (2.99)	85.00 (3.35)	94.00 (3.70)	104.00 (4.09)	115.00 (4.53)	126.00 (4.96)
Third Point Load (TPL)	kg (lbs)	6093.00 (13433.00)	5709.00 (12586.00)	5362.00 (11821.00)	5048.00 (11129.00)	4762.00 (10498.00)	4499.00 (9919.00)	4257.00 (9385.00)
Deflection	mm (in)	85.00 (3.35)	95.00 (3.74)	106.00 (4.17)	118.00 (4.65)	130.00 (5.12)	142.00 (5.59)	156.00 (6.14)
Quarter Point Load (QPL)	kg (lbs)	4062.00 (8955.00)	3806.00 (8391.00)	3575.00 (7882.00)	3366.00 (7421.00)	3175.00 (7000.00)	2999.00 (6612.00)	2838.00 (6257.00)
Deflection	mm (in)	79.00 (3.11)	89.00 (3.50)	99.00 (3.90)	110.00 (4.33)	121.00 (4.76)	134.00 (5.28)	146.00 (5.75)
Fifth Point Load (FPL)	kg (lbs)	3385.00 (7463.00)	3172.00 (6993.00)	2979.00 (6568.00)	2805.00 (6184.00)	2645.00 (5831.00)	2500.00 (5512.00)	2365.00 (5214.00)
Deflection	mm (in)	84.00 (3.31)	94.00 (3.70)	105.00 (4.13)	116.00 (4.57)	128.00 (5.04)	141.00 (5.55)	154.00 (6.06)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	956.00 (642.00)	846.00 (568.00)	753.00 (506.00)	673.00 (452.00)	605.00 (407.00)	545.00 (366.00)	494.00 (332.00)
Deflection	mm (in)	83.00 (3.27)	93.00 (3.66)	104.00 (4.09)	115.00 (4.53)	127.00 (5.00)	140.00 (5.51)	153.00 (6.02)

Span	m (ft)	24.00 (78.70)	25.00 (82.00)	26.00 (85.30)	27.00 (88.60)	28.00 (91.90)	29.00 (95.10)	30.00 (98.40)
Centre Point Load (CPL)	kg (lbs)	5378.00 (11856.00)	5101.00 (11246.00)	4843.00 (10677.00)	4602.00 (10146.00)	4376.00 (9647.00)	4163.00 (9178.00)	3962.00 (8735.00)
Deflection	mm (in)	138.00 (5.43)	150.00 (5.91)	163.00 (6.42)	177.00 (6.97)	191.00 (7.52)	205.00 (8.07)	221.00 (8.70)
Third Point Load (TPL)	kg (lbs)	4034.00 (8893.00)	3826.00 (8435.00)	3633.00 (8009.00)	3452.00 (7610.00)	3282.00 (7236.00)	3122.00 (6883.00)	2972.00 (6552.00)
Deflection	mm (in)	170.00 (6.69)	184.00 (7.24)	200.00 (7.87)	216.00 (8.50)	232.00 (9.13)	249.00 (9.80)	267.00 (10.51)
Quarter Point Load (QPL)	kg (lbs)	2689.00 (5928.00)	2551.00 (5624.00)	2422.00 (5340.00)	2301.00 (5073.00)	2188.00 (4824.00)	2082.00 (4590.00)	1981.00 (4367.00)
Deflection	mm (in)	159.00 (6.26)	173.00 (6.81)	188.00 (7.40)	203.00 (7.99)	219.00 (8.62)	235.00 (9.25)	252.00 (9.92)
Fifth Point Load (FPL)	kg (lbs)	2241.00 (4941.00)	2126.00 (4687.00)	2018.00 (4449.00)	1918.00 (4228.00)	1823.00 (4019.00)	1735.00 (3825.00)	1651.00 (3640.00)
Deflection	mm (in)	168.00 (6.61)	182.00 (7.17)	197.00 (7.76)	213.00 (8.39)	229.00 (9.02)	246.00 (9.69)	264.00 (10.39)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	448.00 (301.00)	408.00 (274.00)	373.00 (251.00)	341.00 (229.00)	313.00 (210.00)	287.00 (193.00)	264.00 (177.00)
Deflection	mm (in)	167.00 (6.57)	181.00 (7.13)	196.00 (7.72)	212.00 (8.35)	228.00 (8.98)	245.00 (9.65)	262.00 (10.31)

Span	m (ft)	31.00 (101.70)	32.00 (105.00)	33.00 (108.30)	34.00 (111.50)	35.00 (114.80)	36.00 (118.10)	37.00 (121.40)
Centre Point Load (CPL)	kg (lbs)	3773.00 (8318.00)	3593.00 (7921.00)	3422.00 (7544.00)	3259.00 (7185.00)	3104.00 (6843.00)	2955.00 (6515.00)	2813.00 (6202.00)
Deflection	mm (in)	237.00 (9.33)	254.00 (10.00)	271.00 (10.67)	289.00 (11.38)	308.00 (12.13)	328.00 (12.91)	348.00 (13.70)
Third Point Load (TPL)	kg (lbs)	2829.00 (6237.00)	2695.00 (5941.00)	2566.00 (5657.00)	2444.00 (5388.00)	2328.00 (5132.00)	2217.00 (4888.00)	2110.00 (4652.00)
Deflection	mm (in)	285.00 (11.22)	304.00 (11.97)	324.00 (12.76)	345.00 (13.58)	366.00 (14.41)	387.00 (15.24)	410.00 (16.14)
Quarter Point Load (QPL)	kg (lbs)	1886.00 (4158.00)	1796.00 (3960.00)	1711.00 (3772.00)	1630.00 (3594.00)	1552.00 (3422.00)	1478.00 (3258.00)	1407.00 (3102.00)
Deflection	mm (in)	270.00 (10.63)	288.00 (11.34)	307.00 (12.09)	327.00 (12.87)	347.00 (13.66)	368.00 (14.49)	390.00 (15.35)
Fifth Point Load (FPL)	kg (lbs)	1572.00 (3466.00)	1497.00 (3300.00)	1426.00 (3144.00)	1358.00 (2994.00)	1293.00 (2851.00)	1231.00 (2714.00)	1172.00 (2584.00)
Deflection	mm (in)	282.00 (11.10)	301.00 (11.85)	321.00 (12.64)	341.00 (13.43)	362.00 (14.25)	383.00 (15.08)	406.00 (15.98)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	243.00 (163.00)	225.00 (151.00)	207.00 (139.00)	192.00 (129.00)	177.00 (119.00)	164.00 (110.00)	152.00 (102.00)
Deflection	mm (in)	281.00 (11.06)	299.00 (11.77)	319.00 (12.56)	339.00 (13.35)	360.00 (14.17)	381.00 (15.00)	403.00 (15.87)

Span	m (ft)	38.00 (125.00)	39.00 (128.00)	40.00 (131.00)	41.00 (135.00)	42.00 (138.00)	43.00 (141.00)	45.00 (148.00)
Centre Point Load (CPL)	kg (lbs)	2677.00 (5901.78)	2546.00 (5612.97)	2421.00 (5337.39)	2299.00 (5068.43)	2182.00 (4810.49)	2069.00 (4561.36)	1854.00 (4087.37)
Deflection	mm (in)	369.00 (15.00)	391.00 (15.00)	414.00 (16.00)	438.00 (17.00)	462.00 (18.00)	487.00 (19.00)	540.00 (21.00)
Third Point Load (TPL)	kg (lbs)	2008.00 (4426.88)	1910.00 (4210.83)	1815.00 (4001.39)	1724.00 (3800.77)	1637.00 (3608.97)	1552.00 (3421.57)	1391.00 (3066.63)
Deflection	mm (in)	433.00 (17.00)	456.00 (18.00)	481.00 (19.00)	506.00 (20.00)	532.00 (21.00)	558.00 (22.00)	613.00 (24.00)
Quarter Point Load (QPL)	kg (lbs)	1339.00 (2951.99)	1273.00 (2806.49)	1210.00 (2667.59)	1150.00 (2535.32)	1091.00 (2405.24)	1035.00 (2281.78)	927.00 (2043.69)
Deflection	mm (in)	412.00 (16.00)	435.00 (17.00)	459.00 (18.00)	484.00 (19.00)	509.00 (20.00)	535.00 (21.00)	589.00 (23.00)
Fifth Point Load (FPL)	kg (lbs)	1116.00 (2460.36)	1061.00 (2339.11)	1009.00 (2224.46)	958.00 (2112.03)	909.00 (2004.00)	862.00 (1900.39)	773.00 (1704.17)
Deflection	mm (in)	429.00 (17.00)	452.00 (18.00)	476.00 (19.00)	501.00 (20.00)	527.00 (21.00)	553.00 (22.00)	608.00 (24.00)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	141.00 (94.75)	131.00 (88.03)	121.00 (81.31)	112.00 (75.26)	104.00 (69.88)	96.00 (64.51)	82.00 (55.10)
Deflection	mm (in)	426.00 (16.77)	450.00 (17.71)	474.00 (18.66)	499.00 (19.64)	525.00 (20.66)	551.00 (21.69)	606.00 (23.85)



All truss loading calculations are based on:

Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 1993-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 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

S-M1450 Rect

- 1450×770-mm (57.2×30.4-in rectangular truss made from special, ultra-high-strength steel alloys
- 2.2 times more loading capacity than aluminium truss with similar dimensions
- Webbing pattern allows the insertion of cross trusses
- Compression tubes are located at important rigging points
- Orientation-free double fork connector arrangement for ease of use
- End braces with 22-mm (0.86-in) holes for lateral connections
- Pinned connectors for increased strength
- Integrated forklift pick-up points and ladder tubes
- Zinc-coated pins and matt black, impact-resistant industrial paint finish



Forklift pick-up points

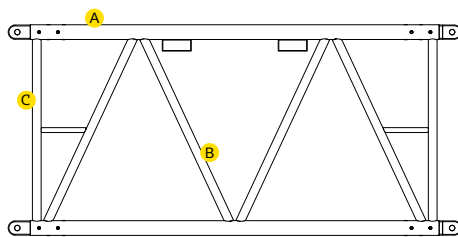
S-M1450 Rectangular truss section

S-RTW	mm	in	Vertical			Horizontal		Pin type:	
			Main chords A:	Diagonals B:	End braces C:	Diagonals D:	End braces E:		Intermediate cross braces F:
			101.6×4 (4×0.16)	60.3×4 (2.4×0.16)	60.3×4 (2.4×0.16)	48.3×3.2 (1.9×0.1)	80×60×4 (3.2×2.4×0.16)	48.3×3.2 (1.9×0.1)	PW

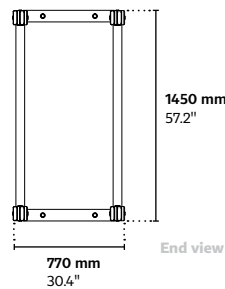
STANDARD LENGTHS AND WEIGHTS AVAILABLE

S-RTW	m		ft		kg	lbs
	1.00	2.00	2.50	3.00		
	3.28	6.56	8.20	9.84	1012.58	1308.88
	222.40	288.60	310.50	375.30	459.30	593.70

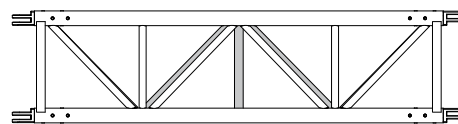
Connection material and packaging are not included in above weights



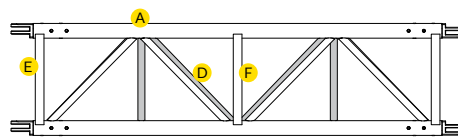
Side view



End view



Top view



Bottom view

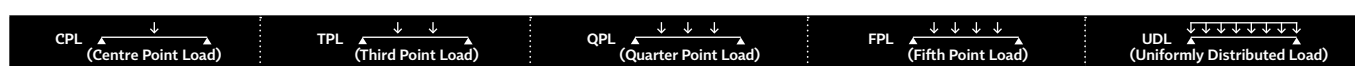
Span	m (ft)	15.00 (49.20)	16.00 (52.50)	17.00 (55.80)	18.00 (59.10)	19.00 (62.30)	20.00 (65.60)	21.00 (68.90)
Centre Point Load (CPL)	kg (lbs)	30379.00 (66974.00)	28367.00 (62539.00)	26584.00 (58608.00)	24994.00 (55102.00)	23564.00 (51950.00)	22272.00 (49101.00)	21097.00 (46511.00)
Deflection	mm (in)	47.00 (1.85)	54.00 (2.13)	61.00 (2.40)	68.00 (2.68)	76.00 (2.99)	85.00 (3.35)	93.00 (3.66)
Third Point Load (TPL)	kg (lbs)	21123.00 (46568.00)	21064.00 (46438.00)	19938.00 (43956.00)	18745.00 (41326.00)	17673.00 (38962.00)	16704.00 (36826.00)	15823.00 (34884.00)
Deflection	mm (in)	56.00 (2.20)	67.00 (2.64)	77.00 (3.03)	86.00 (3.39)	96.00 (3.78)	107.00 (4.21)	118.00 (4.65)
Quarter Point Load (QPL)	kg (lbs)	14082.00 (31046.00)	14043.00 (30960.00)	13292.00 (29304.00)	12497.00 (27551.00)	11782.00 (25975.00)	11136.00 (24551.00)	10549.00 (23257.00)
Deflection	mm (in)	52.00 (2.05)	63.00 (2.48)	72.00 (2.83)	80.00 (3.15)	90.00 (3.54)	99.00 (3.90)	110.00 (4.33)
Fifth Point Load (FPL)	kg (lbs)	10561.00 (23283.00)	10532.00 (23219.00)	10503.00 (23155.00)	10414.00 (22959.00)	9819.00 (21647.00)	9280.00 (20459.00)	8791.00 (19381.00)
Deflection	mm (in)	50.00 (1.97)	60.00 (2.36)	72.00 (2.83)	85.00 (3.35)	95.00 (3.74)	105.00 (4.13)	116.00 (4.57)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2816.00 (1892.00)	2633.00 (1769.00)	2471.00 (1660.00)	2327.00 (1564.00)	2199.00 (1478.00)	2083.00 (1400.00)	1978.00 (1329.00)
Deflection	mm (in)	41.00 (1.61)	50.00 (1.97)	60.00 (2.36)	71.00 (2.80)	84.00 (3.31)	98.00 (3.86)	113.00 (4.45)

Span	m (ft)	22.00 (72.20)	23.00 (75.50)	24.00 (78.70)	25.00 (82.00)	26.00 (85.30)	27.00 (88.60)	28.00 (91.90)
Centre Point Load (CPL)	kg (lbs)	20024.00 (44145.00)	19039.00 (41974.00)	18131.00 (39972.00)	17291.00 (38120.00)	16511.00 (36401.00)	15785.00 (34800.00)	15106.00 (33303.00)
Deflection	mm (in)	103.00 (4.06)	113.00 (4.45)	123.00 (4.84)	134.00 (5.28)	145.00 (5.71)	157.00 (6.18)	169.00 (6.65)
Third Point Load (TPL)	kg (lbs)	15018.00 (33109.00)	14279.00 (31480.00)	13598.00 (29978.00)	12968.00 (28590.00)	12384.00 (27302.00)	11839.00 (26101.00)	11330.00 (24978.00)
Deflection	mm (in)	129.00 (5.08)	141.00 (5.55)	154.00 (6.06)	167.00 (6.57)	181.00 (7.13)	195.00 (7.68)	210.00 (8.27)
Quarter Point Load (QPL)	kg (lbs)	10012.00 (22073.00)	9519.00 (20986.00)	9066.00 (19987.00)	8646.00 (19061.00)	8256.00 (18201.00)	7893.00 (17401.00)	7553.00 (16652.00)
Deflection	mm (in)	121.00 (4.76)	132.00 (5.20)	144.00 (5.67)	156.00 (6.14)	169.00 (6.65)	182.00 (7.17)	196.00 (7.72)
Fifth Point Load (FPL)	kg (lbs)	8343.00 (18393.00)	7933.00 (17489.00)	7555.00 (16656.00)	7205.00 (15884.00)	6880.00 (15168.00)	6577.00 (14500.00)	6294.00 (13876.00)
Deflection	mm (in)	127.00 (5.00)	139.00 (5.47)	152.00 (5.98)	165.00 (6.50)	178.00 (7.01)	192.00 (7.56)	207.00 (8.15)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1820.00 (1223.00)	1656.00 (1113.00)	1511.00 (1015.00)	1383.00 (929.00)	1270.00 (853.00)	1169.00 (786.00)	1079.00 (725.00)
Deflection	mm (in)	126.00 (4.96)	138.00 (5.43)	151.00 (5.94)	164.00 (6.46)	177.00 (6.97)	191.00 (7.52)	206.00 (8.11)

Span	m (ft)	29.00 (95.10)	30.00 (98.40)	31.00 (101.70)	32.00 (105.00)	33.00 (108.30)	34.00 (111.50)	35.00 (114.80)
Centre Point Load (CPL)	kg (lbs)	14470.00 (31901.00)	13873.00 (30585.00)	13310.00 (29344.00)	12779.00 (28173.00)	12277.00 (27066.00)	11800.00 (26015.00)	11348.00 (25018.00)
Deflection	mm (in)	182.00 (7.17)	195.00 (7.68)	209.00 (8.23)	223.00 (8.78)	238.00 (9.37)	253.00 (9.96)	269.00 (10.59)
Third Point Load (TPL)	kg (lbs)	10853.00 (23927.00)	10405.00 (22939.00)	9983.00 (22009.00)	9585.00 (21131.00)	9208.00 (20300.00)	8850.00 (19511.00)	8511.00 (18764.00)
Deflection	mm (in)	225.00 (8.86)	241.00 (9.49)	258.00 (10.16)	275.00 (10.83)	292.00 (11.50)	310.00 (12.20)	329.00 (12.95)
Quarter Point Load (QPL)	kg (lbs)	7235.00 (15950.00)	6937.00 (15293.00)	6655.00 (14672.00)	6390.00 (14088.00)	6138.00 (13532.00)	5900.00 (13007.00)	5674.00 (12509.00)
Deflection	mm (in)	211.00 (8.31)	226.00 (8.90)	242.00 (9.53)	258.00 (10.16)	275.00 (10.83)	292.00 (11.50)	310.00 (12.20)
Fifth Point Load (FPL)	kg (lbs)	6029.00 (13292.00)	5780.00 (12743.00)	5546.00 (12227.00)	5325.00 (11740.00)	5115.00 (11277.00)	4917.00 (10840.00)	4728.00 (10423.00)
Deflection	mm (in)	222.00 (8.74)	238.00 (9.37)	254.00 (10.00)	271.00 (10.67)	289.00 (11.38)	307.00 (12.09)	325.00 (12.80)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	998.00 (671.00)	925.00 (622.00)	859.00 (577.00)	799.00 (537.00)	744.00 (500.00)	694.00 (466.00)	648.00 (435.00)
Deflection	mm (in)	221.00 (8.70)	236.00 (9.29)	253.00 (9.96)	269.00 (10.59)	287.00 (11.30)	305.00 (12.01)	323.00 (12.72)

Span	m (ft)	36.00 (95.10)	37.00 (121.40)	38.00 (124.70)	39.00 (128.00)	40.00 (131.20)	41.00 (134.50)	42.00 (137.80)
Centre Point Load (CPL)	kg (lbs)	10917.00 (31901.00)	10507.00 (23164.00)	10150.00 (22300.00)	9740.00 (21473.00)	9381.00 (20682.00)	9037.00 (19923.00)	8706.00 (19193.00)
Deflection	mm (in)	286.00 (7.17)	303.00 (11.93)	321.00 (12.64)	339.00 (13.35)	358.00 (14.09)	377.00 (14.84)	397.00 (15.63)
Third Point Load (TPL)	kg (lbs)	8188.00 (23927.00)	7880.00 (17372.00)	7586.00 (16724.00)	7305.00 (16105.00)	7036.00 (15512.00)	6778.00 (14943.00)	6529.00 (14394.00)
Deflection	mm (in)	349.00 (8.86)	368.00 (14.49)	389.00 (15.31)	410.00 (16.14)	432.00 (17.01)	454.00 (17.87)	477.00 (18.78)
Quarter Point Load (QPL)	kg (lbs)	5459.00 (15950.00)	5253.00 (11581.00)	5057.00 (11149.00)	4870.00 (10737.00)	4691.00 (10342.00)	4518.00 (9960.00)	4353.00 (9597.00)
Deflection	mm (in)	328.00 (8.31)	347.00 (13.66)	367.00 (14.45)	387.00 (15.24)	408.00 (16.06)	429.00 (16.89)	451.00 (17.76)
Fifth Point Load (FPL)	kg (lbs)	4549.00 (13292.00)	4378.00 (9652.00)	4215.00 (9292.00)	4058.00 (8946.00)	3909.00 (8618.00)	3765.00 (8300.00)	3627.00 (7996.00)
Deflection	mm (in)	345.00 (8.74)	364.00 (14.33)	385.00 (15.16)	405.00 (15.94)	427.00 (16.81)	449.00 (17.68)	472.00 (18.58)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	607.00 (671.00)	568.00 (382.00)	532.00 (357.00)	499.00 (335.00)	469.00 (315.00)	441.00 (296.00)	415.00 (279.00)
Deflection	mm (in)	342.00 (8.70)	362.00 (14.25)	382.00 (15.04)	403.00 (15.87)	424.00 (16.69)	446.00 (17.56)	469.00 (18.46)

Span	m (ft)	43.00 (141.00)	44.00 (144.00)	45.00 (148.00)	46.00 (151.00)	47.00 (154.00)	48.00 (157.00)	50.00 (164.00)
Centre Point Load (CPL)	kg (lbs)	8388.00 (18492.38)	8082.00 (17817.76)	7786.00 (17165.19)	7501.00 (16536.88)	7226.00 (15930.61)	6960.00 (15344.18)	6452.00 (14224.23)
Deflection	mm (in)	418.00 (16.00)	440.00 (17.00)	462.00 (18.00)	484.00 (19.00)	508.00 (20.00)	532.00 (21.00)	582.00 (23.00)
Third Point Load (TPL)	kg (lbs)	6291.00 (13869.28)	6061.00 (13362.22)	5840.00 (12875.00)	5626.00 (12403.21)	5419.00 (11946.85)	5220.00 (11508.13)	4839.00 (10668.17)
Deflection	mm (in)	500.00 (20.00)	524.00 (21.00)	549.00 (22.00)	574.00 (23.00)	600.00 (24.00)	626.00 (25.00)	681.00 (27.00)
Quarter Point Load (QPL)	kg (lbs)	4194.00 (9246.19)	4041.00 (8908.88)	3893.00 (8582.60)	3751.00 (8269.54)	3613.00 (7965.30)	3480.00 (7672.09)	3226.00 (7112.11)
Deflection	mm (in)	474.00 (19.00)	497.00 (20.00)	520.00 (20.00)	545.00 (21.00)	570.00 (22.00)	596.00 (23.00)	649.00 (26.00)
Fifth Point Load (FPL)	kg (lbs)	3495.00 (7705.16)	3367.00 (7422.97)	3244.00 (7151.80)	3126.00 (6891.65)	3011.00 (6638.12)	2900.00 (6393.41)	2688.00 (5926.03)
Deflection	mm (in)	495.00 (19.00)	519.00 (20.00)	543.00 (21.00)	568.00 (22.00)	594.00 (23.00)	620.00 (24.00)	675.00 (27.00)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	390.00 (262.07)	367.00 (246.61)	346.00 (232.50)	326.00 (219.06)	307.00 (206.29)	290.00 (194.87)	258.00 (173.37)
Deflection	mm (in)	492.00 (19.37)	516.00 (20.31)	540.00 (21.25)	565.00 (22.24)	591.00 (23.26)	617.00 (24.29)	671.00 (26.41)



All truss loading calculations are based on:

Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 1993-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 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

S-M2000 Fold

- 2002×772-mm (78.8×30.4-in) foldable truss made from bespoke, high-strength steels for optimised transport and storage
- Unique product for the event industry with increased loading on extremely wide spans
- Orientation-free connectors for ease of use
- Optimised weight to strength ratio
- Pinned connectors for increased strength
- Optimised webbing pattern for ease of use when assembling cross trusses
- Integrated forklift pick-up points, double fork connectors, zinc-coated pins and matt black, impact-resistant industrial paint finish



Detail of hinge

S-M2000 Foldable truss section

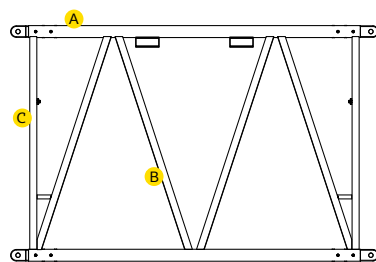
S-FTZ	mm	in	Vertical			Horizontal		Pin type:
			Main chords A:	Diagonals B:	End braces C:	Diagonals D:		
			101.6×4 (4×0.16)	60×60×4 (2.4×2.4×0.16)	60×60×4 (2.4×2.4×0.16)	48.3×3.2 (1.9×0.1)		PW-FTZ & PW

STANDARD LENGTHS AND WEIGHTS AVAILABLE

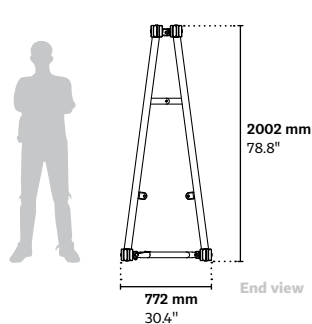
S-FTZ	m		ft		kg		lbs	
	1.00 (3.28)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)	6.00 (19.68)	
	243.20 (536.16)	350.00 (771.62)	387.20 (853.62)	424.30 (935.42)	525.40 (1158.31)	627.10 (1382.52)	728.70 (1606.51)	

Connection material and packaging are not included in above weights

In-service

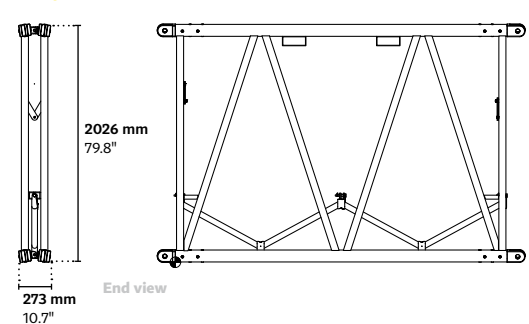


Side view

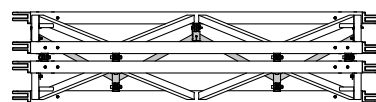


End view

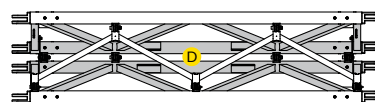
Transport mode



End view



Top view



Bottom view

S-FTZ

LOADING CHART

Steel trusses

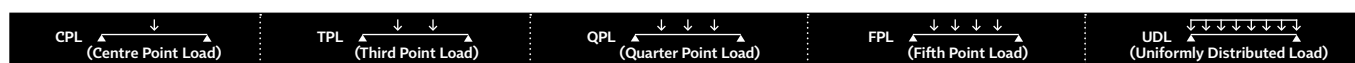
Span	m (ft)	25.00 (82.00)	26.00 (85.30)	27.00 (88.60)	28.00 (91.90)	29.00 (95.10)	30.00 (98.40)	31.00 (101.70)
Centre Point Load (CPL)	kg (lbs)	24932.00 (54966.00)	23858.00 (52598.00)	22860.00 (50398.00)	21928.00 (48343.00)	21057.00 (46423.00)	20240.00 (44622.00)	19472.00 (42928.00)
Deflection	mm (in)	94.00 (3.70)	102.00 (4.02)	110.00 (4.33)	119.00 (4.69)	128.00 (5.04)	137.00 (5.39)	147.00 (5.79)
Third Point Load (TPL)	kg (lbs)	16699.00 (36815.00)	16640.00 (36685.00)	16582.00 (36557.00)	16446.00 (36257.00)	15793.00 (34818.00)	15180.00 (33466.00)	14604.00 (32196.00)
Deflection	mm (in)	107.00 (4.21)	120.00 (4.72)	134.00 (5.28)	149.00 (5.87)	160.00 (6.30)	171.00 (6.73)	183.00 (7.20)
Quarter Point Load (QPL)	kg (lbs)	11133.00 (24544.00)	11094.00 (24458.00)	11055.00 (24372.00)	10964.00 (24171.00)	10529.00 (23212.00)	10120.00 (22311.00)	9736.00 (21464.00)
Deflection	mm (in)	100.00 (3.94)	112.00 (4.41)	125.00 (4.92)	139.00 (5.47)	149.00 (5.87)	160.00 (6.30)	171.00 (6.73)
Fifth Point Load (FPL)	kg (lbs)	8349.00 (18406.00)	8320.00 (18342.00)	8291.00 (18279.00)	8262.00 (18215.00)	8232.00 (18148.00)	8203.00 (18085.00)	8113.00 (17886.00)
Deflection	mm (in)	95.00 (3.74)	107.00 (4.21)	120.00 (4.72)	134.00 (5.28)	149.00 (5.87)	165.00 (6.50)	180.00 (7.09)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1336.00 (898.00)	1280.00 (860.00)	1228.00 (825.00)	1180.00 (793.00)	1136.00 (763.00)	1094.00 (735.00)	1055.00 (709.00)
Deflection	mm (in)	80.00 (3.15)	90.00 (3.54)	101.00 (3.98)	113.00 (4.45)	125.00 (4.92)	139.00 (5.47)	153.00 (6.02)

Span	m (ft)	32.00 (105.00)	33.00 (108.30)	34.00 (111.50)	35.00 (114.80)	36.00 (118.10)	37.00 (121.40)	38.00 (124.70)
Centre Point Load (CPL)	kg (lbs)	18748.00 (41332.00)	18065.00 (39827.00)	17418.00 (38400.00)	16805.00 (37049.00)	16223.00 (35766.00)	15669.00 (34544.00)	15142.00 (33382.00)
Deflection	mm (in)	157.00 (6.18)	167.00 (6.57)	177.00 (6.97)	189.00 (7.44)	200.00 (7.87)	212.00 (8.35)	224.00 (8.82)
Third Point Load (TPL)	kg (lbs)	14061.00 (30999.00)	13549.00 (29870.00)	13064.00 (28801.00)	12604.00 (27787.00)	12167.00 (26824.00)	11752.00 (25909.00)	11356.00 (25036.00)
Deflection	mm (in)	195.00 (7.68)	207.00 (8.15)	220.00 (8.66)	233.00 (9.17)	247.00 (9.72)	261.00 (10.28)	275.00 (10.83)
Quarter Point Load (QPL)	kg (lbs)	9374.00 (20666.00)	9033.00 (19914.00)	8709.00 (19200.00)	8403.00 (18525.00)	8112.00 (17884.00)	7835.00 (17273.00)	7571.00 (16691.00)
Deflection	mm (in)	182.00 (7.17)	194.00 (7.64)	206.00 (8.11)	219.00 (8.62)	232.00 (9.13)	245.00 (9.65)	259.00 (10.20)
Fifth Point Load (FPL)	kg (lbs)	7812.00 (17223.00)	7527.00 (16594.00)	7258.00 (16001.00)	7002.00 (15437.00)	6760.00 (14903.00)	6529.00 (14394.00)	6309.00 (13909.00)
Deflection	mm (in)	192.00 (7.56)	205.00 (8.07)	217.00 (8.54)	230.00 (9.06)	244.00 (9.61)	258.00 (10.16)	272.00 (10.71)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1018.00 (684.00)	984.00 (661.00)	951.00 (639.00)	921.00 (619.00)	892.00 (599.00)	847.00 (569.00)	797.00 (536.00)
Deflection	mm (in)	168.00 (6.61)	185.00 (7.28)	202.00 (7.95)	221.00 (8.70)	240.00 (9.45)	256.00 (10.08)	270.00 (10.63)

Span	m (ft)	39.00 (128.00)	40.00 (131.20)	41.00 (134.50)	42.00 (137.80)	43.00 (141.10)	44.00 (144.40)	45.00 (147.60)
Centre Point Load (CPL)	kg (lbs)	14638.00 (32271.00)	14156.00 (31209.00)	13695.00 (30192.00)	13254.00 (29220.00)	12830.00 (28285.00)	12423.00 (27388.00)	12031.00 (26524.00)
Deflection	mm (in)	236.00 (9.29)	249.00 (9.80)	263.00 (10.35)	276.00 (10.87)	290.00 (11.42)	305.00 (12.01)	320.00 (12.60)
Third Point Load (TPL)	kg (lbs)	10978.00 (24202.00)	10617.00 (23406.00)	10272.00 (22646.00)	9940.00 (21914.00)	9622.00 (21213.00)	9317.00 (20540.00)	9023.00 (19892.00)
Deflection	mm (in)	290.00 (11.42)	306.00 (12.05)	321.00 (12.64)	337.00 (13.27)	354.00 (13.94)	371.00 (14.61)	388.00 (15.28)
Quarter Point Load (QPL)	kg (lbs)	7319.00 (16136.00)	7078.00 (15604.00)	6848.00 (15097.00)	6627.00 (14610.00)	6415.00 (14143.00)	6211.00 (13693.00)	6015.00 (13261.00)
Deflection	mm (in)	273.00 (10.75)	287.00 (11.30)	302.00 (11.89)	318.00 (12.52)	333.00 (13.11)	349.00 (13.74)	366.00 (14.41)
Fifth Point Load (FPL)	kg (lbs)	6099.00 (13446.00)	5898.00 (13003.00)	5706.00 (12580.00)	5522.00 (12174.00)	5346.00 (11786.00)	5176.00 (11411.00)	5013.00 (11052.00)
Deflection	mm (in)	287.00 (11.30)	302.00 (11.89)	318.00 (12.52)	333.00 (13.11)	350.00 (13.78)	367.00 (14.45)	384.00 (15.12)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	751.00 (505.00)	708.00 (476.00)	668.00 (449.00)	631.00 (424.00)	597.00 (401.00)	565.00 (380.00)	535.00 (360.00)
Deflection	mm (in)	285.00 (11.22)	300.00 (11.81)	315.00 (12.40)	331.00 (13.03)	347.00 (13.66)	364.00 (14.33)	381.00 (15.00)

Span	m (ft)	46.00 (150.90)	47.00 (154.20)	48.00 (157.50)	49.00 (160.80)	50.00 (164.00)	51.00 (167.30)	52.00 (170.60)
Centre Point Load (CPL)	kg (lbs)	11654.00 (25693.00)	11290.00 (24890.00)	10939.00 (24116.00)	10600.00 (23369.00)	10272.00 (22646.00)	9955.00 (21947.00)	9647.00 (21268.00)
Deflection	mm (in)	335.00 (13.19)	351.00 (13.82)	367.00 (14.45)	384.00 (15.12)	401.00 (15.79)	418.00 (16.46)	436.00 (17.17)
Third Point Load (TPL)	kg (lbs)	8740.00 (19268.00)	8467.00 (18667.00)	8204.00 (18087.00)	7950.00 (17527.00)	7704.00 (16984.00)	7466.00 (16460.00)	7236.00 (15953.00)
Deflection	mm (in)	406.00 (15.98)	424.00 (16.69)	442.00 (17.40)	461.00 (18.15)	481.00 (18.94)	501.00 (19.72)	521.00 (20.51)
Quarter Point Load (QPL)	kg (lbs)	5827.00 (12846.00)	5645.00 (12445.00)	5469.00 (12057.00)	5300.00 (11685.00)	5136.00 (11323.00)	4977.00 (10972.00)	4824.00 (10635.00)
Deflection	mm (in)	383.00 (15.08)	400.00 (15.75)	418.00 (16.46)	436.00 (17.17)	455.00 (17.91)	474.00 (18.66)	493.00 (19.41)
Fifth Point Load (FPL)	kg (lbs)	4856.00 (10706.00)	4704.00 (10371.00)	4558.00 (10049.00)	4417.00 (9738.00)	4280.00 (9436.00)	4148.00 (9145.00)	4020.00 (8863.00)
Deflection	mm (in)	401.00 (15.79)	419.00 (16.50)	438.00 (17.24)	456.00 (17.95)	476.00 (18.74)	495.00 (19.49)	515.00 (20.28)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	507.00 (341.00)	480.00 (323.00)	456.00 (306.00)	433.00 (291.00)	411.00 (276.00)	390.00 (262.00)	371.00 (249.00)
Deflection	mm (in)	399.00 (15.71)	417.00 (16.42)	435.00 (17.13)	454.00 (17.87)	473.00 (18.62)	492.00 (19.37)	512.00 (20.16)

Span	m (ft)	53.00 (174.00)	54.00 (177.00)	55.00 (180.00)	56.00 (184.00)	57.00 (187.00)	58.00 (190.00)	60.00 (197.00)
Centre Point Load (CPL)	kg (lbs)	9350.00 (20613.23)	9061.00 (19976.09)	8780.00 (19356.59)	8507.00 (18754.73)	8242.00 (18170.50)	7984.00 (17601.71)	7488.00 (16508.22)
Deflection	mm (in)	455.00 (18.00)	474.00 (19.00)	493.00 (19.00)	513.00 (20.00)	533.00 (21.00)	554.00 (22.00)	598.00 (24.00)
Third Point Load (TPL)	kg (lbs)	7012.00 (15458.82)	6795.00 (14980.41)	6585.00 (14517.44)	6380.00 (14065.49)	6181.00 (13626.77)	5988.00 (13201.28)	5616.00 (12381.16)
Deflection	mm (in)	541.00 (21.00)	563.00 (22.00)	584.00 (23.00)	606.00 (24.00)	628.00 (25.00)	651.00 (26.00)	698.00 (27.00)
Quarter Point Load (QPL)	kg (lbs)	4675.00 (10306.61)	4530.00 (9986.94)	4390.00 (9678.29)	4254.00 (9378.47)	4121.00 (9085.25)	3992.00 (8800.86)	3744.00 (8254.11)
Deflection	mm (in)	513.00 (20.00)	534.00 (21.00)	555.00 (22.00)	576.00 (23.00)	598.00 (24.00)	620.00 (24.00)	665.00 (26.00)
Fifth Point Load (FPL)	kg (lbs)	3896.00 (8589.21)	3775.00 (8322.45)	3658.00 (8064.51)	3545.00 (7815.39)	3434.00 (7570.68)	3327.00 (7334.78)	3120.00 (6878.42)
Deflection	mm (in)	536.00 (21.00)	557.00 (22.00)	578.00 (23.00)	600.00 (24.00)	622.00 (24.49)	645.00 (25.00)	692.00 (27.00)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	353.00 (237.21)	336.00 (225.78)	319.00 (214.36)	304.00 (204.28)	289.00 (194.20)	275.00 (184.79)	250.00 (167.99)
Deflection	mm (in)	533.00 (20.98)	554.00 (21.81)	575.00 (22.63)	597.00 (23.50)	619.00 (24.37)	641.00 (25.23)	688.00 (27.08)



All truss loading calculations are based on:

Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 1993-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 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

Junctions

Play to connect





Use QR code
for full range

Junctions for M222 / M290 / M390

- Widest range of standard junctions available for most applications
- Fast connection for quick, simple and secure assembly
- Custom lengths, angles and curved junctions are easily created
- Connection kit supplied with every truss junction
- Powder-coated colour finish available on request

DUO straights and junctions

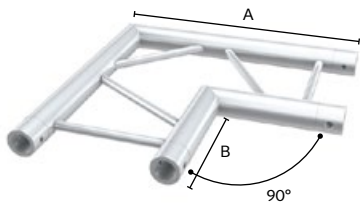


STRAIGHTS

Series	Code	m	ft	0.5 (1.64)	1 (3.28)	1.5 (4.92)	2 (6.56)	2.5 (8.20)	3 (9.84)	4 (13.12)	5 (16.4)
M222	BTM			500	1000	1500	2000	2500	3000	4000	-
M290	BTB/BTV			500	1000	1500	2000	2500	3000	4000	5000
M390	BTL			500	1000	1500	2000	2500	3000	4000	5000

	BTM	BTB	BTV	BTK	BTL
Weight of 1 m/kg* (3.28 ft/lbs)	1.70 (3.74)	3.0 (6.61)	3.30 (7.72)	3.45 (7.60)	3.80 (8.37)

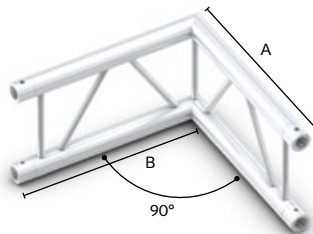
*excluding connection material



2-WAY HORIZONTAL CORNER 90°

Series	Code	A	B	C	kg
M222	HM21 2way90dg	400	178	-	1.6
M290	HV21 2way90dg	500	210	-	2.4
M390	HL21 2way90dg	600	210	-	3.0

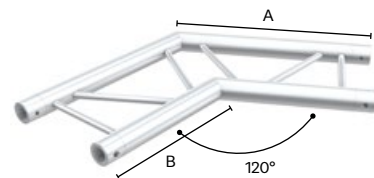
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY VERTICAL CORNER 90°

Series	Code	A	B	C	kg
M222	VM21 2way90dg	400	368	-	1.6
M290	VV21 2way90dg	500	450	-	2.4
M390	VL21 2way90dg	600	550	-	3.0

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)

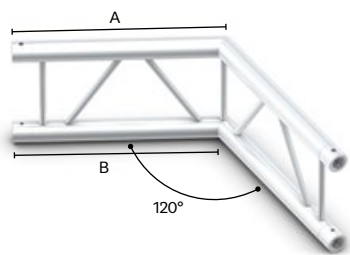


2-WAY HORIZONTAL CORNER 120°

Series	Code	A	B	C	kg
M222	HM22 2way120dg	400	272	-	1.6
M290	HV22 2way120dg	500	333	-	2.4

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)

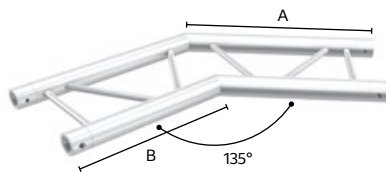
The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.



2-WAY VERTICAL CORNER 120°

Series	Code	A	B	C	kg
M222	VM22 2way120dg	400	382	-	1.6
M290	VV22 2way120dg	500	471	-	2.4

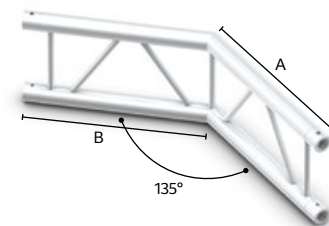
To calculate inches and pounds (25.4 mm = 1 inch)
 (kg×2.204 = lbs)



2-WAY HORIZONTAL CORNER 135°

Series	Code	A	B	C	kg
M222	HM23 2way135dg	400	308	-	1.6
M290	HV23 2way135dg	500	380	-	2.4

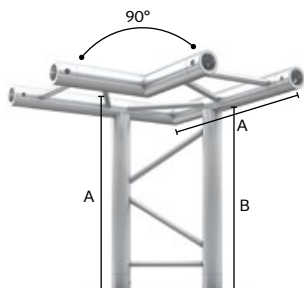
To calculate inches and pounds (25.4 mm = 1 inch)
 (kg×2.204 = lbs)



2-WAY VERTICAL CORNER 135°

Series	Code	A	B	C	kg
M222	VM23 2way135dg	400	387	-	1.6
M290	VV23 2way135dg	500	479	-	2.4

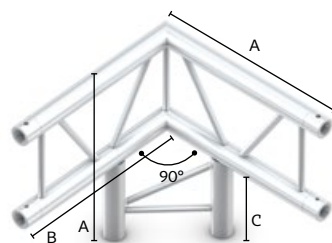
To calculate inches and pounds (25.4 mm = 1 inch)
 (kg×2.204 = lbs)



3-WAY HORIZONTAL CORNER 90° LEG DOWN

Series	Code	A	B	C	kg
M222	HM31 3way90dg	400	368	-	1.6
M290	HV31 3way90dg	500	450	-	4.2

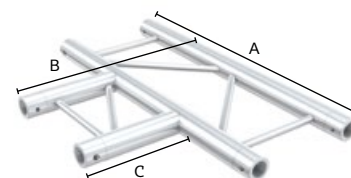
To calculate inches and pounds (25.4 mm = 1 inch)
 (kg×2.204 = lbs)



3-WAY VERTICAL CORNER 90° LEG DOWN

Series	Code	A	B	C	kg
M222	VM31 3way90dg	400	368	178	1.6
M290	VV31 3way90dg	500	450	210	4.2

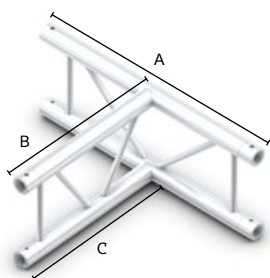
To calculate inches and pounds (25.4 mm = 1 inch)
 (kg×2.204 = lbs)



3-WAY HORIZONTAL T-PIECE

Series	Code	A	B	C	kg
M222	HM35 3wayT	578	400	178	1.6
M290	HV35 3wayT	710	500	210	4.2
M290	HVUU35 3wayT	500	500	210	3.4

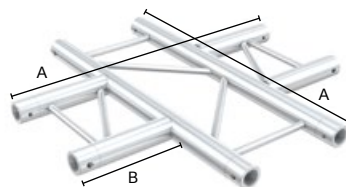
To calculate inches and pounds (25.4 mm = 1 inch)
 (kg×2.204 = lbs)



3-WAY VERTICAL T-PIECE

Series	Code	A	B	C	kg
M222	VM36 3wayT	578	400	368	1.6
M290	VV36 3wayT	710	500	450	4.2
M290	VVUU36 3wayT	500	500	450	3.1

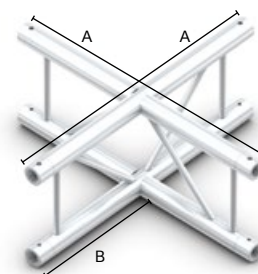
To calculate inches and pounds (25.4 mm = 1 inch)
 (kg×2.204 = lbs)



4-WAY HORIZONTAL CROSS PIECE

Series	Code	A	B	C	kg
M222	HM41 4way	578	179	-	2.0
M290	HV41 4way	710	210	-	4.2
M290	HVUU41 4way	500	105	-	2.7

To calculate inches and pounds (25.4 mm = 1 inch)
 (kg×2.204 = lbs)



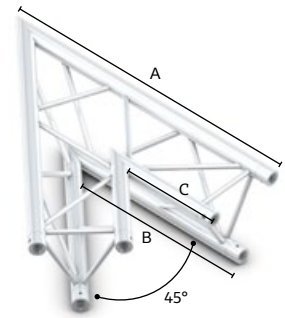
4-WAY VERTICAL CROSS PIECE

Series	Code	A	B	C	kg
M222	VM41 4way	578	368	-	2.0
M290	VV41 4way	710	330	-	4.2
M290	VVUU41 4way	500	225	-	3.2

To calculate inches and pounds (25.4 mm = 1 inch)
 (kg×2.204 = lbs)

The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
 The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.

TRIO straights and junctions



STRAIGHTS

Series	Code	m	ft	0.5 (1.64)	1 (3.28)	1.5 (4.92)	2 (6.56)	2.5 (8.20)	3 (9.84)	4 (13.12)	5 (16.4)
M222	STM	500	1000	1500	2000	2500	3000	4000	-		
M290	STB/STV	500	1000	1500	2000	2500	3000	4000	5000		
M390	STL	500	1000	1500	2000	2500	3000	4000	5000		

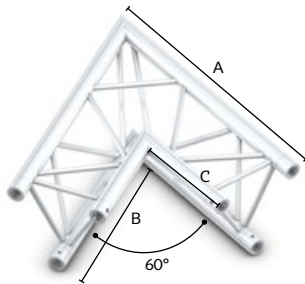
	STM	STB	STV	STK	STL
Weight of 1 m/kg* (3.28 ft/lbs)	2.30 (5.01)	4.50 (9.92)	5.00 (11.0)	4.95 (10.9)	5.75 (12.7)

*excluding connection material

2-WAY CORNER 45°

Series	Code	A	B	C	kg
M222	ACM19 2way45dg	800	493	264	2.5
M290	ACV19 2way45dg	1000	590	300	6.0

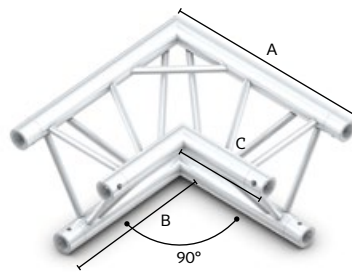
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 60°

Series	Code	A	B	C	kg
M222	ACM20 2way60dg	600	380	215	2.3
M290	ACV20 2way60dg	800	506	298	5.5

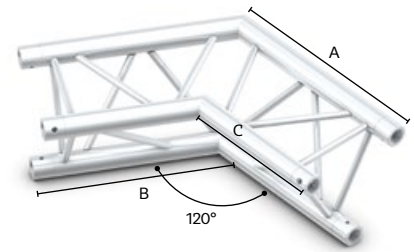
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 90°

Series	Code	A	B	C	kg
M222	ACM21 2way90dg	400	273	178	2.2
M290	ACV21 2way90dg	500	330	210	4.8
M390	ACL21 2way90dg	600	330	210	5.2

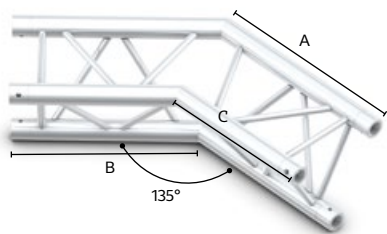
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 120°

Series	Code	A	B	C	kg
M222	ACM22 2way120dg	400	327	272	2.3
M290	ACV22 2way120dg	500	402	333	4.8

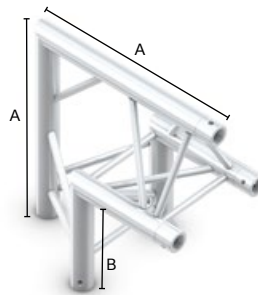
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 135°

Series	Code	A	B	C	kg
M222	ACM23 2way135dg	400	347	308	2.3
M290	ACV23 2way135dg	500	430	380	4.8

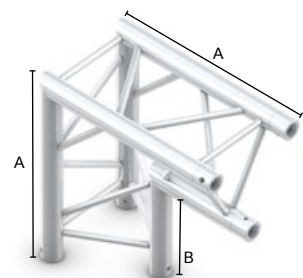
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 90° APEX OUT

Series	Code	A	B	C	kg
M222	ACM24 2way90dg	400	204	-	2.2
M290	ACV24 2way90dg	500	242	-	4.8

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)

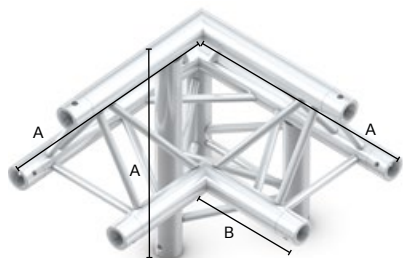


2-WAY CORNER 90° APEX IN

Series	Code	A	B	C	kg
M222	ACM25 2way90dg	400	204	-	2.2
M290	ACV25 2way90dg	500	242	-	4.8

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)

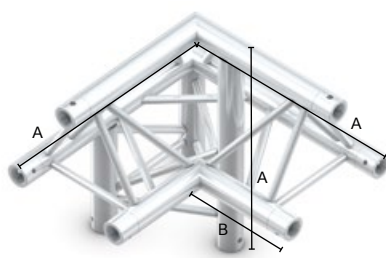
The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.



3-WAY CORNER 90° APEX UP RIGHT

Series	Code	A	B	C	kg
M222	ALM31 3way90dg	400	178	-	2.9
M290	ALV31 3way90dg	500	210	-	7.2

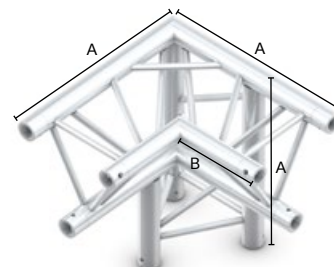
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY CORNER 90° APEX UP LEFT

Series	Code	A	B	C	kg
M222	ALM32 3way90dg	400	178	-	2.9
M290	ALV32 3way90dg	500	210	-	7.2

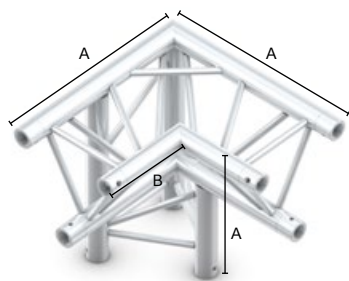
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY CORNER 90° APEX DOWN RIGHT

Series	Code	A	B	C	kg
M222	ALM33 3way90dg	400	178	-	2.9
M290	ALV33 3way90dg	500	210	-	7.2

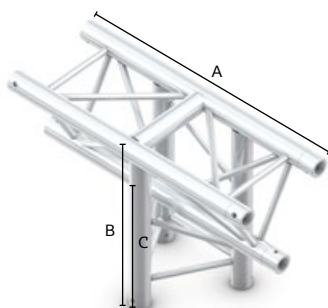
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY CORNER 90° APEX DOWN LEFT

Series	Code	A	B	C	kg
M222	ALM34 3way90dg	400	178	-	2.9
M290	ALV34 3way90dg	500	210	-	7.2

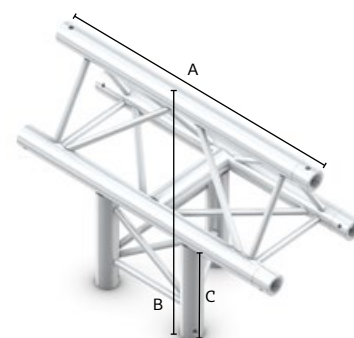
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY VERTICAL T-PIECE APEX DOWN

Series	Code	A	B	C	kg
M222	ATM35 3wayT	578	400	203	2.9
M290	ATV35 3wayT	710	500	242	7.2
M290	ATVUU35 3wayT	500	500	242	5.5

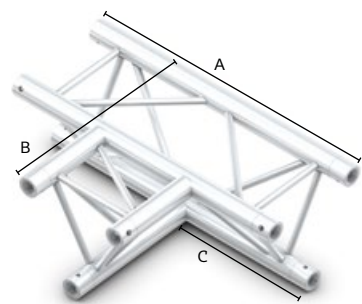
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY VERTICAL T-PIECE APEX UP

Series	Code	A	B	C	kg
M222	ATM35B 3wayT	578	400	203	2.9
M290	ATV35B 3wayT	710	500	242	7.2
M290	ATVUU35B 3wayT	500	500	242	4.7

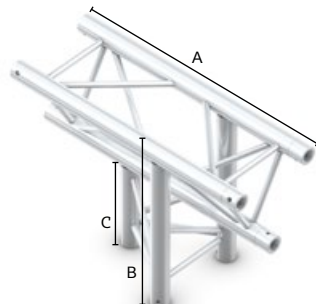
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY HORIZONTAL T-PIECE

Series	Code	A	B	C	kg
M222	ATM36 3wayT	578	400	273	2.9
M290	ATV36 3wayT	710	500	330	7.2
M290	ATVUU36 3wayT	500	500	330	4.5
M390	ATL36 3wayT	810	600	380	8.1

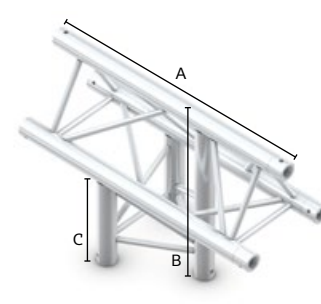
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY VERTICAL T-PIECE APEX DOWN

Series	Code	A	B	C	kg
M222	ATM37 3wayT	603.5	400	203	3.1
M290	ATV37 3wayT	742	500	242	7.2
M290	ATVUU37 3wayT	500	500	242	5.0

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)

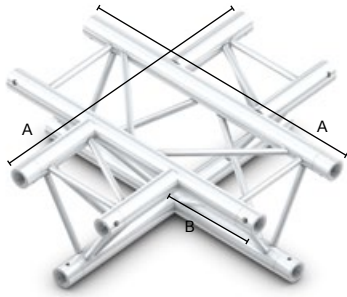


3-WAY VERTICAL T-PIECE APEX UP

Series	Code	A	B	C	kg
M222	ATM37B 3wayT	603.5	400	203	3.1
M290	ATV37B 3wayT	742	500	242	7.2
M290	ATVUU37B 3wayT	500	500	242	4.7

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)

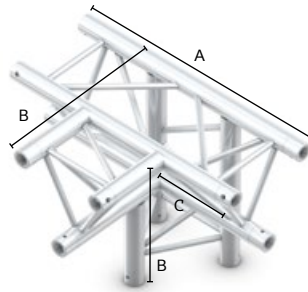
The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.



4-WAY CROSS PIECE

Series	Code	A	B	C	kg
M222	ACM41 4way	578	178	-	3.5
M290	ACV41 4way	710	210	-	9.6
M290	ACVUU41 4way	500	105	-	4.9

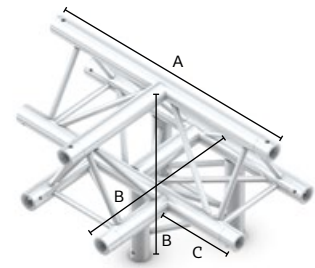
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY T-PIECE APEX DOWN

Series	Code	A	B	C	kg
M222	ATM42 4wayT	578	400	273	3.5
M290	ATV42 4wayT	710	500	330	9.6
M290	ATVUU42 4wayT	500	500	330	6.6

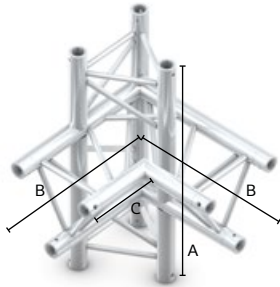
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY T-PIECE APEX UP

Series	Code	A	B	C	kg
M222	ATM43 4wayT	578	400	178	3.5
M290	ATV43 4wayT	710	500	210	9.6
M290	ATVUU43 4WAYT	500	500	210	6.3

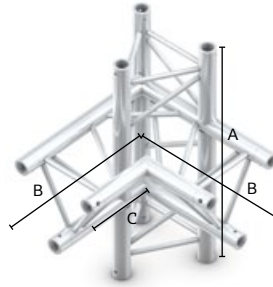
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY CORNER 90° RIGHT

Series	Code	A	B	C	kg
M222	ACM44 4way90dg	603.5	400	273	3.5
M290	ACV44 4way90dg	742	500	330	9.6
M290	ACVUU44 4way90dg	500	500	330	6.5

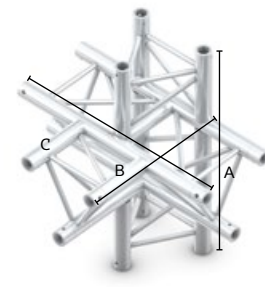
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY CORNER 90° LEFT

Series	Code	A	B	C	kg
M222	ACM45 4way90dg	603.5	400	273	3.5
M290	ACV45 4way90dg	742	500	330	9.6
M290	ACVUU45 4way90dg	500	500	330	5.9

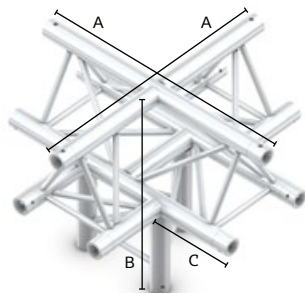
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



5-WAY T-PIECE

Series	Code	A	B	C	kg
M222	ATM51 5wayT	603.5	400	578	3.8
M290	ATV51 5waT	500	500	710	6.5
M290	ATVUU51 5wayT	742	500	710	12

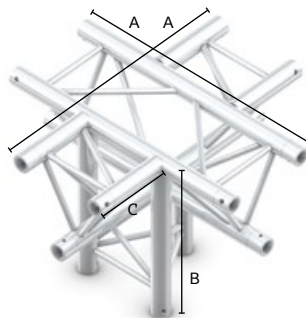
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



5-WAY CROSS DOWN LEG APEX UP

Series	Code	A	B	C	kg
M222	ACM52 5way	578	400	178	3.8
M290	ACV52 5way	710	500	210	12
M290	ACVUU52 5way	500	500	210	6.2

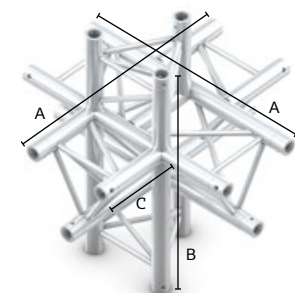
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



5-WAY CROSS DOWN LEG APEX DOWN

Series	Code	A	B	C	kg
M222	ACM53 5way	578	400	178	3.8
M290	ACV53 5way	710	500	210	9.4
M290	ACVUU53 5way	500	500	210	6.9

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



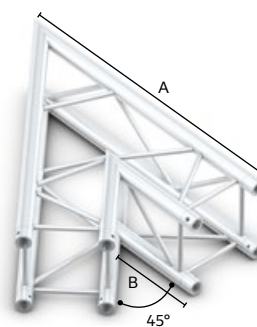
6-WAY T-PIECE

Series	Code	A	B	C	kg
M222	ACM61 6wayT	578	603.5	178	4.5
M290	ACV61 6wayT	710	742	210	10.0
M290	ACVUU61 6wayT	500	742	210	7.4

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)

The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.

QUATRO straights and junctions



STRAIGHTS

Series	Code	m	ft	0.5 (1.64)	1 (3.28)	1.5 (4.92)	2 (6.56)	2.5 (8.20)	3 (9.84)	4 (13.12)	5 (16.4)
M222	QTM			500	1000	1500	2000	2500	3000	4000	-
M290	QTB/QTV			500	1000	1500	2000	2500	3000	4000	5000
M390	QTK/QTL			500	1000	1500	2000	2500	3000	4000	5000

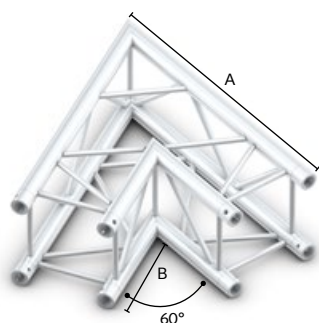
	QTM	QTB	QTV	QTK	QTL
Weight of 1 m/kg* (3.28 ft/lbs)	3.50 (7.71)	5.90 (13.0)	6.40 (14.1)	6.50 (14.3)	7.10 (15.7)

*excluding connection material

2-WAY CORNER 45°

Series	Code	A	B	C	kg
M222	QCM19 2way45dg	800	264	-	3.5
M290	QCV19 2way45dg	1000	300	-	8.1
M390	QCL19 2way45dg	1200	258	-	11.2

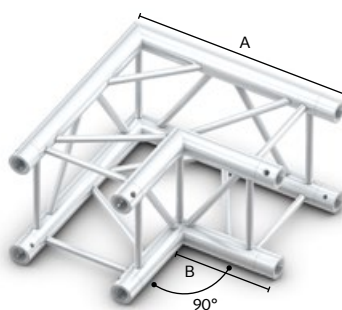
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 60°

Series	Code	A	B	C	kg
M222	QCM20 2way60dg	600	215	-	3.3
M290	QCV20 2way60dg	800	298	-	7.2
M390	QCL20 2way60dg	1000	325	-	11.2

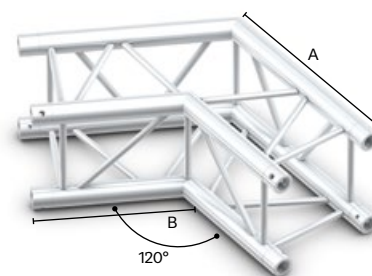
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 90°

Series	Code	A	B	C	kg
M222	QCM21 2way90dg	400	178	-	3.1
M290	QCV21 2way90dg	500	210	-	6.6
M390	QCL21 2way90dg	600	210	-	8.9

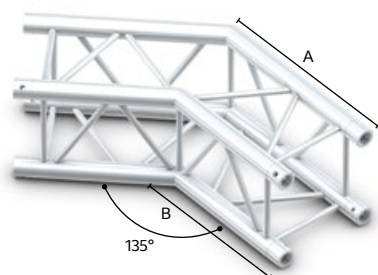
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 120°

Series	Code	A	B	C	kg
M222	QCM22 2way120dg	400	272	-	3.3
M290	QCV22 2way120dg	500	333	-	6.6
M390	QCL22 2way120dg	600	375	-	8.9

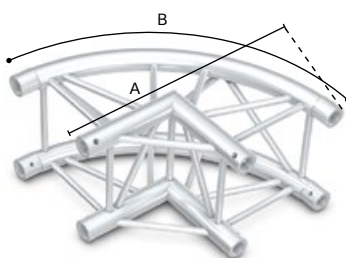
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 135°

Series	Code	A	B	C	kg
M222	QCM23 2way135dg	400	308	-	3.3
M290	QCV23 2way135dg	500	380	-	6.6
M390	QCL23 2way135dg	600	438	-	8.9

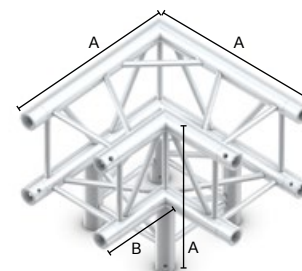
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CURVED CORNER 90°

Series	Code	A	B	C	kg
M290	QCV21 2way90dg	500	785	-	6.6

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)

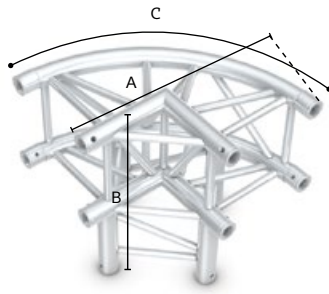


3-WAY CORNER 90°

Series	Code	A	B	C	kg
M222	QLM30 3way90dg	400	179	-	4.0
M290	QLV30 3way90dg	500	210	-	9.6
M390	QLL30 3way90dg	600	210	-	11.4

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)

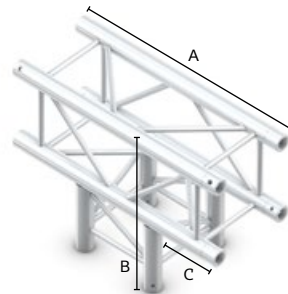
The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.



3-WAY CURVED CORNER 90°

Series	Code	A	B	C	kg
M290	QLV30KRS 2way90dg	500	500	785	9.6

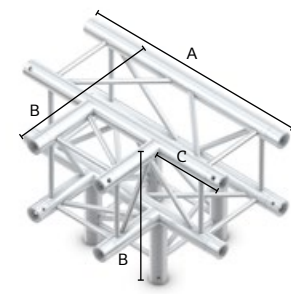
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY T-PIECE

Series	Code	A	B	C	kg
M222	QTM35 3wayT	578	400	179	4.0
M290	QTV35 3wayT	710	500	210	9.6
M290	QTUU35 3wayT	500	500	210	5.5
M290	QTVUU35 3wayT	500	500	210	6.2
M390	QTL35 3wayT	810	600	210	11.2

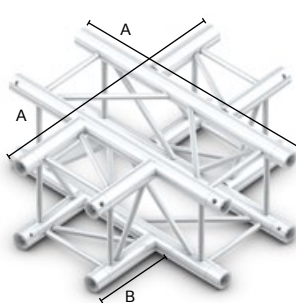
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY T-PIECE LEG DOWN

Series	Code	A	B	C	kg
M222	QLM40 4wayT	578	400	179	4.4
M290	QLV40 4wayT	710	500	210	12.6
M290	QLUU40 4wayT	500	500	210	7.2
M290	QLVUU40 4wayT	500	500	210	8.5
M390	QLL40 4wayT	810	600	210	14.4

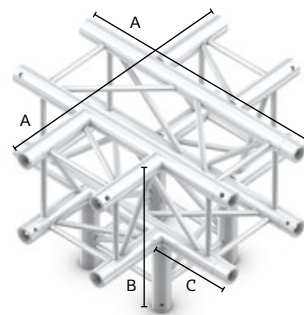
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY CROSS PIECE

Series	Code	A	B	C	kg
M222	QCM41 4way	578	179	-	4.4
M290	QCV41 4way	710	210	-	12.6
M290	QCUU41 4way	500	210	-	7.2
M290	QCVUU41 4way	500	210	-	6.7
M390	QCL41 4way	810	210	-	14.4

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



5-WAY CROSS DOWN LEG

Series	Code	A	B	C	kg
M222	QCM51 5way	578	400	179	4.9
M290	QCV51 5way	710	500	210	16.2
M290	QCUU51 5WAY	500	500	210	7.7
M290	QCVUU51 5way	500	500	210	8.0
M390	QCL51 5way	810	600	210	18.1

To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)

The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.



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