



Flexibility Behind Your Show

Product Catalogue
14th edition

4 Aluminium trusses



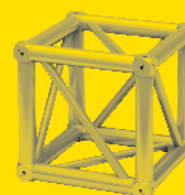
34 Steel trusses



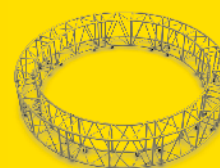
48 Junctions



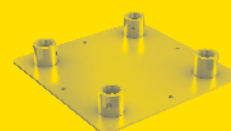
58 Multicubes



64 Circles



70 Truss accessories



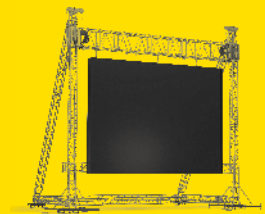
86 Cell clamps and frames



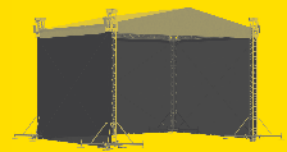
98 Towers



118 LED screen structures



132 Roofs



166 Rigging accessories



170 Crowd barriers



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Aluminium trusses

Connecting
the world

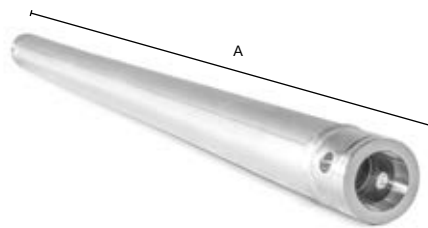




Use QR code
for full range

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

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

M100

LOADING CHART

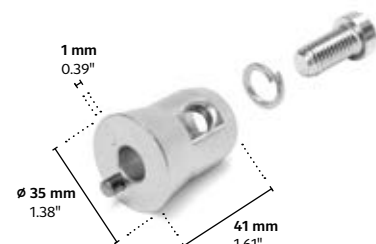
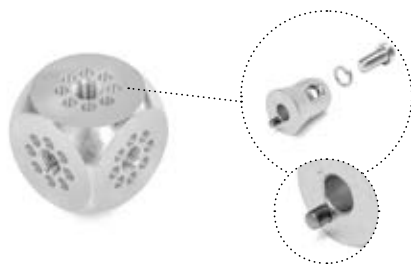
M100	Beam on two supports										(Continuous tube without any modifications)	
Span	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)					
Centre Point Load (CPL)	kg (lbs)	429.00 (945.78)	214.00 (471.79)	142.00 (313.05)	106.00 (233.69)	85.00 (187.39)	70.00 (154.32)					
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	Beam on two supports (Tube with one connector at any point of the length)											
Span	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)

CPL (Centre Point Load)	TPL (Third Point Load)	UDL (Uniformly Distributed Load)	(Point load at the end)
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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)	

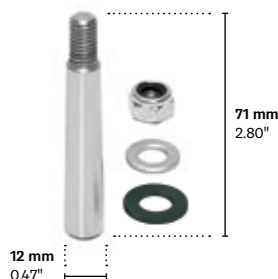
Male fitting for CUBEB-UNI, HINGEQB-UNI, equipped with locating pin
Supplied with washer and M12×25 bolt.
F- and U -compatible version.



PB|Pin

Series	kg	lbs
M100	0.02 (0.04)	

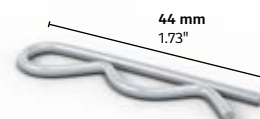
Pin B



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)	

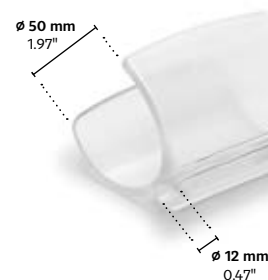
M290B conical connector
F- and U-compatible versions available.



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

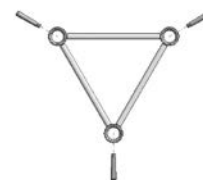
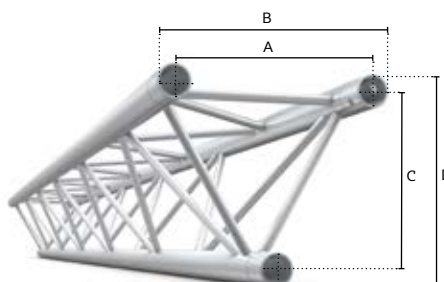
DUO



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

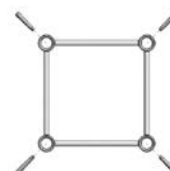
TRIO



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

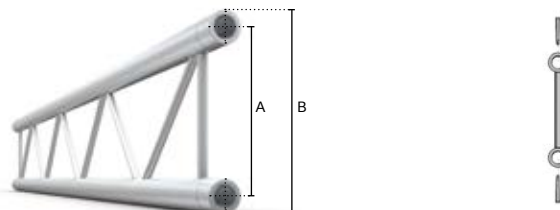
Span	m (ft)	2.00 (6.56)	3.00 (9.84)	4.00 (13.12)	5.00 (16.40)	6.00 (19.69)	7.00 (22.97)	8.00 (26.25)
Centre Point Load (CPL)	kg (lbs)	373.00 (822.32)	290.00 (639.34)	234.00 (515.88)	194.00 (427.70)	163.00 (359.35)	141.00 (310.85)	122.20 (269.40)
Deflection	mm (in)	1.70 (0.07)	4.40 (0.17)	8.50 (0.33)	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 (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 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

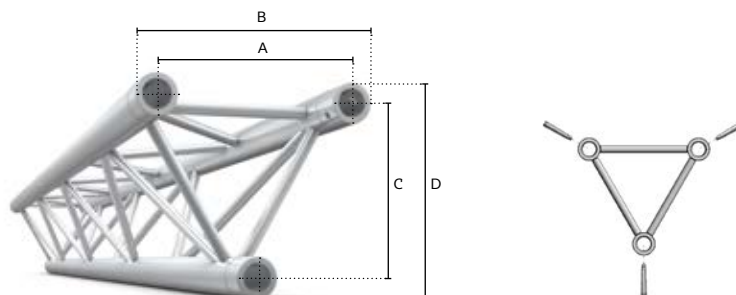
DUO



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

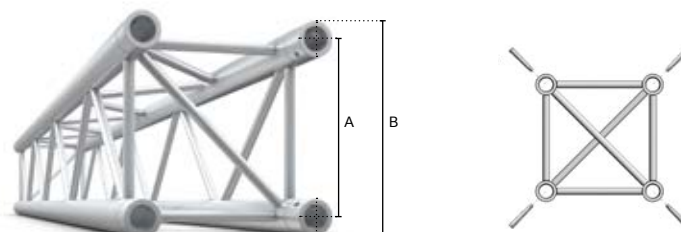
TRIO



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)

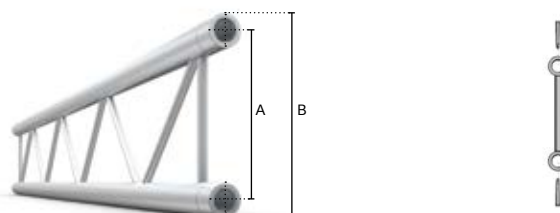
Higher loading values available for U version

CPL (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 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

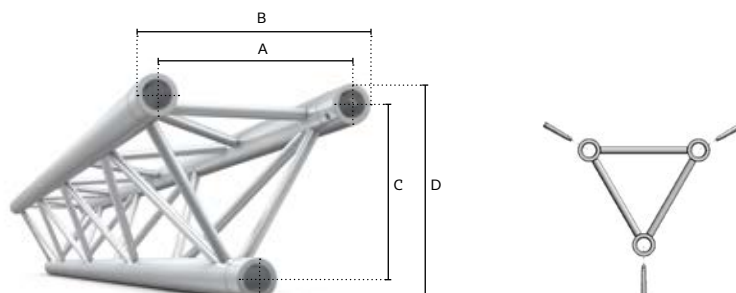
DUO



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 (9.44)	288 (11.34)	CCB
BTVF	48×3 (1.89×0.12)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (9.44)	288 (11.34)	CCF
BTUV	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	240 (9.44)	288 (11.34)	CCU

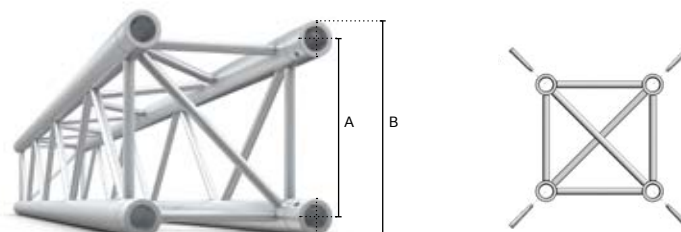
TRIO



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 (9.44)	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 (9.44)	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 (9.44)	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 (9.44)	288 (11.34)	CCB
QTVF	48×3 (1.89×0.12)	16×2 (0.62×0.08)	EN - AW 6082 T6	240 (9.44)	288 (11.34)	CCF
QTVU	48×3 (1.89×0.12)	20×2 (0.78×0.08)	EN - AW 6082 T6	240 (9.44)	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)	

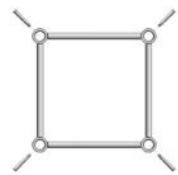


The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.

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	mm (in)	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)

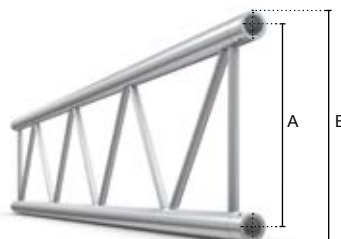
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)
All truss loading calculations are based on: Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is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



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

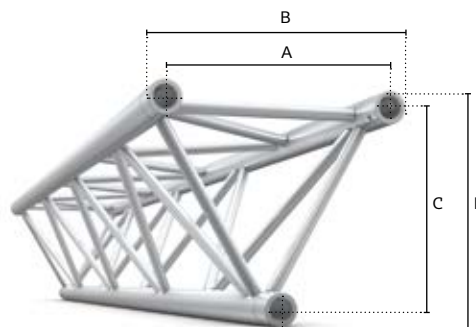
DUO



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

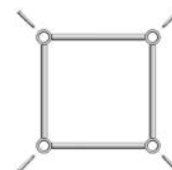
TRIO



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
(Centre Point Load)

TPL
(Third Point Load)

QPL
(Quarter Point Load)

FPL
(Fifth Point Load)

UDL
(Uniformly Distributed Load)

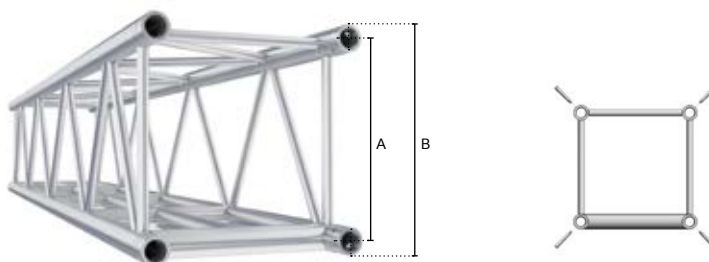
All truss loading calculations are based on:

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

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



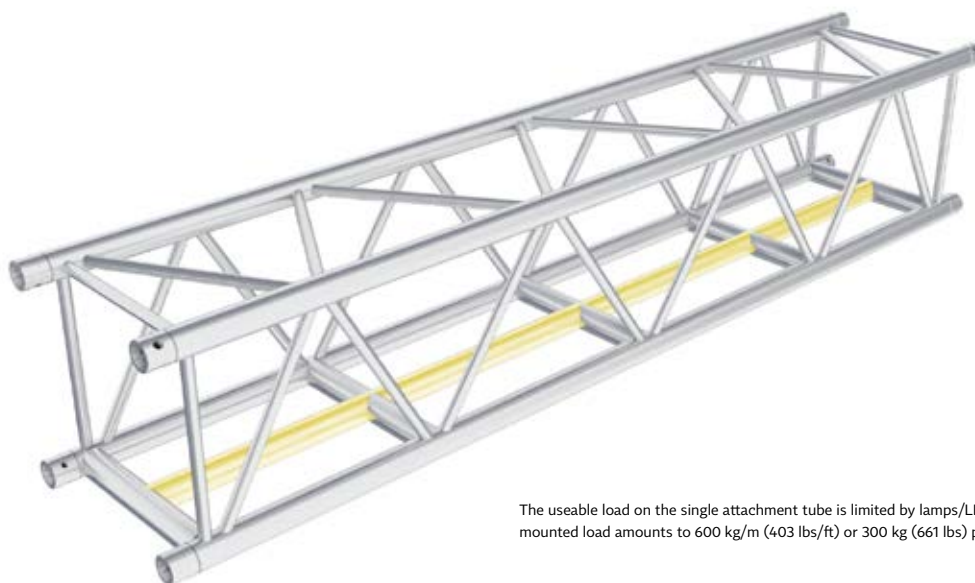
M390 LED

		Main chords	Diagonals	Alloy	A	B	Connector
QTL-LED	mm	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	in	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.

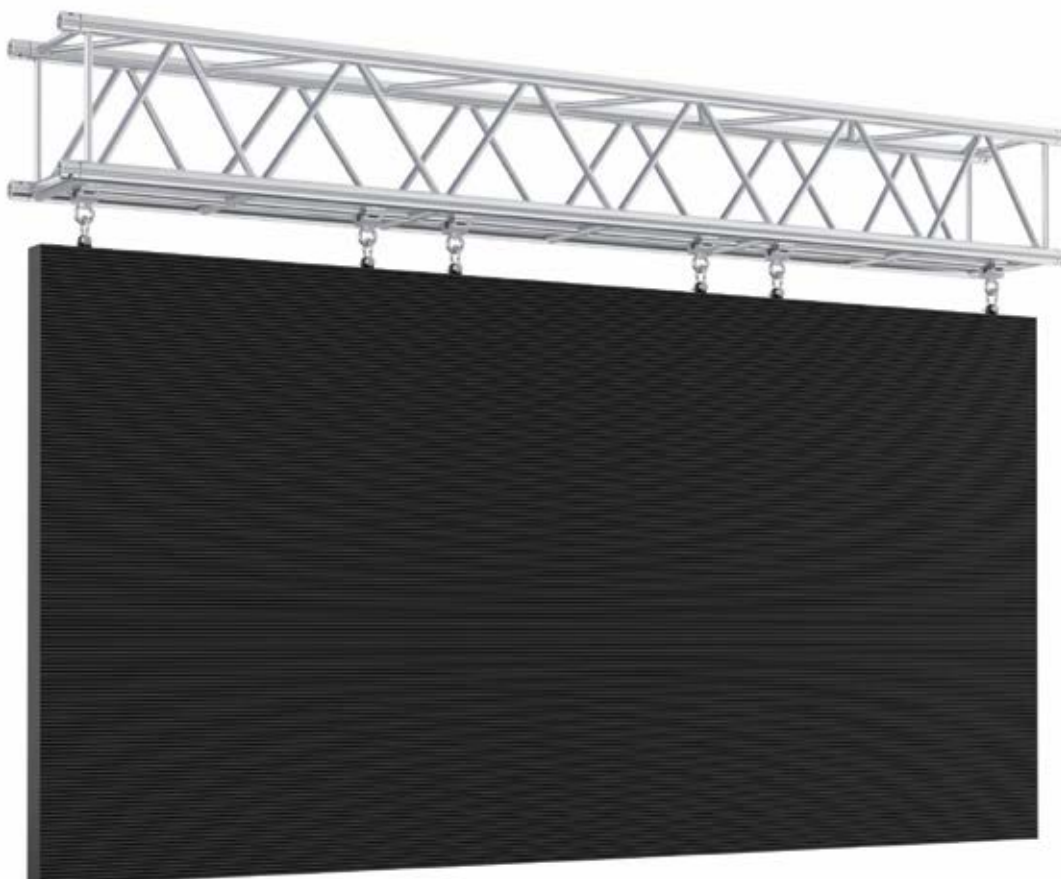
M390 LED

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!

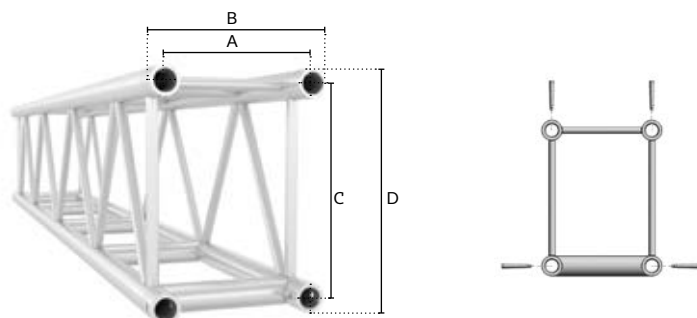
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)
All truss loading calculations are based on: Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is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

	mm	in	Main chords	Diagonals	Horizontal braces	Alloy	A	B	C	D	Connector
RTL			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

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:

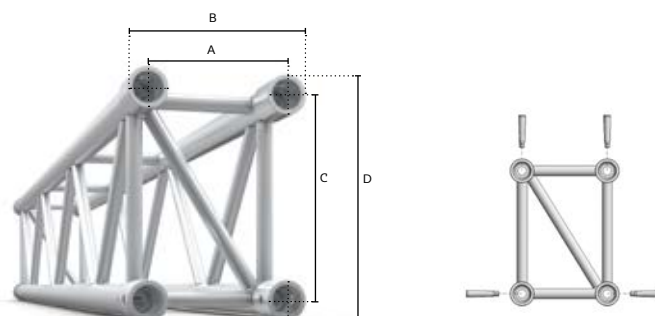
Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural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

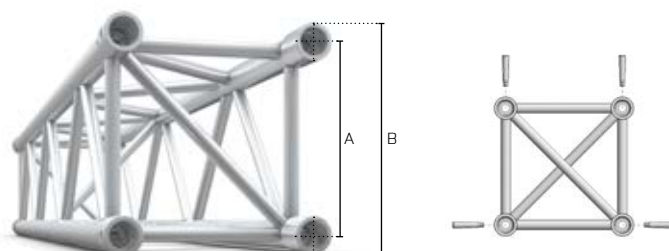
RECT



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)

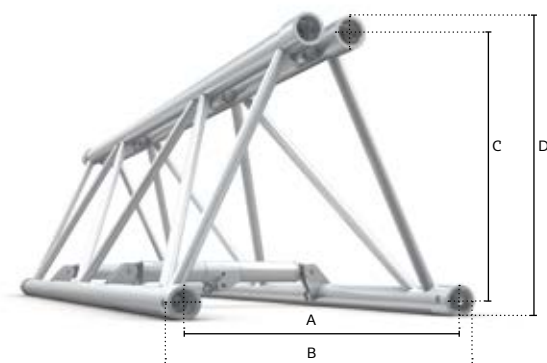
Span	11.00 (36.09)	12.00 (39.37)	13.00 (42.65)	14.00 (45.93)	15.00 (49.21)	16.00 (52.49)	18.00 (59.06)	20.00 (65.62)
Centre Point Load (CPL)	959.90 (2116.21)	871.00 (1920.22)	795.00 (1752.67)	729.20 (1607.61)	671.50 (1480.40)	620.50 (1367.97)	533.90 (1177.05)	462.70 (1020.08)
Deflection	76.60 (3.02)	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)

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				

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

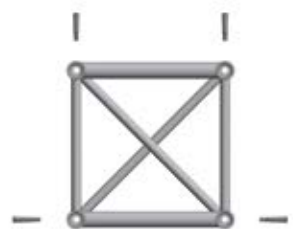
FOLD



M520

		Main chords	Diagonals	Alloy	A	B	C	D	Connector
FTP	mm in	50×4 (2×0.16)	25×3 (0.98×0.12)	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	50×4 (2×0.16)	30×3 (1.81×0.12)	50×4 (2×0.16)	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)

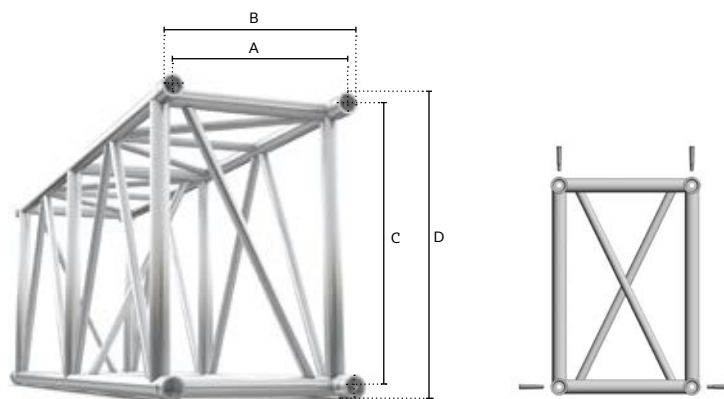
Span	18.00 (59.06)	20.00 (65.62)	22.00 (72.18)	24.00 (78.74)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)
Centre Point Load (CPL)	889.00 (1959.91)	782.70 (1725.56)	694.00 (1530.01)	618.60 (1363.78)	553.40 (1220.04)	496.10 (1093.71)	445.30 (981.72)
Deflection	133.20 (5.24)	165.70 (6.52)	202.10 (7.96)	242.70 (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)

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				

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	50×4 (2×0.16)	30×3 (1.18×0.12)	50×4 (2×0.16)	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)

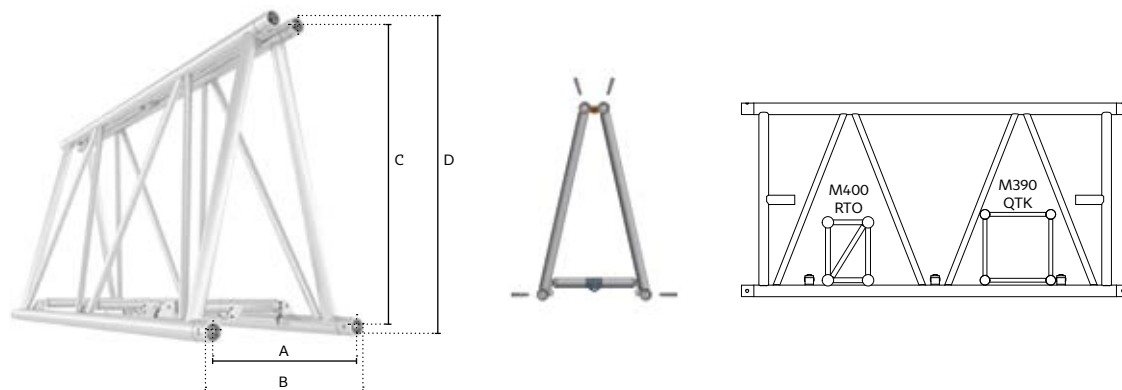
All truss loading calculations are based on:

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 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

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	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

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)

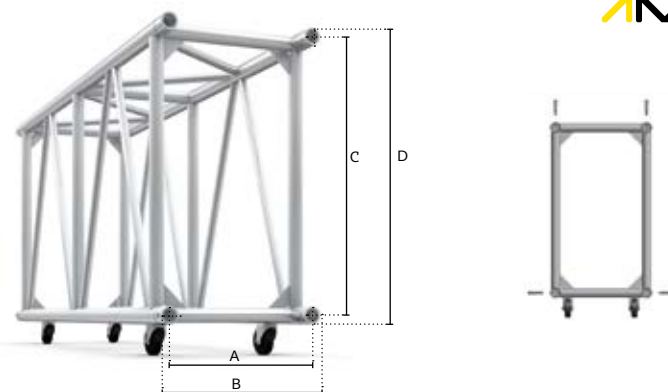
Span	24.00 (78.74)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)	32.00 (104.99)	34.00 (111.55)	36.00 (118.11)	38.00 (124.67)	40.00 (131.23)
Centre Point Load (CPL)	2106.50 (4644.03)	1905.60 (4201.12)	1730.60 (3815.32)	1576.20 (3474.92)	1438.60 (3171.57)	1314.80 (2898.63)	1202.50 (2651.06)	1099.90 (2424.86)	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

	mm	in	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	m (ft)	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)	kg (lbs)	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	mm (in)	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)	kg (lbs)	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	mm (in)	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)	kg (lbs)	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	mm (in)	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)	kg (lbs)	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	mm (in)	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)	kg/m (lbs/ft)	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	mm (in)	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 (5616.34)	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	m (ft)	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)	kg (lbs)	1981.00 (4367.36)	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	mm (in)	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)	kg (lbs)	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	mm (in)	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)	kg (lbs)	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	mm (in)	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)	kg (lbs)	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	mm (in)	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)	kg/m (lbs/ft)	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	mm (in)	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)

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:

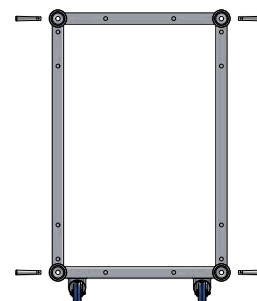
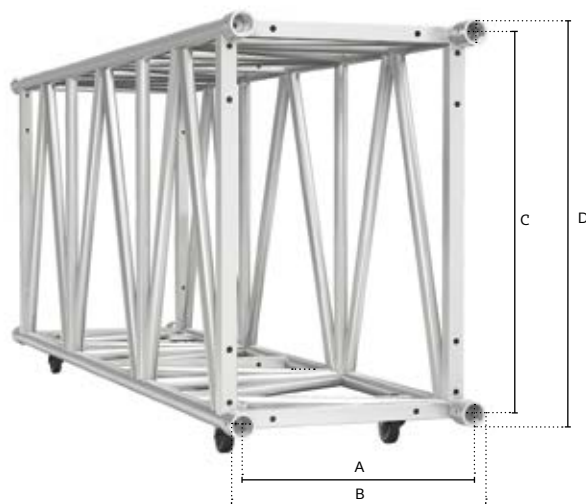
Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural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

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 $\varnothing 60$ 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



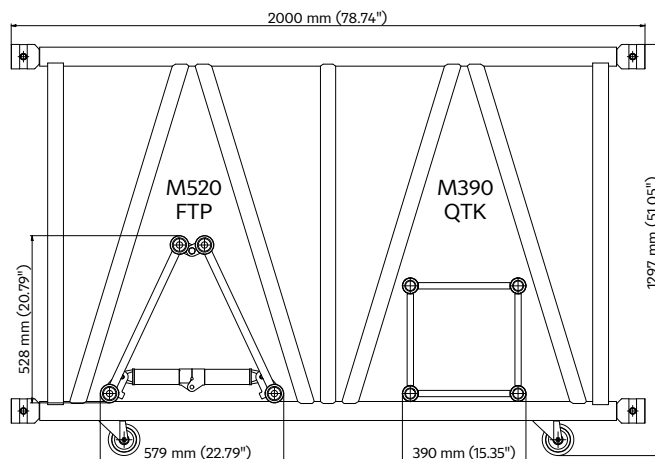
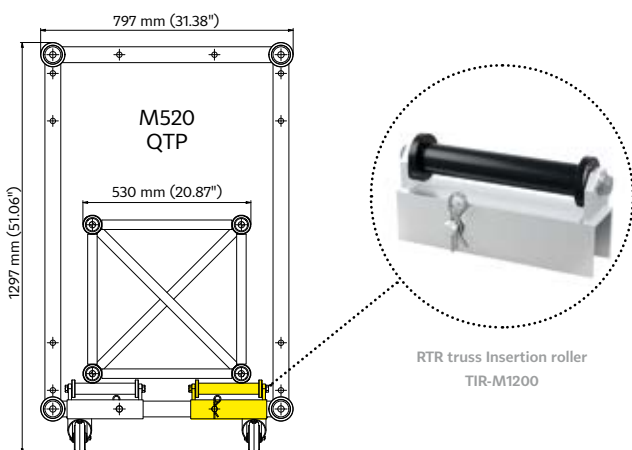
M1200

		Main chords	Braces	Alloy	A	B	C	D	Connector
RTR	mm in	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)

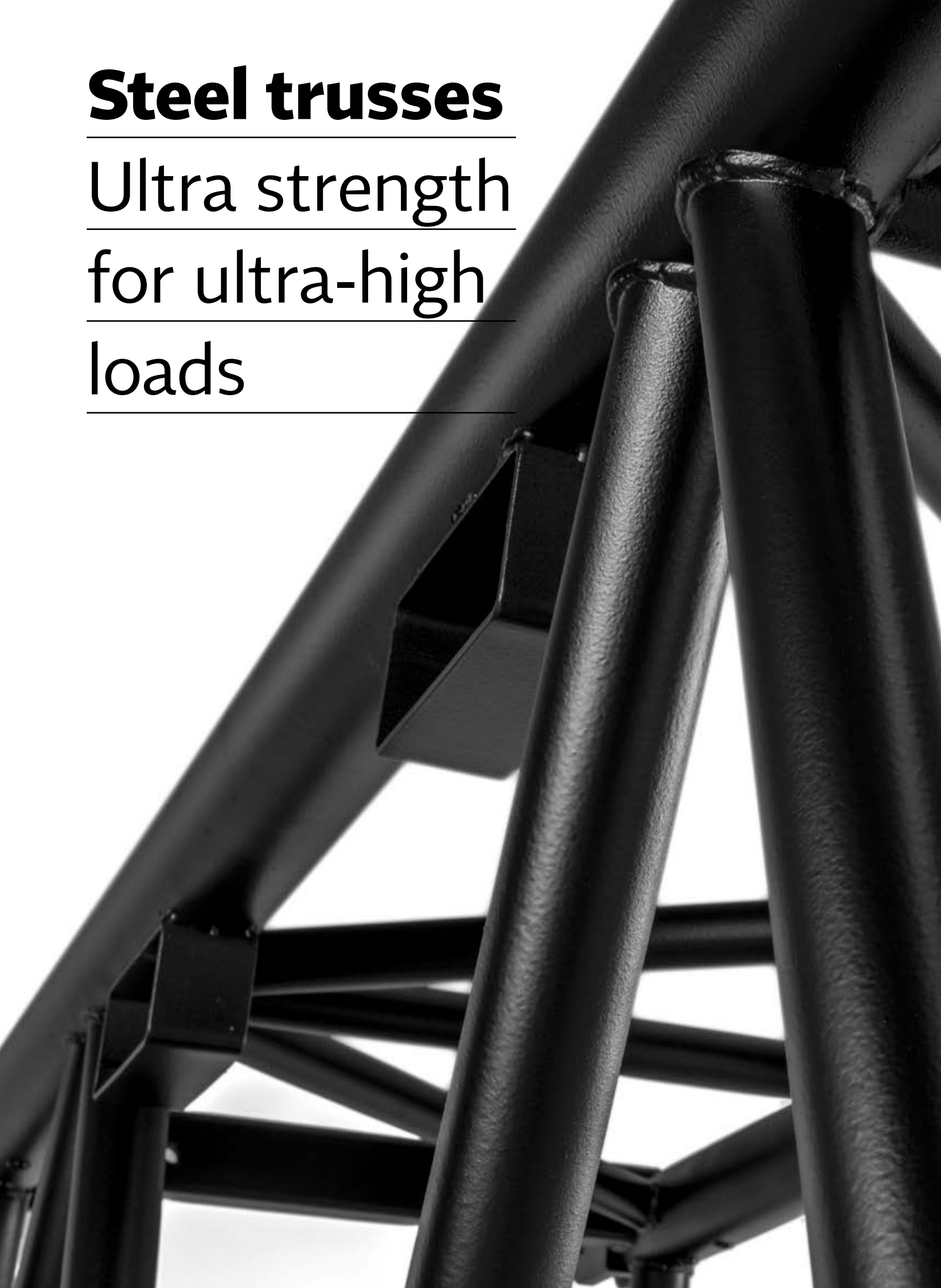
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)
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All truss loading calculations are based on:

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

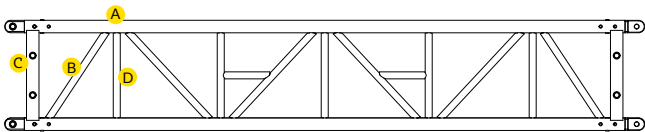
S-M530 Quatro tower truss section

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

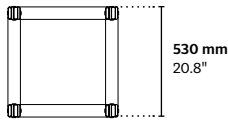
STANDARD LENGTHS AND WEIGHTS AVAILABLE

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)

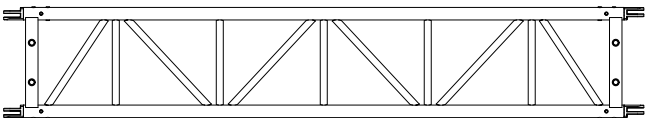
Connection material and packaging are not included in above weights



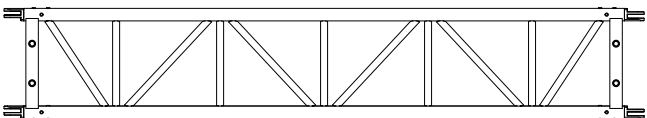
Side view



End view



Top view



Bottom view

S-QTPT

LOADING CHART

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)

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 • 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

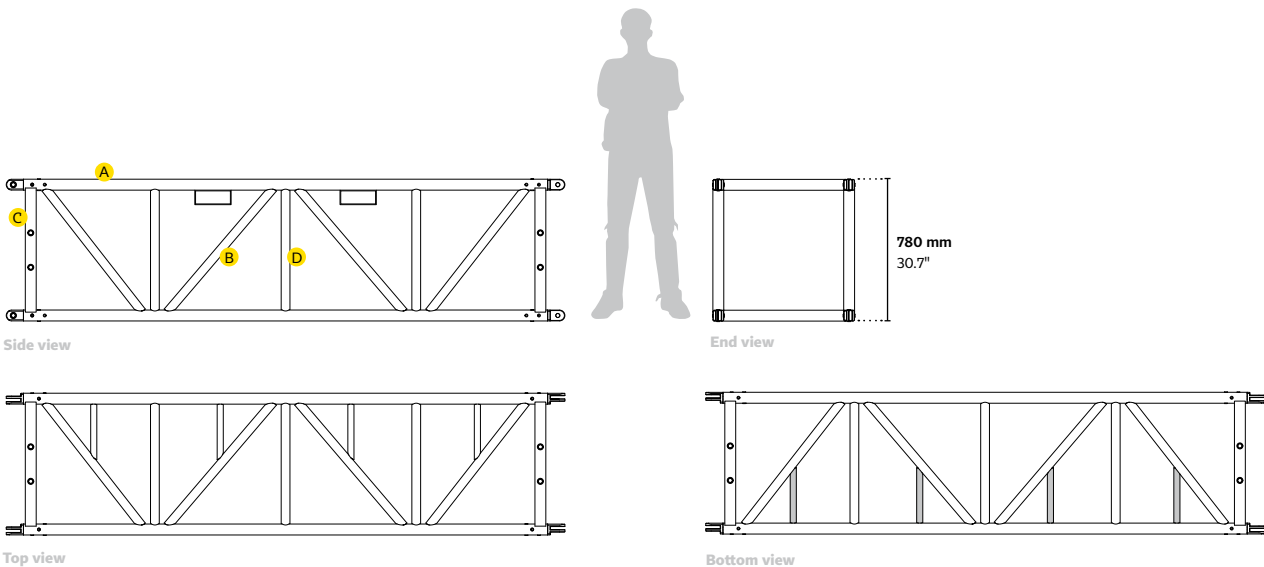
S-M780 Quatro tower truss section

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 (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	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)	12114.00 (26707.00)	10843.00 (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)	3777.00 (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)

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 • 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

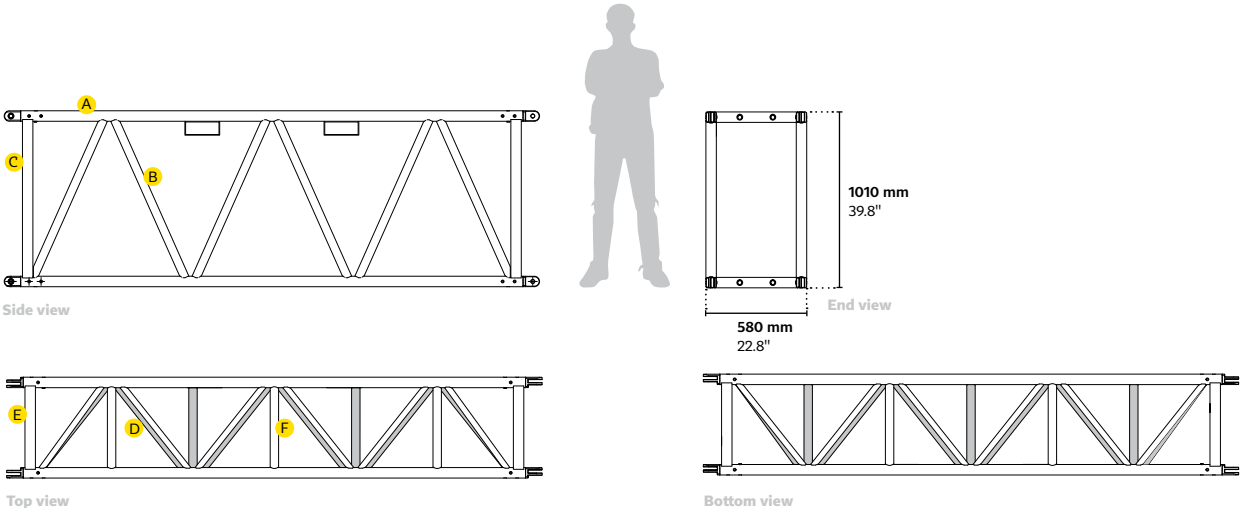
S-M1010 Rectangular truss section

S-RTD	mm	in	Vertical			Horizontal		Pin type:	
			Main chords A:	Diagonals B:	End braces C:	Diagonals D:	End braces E:		Intermediate cross braces F:
			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)	PQ

STANDARD LENGTHS AND WEIGHTS AVAILABLE

S-RTD	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	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

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)

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 • 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 1933-1-12 • 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



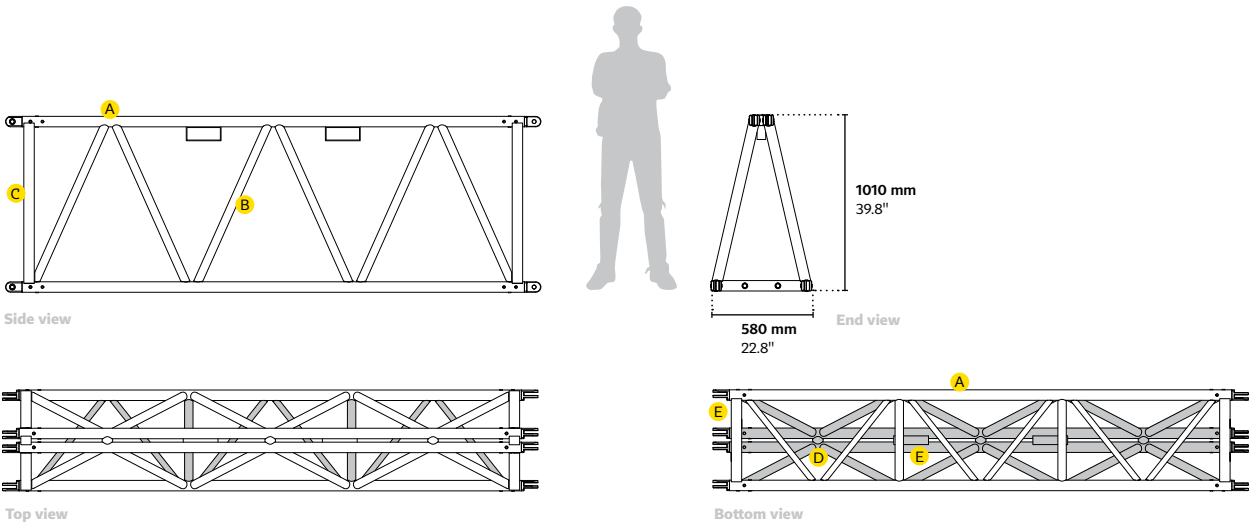
S-M1010 Triangular truss section

S-FTD	mm	in	Vertical			Horizontal		
			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)
								Pin type: PQ-FTD & PQ

STANDARD LENGTHS AND WEIGHTS AVAILABLE

S-FTD	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	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 (4214.00)	1663.00 (4117.00)	1439.00 (967.00)	1246.00 (837.00)	1087.00 (730.00)
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)

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

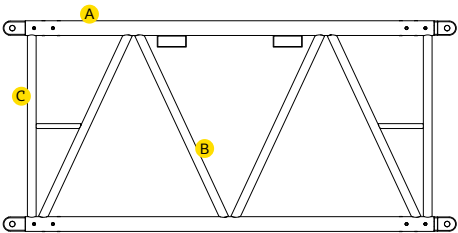
S-M1450 Rectangular truss section

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

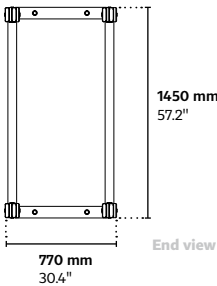
STANDARD LENGTHS AND WEIGHTS AVAILABLE

S-RTW	m	ft	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	222.40 (490.31)	288.60 (636.25)	310.50 (684.53)	375.30 (827.39)	459.30 (1012.58)	526.50 (1160.73)	593.70 (1308.88)

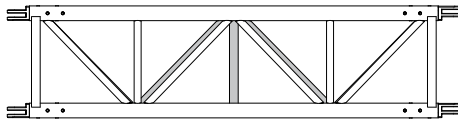
Connection material and packaging are not included in above weights



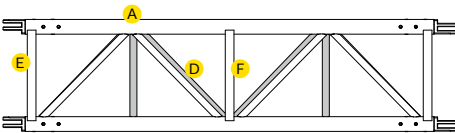
Side view



End view



Top view



Bottom view

S-RTW

LOADING CHART

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)	10115.00 (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)

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

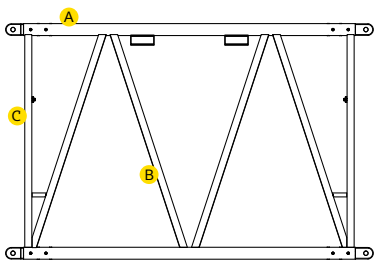
S-FTZ	mm	in	Vertical			Horizontal	
			Main chords A:	Diagonals B:	End braces C:	Diagonals D:	Pin type:
			101.6×4 (4×0.16)	60×60×4 (2.4×2.4×0.16)	60×60×4 (2.4×2.4×0.16)	48.3×3.2 (1.9×0.1)	PW-FTZ & PW

STANDARD LENGTHS AND WEIGHTS AVAILABLE

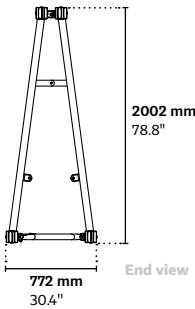
S-FTZ	m	ft	1.00 (3.28)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)	6.00 (19.68)
	kg	lbs	243.20 (536.16)	350.00 (771.62)	387.20 (853.62)	424.30 (935.42)	525.40 (1158.31)	627.10 (1382.52)	728.70 (1606.51)

Connection material and packaging are not included in above weights

In-service

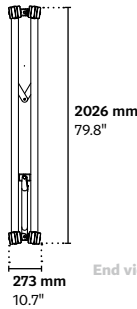


Side view

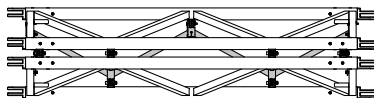
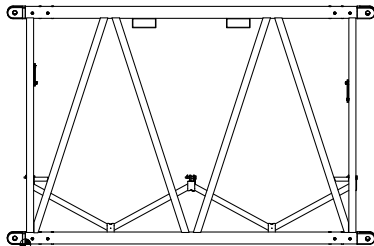


End view

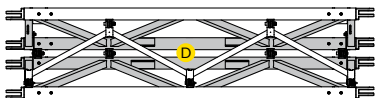
Transport mode



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 (14577.44)	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)

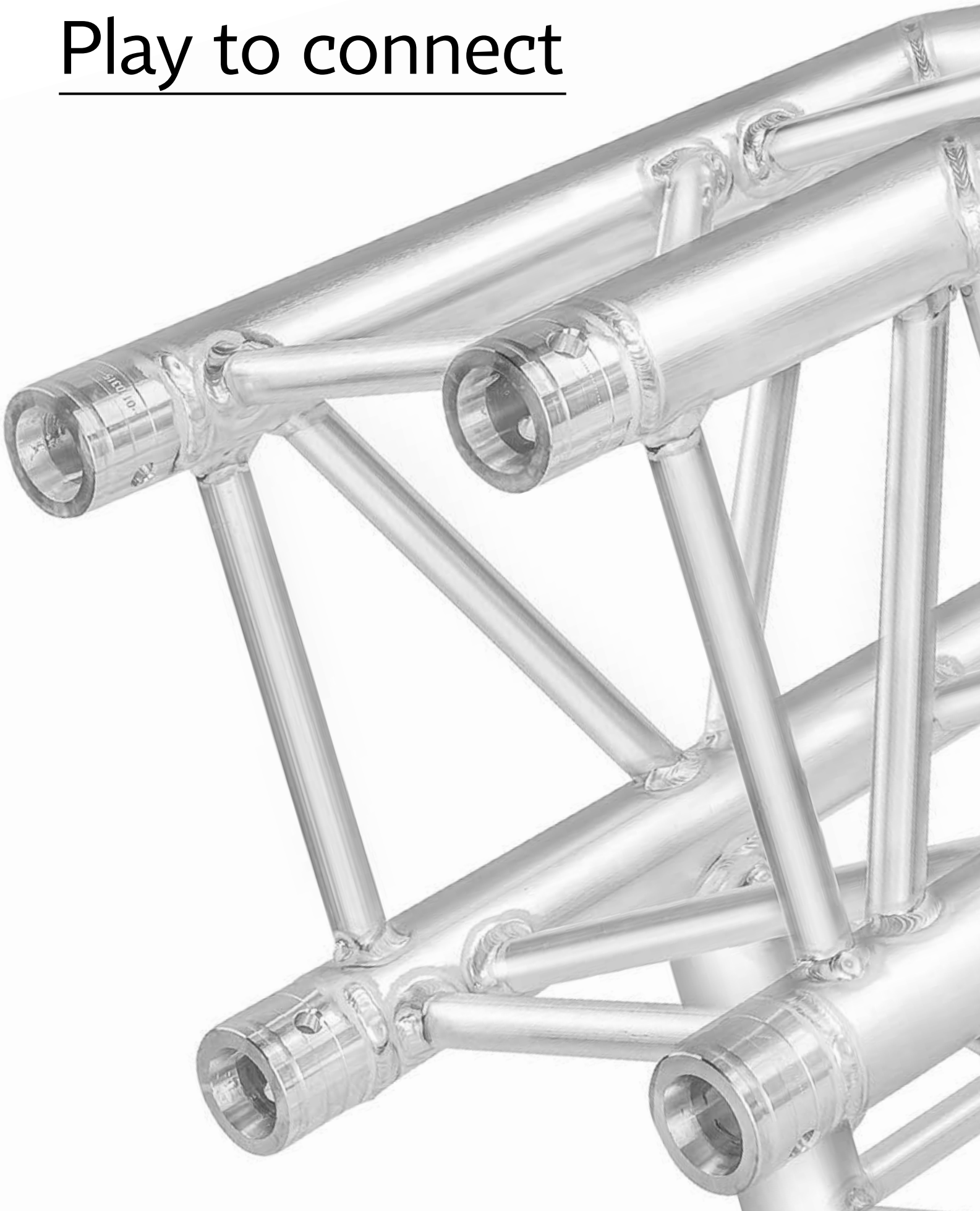
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)
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All truss loading calculations are based on:

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

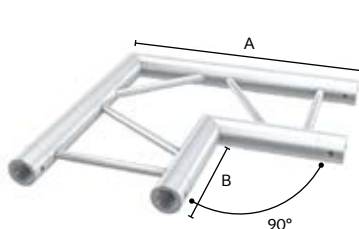


STRAIGHTS

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)

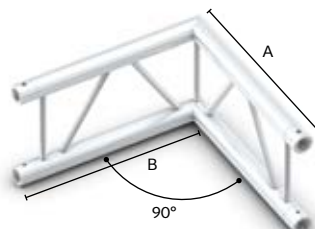
*excluding connection material



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

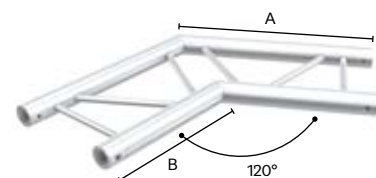
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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)

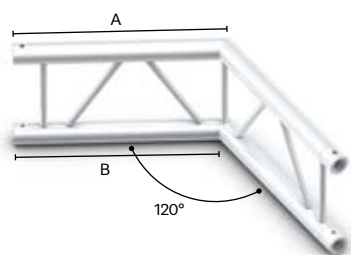


2-WAY HORIZONTAL CORNER 120°

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)

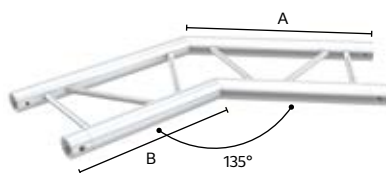
The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.



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

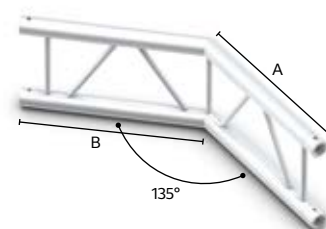
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

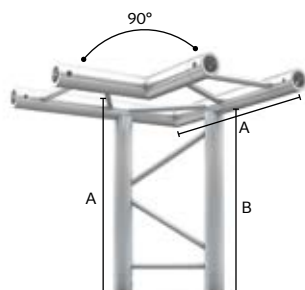
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

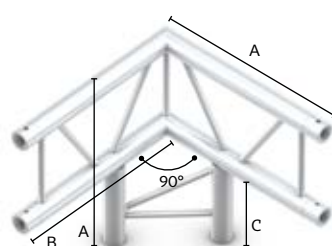
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

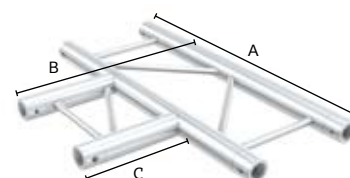
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

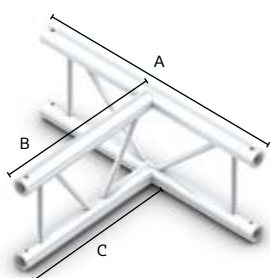
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

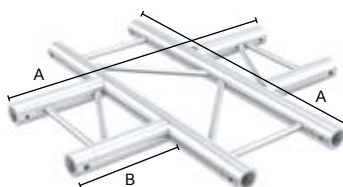
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

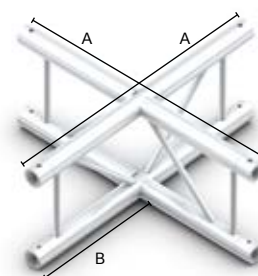
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

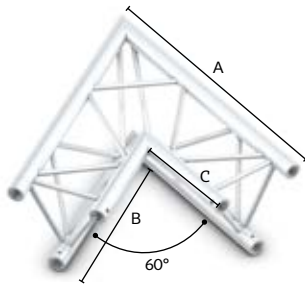


STRAIGHTS

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)

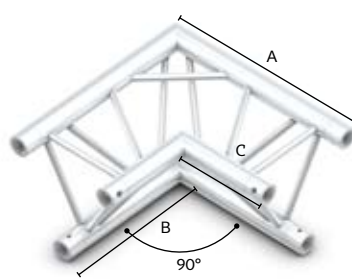
*excluding connection material



2-WAY CORNER 60°

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

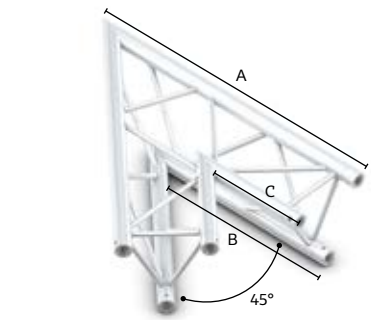
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

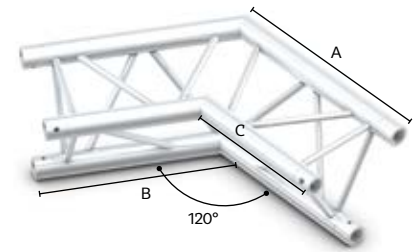
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 45°

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

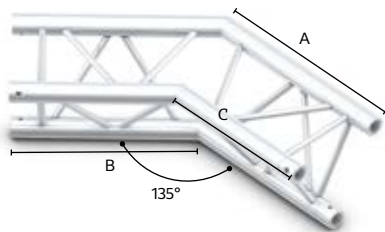
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 120°

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

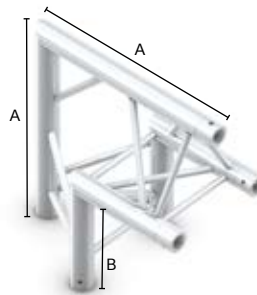
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

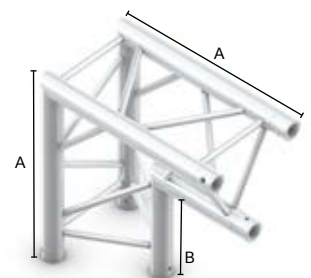
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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)

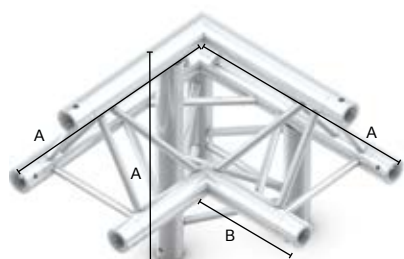


2-WAY CORNER 90° APEX IN

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)

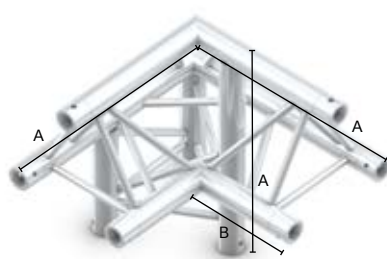
The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.



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

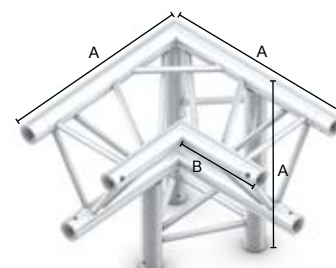
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

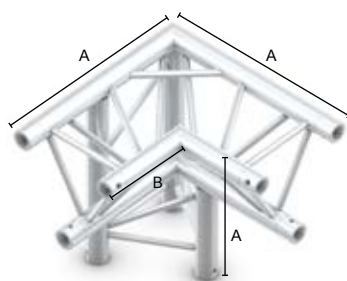
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

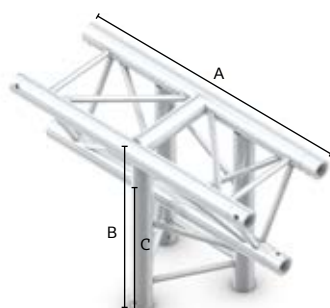
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

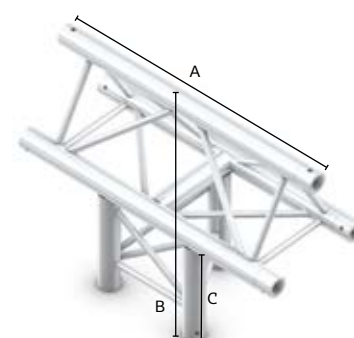
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

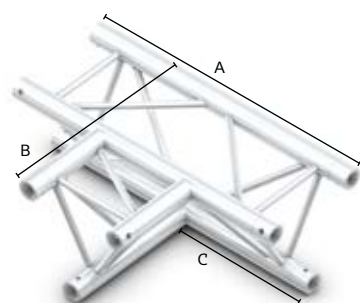
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

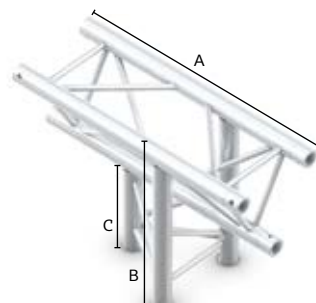
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

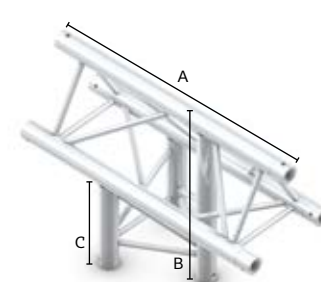
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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)

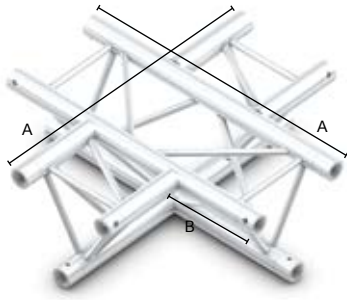


3-WAY VERTICAL T-PIECE APEX UP

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)

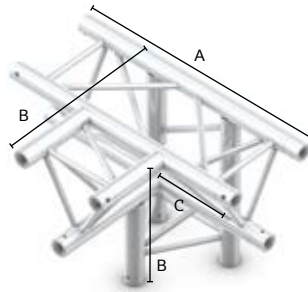
The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.



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

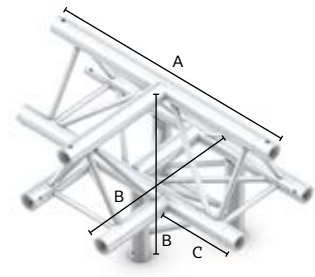
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

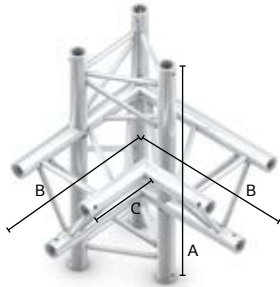
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

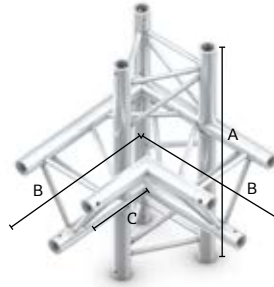
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

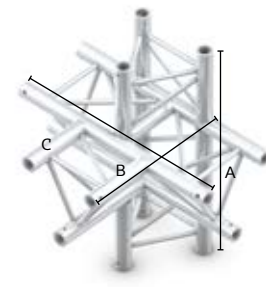
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

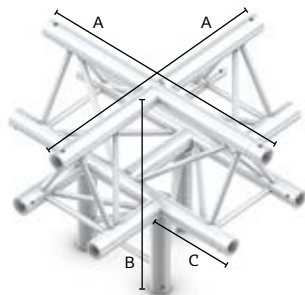
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



5-WAY T-PIECE

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

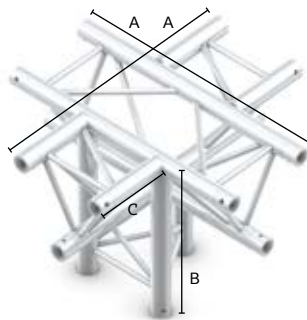
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

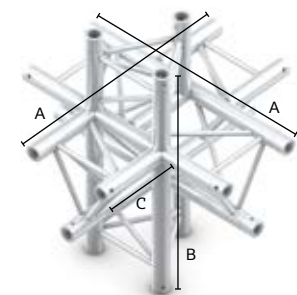
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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)



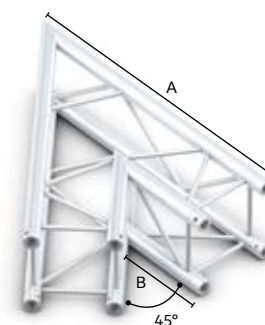
6-WAY T-PIECE

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/QL			500	1000	1500	2000	2500	3000	4000	5000

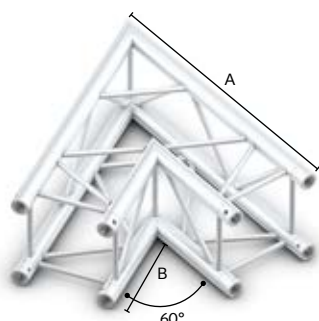
	QTM	QTB	QTV	QTK	QL
Weight of 1 m/kg* (3.28 ft/lbs)	3.50 (7.71)	5.90 (13.0)	6.40 (14.1)	6.50 (14.3)	7.10 (15.7)

*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

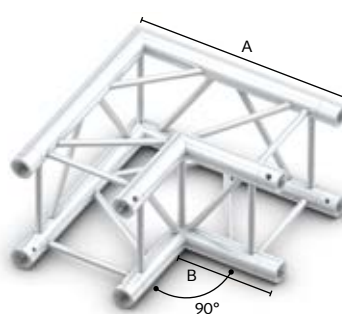
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

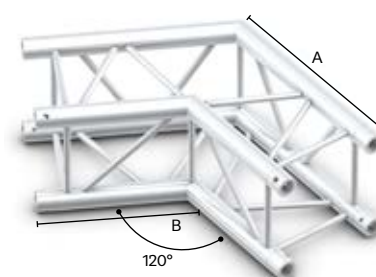
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

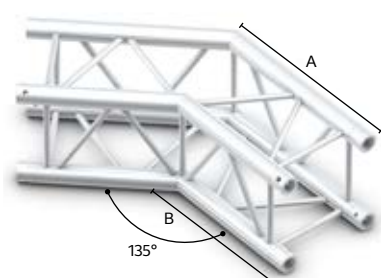
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

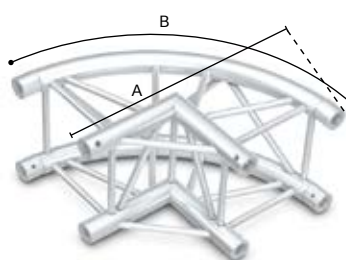
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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

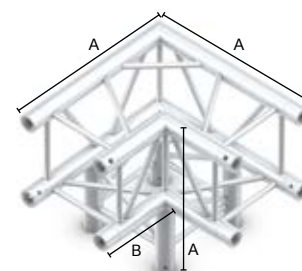
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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)

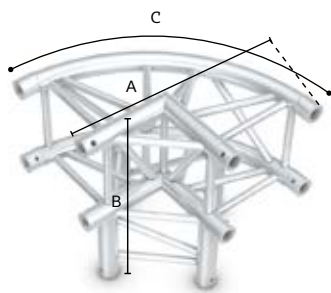


3-WAY CORNER 90°

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)

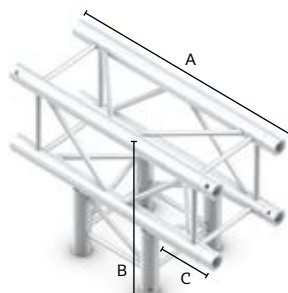
The B, U, F and K, KF male connectors are identical to the V, VU, VF and L, LF variants respectively.
The B, U, F and K, KF variants are fully compatible with the V, VU, VF and L, LF variants respectively.



3-WAY CURVED CORNER 90°

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

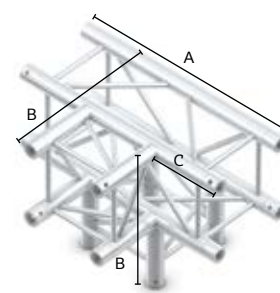
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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	QTVU35 3wayT	500	500	210	5.5
M290	QTVUU35 3wayT	500	500	210	6.2
M390	QTL35 3wayT	810	600	210	11.2

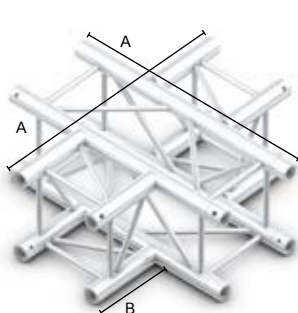
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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	QLVUU 40 4wayT	500	500	210	8.5
M390	QLL40 4wayT	810	600	210	14.4

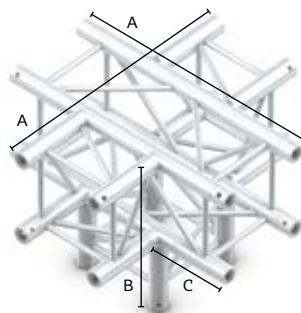
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



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.





Multicubes

and book corners

Connected



Use QR code
for full range

Multicubes and book corners for

M222 – M950

- The perfect solution for production house stock inventory
- Integrated location holes for quick set-up and reconfiguration
- Light, regular and heavy-duty versions available (M290 / M390 only)
- Heavy-duty cubes enable maximum loading capacity from your trusses
- Male and female receiver accessories available
- Flexible use
- Profiled tube with thread



Heavy-duty



Regular

MULTICUBE FOR M222 QUATRO SERIES

Series	Code		A	B	kg	lbs
M222	QC-M222	mm in	222.0 (8.74)	–	2.4 (5.28)	

Suitable fittings: CON85M|FemalePin or CON77M|MalePin

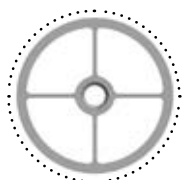
MULTICUBE FOR M290 QUATRO SERIES

Series	Code		A	B	kg	lbs
M290	QC-M290B	mm in	289.2 (11.39)	–	5.0 (11.02)	
M290	QC-M290B-HD	mm in	289.2 (11.39)	–	8.1 (17.85)	

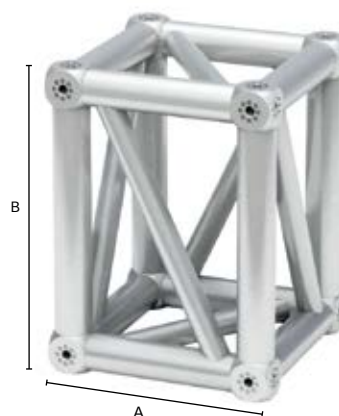
Suitable fittings: CON63B|MalePin or CON64B|FemalePin



Heavy-duty



Regular



MULTICUBE FOR M390 QUATRO SERIES

Series	Code		A	B	kg	lbs
M390	QC-M390K	mm in	388.4 (15.29)	–	6.0 (12.25)	
M390	QC-M390K-HD	mm in	388.4 (15.29)	–	11.1 (24.47)	

Suitable fittings: CON63B|MalePin or CON64B|FemalePin

MULTICUBE FOR M290x390 RECT SERIES

Series	Code		A	B	kg	lbs
M290x390	RC-M290/M390-HD	mm in	288.4 (11.35)	388.4 (15.29)	7.0 (15.4)	

Suitable fittings: CON63B|MalePin or CON64B|FemalePin



MULTICUBE FOR M400 RECT SERIES

Series	Code	mm	in	A	B	kg	lbs
M400 RECT	RC-M400			264.9 (10.43)	357 (14.06)	12.5	(27.50)

Suitable fittings: CON470|Female



MULTICUBE FOR M400 QUATRO SERIES

Series	Code	mm	in	A	B	kg	lbs
M400 QUATRO	QC-M400			357.0 (14.06)		15.4	(33.88)

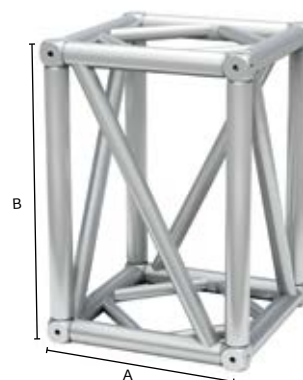
Suitable fittings: CON470|Female



MULTICUBE FOR M520 QUATRO SERIES

Series	Code	mm	in	A	B	kg	lbs
M520 QUATRO	QC-M520			527.7 (20.78)		24.5	(53.90)

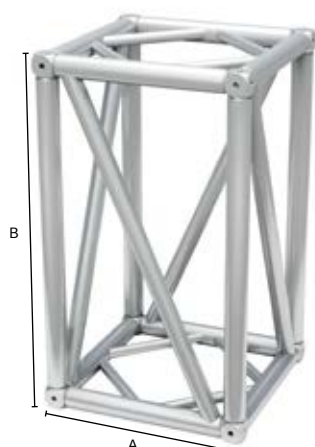
Suitable fittings: CON470|Female



MULTICUBE FOR M760 RECT SERIES

Series	Code	mm	in	A	B	kg	lbs
M760 RECT	RC-M760			527.7 (20.78)	769.7 (30.28)	29.4	(64.80)

Suitable fittings: CON470|Female



MULTICUBE FOR M950 RECT SERIES

Series	Code	mm	in	A	B	kg	lbs
M950 RECT	RC-M950			578.5 (22.78)	1000.0 (39.37)	36.2	(79.64)

Suitable fittings: CON470|Female

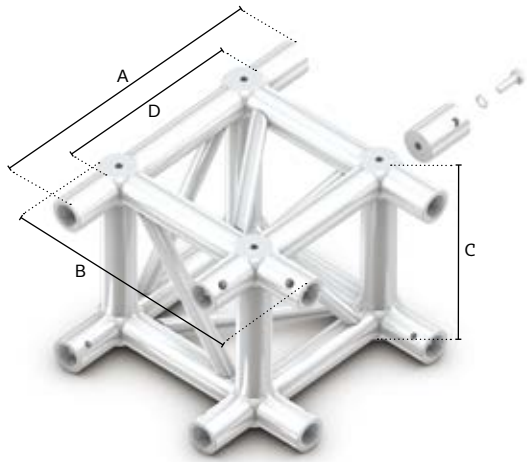


QBB1|M290BC

Book corner for M290 series

Series	kg	lbs
M290	6.15	(13.55)

Can be attached for use with M290 QUATRO and TRIO (apex up/down) formats.
Suitable fittings: CON70B|Male

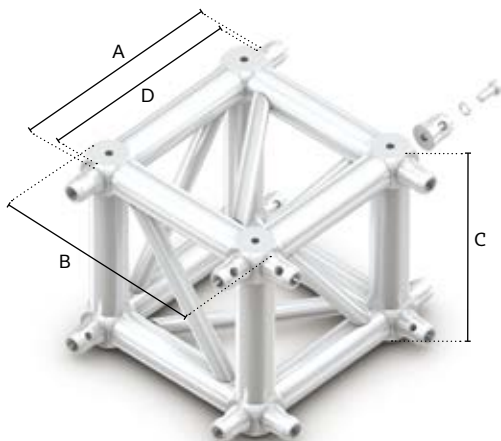


DIMENSIONS – FOR FEMALE CONNECTOR USE

Cube type		A	B	C	D
M222	mm in	322.0 (12.68)	272.0 (10.71)	222.0 (8.74)	222.0 (8.74)
M290		439.2 (17.29)	364.2 (14.34)	289.2 (11.39)	289.2 (11.39)
M390		538.4 (21.20)	463.4 (18.24)	388.4 (15.29)	388.4 (15.29)
M290×390		438.4 (17.25)	363.4 (14.30)	388.4 (15.29)	288.4 (11.35)
M400		537.0 (21.14)	447.0 (17.60)	357.0 (14.06)	357.0 (14.06)
M400 RECT		445.0 (17.52)	354.9 (13.97)	357.0 (14.06)	264.9 (10.43)
M520		707.7 (27.86)	617.7 (24.32)	527.7 (20.76)	527.7 (20.76)
M760		707.7 (27.86)	617.7 (24.32)	769.7 (30.30)	527.7 (20.76)
M950 RECT		757.7 (29.83)	667.7 (26.29)	999.2 (39.34)	577.7 (22.74)

FEMALE CONNECTORS

Cube type	CON code	Female connector	Bolt	Washer	Shoulder length
M222	CON85M FemalePin	M Multicube	M10×25 ALLEN	d10.2/18.1	50.0 (1.97)
M290	CON64B FemalePin	B Multicube-K6×10	M12×35 HEX	d12.2/21	75.0 (2.95)
M390	CON64F FemalePin	F Multicube-K6×10	M12×35 HEX	d12.2/21	75.0 (2.95)
M290×390	CON64U FemalePin	U Multicube-K6×10	M12×35 HEX	d12.2/21	75.0 (2.95)
M400	CON470 Female	O Multicube	M16×40 HEX	d16.2/27.4	90.0 (3.54)
M520					
M760					
M950					

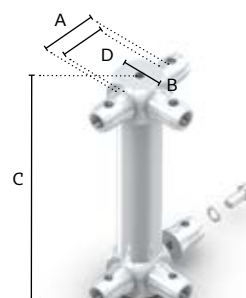
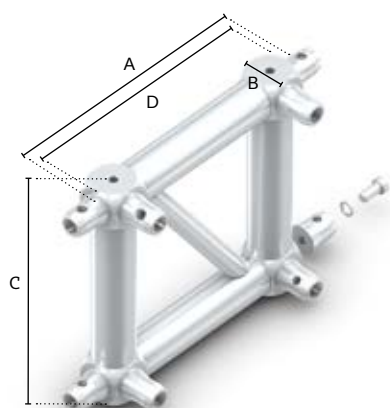


DIMENSIONS – FOR MALE HALF CONNECTOR USE

Cube type		A	B	C	D
M222	mm in	224.0 (8.82)	223.0 (8.78)	222.0 (8.74)	222.0 (8.74)
M290		291.2 (11.46)	290.2 (11.43)	289.2 (11.39)	289.2 (11.39)
M390		390.4 (15.37)	389.4 (15.33)	388.4 (15.29)	388.4 (15.29)
M290×390		290.4 (11.43)	289.4 (11.39)	388.4 (15.29)	288.4 (11.35)

MALE HALF CONNECTORS

Cube type	CON code	Male connector	Bolt	Washer	Shoulder length
M222	CON62	MM-D10-steel	M10×16 ALLEN; 8.8	d10.2/16	1.0 (0.04)
M290	CON63B MalePin	BM/D12-steel-K6×10	M12×25 ALLEN; 10.9	d12.2/18	1.0 (0.04)
M390	CON63F MalePin	FM/D12-steel-K6×10	M12×25 ALLEN; 10.9	d12.2/18	1.0 (0.04)
M290×390	CON63U MalePin	UM/D12-steel-K6×10	M12×25 ALLEN; 10.9	d12.2/18	1.0 (0.04)



DIMENSIONS – FOR MALE CONNECTOR USE – TYPE QC/BC

Cube type		A	B	C	D
QC/BC-M222	mm in	224.0 (8.82)	33.8 (1.33)	222.0 (8.74)	222.0 (8.74)
QC/BC-M290		291.2 (11.47)	50.6 (1.99)	289.2 (11.39)	289.2 (11.39)
QC/BC-M390		390.4 (15.37)	50.6 (1.99)	388.4 (15.29)	388.4 (15.29)

DIMENSIONS – FOR MALE CONNECTOR USE – TYPE BC

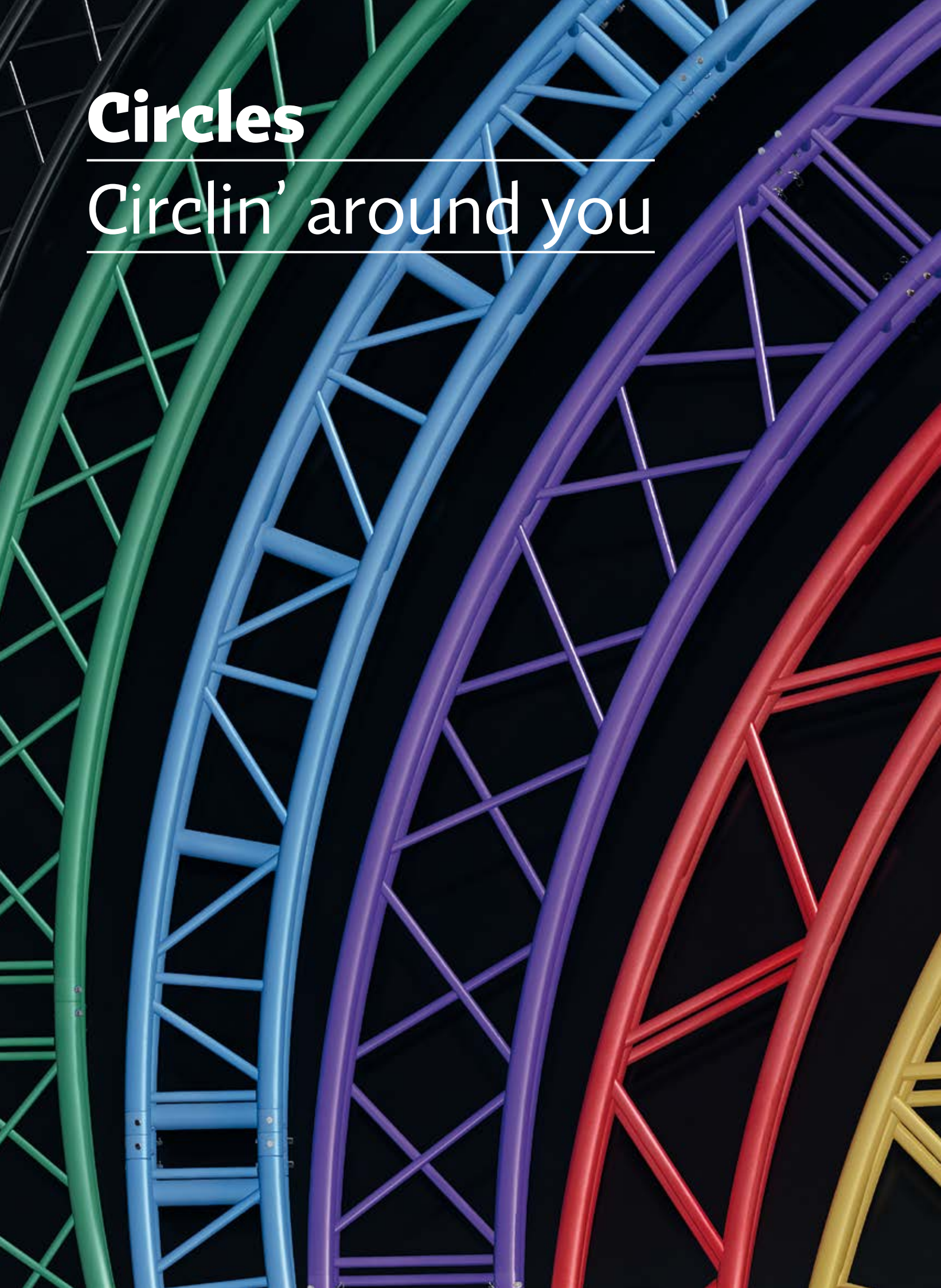
Cube type		A	B	C	D
BC-M222	mm in	34.8 (1.37)	33.8 (1.33)	222.0 (8.74)	32.8 (1.29)
BC-M290		51.6 (2.03)	50.6 (1.99)	289.2 (11.39)	49.6 (1.95)
BC-M390		51.6 (2.03)	50.6 (1.99)	388.4 (15.29)	49.6 (1.95)

MALE HALF CONNECTORS

Cube type	CON code	Male connector	Bolt	Washer		Shoulder length
M222	CON62	MM-D10-steel	M10×16 ALLEN; 8.8	d10.2/16	mm in	1.0 (0.04)
M290	CON63B MalePin	BM/D12-steel-K6×10	M12×25 ALLEN; 10.9	d12.2/18		1.0 (0.04)
M390	CON63F MalePin	FM/D12-steel-K6×10	M12×25 ALLEN; 10.9	d12.2/18		1.0 (0.04)

NOTE:

Female and male connectors are supplied separately from multicubes. To calculate the number of connectors required, determine how many directions (ways) the cube is to be configured and multiply this number by 4 (i.e. 4-way junction requires 16 connectors).



Circles

Circlin' around you



Use QR code
for full range

Circles

- Curved profiles add bespoke style to any area or exhibit
- Precision CNC rolling process to create any radius from 460 mm (18.1") upwards
- Fast connection for quick, simple and secure assembly
- Powder-coated colour finish available on request
- No maximum diameter limit
- Minimum diameter is 1.4 m (4.6') for M290 and 1.6 m (5.2') for M390
- Longest curved segment is 3.2 m (10.5')
- Increments of four (4) enable the most flexible reconfiguration.
- This also allows a circle to be used complete, as $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ or together with standard straight truss and junctions
- Multiple choices for segment configuration
- Circles for bigger truss types (M400-M950) on request

STANDARD SINGLE TUBE CIRCLES

Diameter	3 m (9.84')	4 m (13.12')	5 m (16.40')	6 m (19.69')	8 m (26.25')
	4 segments	4 segments	8 segments	8 segments	8 segments
M100	☑	☑	☑	☑	☑



Series	Outer diameter	Segments	Code
M100	3 m (9.84')	4	CrTBd3000 4/4
M100	4 m (13.12')	4	CrTBd4000 4/4
M100	5 m (16.40')	8	CrTBd5000 8/8
M100	6 m (19.69')	8	CrTBd6000 8/8
M100	8 m (26.25')	8	CrTBd8000 8/8

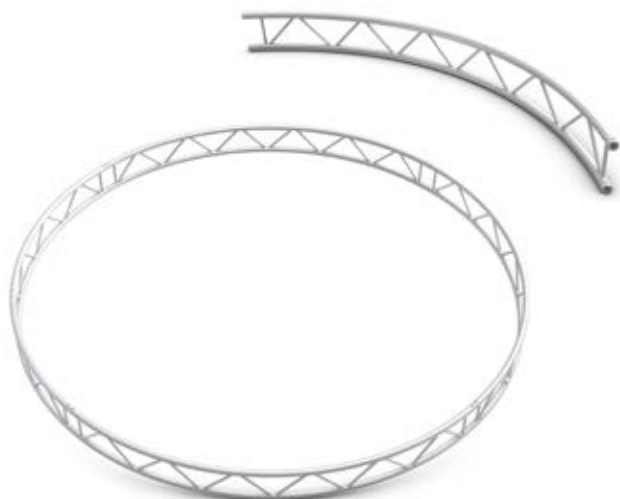
F- and U-compatible versions available.

NOTE:

Circles are hand-made and therefore subject to higher tolerances. When brace positions matter, kindly specify the required set-up when placing your order.

STANDARD DUO TRUSS CIRCLES IN HORIZONTAL AND VERTICAL POSITION

Diameter	2 m (6.56')	3 m (9.84')	4 m (13.12')	5 m (16.40')	6 m (19.69')	8 m (26.25')
	2 or 4 segments	4 segments	4 segments	8 segments	8 segments	8 segments
M222	☑	☑	☑	–	–	–
M290	☑	☑	☑	☑	☑	☑
M290 HD	☑	☑	☑	☑	☑	☑
M390	–	☑	☑	☑	☑	☑
M390 HD	–	☑	☑	☑	☑	☑



Series	Outer diameter	Segments	Code
M222	2 m (6.56')	4	CrBTMd2000 4/4 h
M222	2 m (6.56')	4	CrBTMd2000 4/4 v
M222	3 m (9.84')	4	CrBTMd3000 4/4 h
M222	3 m (9.84')	4	CrBTMd3000 4/4 v
M222	4 m (13.12')	4	CrBTMd4000 4/4 h
M222	4 m (13.12')	4	CrBTMd4000 4/4 v

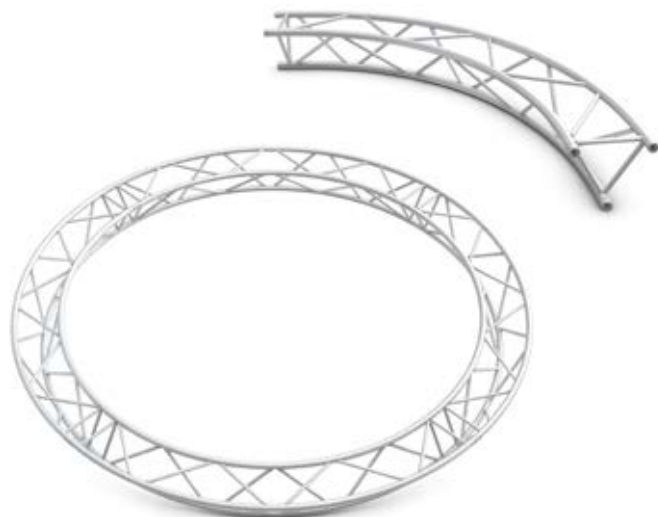
M290	2 m (6.56')	2	CrBTBd2000 2/2 h
M290	2 m (6.56')	2	CrBTBd2000 2/2 v
M290	3 m (9.84')	4	CrBTBd3000 4/4 h
M290	3 m (9.84')	4	CrBTBd3000 4/4 v
M290	4 m (13.12')	4	CrBTBd4000 4/4 h
M290	4 m (13.12')	4	CrBTBd4000 4/4 v
M290	5 m (16.40')	8	CrBTBd5000 8/8 h
M290	5 m (16.40')	8	CrBTBd5000 8/8 v
M290	6 m (19.69')	8	CrBTBd6000 8/8 h
M290	6 m (19.69')	8	CrBTBd6000 8/8 v
M290	8 m (26.25')	8	CrBTBd8000 8/8 h
M290	8 m (26.25')	8	CrBTBd8000 8/8 v

M390	3 m (9.84')	4	CrBTKd3000 4/4 h
M390	3 m (9.84')	4	CrBTKd3000 4/4 v
M390	4 m (13.12')	4	CrBTKd4000 4/4 h
M390	4 m (13.12')	4	CrBTKd4000 4/4 v
M390	5 m (16.40')	8	CrBTKd5000 8/8 h
M390	5 m (16.40')	8	CrBTKd5000 8/8 v
M390	6 m (19.69')	8	CrBTKd6000 8/8 h
M390	6 m (19.69')	8	CrBTKd6000 8/8 v
M390	8 m (26.25')	8	CrBTKd8000 8/8 h
M390	8 m (26.25')	8	CrBTKd8000 8/8 v

F- and U-compatible versions available.

STANDARD TRIO TRUSS CIRCLES IN APEX DOWN/UP POSITION

Diameter	2 m (6.56')	3 m (9.84')	4 m (13.12')	5 m (16.40')	6 m (19.69')	8 m (26.25')
	2 or 4 segments	4 segments	4 segments	8 segments	8 segments	8 segments
M222	☑	☑	☑	–	–	–
M290	☑	☑	☑	☑	☑	☑
M290 HD	☑	☑	☑	☑	☑	☑
M390	–	☑	☑	☑	☑	☑
M390 HD	–	☑	☑	☑	☑	☑



Series	Outer diameter	Segments	Code
M222	2 m (6.56')	4	CrSTMd2000 4/4 ud
M222	3 m (9.84')	4	CrSTMd3000 4/4 ud
M222	4 m (13.12')	4	CrSTMd4000 4/4 ud

M290	2 m (6.56')	4	CrSTBd2000 4/4 ud
M290	3 m (9.84')	4	CrSTBd3000 4/4 ud
M290	4 m (13.12')	4	CrSTBd4000 4/4 ud
M290	5 m (16.40')	8	CrSTBd5000 8/8 ud
M290	6 m (19.69')	8	CrSTBd6000 8/8 ud
M290	8 m (26.25')	8	CrSTBd8000 8/8 ud

M390	3 m (9.84')	4	CrSTKd3000 4/4 ud
M390	4 m (13.12')	4	CrSTKd4000 4/4 ud
M390	5 m (16.40')	8	CrSTKd5000 8/8 ud
M390	6 m (19.69')	8	CrSTKd6000 8/8 ud
M390	8 m (26.25')	8	CrSTKd8000 8/8 ud

F- and U-compatible versions available.

STANDARD QUATRO TRUSS CIRCLES

Diameter	2 m (6.56')	3 m (9.84')	4 m (13.12')	5 m (16.40')	6 m (19.69')	8 m (26.25')
	2 or 4 segments	4 segments	4 segments	8 segments	8 segments	8 segments
M222	☑	☑	☑	–	–	–
M290	☑	☑	☑	☑	☑	☑
M290 HD	☑	☑	☑	☑	☑	☑
M390	–	☑	☑	☑	☑	☑
M390 HD	–	☑	☑	☑	☑	☑
M290×M390	–	–	☑	☑	☑	☑



Series	Outer diameter	Segments	Code
M222	2 m (6.56')	4	CrQTMd2000 4/4
M222	3 m (9.84')	4	CrQTMd3000 4/4
M222	4 m (13.12')	4	CrQTMd4000 4/4

M290	2 m (6.56')	4	CrQTBd2000 4/4
M290	3 m (9.84')	4	CrQTBd3000 4/4
M290	4 m (13.12')	4	CrQTBd4000 4/4
M290	5 m (16.40')	8	CrQTBd5000 8/8
M290	6 m (19.69')	8	CrQTBd6000 8/8
M290	8 m (26.25')	8	CrQTBd8000 8/8

M390	3 m (9.84')	4	CrQTKd3000 4/4
M390	4 m (13.12')	4	CrQTKd4000 4/4
M390	5 m (16.40')	8	CrQTKd5000 8/8
M390	6 m (19.69')	8	CrQTKd6000 8/8
M390	8 m (26.25')	8	CrQTKd8000 8/8

M290×390	4 m (13.12')	4	CrRTLd4000 4/4
M290×390	5 m (16.40')	8	CrRTLd5000 8/8
M290×390	6 m (19.69')	8	CrRTLd6000 8/8
M290×390	8 m (26.25')	8	CrRTLd8000 8/8

F- and U-compatible versions available.



Truss accessories

Add your creativity





Use QR code
for full range

Truss accessories

- All types of connectors
- Aluminium base plates
- Heavy-duty plates
- Male and female cube connectors
- Ceiling supports
- Plastic clips
- Connection sets



CCM

Series	kg	lbs
M222	0.06	(0.13)

Conical connector M



PM|PIN

Series	kg	lbs
M222	0.02	(0.04)

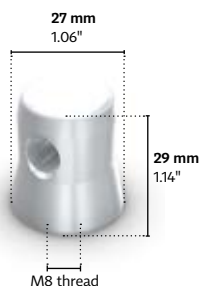
Pin M



PMM6SET

Series	kg	lbs
M222	0.02	(0.04)

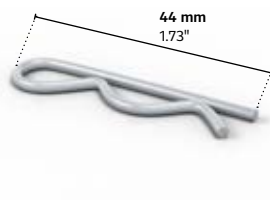
Pin M with M6 thread
Supplied with washer and nylock nut.



CCMM8|MALE

Series	kg	lbs
M222	0.03	(0.07)

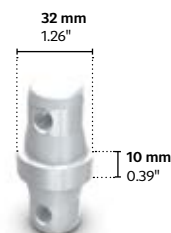
Half connector M with M8 thread
Fixing screw not included (order separately if required).



SRPM

Series	kg	lbs
M222	0.01	(0.02)

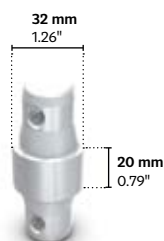
Safety R-clip B
For truss series M222/M290/M390.



CCMD10

Series	kg	lbs
M222	0.08	(0.18)

Spacer M 10 mm (0.39")



CCMD20

Series	kg	lbs
M222	0.10	(0.22)

Spacer M 20 mm (0.79")



CCMD30

Series	kg	lbs
M222	0.12	(0.26)

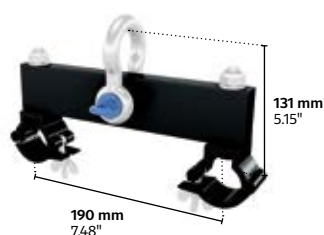
Spacer M 30 mm (1.18")



CCMD40

Series	kg	lbs
M222	0.14	(0.31)

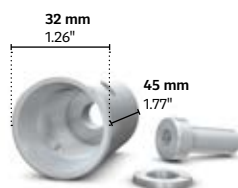
Spacer M 40 mm (1.58")



CS-M222|COLOR

Series	kg	lbs
M222	1.2	(2.64)

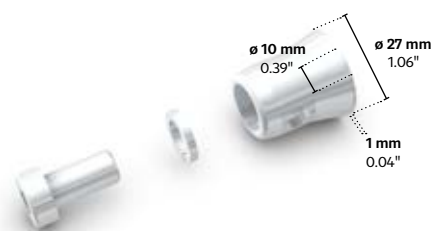
Ceiling support for M222
SWL 250 kg (551 lbs).



CON85M|FEMALEPIN

Series	kg	lbs
M222	0.08	(0.18)

Female fitting for Multicube QC-M222
Supplied with washer and M10×25 bolt.



CON77M|MALEPIN

Series	kg	lbs
M222	0.07	(0.15)

Male fitting for Multicube QC-M222
Supplied with washer and M10×16 bolt.



CON19M|PARCELTRIO

Series	kg	lbs
M222	0.30	(0.66)

Connection set – TRIO truss
3× CCM, 6× PM|Pin, 6× SRPM.



CON20M|PARCELQUATRO

Series	kg	lbs
M222	0.40	(0.88)

Parcel Quatro (4× CCM, 8× PM, 8× SRPM)
Connection set for QUATRO truss.



CON18M|PARCELDUO

Series	kg	lbs
M222	0.20	(0.44)

Connection set – DUO truss
2× CCM, 4× PM|Pin, 4× SRPM.



CCB

Series	kg	lbs
M290	0.11	(0.24)
M290E		
M390		
M290×390		

Conical connector B
F- and U-compatible versions available.



PB|PIN

Series	kg	lbs
M290	0.05	(0.11)
M290E		
M390		
M290×390		

Pin B



PBM8SET

Series	kg	lbs
M290	0.08	(0.18)
M290E		
M390		
M290×390		

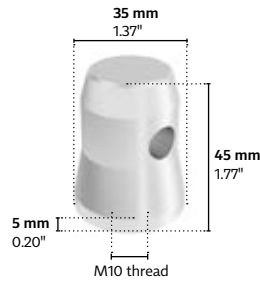
Pin B with M8 thread
Supplied with washer and nylock nut.



PBM8SSSET

Series	kg	lbs
M290	0.08 (0.18)	
M290E		
M390		
M290×390		

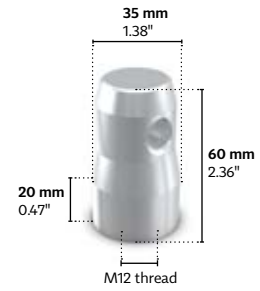
Stainless steel pin B with M8 thread
Supplied with washer and nylock nut.



CCBP/M10|MALE

Series	kg	lbs
M290	0.07 (0.15)	
M390		
M290×390		

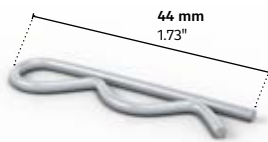
Half connector B with M10 thread
Fixing screw not included (order separately if required).
F- and U-compatible versions available.



CCBM/12|MALE

Series	kg	lbs
M290	0.12 (0.26)	
M390		
M290×390		

Half connector B with M12 thread
Fixing screw not included (order separately if required).
F- and U-compatible versions available.



SRPB

Series	kg	lbs
M222	0.002 (0.04)	
M290E		
M390		
M290×390		

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



CCBD10

Series	kg	lbs
M290	0.20 (0.44)	
M390		
M290×390		

Spacer B 10 mm (0.39")
F- and U-compatible version available.



CCBD20

Series	kg	lbs
M290	0.25 (0.55)	
M390		
M290×390		

Spacer B 20 mm (0.79")
F- and U-compatible version available.



CCBD30

Series	kg	lbs
M290	0.30 (0.66)	
M390		
M290×390		

Spacer B 30 mm (1.18")
F- and U-compatible version available.



CCBD40

Series	kg	lbs
M290	0.36 (0.79)	
M290E		
M390		
M290×390		

Spacer B 40 mm (1.58")
F- and U-compatible version available.



CCBD50

Series	kg	lbs
M290	0.41 (0.90)	
M290E		
M390		
M290×390		

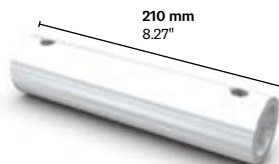
Spacer B 50 mm (2")
Various lengths available on request.
F- and U-compatible version available.



CFBD105

Series	kg	lbs
M290		
M390	0.33	(0.73)
M290×390		

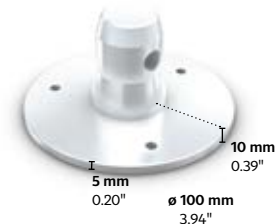
105 mm (4.13") female spacer
F- and U-compatible version available.



CFBD210

Series	kg	lbs
M290		
M390	0.68	(0.84)
M290×390		

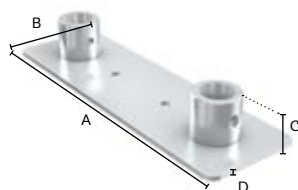
210 mm (8.27") female spacer
F- and U-compatible version available.



BBPSC|MALE

Series	kg	lbs
M100		
M290	0.19	(0.42)
M390		
M290×390		

Base plate with half connector
F- and U-compatible version available.

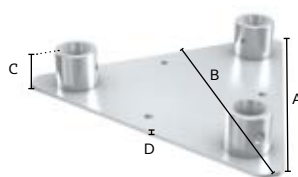


Duo base plates with female receivers

Series	Code	A	B	C	D	kg
M222	MWPD FEMALE	240	90	45	5	0.50
M290	BWPD FEMALE	310	110	50	5	0.74
M390	KWPD FEMALE	410	110	50	5	0.89

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

F- and U-compatible versions available.

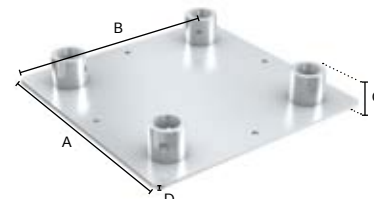


Trio base plates with female receivers

Series	Code	A	B	C	D	kg
M222	MWPT FEMALE	262	230	45	5	0.70
M290	BWPT FEMALE	346	303	50	5	1.23
M390	KWPT FEMALE	441	385	50	5	1.70

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

F- and U-compatible versions available.



Quatro base plates with female receivers

Series	Code	A	B	C	D	kg
M222	MWPQ FEMALE	240	240	45	5	1.04
M290	BWPQ FEMALE	310	310	50	5	1.86
M390	KWPQ FEMALE	410	410	50	5	2.83

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

F- and U-compatible versions available.

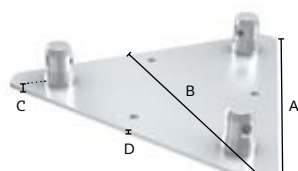


Duo base plates with half connectors

Series	Code	A	B	C	D	kg
M222	MWPD MALE	240	90	10	5	0.40
M290	BWPD MALE	310	110	10	5	0.64
M390	KWPD MALE	410	110	10	5	0.79

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

F- and U-compatible versions available.

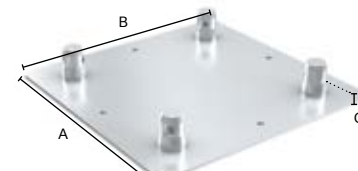


Trio base plates with half connectors

Series	Code	A	B	C	D	kg
M222	MWPT MALE	262	230	10	5	0.60
M290	BWPT MALE	346	303	10	5	1.08
M390	KWPT MALE	441	385	10	5	1.57

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

F- and U-compatible versions available.

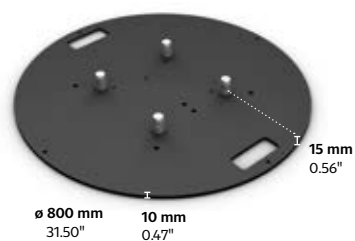


Quatro base plates with half connectors

Series	Code	A	B	C	D	kg
M222	MWPQ MALE	240	240	10	5	0.94
M290	BWPQ MALE	310	310	10	5	1.65
M390	KWPQ MALE	410	410	10	5	2.63
M400	OWPQ MALE	410	410	15	5	3.10
M520	PWPQ MALE	600	600	30.5	10	10.85

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

F- and U-compatible versions available.

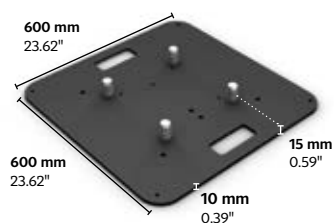


BBPD800|QTB|STEEL

Series	kg	lbs
M222		
M290	38.58	(85.05)
M390		

Round steel base plate with half connectors

Pre-drilled holes for multiple truss ranges and shapes.
F- and U-compatible versions available.

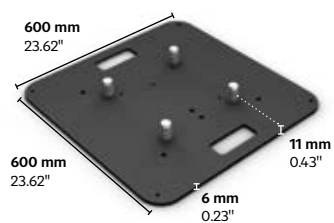


BBP600×600×10|QTB|STEEL

Series	kg	lbs
M222		
M290	27.14	(59.83)
M390		

Steel base plate with half connectors

Pre-drilled holes for multiple truss ranges and shapes.
F- and U-compatible versions available.

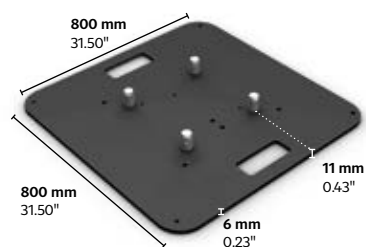


BBP600×600×6|QTB|STEEL

Series	kg	lbs
M222		
M290	16.1	(35.5)
M390		

Steel base plate with half connectors

Pre-drilled holes for multiple truss ranges and shapes.
F- and U-compatible versions available.

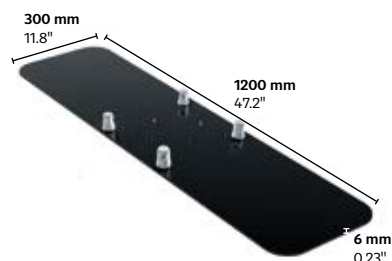


BBP800×800×6|QTB|STEEL

Series	kg	lbs
M222		
M290	29.3	(64.6)
M390		

Steel base plate with half connectors

Pre-drilled holes for multiple truss ranges and shapes.
F- and U-compatible versions available.

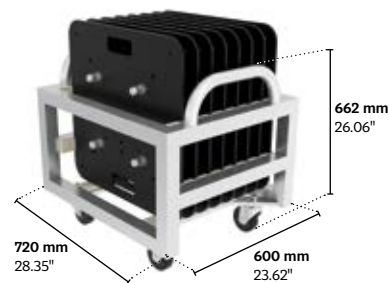


BBP1200×300|QTB|STEEL

Series	kg	lbs
M222		
M290	16.75	(36.9)

Steel base plate with half connectors

Pre-drilled holes for multiple truss ranges and shapes.
F- and U-compatible versions available.



BP-DOLLY-M-B-K-600×600

kg	lbs
31.00	(68.34)

Transport/storage solution for up to 8 pcs. of 600×600 mm steel truss base plates.



BASEPLATERUBBERPAD|BBP600×600

Series	kg	lbs
M222		
M290	1.40	(3.08)
M390		

High-density rubber pads to fix under your base plates



BASEPLATERUBBERPAD|BWP310×310

Series	kg	lbs
M290	0.4	(0.88)

High-density rubber pads to fix under your base plates



CCO

Series	kg	lbs
M400	0.30 (0.66)	
M520		
M760		
M950		

Conical connector O



PO|PIN

Series	kg	lbs
M400	0.12 (0.26)	
M520		
M760		
M950		

Pin O



POM12SET

Series	kg	lbs
M400	0.12 (0.26)	
M520		
M760		
M950		

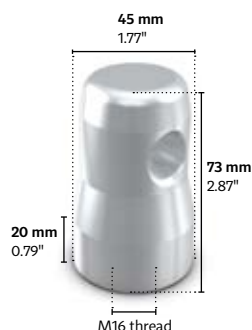
Pin O with M12 thread
Supplied with washer and nylock nut.



POM12SSSET

Series	kg	lbs
M400	0.12 (0.26)	
M520		
M760		
M950		

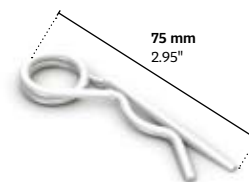
Stainless steel pin O with M12 thread
Supplied with washer and nylock nut.



CCOM16|MALE

Series	kg	lbs
M400	0.23 (0.51)	
M520		
M760		
M950		

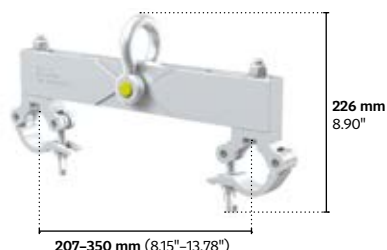
Half conical connector O with M16 thread
Fixing screw not included (order separately if required).



SRPO

Series	kg	lbs
M400	0.003 (0.07)	
M520		
M760		
M950		
M1200		

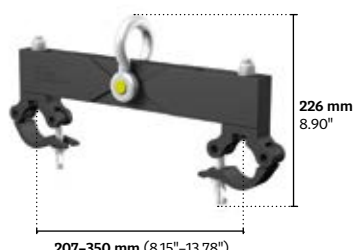
Safety R-clip O



CS-M290/M400

Series	kg	lbs
M290	2.92 (6.44)	
M290E		
M390		
M290x390		
M400		
4GS-35		

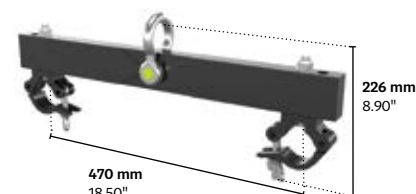
Ceiling support - silver
SWL 1000 kg (2204 lbs) - DGUUV17/BGVC1



CS-M290/M400|COLOR

Series	kg	lbs
M290	2.92 (6.44)	
M290E		
M390		
M290x390		
M400		
4GS-35		

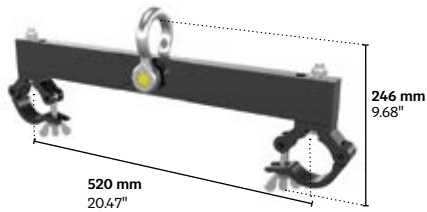
Ceiling support - black
SWL 1000 kg (2204 lbs) - DGUUV17/BGVC1



CS-M520/M760|COLOR

Series	kg	lbs
M520	9.0 (19.84)	
M760		

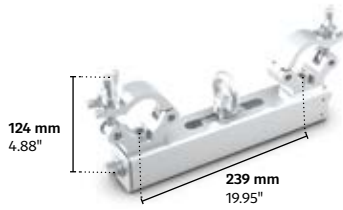
Ceiling support - black
SWL 1120 kg (2470 lbs) - DGUUV17/BGVC1



CS-M950|COLOR

Series	kg	lbs
M950	9.6	(21.16)

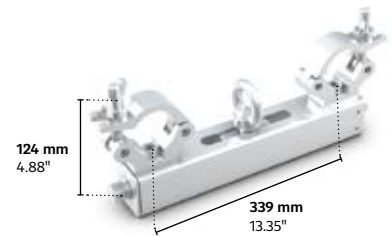
Ceiling support – black
SWL 1000 kg (2204 lbs) – DGUV17/BGV C1



CS3B-ADJ-M290

Series	kg	lbs
M290		
M290	3.50	(7.71)
M290×390		

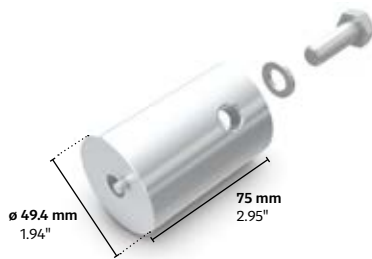
Ceiling support for M290 – adjustable centre of gravity
SWL 340 kg (749.6 lbs)



CS3B-ADJ-M390

Series	kg	lbs
M390	3.50	(7.71)

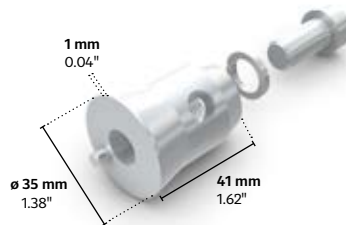
Ceiling support for M390 – adjustable centre of gravity
SWL 340 kg (749.6 lbs)



CON64B|FEMALEPIN

Series	kg	lbs
M290		
M390	0.32	(0.71)
M290×390		

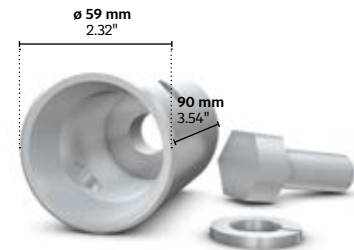
Female connector for Multicubes M290/M390 series
Supplied with washer and M12×35 bolt.
F- and U-compatible version available.



CON63B|MALEPIN

Series	kg	lbs
M290		
M390	0.17	(0.37)
M290×390		

Male connector for Multicubes M290/M390 series
Supplied with washer and M12×25 bolt.
F- and U-compatible version available.



CON470|FEMALE

Series	kg	lbs
M400		
M520	0.50	(1.10)
M950		
M760		

Female connector for Multicubes M400/M520/M760/M950 series
Supplied with washer and M16×40 bolt.



CON16B|PARCELDUO

Series	kg	lbs
M290	0.49	(1.08)
M390		

Connection set – DUO truss
2× CCB, 4× PB|Pin, 4× SRPB
F- and U-compatible version available.



CON12B|PARCELTRIO

Series	kg	lbs
M290	0.73	(1.61)
M390		

Connection set – TRIO truss
3× CCB, 6× PB|Pin, 6× SRPB
F- and U-compatible version available.



CON17B|PARCELQUATRO

Series	kg	lbs
M290	0.73	(1.61)
M390		
M290×390		

Connection set – QUATRO trussxx
4× CCB, 8× PB|Pin, 8× SRPB
F- and U-compatible version available.



CON420|PARCELQUATRO

Series	kg	lbs
M400		
M520		
M760	2.16	(4.76)
M950		

Connection set – QUATRO truss
4× CCO, 8× PO|Pin, 8× SRPM



CON84M|PARCELQC|MALEPIN

Series	kg	lbs
M222		

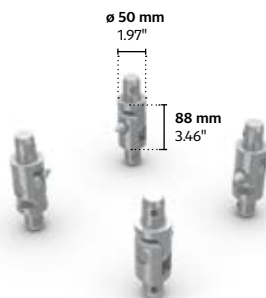
Parcel for Multicube truss series M222
(4× CON77M + 4× PM + 4× SRPM)



CON82B|PARCELQC|MALEPIN

Series	kg	lbs
M290/390		

Parcel for Multicube truss series M290/M390
(4× CON63B + 4× PB + 4× SRPB)
F- and U-compatible version available.



MT1-07B|HINGES|4PCS

Series	kg	lbs
M290	2.40	(5.28)
M390		

Set of 4 hinge parts for towers
F- and U-compatible versions available.



CCR

Series	kg	lbs
M1200	0.65	(1.43)

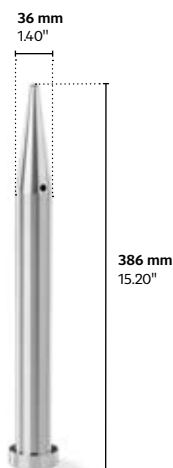
Conical connector R for truss series M1200



PR|PIN

Series	kg	lbs
M1200	0.21	(0.46)

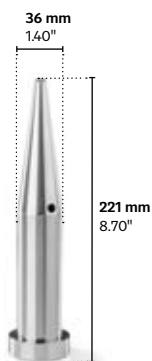
Pin R for truss series M1200



PW-FTZ

Series	kg	lbs
S-FTZ Fold	2.70	(5.95)

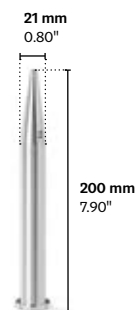
Pin W-FTZ



PW

Series	kg	lbs
S-M1450 Rect		
S-FTZ Fold	1.40	(3.08)

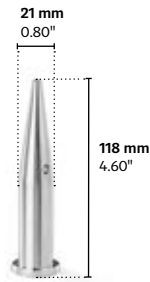
Pin W



PQ-FTD

Series	kg	lbs
S-M1010 Trio	0.50	(1.10)

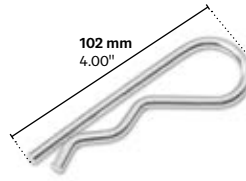
Pin Q-FTD



PQ

Series	kg	lbs
S-M530 Quatro	0.20	(0.44)
S-M780 Quatro		
S-M1010 Rect		
S-M1010 Trio		

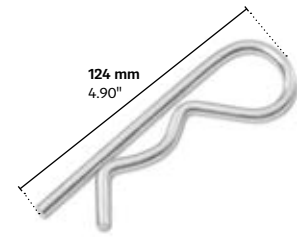
Pin Q



SRPQ

Series	kg	lbs
S-M530 Quatro	0.03	(0.07)
S-M780 Quatro		
S-M1010 Rect		
S-M1010 Trio		

Safety R-clip Q



SRPW

Series	kg	lbs
S-M1450 Rect	0.06	(0.13)
S-FTZ Fold Trio		

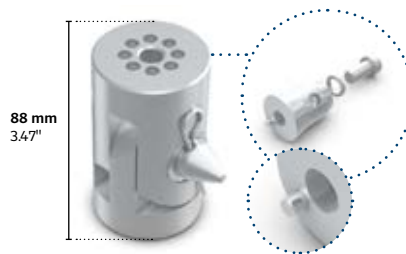
Safety R-clip W



CUBE-B-UNI

Series	kg	lbs
M100	0.27	(0.60)
M290		
M390		
M290×390		

Multiconnection cube with 360° adjustability



HINGEQB-UNI

Series	kg	lbs
M100	0.27	(0.60)
M290		
M390		
M290×390		

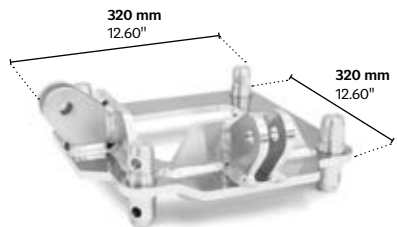
Multiconnection hinge with 360° adjustability



MODULARHINGE-B

Series	kg	lbs
M100	0.49	(1.08)
M290		
M390		
M290×390		

Modular hinge solution for DUO, TRIO, QUATRO in one Set includes 2× CON63B|MalePin. F- and U-compatible versions available.



CORNERBRACEHD-QTB2

Series	kg	lbs
M290	4.00	(8.82)

Advanced roof corner reinforcement component that eliminates the need for guy wires



CORNERBRACEHD-STRUT-L889

Series	kg	lbs
M290	1.40	(3.08)

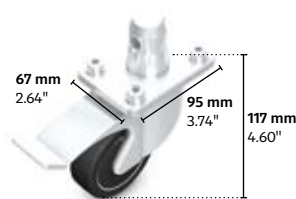
Strut for use with the main Corner Brace HD reinforcement component



CBD50

Series	kg	lbs
M290	-	-

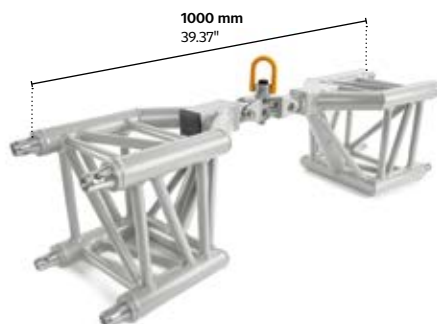
Corner brace 1000 mm or 2000 mm for tube 48-50 mm



BBPSC-GW

Series	kg	lbs
M100		
M290	2.00	(4.41)
M390		
M290×390		

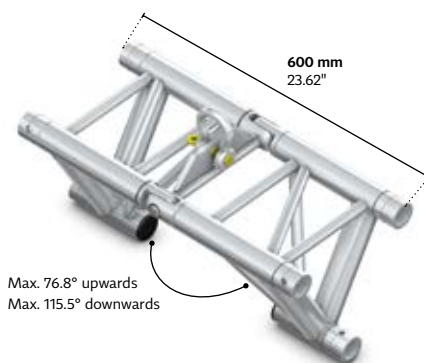
Transport wheel with brake and half coupler
F- and U-compatible versions available.



MUH-M290-HD|1000

Series	kg	lbs
M290	12.85	(28.33)

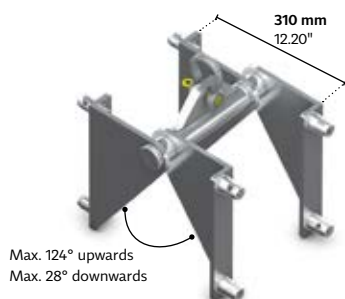
Hinged component that enables virtually infinite height and angular configurations for exciting backdrops and support structures
Image is for illustrative purposes only.
Connection material is not part of the product.



HP-STB-FLEX

Series	kg	lbs
M290	7.20	(15.87)
M390		

Flexible hinge section for TRIO trusses
WLL 1000 kg (2204.2 lbs)
DGVV 17 / BGV C1
F- and U-compatible versions available.



HP-QTB-FLEX

Series	kg	lbs
M290	9.70	(21.37)
M390		

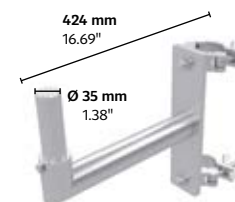
See HP-STB-FLEX above for comments and changes
F- and U-compatible versions available.



HANGING-PLATE-QTB

Series	kg	lbs
M290	3.50	(7.72)
M390	4.10	(9.03)

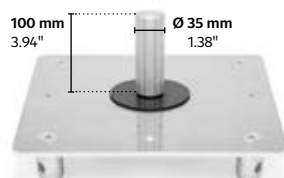
Hanging plate for M290 quatro, incl. 8× half male connector
F- and U-compatible versions available.



SPEAKER-MOUNT-D50

Series	kg	lbs
M100		
M290	3.10	(6.80)
M390		

Side-mounted speaker holder for 48-51 mm tube
SWL = 70 kg (154 lbs)



SPEAKERSTAND-PLATE|QTB

Series	kg	lbs
M290	1.99	(4.38)

Speaker stand plate for mounting speakers to truss ends;
features a 35-mm spigot that fits standard speaker holes



TOP-BRACKET-QTB

Series	kg	lbs
M290	1.80	(4.00)

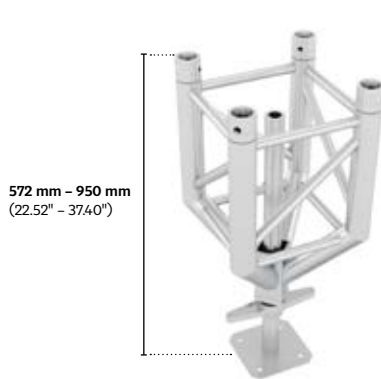
M290 top bracket for lights, 48-mm tube, incl. 4× half male connector
F- and U-compatible versions available.



TOP-RING-QTB-D1000

Series	kg	lbs
M290	6.00	(13.20)

M290 top circle, outer d=1 m, tube 50 mm, incl. 4× half male connector
F- and U-compatible versions available.

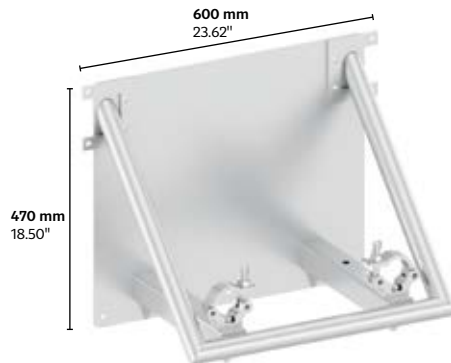


572 mm – 950 mm
(22.52" – 37.40")

LEGM290V|572-950

Series	kg	lbs
M222	7.70	(16.97)

Adjustable pedestal leg 572-950 mm
Available for M390.

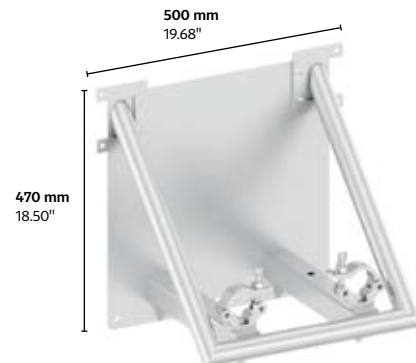


470 mm
18.50"

WALLPLATE-M390|500KG

Series	kg	lbs
M390	7.00	(15.43)

Truss wall mount, SWL 500 kg (1102 lbs)

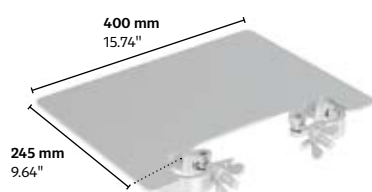


470 mm
18.50"

WALLPLATE-M290|500KG

Series	kg	lbs
M290	6.20	(13.66)

Truss wall mount, SWL 500 kg (1102 lbs)



400 mm
15.74"

245 mm
9.64"

ALU-SHELF|M290

Series	kg	lbs
M290	2.00	(4.40)

Aluminium shelf



GB-2T (GRAVITY BAR 2T)

kg	lbs
17.60	(38.80)

To achieve perfectly balanced weight distribution even if one chain hoist moves slower than its partner



HANGING CORNER M290

kg	lbs
7.00	(15.43)

The hanging corner allows you to place an additional line of truss anywhere in the structure with no need for any additional tools
Available for M390.



HANGING CORNER M390/M290

kg	lbs
10.10	(22.26)

The Hanging Corner allows you to place an additional line of truss anywhere in the structure with no need for any additional tools
It fits the M390 QUATRO, TRIO or DUO trusses perfectly and, after reassembling the upper bar, enables the M290 truss series to be positioned.



DELTA PLATE

kg	lbs
12.30	(27.12)

The Delta Plate can be used to control the horizontal alignment of an array to distribute its weight over two points
WLL 2000 kg.



48 – 51 mm
1.89 – 2.00"

TRA-CLI-2XD50

Series	kg	lbs
M290	0.08	(0.18)
M390		

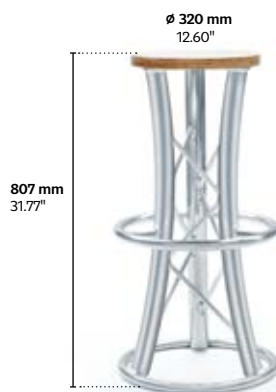
Truss transport clip
Fits 48–51 mm tubes.



Aluminium bar table

Series	kg	lbs
MMD162	11.60	(25.57)

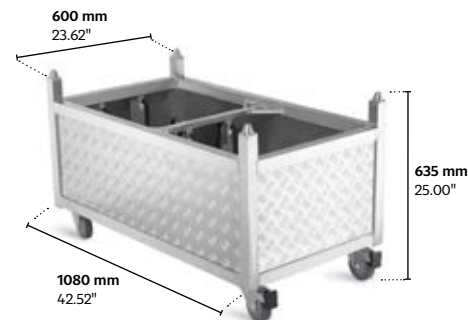
With curved legs



Aluminium bar stool

Series	kg	lbs
MMD125	6.00	(13.22)

With curved legs

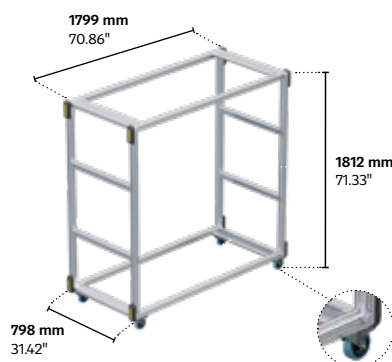


MAC-01-2100-A1

MAC-01-4025-A1

kg	lbs
31.00	(68.34)

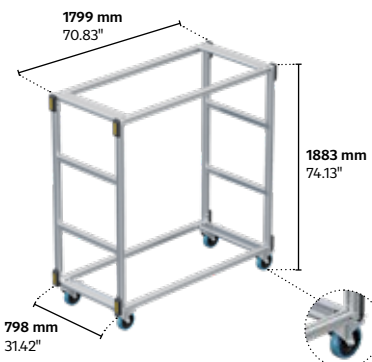
The Armor Cart is a hoist utility vehicle designed to provide safe and convenient transport for hoists



MMC-1.80x1.80x0.80 m - 100-mm wheels

kg	lbs
68.60	(151.24)

Multipurpose Cart base with 100-mm wheels



MMC-1.80x1.86x0.80 m - 160-mm outdoor wheels

kg	lbs
71.80	(158.30)

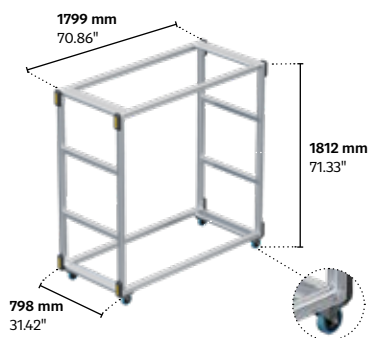
Multipurpose Cart base with 160-mm (6.3") wheels

Multipurpose Cart

- Aluminium frame cart for multiple transit and storage solutions (cables, lights, boxes)
- Can be used as a simple pre-rig tower with telescopic extension accessory
- Up to 400 kg (881 lbs) of payload capacity
- Protective bumpers on all Wheels with 100-mm (3.9") diameter as standard or 160-mm (6.3") as options
- Supplied flat-packed for ease of shipping
- Rain/dust protection cover
- Optimum transport dimensions of 1800×1800×800 mm (70.86"×70.86"×31.50")
- Easy to assemble and dismantle
- Branded bumper inserts on request



Discover more
with QR code



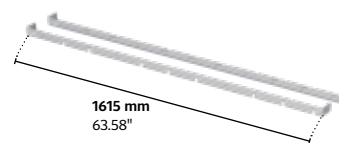
MMC-1.80×1.80×0.80 m – 100-mm wheels

Weight	
kg	lbs
68.60	(151.24)
Multipurpose Cart base with 100-mm (3.9") wheels	



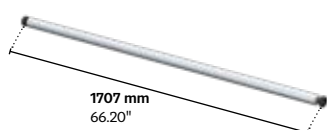
MMC-1.80×1.80×0.80 m – 160-mm outdoor wheels

Weight	
kg	lbs
71.80	(158.30)
Multipurpose Cart base with 160-mm (6.3") wheels	



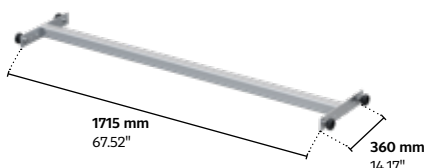
MMC-rack-left/right

Weight	
kg	lbs
3.00	(6.61)
Set consisting of left and right rack for Multi-purpose Cart	



MMC-light bar

Weight	
kg	lbs
2.80	(6.18)
Single bar for connecting to racks	



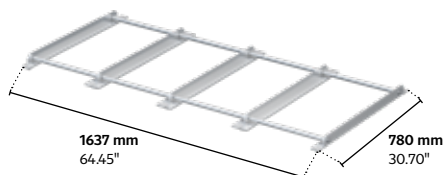
MMC-tube for cable holders

Weight	
kg	lbs
3.30	(7.43)
Square tube for connecting to racks	



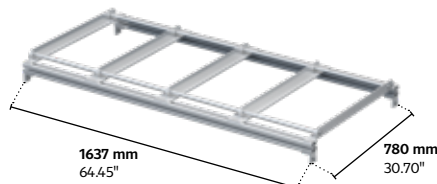
MMC-rack-cable holder

Weight	
kg	lbs
0.80	(1.76)
Cable holder for connecting to square tube	



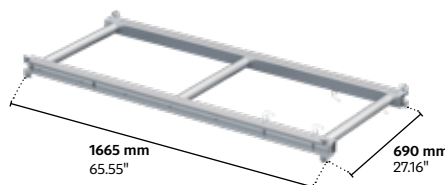
MMC-deck for boxes-bottom level

Weight	
kg	lbs
10.00	(22.04)
Bottom-level deck for boxes incl. fastening set	



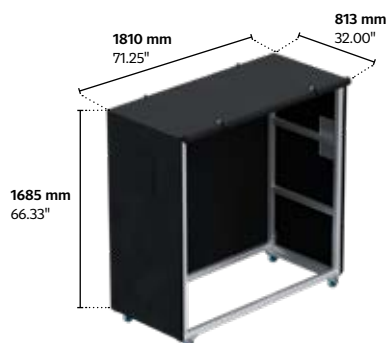
MMC-deck for boxes-upper level

Weight	
kg	lbs
21.00	(46.30)
Upper-level deck for boxes incl. fastening set	



MMC-telescopic frame

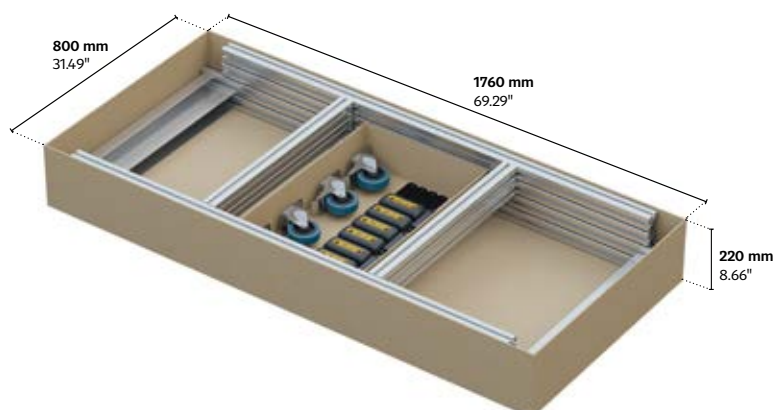
Weight	
kg	lbs
15.00	(33.07)
Adjustable frame with height of up to 3 m (9.84')	



MMC-protective cover

Weight	
kg	lbs
~5.00	(11.02 lbs)
Rain and dust protection cover	

Optimised packaging for delivery



Cell clamps

Holding on firmly





Use QR code
for full range

CELL130

- Designed to fit 32–35 mm (1.25–1.38") truss tubes
- Precision-extruded, high-tensile aluminium alloy
- Compatible with M222 truss series
- CE-certified
- Polished surface with micro-percussion markings
- Rated with SF 8:1 (kg) DGUV 17/BGV C1 (SWL1)

- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)
- Interchangeable M10 bolt ensures flexible attachment points
- Black-anodised versions available on request
- Black-anodised versions of CELL131/134 available



CELL131 / CELL131|Anodised

Basic clamp

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg (lbs)	160 (353)	330 (728)	0.10 (0.20)	32-35 (1.26-1.38)

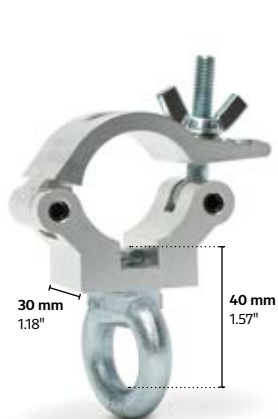
Basic clamp, can be used for most applications.

CELL132 / CELL132|Anodised

Clamp with bolt and wingnut

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg (lbs)	160 (353)	330 (728)	0.25 (0.33)	32-35 (1.26-1.38)

Clamp supplied with M10×30 bolt and wingnut.



CELL133 / CELL133|Anodised

Clamp with lifting eye

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg (lbs)	160 (353)	330 (728)	0.70 (1.54)	32-35 (1.26-1.38)

Clamp with lifting eye.

CELL134 / CELL134|Anodised

Swivel coupler

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg (lbs)	160 (353)	330 (728)	0.80 (1.76)	32-35 (1.26-1.38)

Set of two clamps free to rotate 360° for connecting two tubes.

CELL200

- Designed for 48–51 mm (1.89–2.00") diameter tubes
- Precision-extruded, high-tensile aluminium alloy
- Compatible with M290 / M390 / M400 / M520 / M760 / 4GS-35 / 4GS-50 / 4GS-62
- Supplied with M12 bolt and wingnut
- Mounting hole for up to 13-mm (0.51") bolts
- Polished surface with micro-percussion markings
- Powder-coated versions available on request
- Rated with SF 8:1 (kg) DGUV 17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)
- Black-anodised versions of CELL201/203/204/207 available



CELL201 / CELL201|Anodised Basic clamp

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg (lbs)	650 (1433)	1300 (2865)	0.50 (1.10)	48-51 (1.89-2)

Basic clamp, can be used for most applications.



CELL204 / CELL204|Anodised Swivel coupler

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg (lbs)	540 (1190)	1080 (2381)	1.00 (2.20)	48-51 (1.89-2)

Set of two clamps free to rotate 360° for connecting two tubes.



CELL207 / CELL207|Anodised Slim basic clamp

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg (lbs)	560 (1234)	1120 (2469)	0.30 (0.66)	48-51 (1.89-2)

Slim basic clamp, can be used for most applications.



CELL214 / CELL214|Anodised Swivel coupler

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg (lbs)	490 (1080)	980 (2160)	0.71 (1.57)	48-51 (1.89-2)

48-51 mm (1.89-2.00") slim swivel coupler (CELL207 + CELL207 assembly).

CELL300

- Designed for 60–63.5 mm (2.36–2.50") diameter tubes
- Precision-extruded, high-tensile aluminium alloy
- DGUV 17/BGV C1 rating
- Compatible with M950 / 4GS-91
- Supplied with M12 bolt and wingnut
- Mounting hole for up to 13 mm (0.50") bolts
- Polished surface with micro-percussion markings
- Powder-coated versions available on request
- Rated with SF 8:1 (kg) DGUV 17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)



CELL301 / CELL301|Anodised

Basic clamp

kg	lbs	SWL1	SWL2	Weight	Tube Ø mm (in)
650	1433	1300	(2865)	0.65 (1.43)	60-63.5 (2.36-2.5)

Basic clamp, can be used for most applications.



CELL302 / CELL302|Anodised

Clamp with bolt and wingnut

kg	lbs	SWL1	SWL2	Weight	Tube Ø mm (in)
650	1433	1300	(2865)	0.75 (1.65)	60-63.5 (2.36-2.5)

Clamp supplied with M12×35 bolt and wingnut.



CELL303|650kg / CELL303|Anodised

Clamp with lifting eye

kg	lbs	SWL1	SWL2	Weight	Tube Ø mm (in)
650	1433	1300	(2865)	1.00 (2.20)	60-63.5 (2.36-2.5)

Clamp supplied with steel eye for attaching rope or cable.
Version with SWL 340 kg (750 lbs) silver lifting eye (61 mm (2.40")) available.



CELL304 / CELL304|Anodised

Swivel coupler

kg	lbs	SWL1	SWL2	Weight	Tube Ø mm (in)
650	1433	1300	(2865)	1.50 (3.30)	60-63.5 (2.36-2.5)

Set of two clamps free to rotate 360° for connecting two tubes.

CELL400

- Quick hook clamp series designed for 38–51 mm (1.49–2.00") diameter tubes
- Quick and easy attachment solution for moving heads
- Precision-extruded, high-tensile aluminium alloy
- DGUV 17/BGV C1 rating
- Compatible with M290 / M390 / M400 / M520 / M760 / 4GS-35 / 4GS-50 / 4GS-62
- Supplied with M12 bolt and wingnut
- Mounting hole for up to 13 mm (0.51") bolts
- Polished surface with micro-percussion markings
- Powder-coated versions available on request
- Rated with SF 8:1 (kg) DGUV 17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)
- Black-anodised versions of CELL401/403 available



101 mm
3.98"

30 mm
1.18"

Anodised

CELL401 / CELL401|Anodised Quick clamp

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg lbs	360 (794)	720 (1587)	0.68 (1.50)	38-51 (1.5-2)

38-51 mm (1.49-2.00") quick clamp connection and locking mechanism.



101 mm
3.98"

30 mm
1.18"

Anodised

CELL402 / CELL402|Anodised Quick clamp with bolt and wingnut

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg lbs	360 (794)	720 (1587)	0.75 (1.65)	38-51 (1.5-2)

Quick clamp supplied with M12×35 bolt and wingnut.



101 mm
3.98"

30 mm
1.18"

Anodised

CELL403 / CELL403|Anodised Quick clamp with lifting eye

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg lbs	360 (794)	720 (1587)	0.75 (1.65)	38-51 (1.5-2)

Quick clamp supplied with steel eye for attaching ropes or cables.



103 mm
4.06"

30 mm
1.18"

Anodised

CELL411 / CELL411|Anodised Quick clamp with wing bolt

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg lbs	190 (419)	380 (838)	0.68 (1.50)	38-60 (1.5-2.36)

38-60 mm (1.5-2.36") quick clamp connection and locking mechanism.

CELL500

- Low-profile series designed for 48–51 mm (1.89–2.00") diameter tubes
- Ideal for exhibitions, displays and light duty applications
- Precision-extruded, ultra-high-tensile aluminium alloy
- DGUV 17/BGV C1 rating
- Compatible with M290 / M390 / M400 / M520 / M760 / 4GS-35 / 4GS-50 / 4GS-62
- Supplied with M6 bolt and wingnut
- Mounting hole for up to 10.5 mm (0.41") bolts
- Polished surface with micro-percussion markings
- Powder-coated versions available on request
- Rated with SF 8:1 (kg) DGUV 17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)



CELL501 / CELL501|Anodised

Basic clamp

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg	230 (507)	460 (1014)	0.14 (0.30)	48-51 (1.89-2)
lbs				

Basic clamp, can be used for lightweight applications.



CELL502 / CELL502|Anodised

Clamp with bolt and wingnut

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg	230 (507)	460 (1014)	0.22 (0.47)	48-51 (1.89-2)
lbs				

Clamp supplied with M10×30 bolt and wingnut.



CELL504 / CELL504|Anodised

Swivel coupler

	SWL1	SWL2	Weight	Tube Ø mm (in)
kg	230 (507)	460 (1014)	0.27 (0.60)	48-51 (1.89-2)
lbs				

Set of two clamps free to rotate 360° for connecting two tubes.



CELL511 / CELL511|Anodised

Panel clamp

	SWL	Weight	Tube Ø mm (in)
kg	55 (121)	0.22 (0.47)	48-51 (1.89-2)
lbs			

Panel thickness range 5–10 mm (0.19–0.39").

CELL600

- Hook clamp series designed for 48–51 mm (1.89–2.00") diameter tubes
- Quick and easy attachment solution for moving heads and heavy fixtures
- Precision-extruded, high-tensile aluminium alloy
- DGUV 17/BGV C1 rating
- Supplied with M12 bolt and wingnut
- Mounting hole for up to 13-mm (0.51") bolts
- Compatible with M290 / M390 / M400 / M520 / M760 / 4GS-35 / 4GS-50 / 4GS-62
- Polished surface with micro-percussion markings
- Powder-coated versions available on request
- Rated with SF 8:1 (kg) DGUV 17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)
- Black-anodised versions of CELL601/603 available



CELL601 / CELL601|Anodised

Basic clamp

kg	lbs	SWL1	SWL2	Weight	Tube Ø mm (in)
		350 (771)	700 (1543)	0.50 (1.10)	48-51 (1.89-2)

Basic clamp, can be used for most applications.

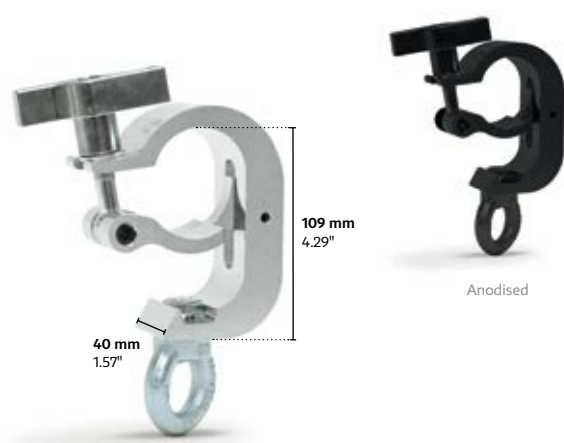


CELL602 / CELL602|Anodised

Basic clamp with bolt and wingnut

kg	lbs	SWL1	SWL2	Weight	Tube Ø mm (in)
		350 (771)	700 (1543)	0.58 (1.28)	48-51 (1.89-2)

Clamp supplied with M12×35 bolt and wingnut.



CELL603 / CELL603|Anodised

Clamp with lifting eye

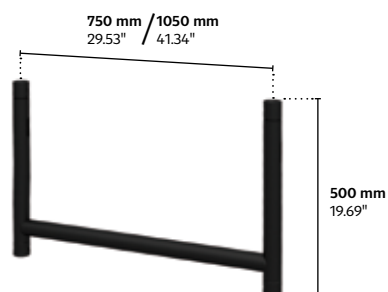
kg	lbs	SWL1	SWL2	Weight	Tube Ø mm (in)
		350 (771)	700 (1543)	0.75 (1.65)	48-51 (1.89-2)

Clamp supplied with steel eye for attaching ropes or cables.



Frames

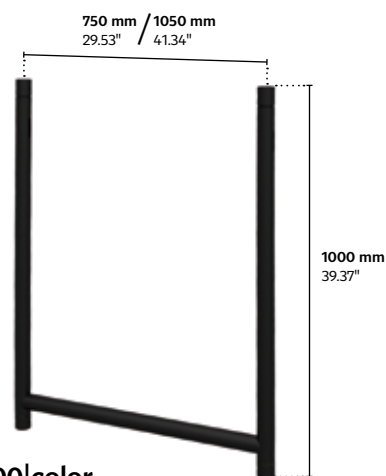
- Connect fixtures quickly and securely using cell clamps or any other lifting accessories
 - Maximum flexibility for mounting lighting fixtures
 - Quick and easy assembly using standard conical connectors
 - Slotted tube profile to enable secondary safety attachment
 - Durable 48×3-mm (1.89×0.12") extruded aluminium tube (EN AW-6082 T6)
 - Based on MILOS M100 series truss
- Horizontal forces are not taken into consideration in the load information. Specific load figures can be approved on request.
- As horizontal forces are not taken into consideration, tipping over must be analysed on a case-by-case basis.



MLA-H750×500|color
MLA-H1050×500|color

Code	Tube Ø mm (in)	kg	lbs
MLA-H750×500 color	48×3 (1.89×0.12)	2.30	(5.07)
MLA-H1050×500 color	48×3 (1.89×0.12)	2.60	(5.73)

Modular grid frame for hanging lights from truss structures – 750×500 mm (29.53×19.69") or 1050×500 mm (41.34×19.69")

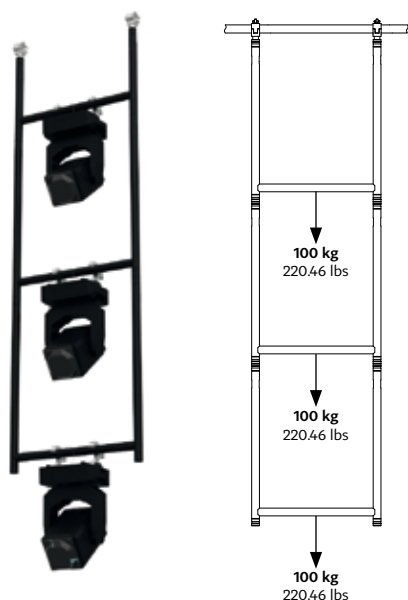


MLA-H750×1000|color
MLA-H1050×1000|color

Code	Tube Ø mm (in)	kg	lbs
MLA-H750×1000 color	48×3 (1.89×0.12)	3.40	(7.49)
MLA-H1050×1000 color	48×3 (1.89×0.12)	3.80	(8.37)

Modular grid frame for hanging lights from truss structures – 750×1000 mm (29.53×39.37") or 1050×1000mm (41.34×39.37")

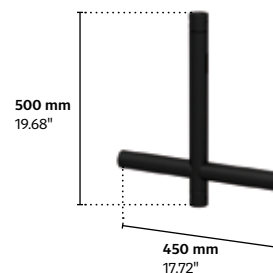
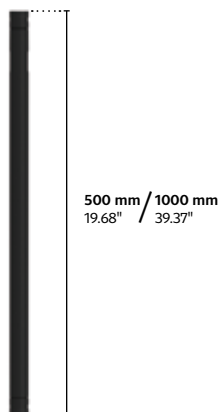
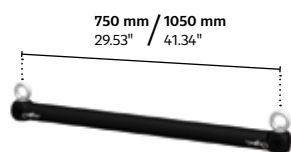
Load assumptions



Hanging configuration:
Maximum load per crossbar 100 kg (220.46 lbs).
At full load, a maximum of 15 H-frames can be hung one beneath one another.



Standing configuration:
Maximum load per crossbar 80 kg (176.37 lbs).
At full load, a maximum of 4 H-frames can be stacked on top of each other.



MLA-I-750|color MLA-I-1050|color

Code	Tube Ø mm (in)	kg	lbs
MLA-I-750 color	48×3 (1.89×0.12)	2.20 (4.85)	
MLA-I-1050 color	48×3 (1.89×0.12)	2.40 (5.29)	

Modular light bar for attaching lights to hanging modular grid frames – 1050 mm (41.34") or 750 mm (29.53").

MLA-L500|color MLA-L1000|color

Code	Tube Ø mm (in)	kg	lbs
MLA-L500 color	48×3 (1.89×0.12)	0.70 (1.54)	
MLA-L1000 color	48×3 (1.89×0.12)	1.30 (2.87)	

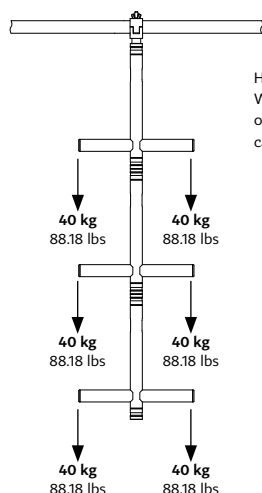
Modular light bar for attaching lights to hanging modular grid frames – 1000 mm (39.37") or 500 mm (19.68").

MLA-X450×500|color

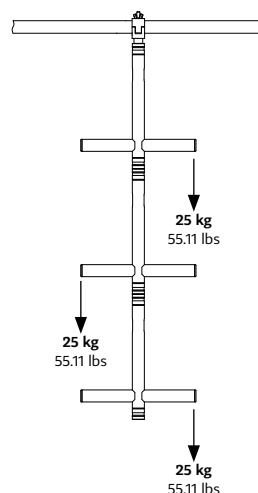
Code	Tube Ø mm (in)	kg	lbs
MLA-X450×500 color	48×3 (1.89×0.12)	1.20 (2.65)	

Modular light bar for attaching lights to hanging modular grid frames – 450×500mm (17.72×19.68").

Load assumptions



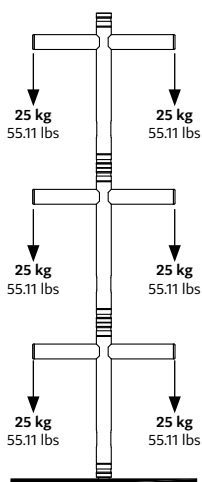
Hanging configuration:
With symmetrical load of 40 kg (88.18 lbs)
on every cantilever, a maximum of 14 T-frames
can be hung beneath one another.



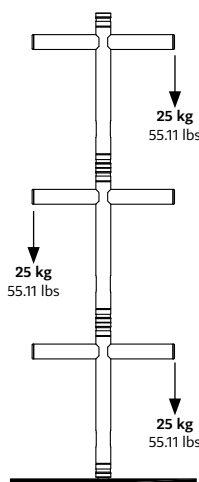
Hanging configuration:
With asymmetrical load of 25 kg (55.11 lbs)
on every cantilever, a maximum of 22 T-frames
can be hung beneath one another.



Load assumptions



Standing configuration:
With symmetrical load of 25 kg (55.11 lbs)
on each cantilever, a maximum of 5 T-frames
can be stacked on top of each other.



Standing configuration:
With asymmetrical load of 25 kg (55.11 lbs)
on one cantilever per element, a maximum of
6 T-frames can be stacked on top of each other.

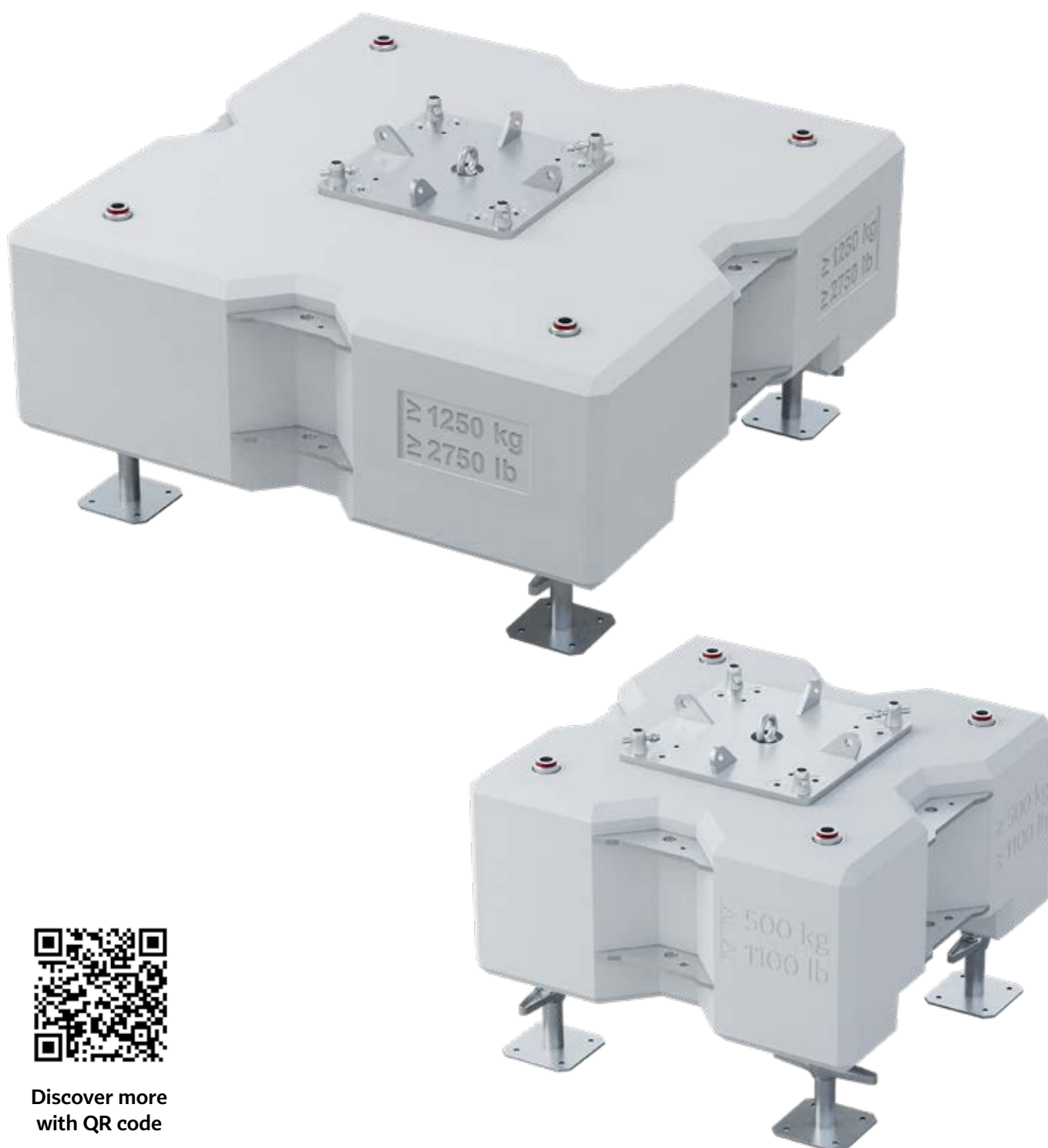


WARNING:

The load specifications given here only give consideration to the frames and the connections between them, but do not include the top connection to the suspending truss. The total load capacity can be reduced depending on the lifting accessories selected.

Concrete Ballast Base MCBB

- 500 kg (1102 lbs) or 1250 kg (2755 lbs) mass weight
- Compact 800×800×400-mm / 1200×1200×400-mm (31.50"×31.50"×15.75" / 47.25"×47.25"×15.75") steel reinforced concrete block
- Can be connected to create higher ballast loads with larger footprint
- Stackable for extra weight / for ease of storage
- Integrated spindle sleeve for levelling
- Centre hanging point for ease of manipulation
- Forklift pocket for easy movement / stacking
- M290 and M390 truss connection via steel plate including lugs for wires
- Other custom colours on request

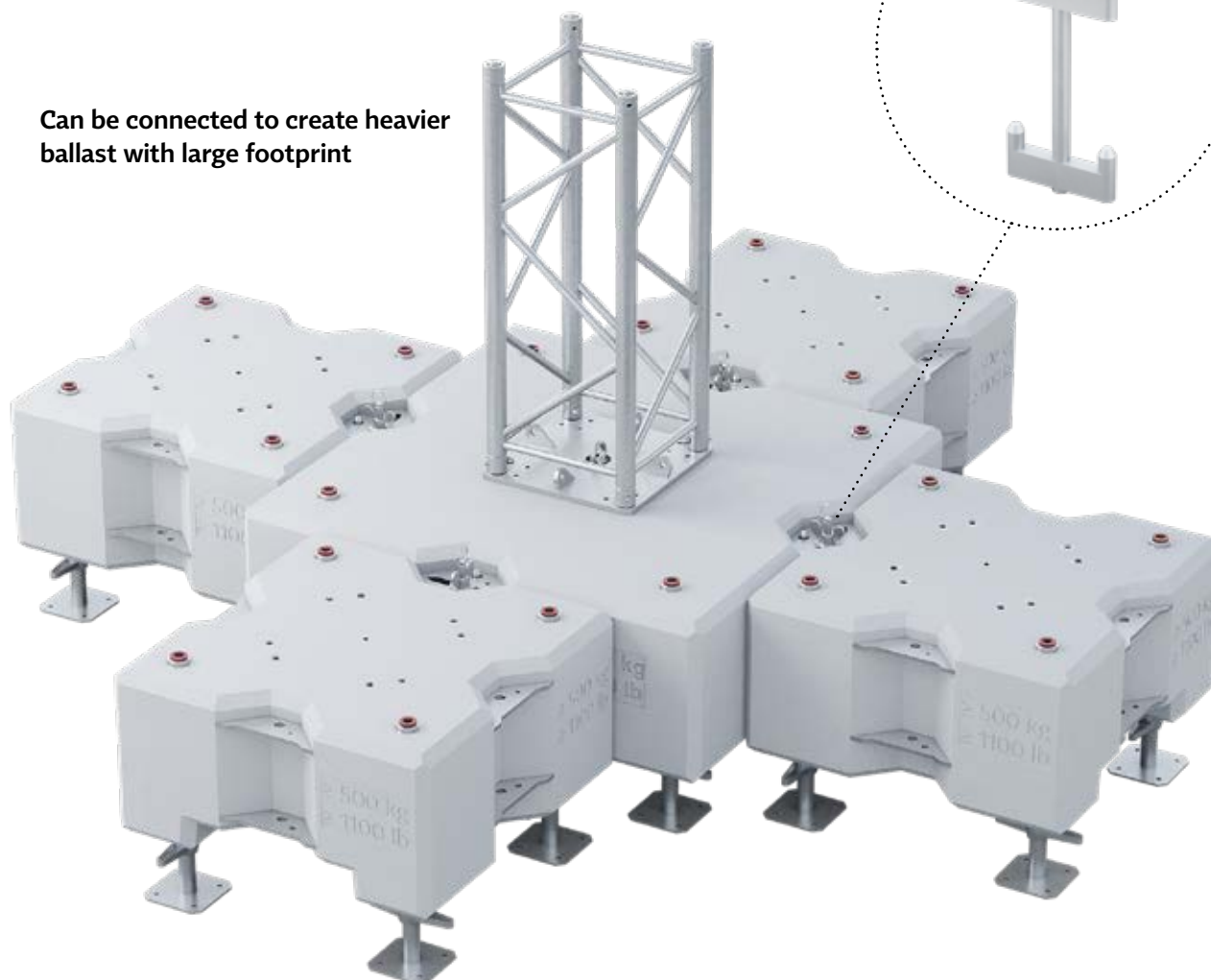


Discover more
with QR code

Horizontal connector

MCBB-CON-Horizontal

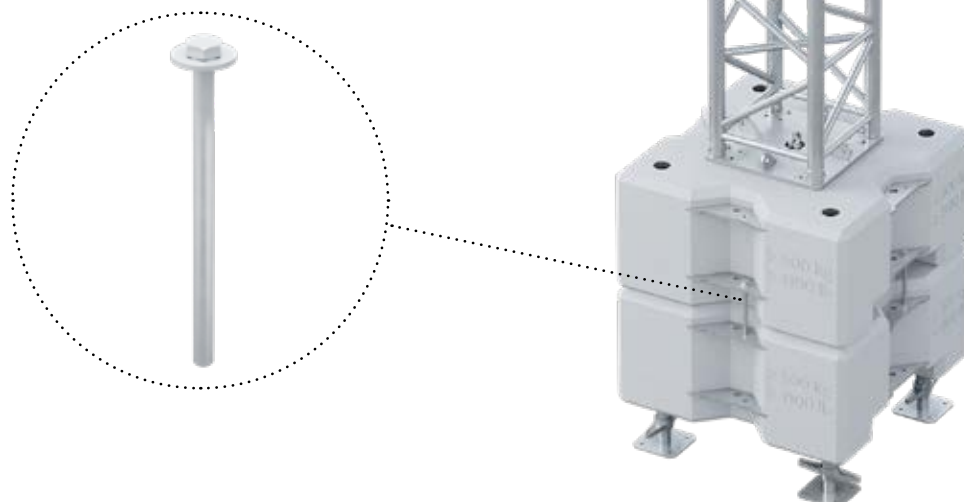
Can be connected to create heavier ballast with large footprint



Vertical connector

MCBB-CON-Vertical

Stackable for extra ballast



Towers

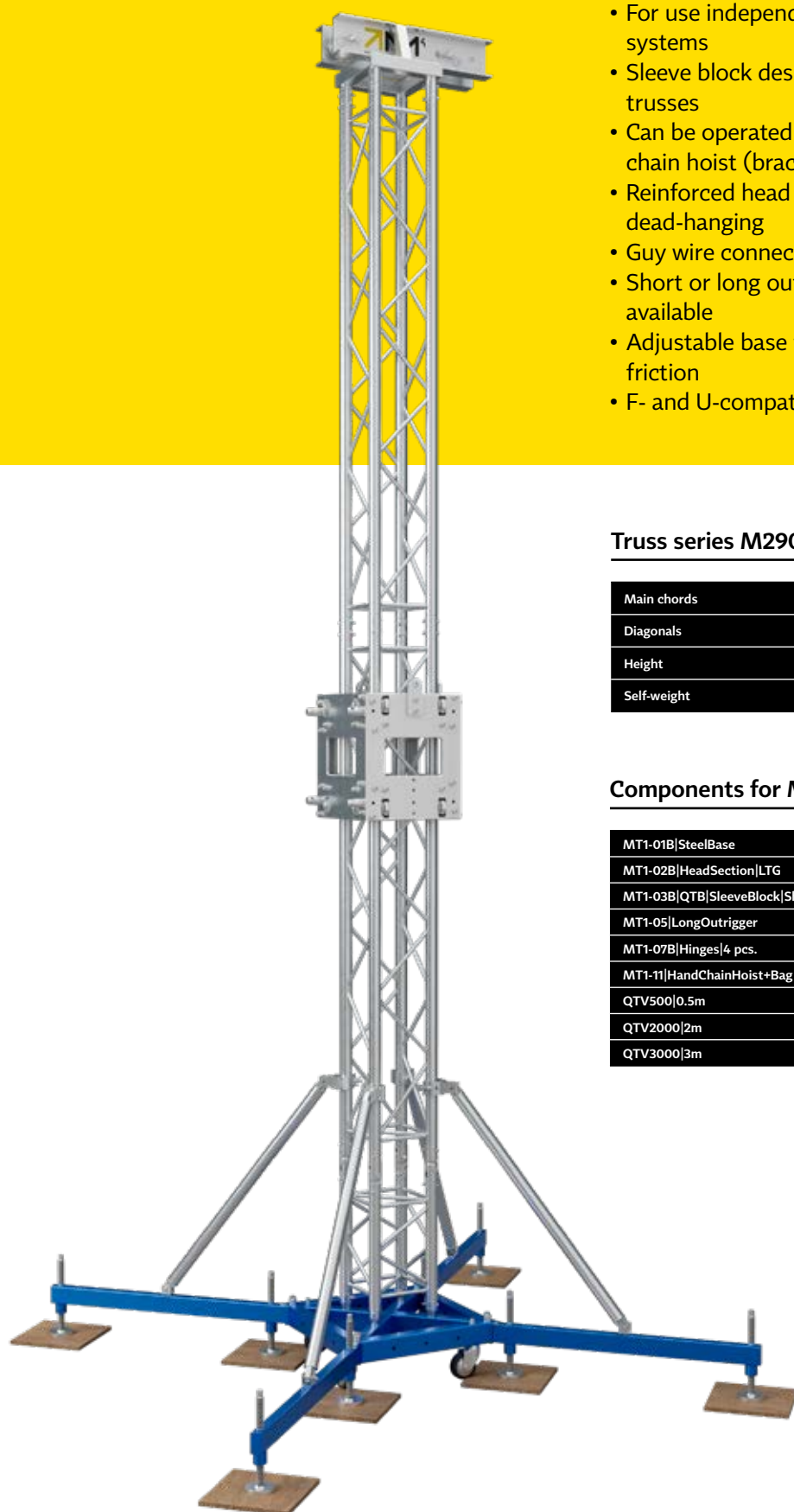
Raise your loads





Use QR code
for full range

MT1 tower



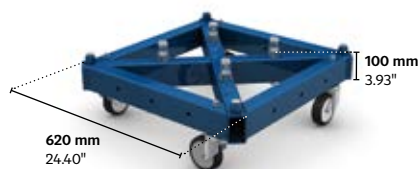
- Compact, heavy-duty M290 series tower system
- standard height of 7.5 m (24.60 ft)
- For use independently or within MR1 and MR2 roof systems
- Sleeve block designed for use with M290 and M390 trusses
- Can be operated with manual chain hoist or electric chain hoist (bracket required)
- Reinforced head section with built-in feature for dead-hanging
- Guy wire connection points using bolt-on hangers
- Short or long outriggers (incl. stabilising brace) available
- Adjustable base feet with rubber pads for optimum friction
- F- and U-compatible versions available

Truss series M290V

Main chords	mm	in	48×3 (1.89×0.12)
Diagonals	mm	in	16×2 (0.62×0.08)
Height	m	ft	7.5 (24.6)
Self-weight	kg	lbs	201 (443)

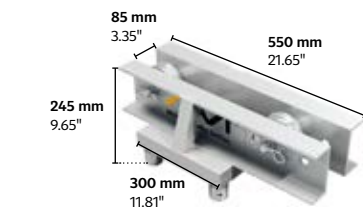
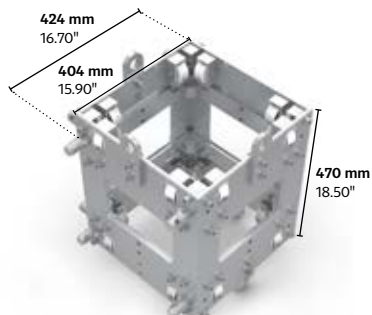
Components for MT1 7.5-m (24.60-ft) tower

MT1-01B SteelBase	1 piece
MT1-02B HeadSection LTG	1 piece
MT1-03B QTB SleeveBlock Sh3.25t	1 piece
MT1-05 LongOutrigger	4 pieces
MT1-07B Hinges 4 pcs.	1 set
MT1-11 HandChainHoist+Bag	1 piece
QTV500 0.5m	1 piece
QTV2000 2m	2 pieces
QTV3000 3m	1 piece



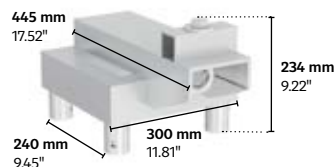
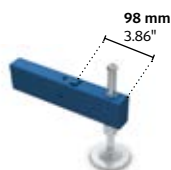
MT1-01B|SteelBase

Weight	
kg	33.00 (72.66)
Steel base Robust steel base gives stability to the tower. Equipped with wheels for easy positioning during set-up.	



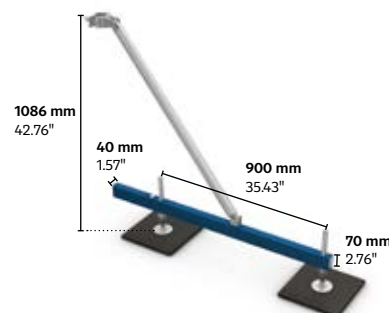
MT1-02B|HeadSection|forChain

Weight	
kg	14.30 (31.53)
Head section for chain Fitted with steel pulleys for 7-8 mm (0.28-0.31") chain. Alternative dimensions available after consultation.	



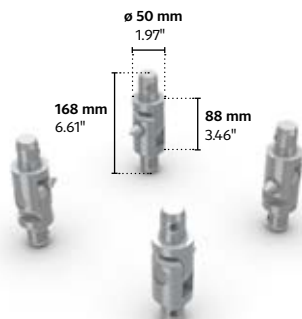
MT1-02B|HeadSection|LTG

Weight	
kg	8.00 (17.62)
Head section for steel wire Fitted with dead hang hook.	



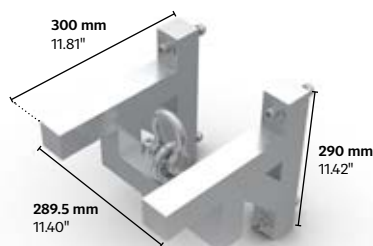
MT1-03B|QTB|SleeveBlock|Sh3.25t

Weight	
kg	46.00 (101.29)
Sleeve block Consists of 10-mm (0.39") aluminium plates connected with steel components. Can be attached to M290 & 390 Quatro.	



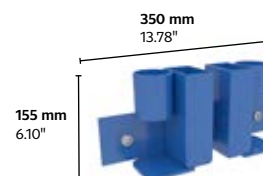
MT1-04|ShortOutrigger

Weight	
kg	5.00 (11.02)
Short outrigger Including adjustable screw jacks, rubber pads.	



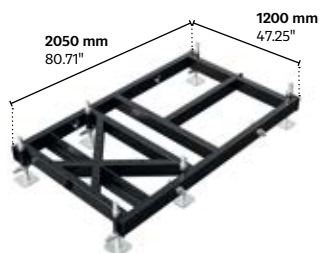
MT1-05|LongOutrigger

Weight	
kg	16.00 (35.23)
Long outrigger 1.2 m (47.24") long, including adjustable screw jacks; rubber pads.	



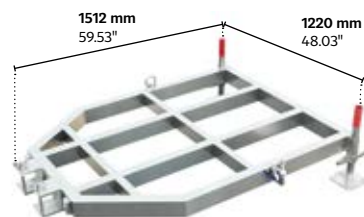
MT1-07B|SetHinge|4pcs

Weight	
kg	2.40 (5.28)
Hinges Used to connect the vertical tower elements and to allow for tilt-up assembly; set of 4 pcs.	



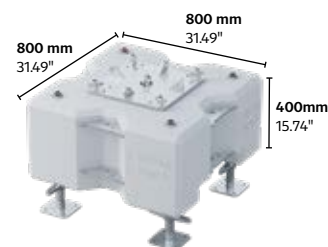
MT1-09|BracketForMotor|Sleeve

Weight	
kg	6.00 (13.21)
Bracket for chain hoist Used for electric chain hoist attachment to sleeve block to achieve max. loading.	



MT1-OutriggerHolder|2pcs

Weight	
kg	4.60 (20.00)
Outrigger holder Designed to secure outriggers to the steel base for easy transport and storage.	



MT-IconBase-01|STEEL

Weight	
kg	156.00 (343.00)
Footprint extendable by outriggers on front and/or rear side to up to 7980x1200 mm (314.17x47.25").	

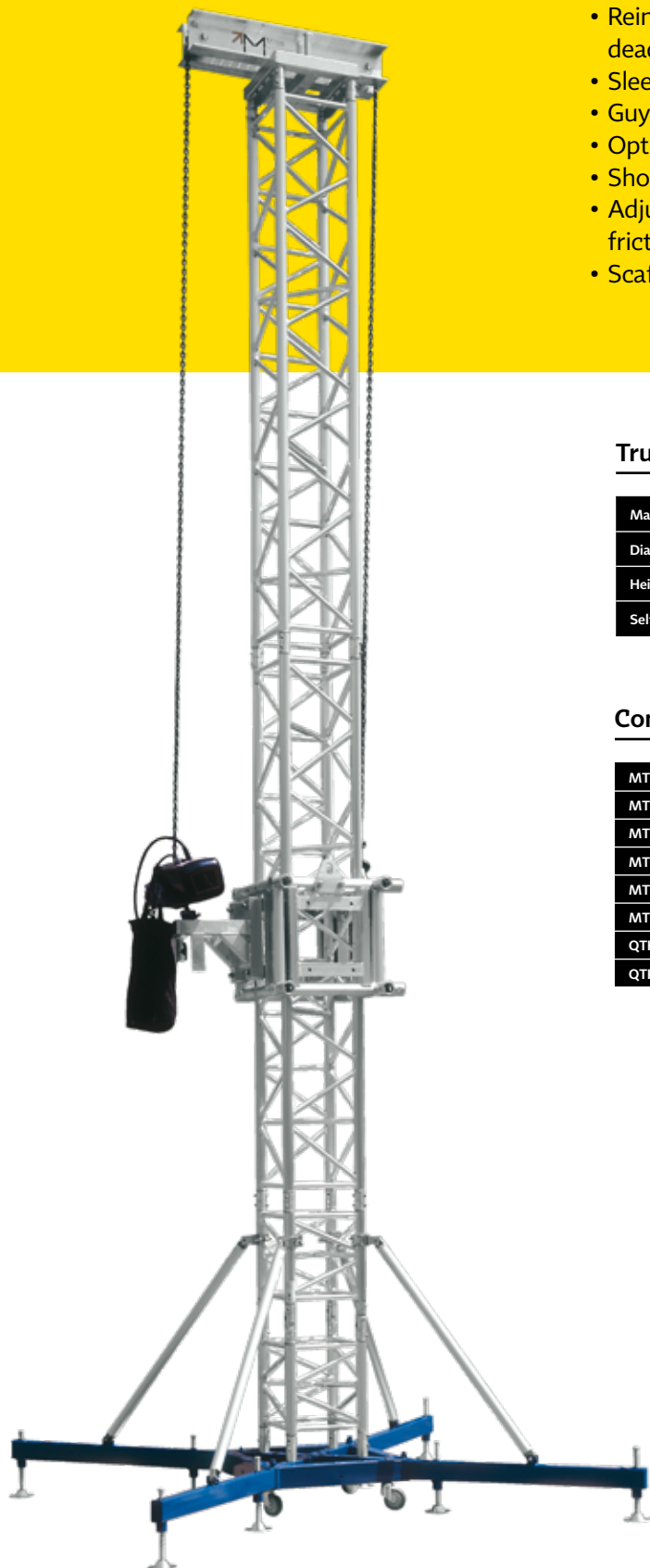
MT1-01|BallastBase

Weight	
kg	31.00 (68.34)
Designed to stack flat with smooth sides Integrated guy wire points.	

Concrete Ballast Base MCBB

Weight	
kg	500 (1102.31)
M290/M390 tower option MCBB 1250 kg also available	

MT2 tower



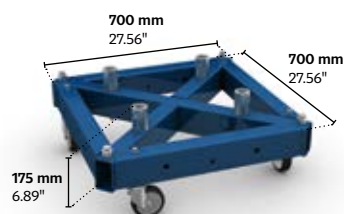
- Heavy-duty M390KT ladder truss series tower system
- standard height of 12.5 m (41.0 ft)
- Sleeve block options for M400 & M520 & M950 ranges
- Reinforced head section with built-in feature for dead-hanging
- Sleeve block chain hoist connection bracket available
- Guy wire connection points using extra bolt-on hangers
- Optional tower erecting frame available
- Short or long outriggers (incl. stabilising brace) available
- Adjustable base feet with rubber pads for optimum friction
- Scaffold-type base feet available on request

Truss series M390KT

Main chords	mm	in	50×4 (2×0.16)
Diagonals	mm	in	25×3 (0.98×0.12)
Height	m	ft	12.5 (41)
Self-weight	kg	lbs	352 (776)

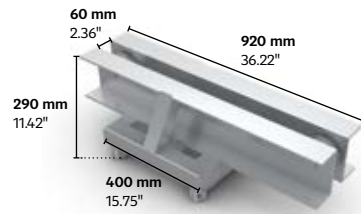
Components for MT2 12.5-m (41-ft) tower

MT2-01B SteelBase	1 piece
MT2-02B HeadSection	1 piece
MT2-03 QTP/RTO SleeveBlock	1 piece
MT2-05 LongOutrigger	4 pieces
MT2-07B Hinges 4 pcs.	1 set
MT2-08 BracketForMotor Base	1 piece
QTKT500 0.5m	1 piece
QTKT3000 3m	4 pieces



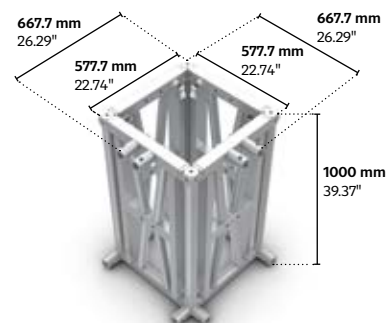
MT2-01B|SteelBase

Weight	
kg	lbs
42.00	(92.48)
Steel base	
For use with M390KT QUATRO.	
Equipped with wheels for easy movement during set-up.	



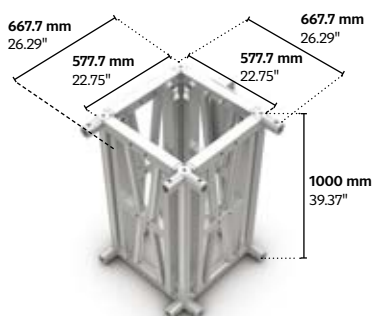
MT2-02B|HeadSection

Weight	
kg	lbs
25.00	(55.05)
Head section	
Fitted with steel pulleys for 7-8 mm (0.28-0.31") chain.	
Alternative dimensions available after consultation.	



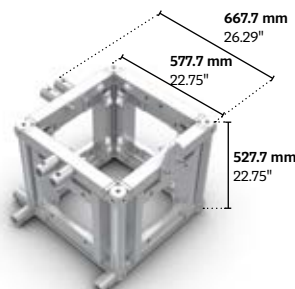
MT2-03|FTT|SleeveBlock

Weight	
kg	lbs
80.00	(176.37)
Sleeve block FTT	
Made with heavy-duty aluminium profiles connected with steel components.	
For use with M950 folding truss.	



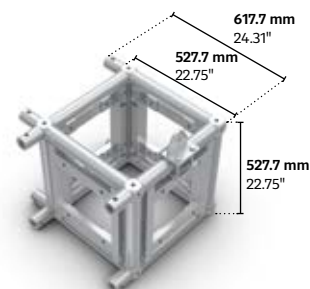
MT2-03|RTTH|SleeveBlock

Weight	
kg	lbs
80.00	(176.37)
Sleeve block RTT	
Made with heavy-duty aluminium profiles connected with steel components	
For use with rectangular M950.	



MT2-03|FTP|RTO|SleeveBlock

Weight	
kg	lbs
49.00	(107.90)
Sleeve Block FTP	
Made with heavy-duty aluminium profiles connected with steel components.	
For use with rectangular M400 and folding M520.	



MT2-03|QTP|RTO|SleeveBlock

Weight	
kg	lbs
49.00	(107.90)
Sleeve block QTP	
Made with heavy-duty aluminium profiles connected with steel components.	
For use with rectangular M400 and M520 QUATRO.	



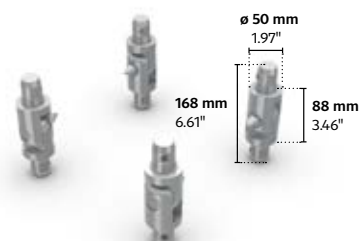
MT2-04|ShortOutrigger

Weight	
kg	lbs
6.00	(13.21)
Short outrigger	
Adjustable screw jacks; rubber pads.	



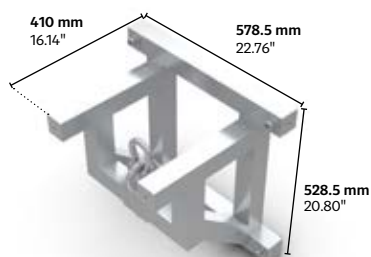
MT2-05|LongOutrigger

Weight	
kg	lbs
21.00	(46.24)
Long outrigger	
1.4 m (4.59') long, including adjustable screw jacks; rubber pads.	



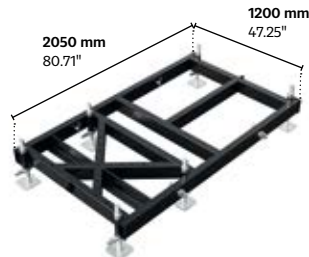
MT2-07B|Hinges|4pcs

Weight	
kg	lbs
2.40	(5.25)
Hinges	
Used to connect the vertical tower elements and to allow for tilt-up assembly; set of 4 pcs.	



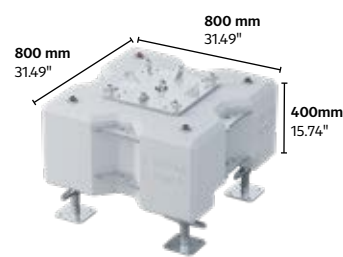
MT2-09|BracketForMotor|Sleeve

Weight	
kg	lbs
16.00	(35.26)
Bracket for chain hoist	
Used for electric chain hoist attachment to sleeve block to achieve max. loading.	



MT-IconBase-01|STEEL

Weight	
kg	lbs
156.00	(343.00)
Footprint extendable by outriggers on front and/or rear side to up to 7980x1200 mm (314.17x47.25").	



Concrete Ballast Base MCBB

Weight	
kg	lbs
500	(1102.31)
M290/M390 tower option	
MCBB 1250 kg also available.	

MT3 tower

- High-capacity M520PT ladder truss series tower system – standard height of 13.5 m (44.29 ft)
- Sleeve block options for M400, M520 and M950 ranges
- Reinforced head section with built-in feature for dead-hanging
- Sleeve block chain hoist connection bracket available
- Guy wire connection points using extra bolt-on hangers
- Optional tower erecting frame available
- Short or long outriggers (incl. stabilising braces) available
- Adjustable base feet with rubber pads for optimum friction
- Scaffold-type base feet available on request

Truss series M520PT

Main chords	mm	in	60×6 (2.36×0.24)
Diagonals	mm	in	30×3 (1.18×0.12)
Height	m	ft	13.5 (44.3)
Self-weight	kg	lbs	576 (1270)

Components for MT3 13.5-m (44.29-ft) tower

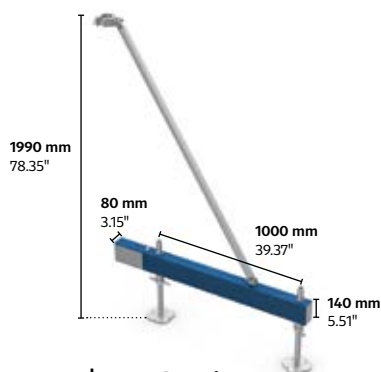
MT3-01 SteelBase	1 piece
MT3-02 HeadSection	1 piece
MT3-03 RTT SleeveBlock	1 piece
MT3-05 LongOutrigger	4 pieces
MT3-07 Hinges 4 pcs.	1 set
QTPT1000 1m	1 piece
QTPT3000 3m	4 pieces



MT3-01|SteelBase

Weight	
kg	lbs
76.00	(167.35)

Steel base
For use with M520T QUATRO.
Equipped with wheels for easy movement during set-up.



MT3-05|LongOutrigger

Weight	
kg	lbs
35.10	(77.29)

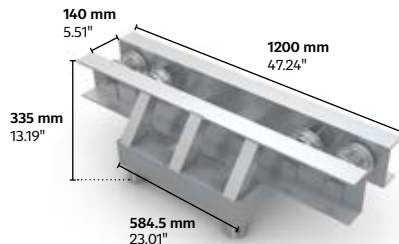
Long outrigger
14 m (4.59') long, including scaffold-type screw jacks.



MT3-10|FixSet

Weight	
kg	lbs
10.00	(22.20)

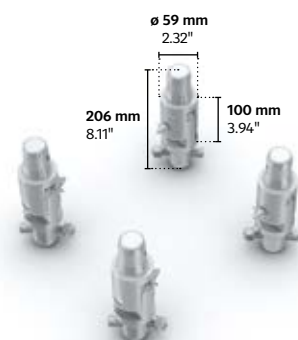
Used over MT3 mast top to secure the sleeve block.



MT3-02|HeadSection

Weight	
kg	lbs
49.40	(108.78)

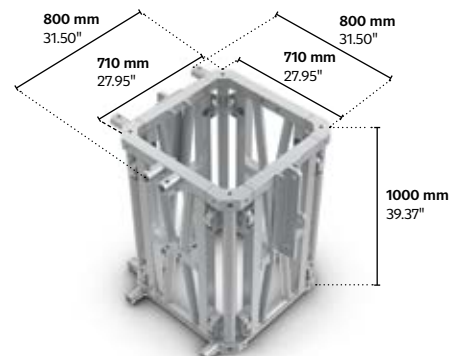
Head section
Fitted with steel pulleys for 7-8 mm (0.28-0.31") chain.
Alternative dimensions available after consultation.



MT3-07|Hinges|4pcs

Weight	
kg	lbs
5.00	(11.02)

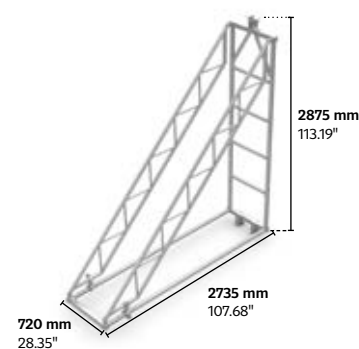
Hinges
Used to connect the vertical tower pieces and to allow for tilt-up assembly; set of 4 pcs.



MT3-03|RTT|SleeveBlock

Weight	
kg	lbs
112.00	(246.62)

Sleeve block FTT
Made with heavy-duty aluminium profiles connected with steel components.
For use with full M950 range.



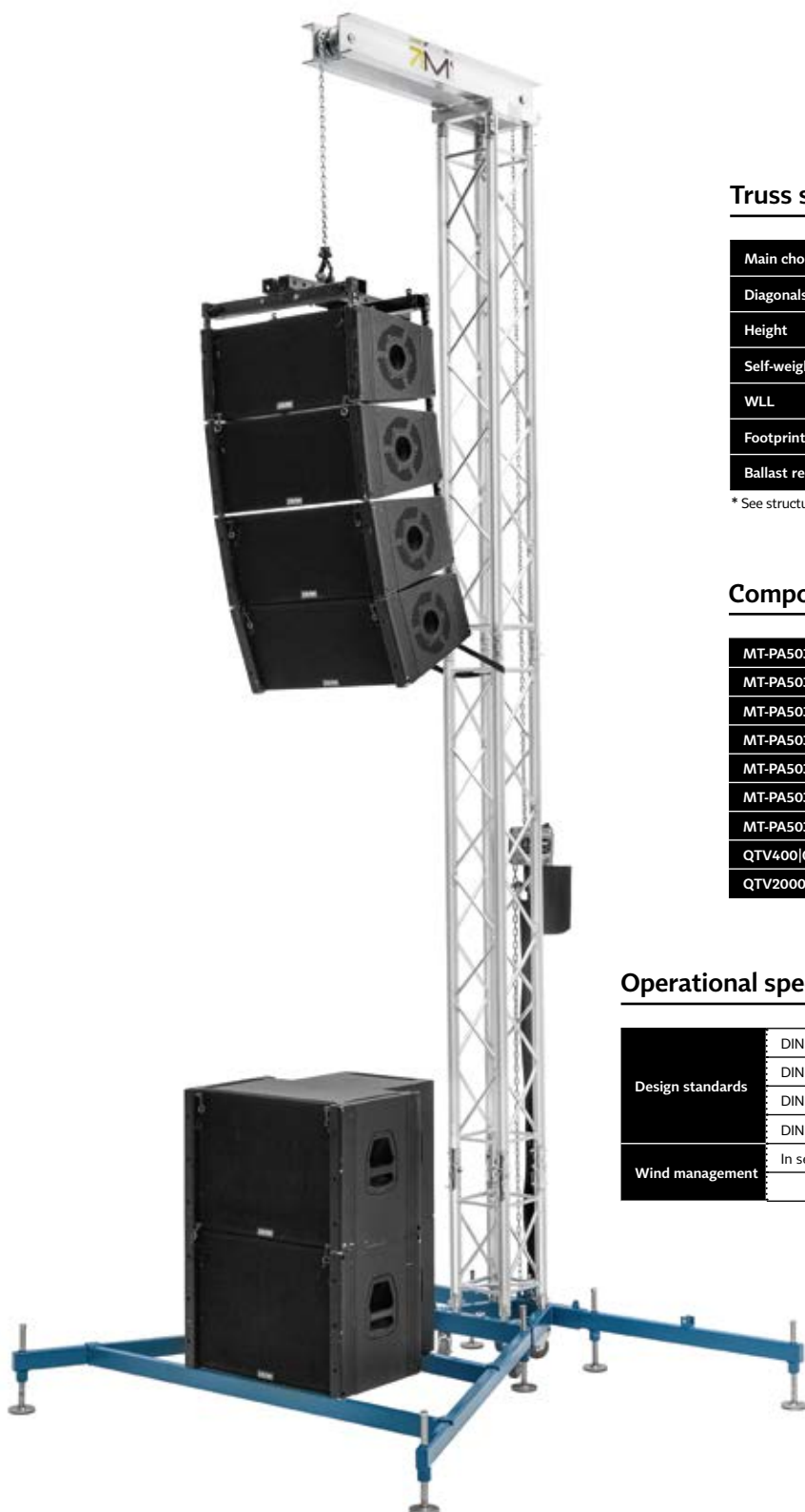
MT3-11|Helper

Weight	
kg	lbs
81.00	(178.52)

Used for assistance in elevating the tower.

MT-PA5030 PA Fly Tower

- Compact, heavy-duty M290 truss series
- Safe working load of 300 kg (660 lbs) rated according to DGUV 17/BGV C1
- Lifting operations with either electrical or manual chain hoist
- Head section equipped with double pulley system for attaching safety chain or safety wire parallel to lifting chain
- Multiple attachment points on base for connecting hoists and safeties



Truss series M290V

Main chords	mm	in	48×3 (1.89×0.12)
Diagonals	mm	in	16×2 (0.62×0.08)
Height	m	ft	5 (16.4)
Self-weight	kg	lbs	150 (331)
WLL	kg	lbs	300 (660)
Footprint	m	ft	2.5×2 (8.2×6.6)
Ballast required	kg	lbs	64-153 (141.1-337.3)

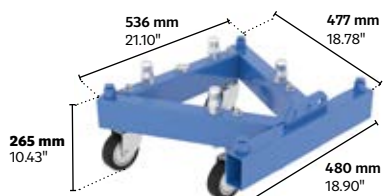
* See structural report

Components for MT-PA5030 5-m (16.4-ft) tower

MT-PA5030-01 SteelBase	1 piece
MT-PA5030-02 HeadSection	1 piece
MT-PA5030-05 LongOutrigger	2 pieces
MT-PA5030 Leg	2 pieces
MT-PA5030-07B Hinges 4 pcs.	1 set
MT-PA5030 SpacerColor960	1 piece
MT-PA5030 SpacerColor1620	1 piece
QTV400 0.4m	1 piece
QTV2000 2m	2 pieces

Operational specifications

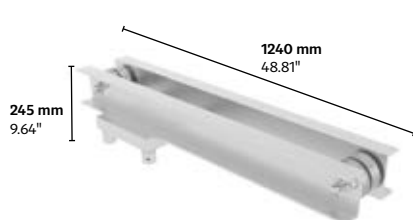
Design standards	DIN EN 13814	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
Wind management	In service	20 m/s – 72 km/h – 45 mph (max. gust wind speed)
		PA to be removed in above service wind speed



MT-PA5030-01|SteelBase

Weight	
kg	lbs
16.9	(37.3)

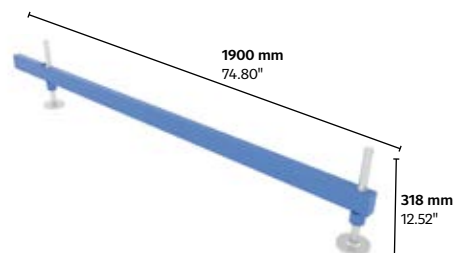
Steel base with wheels.



MT-PA5030-02|HeadSection

Weight	
kg	lbs
23.5	(51.8)

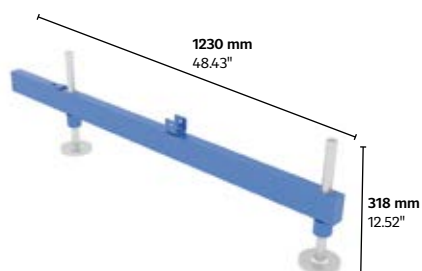
Fitted with steel pulleys for 7-8 mm (0.28-0.31") chain.



MT-PA5030|Leg

Weight	
kg	lbs
18.4	(40.6)

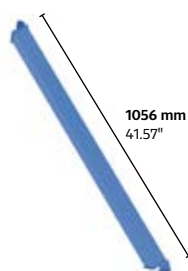
Including adjustable screw jacks.



MT-PA5030-05|LongOutrigger

Weight	
kg	lbs
12.3	(27.1)

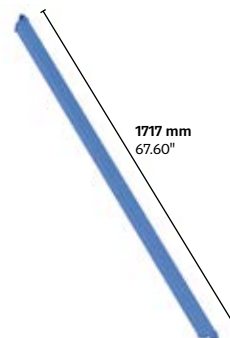
Including adjustable screw jacks.



MT-PA5030|SpacerColor960

Weight	
kg	lbs
6.3	(13.9)

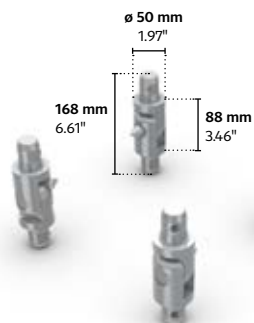
Spacer used as ballast base.



MT-PA5030|SpacerColor1620

Weight	
kg	lbs
10.4	(22.9)

Spacer used as ballast base.



MT1-07B|SetHinge|4pcs

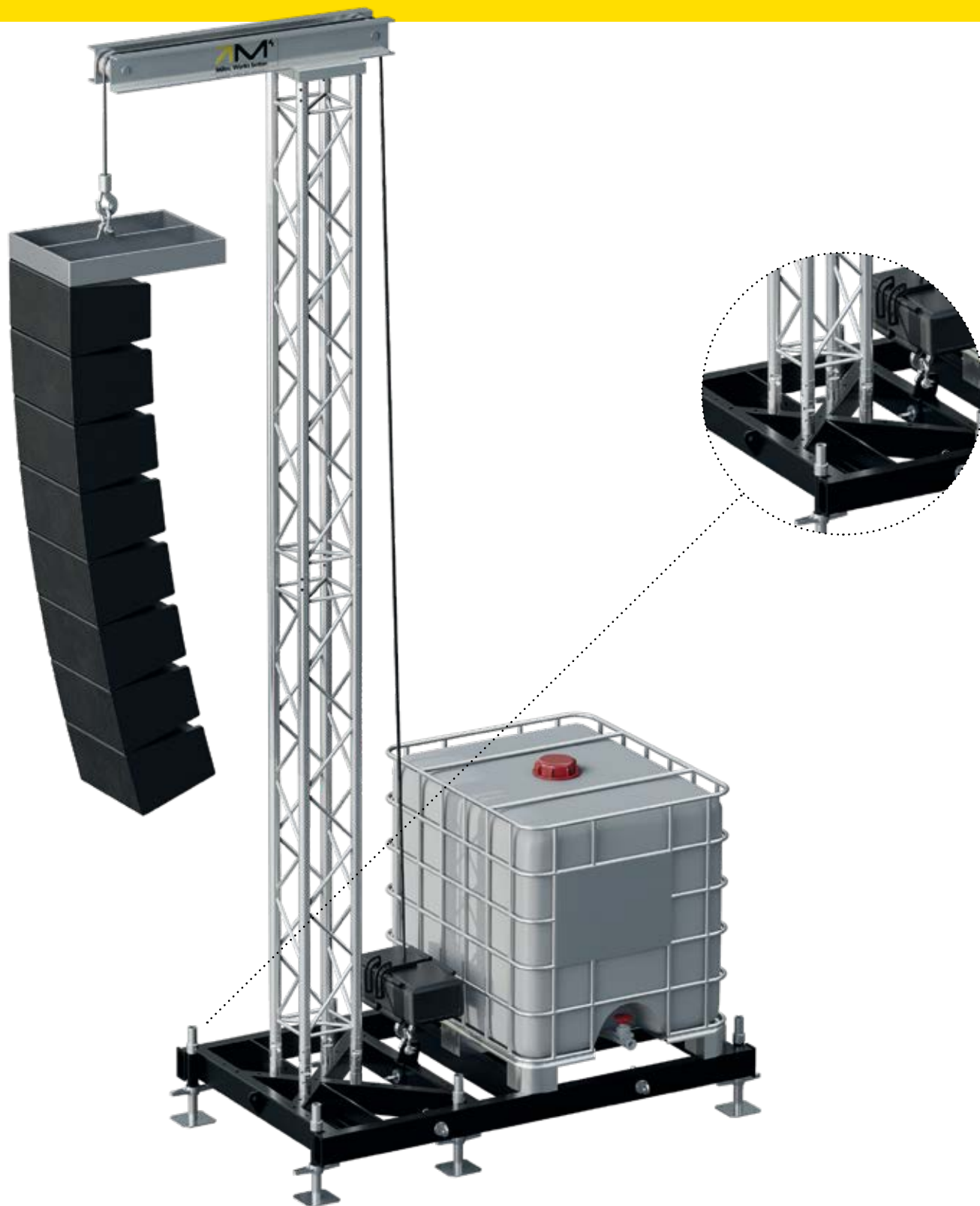
Weight	
kg	lbs
2.40	(5.28)

Hinges

Used to connect the vertical tower pieces and to allow for tilt-up assembly; set of 4 pcs.

MT-ICON-PA

- Robust and stable thanks to steel MT-IconBase
- Ensures effective deployment of ballast
- Multiple attachment points on base
- Compact footprint
- Manual or electric hoist can be used on head section or icon base connection
- Erecting helper available
- Screw jack feet with large contact surface
- Quick and easy assembly



MT-ICON-PA5040

MT-IconBase-01 STEEL	1 piece
MT-IconBase-07B Hinges 4pcs	1 piece
MT-IconBase-08B FemaleCon 4pcs	1 piece
MT-IconBaseHanger	1 piece
MT-PA5030-02 HeadSection	1 piece
Truss M290	4 m (13.12 ft)

WLL	kg	lbs	400 (881.85)
Self-weight	kg	lbs	220 (485.01)
Height	m	ft	5 (16.40)
Footprint	m	ft	2.15×1.2 (7.05×3.93)
Ballast required	kg	lbs	1000 (2204.62)

MT-ICON-PA8080

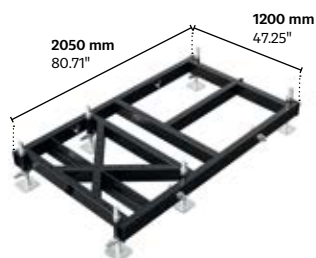
MT-IconBase-01 STEEL	1 piece
MT-IconBaseLongOutrigger-05 STEEL	2 pieces
MT-IconBase-07B Hinges 4pcs	1 piece
MT-IconBase-08B FemaleCon 4pcs	1 piece
MT-Icon-PA8080-10 BallastFixSet	1 piece
MT-Icon-PA8080-02 Headsection	1 piece
Truss M390 Heavy-Duty	7 m (22.96 ft)

WLL	kg	lbs	800 (1763.69)
Self-weight	kg	lbs	325 (716.50)
Height	m	ft	8 (26.24)
Footprint	m	ft	3.5×1.2 (10.33×3.93)
Ballast required	kg	lbs	3000 (6613.86)

MT-ICON-PA100100

MT-IconBase-01 STEEL	1 piece
MT-IconBaseLongOutrigger-05 STEEL	2 pieces
MT-IconBase-07O Hinges 4pcs	1 piece
MT-IconBase-08O FemaleCon 4pcs	1 piece
MT-Icon-PA100100-10 BallastFixSet	1 piece
MT-Icon-PA100100-02 Headsection M520	1 piece
Truss M520	9 m (29.52 ft)

WLL	kg	lbs	1000 (2204.62)
Self-weight	kg	lbs	425 (936.90)
Height	m	ft	10 (32.80)
Footprint	m	ft	3.5×1.2 (10.33×3.93)
Ballast required	kg	lbs	4800 (10582)



MT-IconBase-01|STEEL

Weight	kg	lbs	156.00 (343.00)
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Footprint extendable by outriggers on front and/or rear side to up to 7980×1200 mm (314.17×47.24").



MT- Icon Base Long Outrigger

Weight	kg	lbs	21.00 (46.29)
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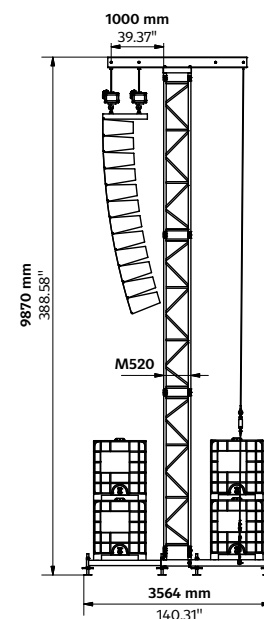
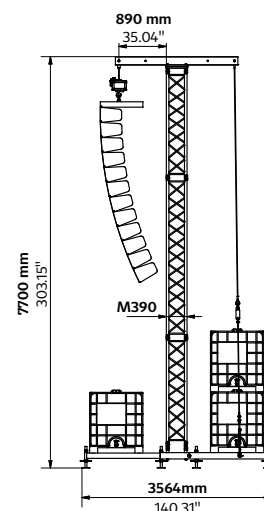
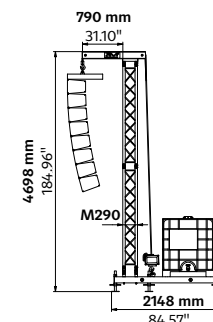
Outrigger extension arm



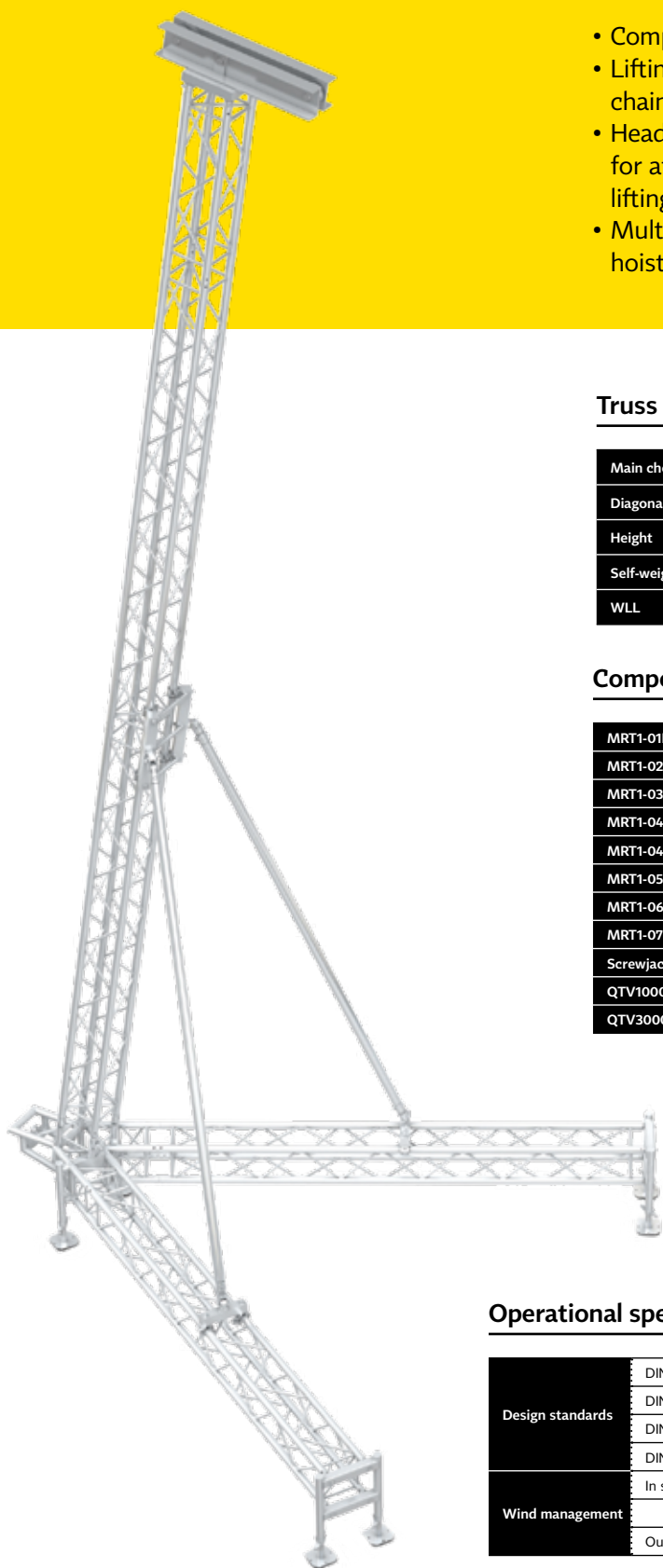
MT- Icon Base Hanger

Weight	kg	lbs	3.2 (7.05)
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Chain hoist bracket



MRT1 PA Fly Tower



- Compact, heavy-duty M290 truss series
- Lifting operations with either electrical or manual chain hoist
- Head section equipped with double pulley system for attaching safety chain or safety wire parallel to lifting chain
- Multiple attachment points on base for connecting hoists and safeties

Truss series M290V

Main chords	mm	in	48×3 (1.89×0.12)
Diagonals	mm	in	16×2 (0.62×0.08)
Height	m	ft	8.00 (26.30)
Self-weight	kg	lbs	178 (392)
WLL	kg	lbs	750 (1653)

Components for MRT1 8-m (26.24-ft) tower

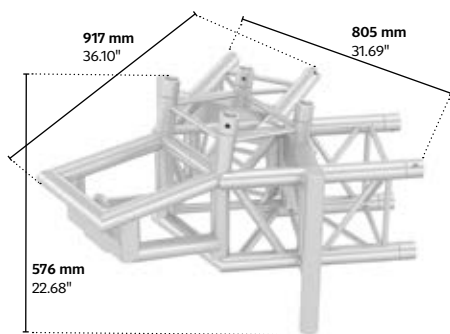
MRT1-01B BaseCorner	1 piece
MRT1-02B HeadSection	1 piece
MRT1-03B ScrewjackAdapter	2 pieces
MRT1-04 StabilizerHorizontalR	1 piece
MRT1-04 StabilizerHorizontalL	1 piece
MRT1-05 StabilizerVertical	1 piece
MRT1-06 StabilizerTube	2 pieces
MRT1-07B Hinges 4pcs	1 set
ScrewjackTR38×1-590	6 pieces
QTV1000 1m	1 piece
QTV3000 3m	4 pieces

Operational specifications

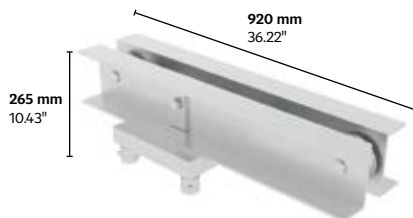
Design standards	DIN EN 13814	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
Wind management	In service	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed)
		PA to be removed above in-service wind speed
	Out of service	28 m/s – 100 km/h – 62 mph (max. gust wind speed)

Ballast

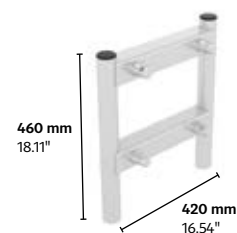
750 kg (1653.47 lb) payload with 3.0 m ² (3.59 yd ²) front area and 2.5 m ² (2.99 yd ²) side area → ballast 250 kg (551.16 lb) per end of long legs + 320 kg (705.48 lb) on back side
750 kg (1653.47 lb) payload with 3.0 m ² (3.59 yd ²) front area and 2.5 m ² (2.99 yd ²) side area → ballast 1000 kg (2204.62 lb) centrally on a cross beam placed on top of the legs
400 kg (881.85 lb) payload with 1.5 m ² (1.79 yd ²) front area and 1.0 m ² (1.19 yd ²) side area → ballast 500 kg (1102.31 lb) centrally on a cross beam placed on top of the legs


MRT1-01B|BaseCorner

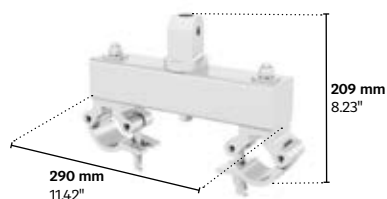
Weight	
kg	lbs
10.8	(23.8)
For use with M290 series. Equipped with bracket for chain hoist.	


MRT1-02B|HeadSection

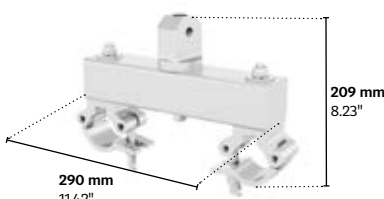
Weight	
kg	lbs
14.5	(32)
Fitted with steel pulleys for 7-8 mm (0.28-0.31") chain.	


MRT1-03B|ScrewjackAdapter

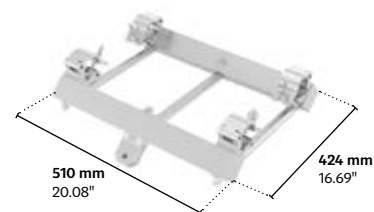
Weight	
kg	lbs
6.5	(14.3)
Adapter stand for screw jacks.	


MRT1-04|StabilizerHorizontalR

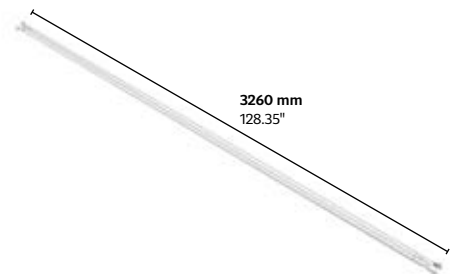
Weight	
kg	lbs
2.6	(5.7)
Right horizontal stabiliser attachment.	


MRT1-04|StabilizerHorizontalL

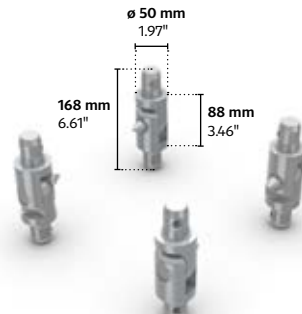
Weight	
kg	lbs
2.6	(5.7)
Left horizontal stabiliser attachment.	


MRT1-05|StabilizerVertical

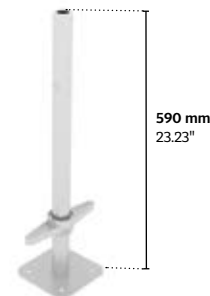
Weight	
kg	lbs
7.5	(16.5)
Vertical stabiliser attachment.	


MRT1-06|StabilizerTube

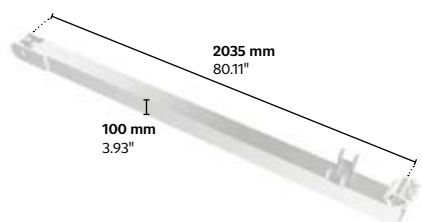
Weight	
kg	lbs
10.8	(23.8)
Stabiliser tube 60x6 mm (2.36x0.24").	


MRT1-07B|Hinges|4pcs

Weight	
kg	lbs
2.40	(5.28)
Hinges Used to connect the vertical tower elements and to allow for tilt-up assembly; set of 4 pcs.	

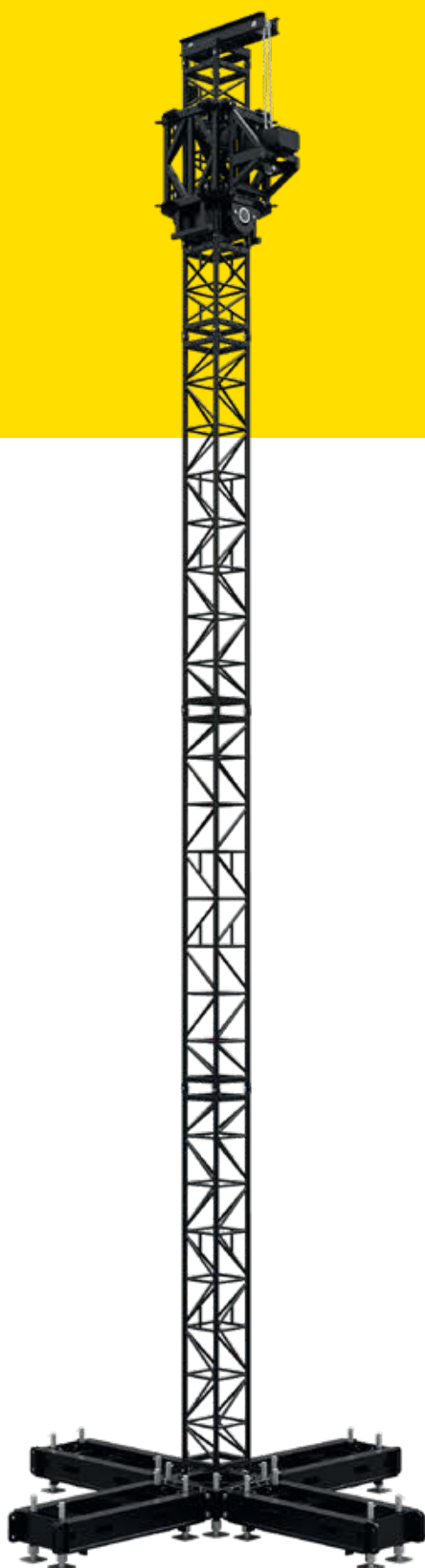

ScrewjackTR38x1-590

Weight	
kg	lbs
3.2	(7.00)
Screw jack.	

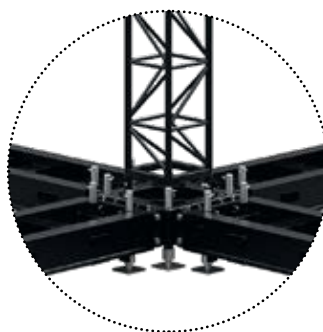

MRT1 Helper

Weight	
kg	lbs
21.00	(46.29)
Used for assistance in elevating the tower.	

S-MT-P Steel Tower



- Constructed with MILOS S-QTPT ultra-high-strength steel truss – 530×530 mm (20.87×20.87 in): 35 m (114.83 ft) span with 69 kg/m UDL
- Steel head section with aluminium wheels and heavy-duty bearings
- Integrated steel base with outriggers that interconnect towers in ground support systems or outriggers used by themselves for self-standing towers
- Optimised dimensions for packaging and/or nesting in trucks
- Pinned connectors for increased safety and strength
- End frames equipped with lateral connection options
- Locking unit with a capacity of 45.3 metric tonnes

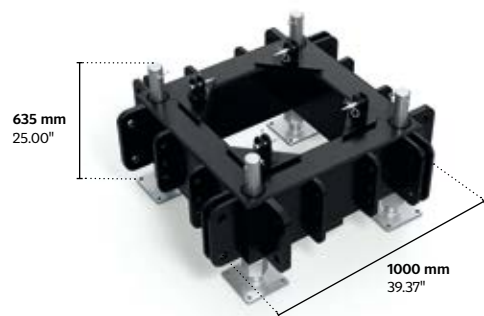


S-MT-P-16 Steel Tower

Main chords	mm	in	60.3×4 (2.37×0.16)
Diagonals	mm	in	33.7×2.6 (1.33×0.10)
Height	m	ft	16.00 (50.49)
Self-weight	kg	lbs	3500 (7716.18)

Components for tower

S-MT-P-01-Base	1 piece
S-MT-P-02-Head	1 piece
S-MT-P-03-Sleeve	1 piece
S-MT-Q-05-Outrigger2000	4 pieces
S-MT-P-Bracket	1 piece
S-MT-P-10-Locking	1 piece
S-QTPT 4000	3 pieces
S-QTPT 1000	2 pieces



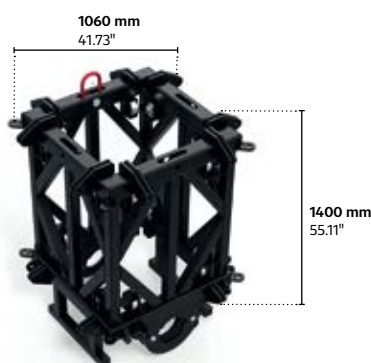
S-MT-P-01|Base

Weight

kg lbs

390 (859.80)

A robust steel base that is compatible with our steel S-QTPT truss. It includes large steel screw jacks and high-grade steel outrigger connections on all sides for providing extra strength and stability to the tower.



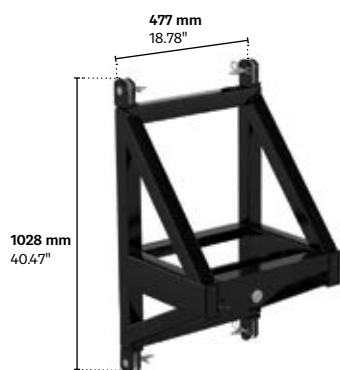
S-MT-P-03|Sleeve

Weight

kg lbs

380 (837.75)

A four-way, heavy-duty steel sleeve block for use with our S-QTPT Tower.



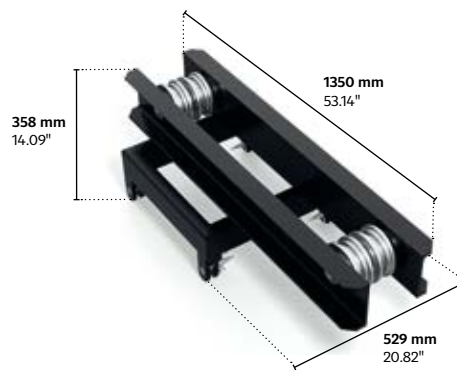
S-MT-P-09|Bracket

Weight

kg lbs

70 (154.32)

A universal chain hoist attachment point for safely and easily attaching up to 2.5 metric-tonne chain hoists to the sleeve block.



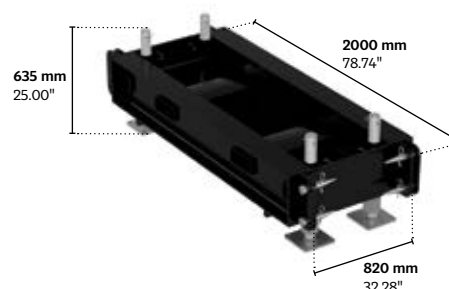
S-MT-P-02|HeadSection

Weight

kg lbs

100 (220.46)

A steel tower top section fitted with a double aluminium pulley system equipped with heavy-duty bearings.



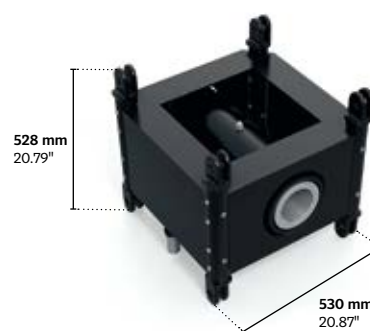
S-MT-Q-05|Outrigger2000

Weight

kg lbs

440 (970.03)

This heavy-duty steel outrigger provides extra stability for your steel towers. It comes with four large screw jacks and features a wide range of lengths for added flexibility for constructing stable grids.



S-MT-P-10|LockingUnit

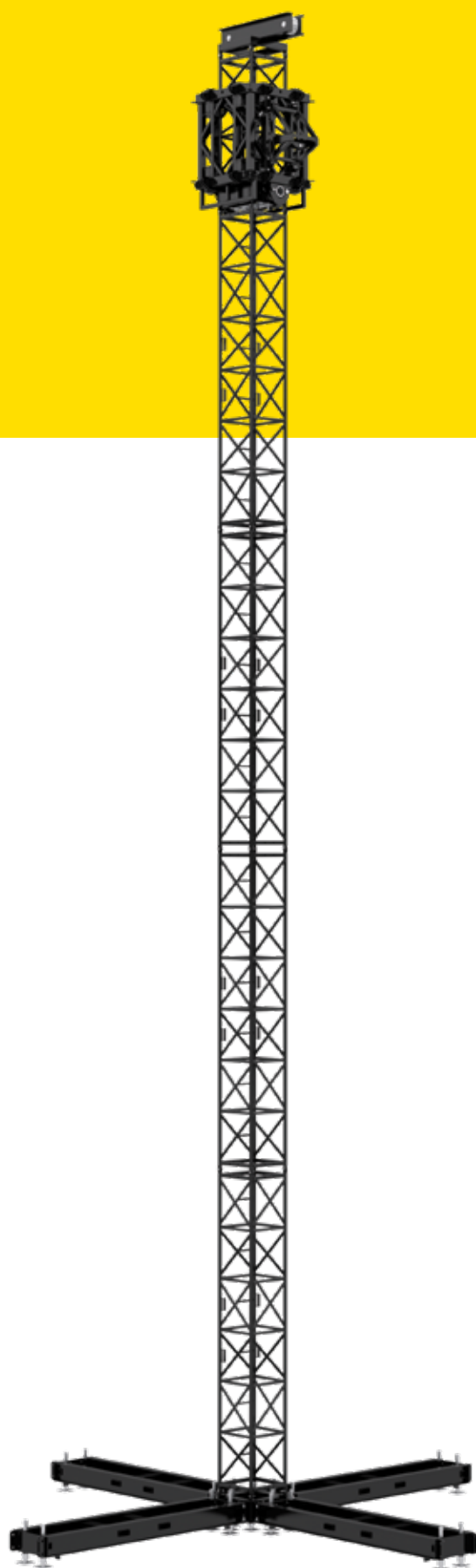
Weight

kg lbs

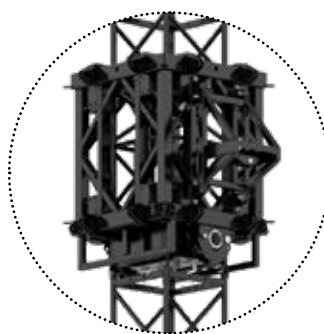
200 (440.92)

A tower truss component that features a mechanical locking system for use with our sleeve block. Its telescopic tube and easily accessible lever system lock the sleeve block down tight to offer reliable protection against downward forces of up to 45 metric tonnes as well as protection against lift.

S-MT-Q Steel Tower



- Constructed from MILOS S-QTQT ultra-high-strength steel truss – 780×780 mm (30.71×30.71 in), 40 m (131.23 ft) span with 76 kg/m UDL
- Steel sleeve block, a steel head section with aluminium wheels equipped with heavy-duty bearings, a unique locking unit protecting the sleeve block/mother grid against drop and lift
- When used as a 20 m (65.62 ft) high tower in a guy-wire-braced ground support, the load capacity is up to 70.1 metric tonnes, or up to 45.3 metric tonnes when used with a locking unit
- Integrated ladder for easy climbing
- End frames equipped with lateral connection options

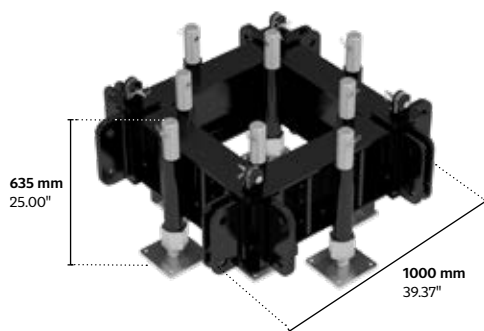


S-MT-Q Steel Tower

Main chords	mm	in	60.3×4 (2.37×0.16)
Diagonals	mm	in	48.3×3.2 (1.9×0.1)
Height	m	ft	22.5 (73.82)
Self-weight	kg	lbs	6100 (13448)

Components for tower

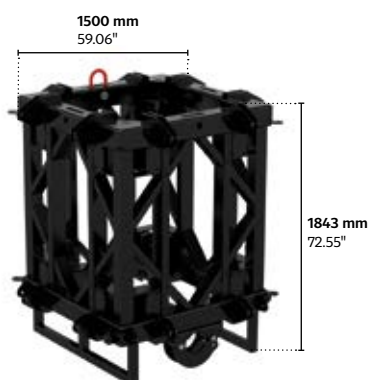
S-MT-Q-01-Base	1 piece
S-MT-Q-02-Head	1 piece
S-MT-Q-03-Sleeve	1 piece
S-MT-Q-05-Outrigger4000	4 pieces
S-MT-Q-09-Bracket	1 piece
S-MT-Q-10-Lock_450	1 piece
S-QTQT5000 5m	4 pieces
S-QTQT2000 2m	1 piece



S-MT-Q-01|Base

Weight	
kg	495 (1091.28)

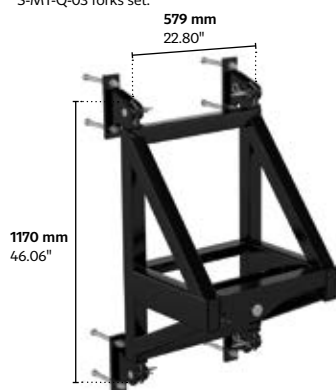
A robust steel base that is compatible with our steel S-QTQT truss. It includes 8 large steel screw jacks and high-grade steel outrigger connections on all sides for providing extra strength and stability to the tower.



S-MT-Q-03|Sleeve

Weight	
kg	1050 (2314.85)

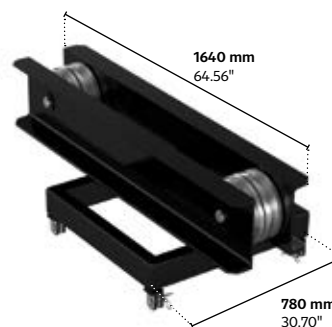
A four-way, heavy-duty steel sleeve block for use with our S-QTQT tower. Can be attached to an S-RTW truss or S-RTD truss using our S-MT-Q-03 forks set.



S-MT-Q-09|Bracket

Weight	
kg	85 (187.39)

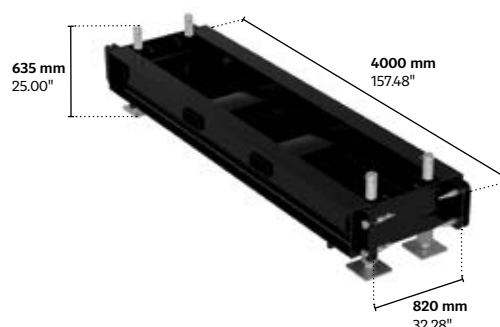
A universal chain hoist attachment point for safely and easily attaching up to 2.5 metric-tonne chain hoists to the sleeve block. It has the same axis dimensions as S-RTD steel truss, fits inside S-RTW steel truss and enables up to 10 metric tonnes to be lifted using a double-reeve set-up.



S-MT-Q-02|HeadSection

Weight	
kg	260 (573.20)

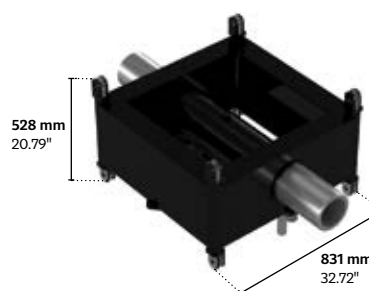
A steel tower top section fitted with a double aluminium pulley system equipped with heavy-duty bearings.



S-MT-Q-05|Outrigger4000

Weight	
kg	640 (1410)

This heavy-duty steel outrigger provides extra stability for your steel towers. It comes with four large screw jacks and features a wide range of lengths for added flexibility for constructing stable grids.

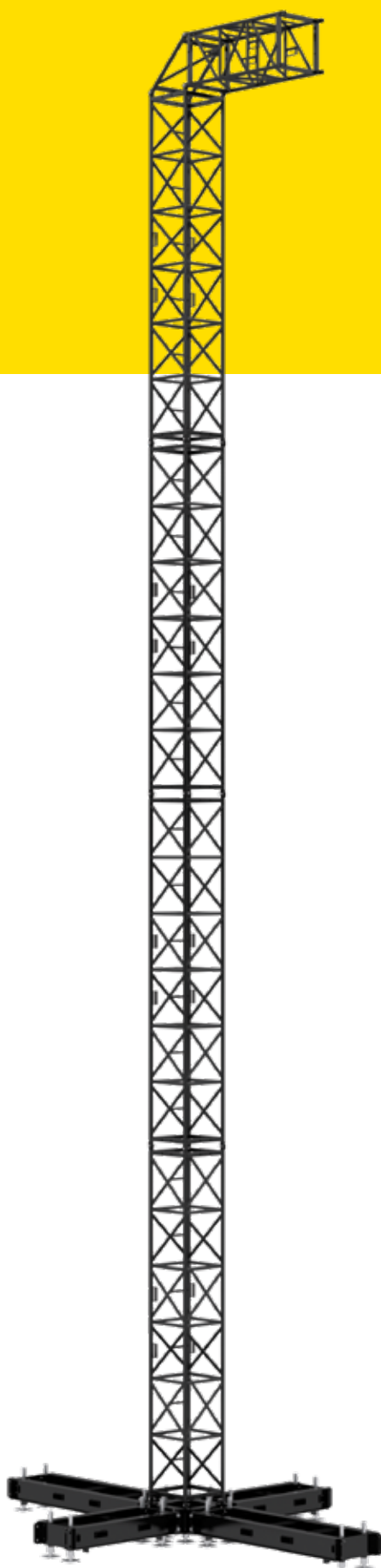


S-MT-Q-10|LockingUnit

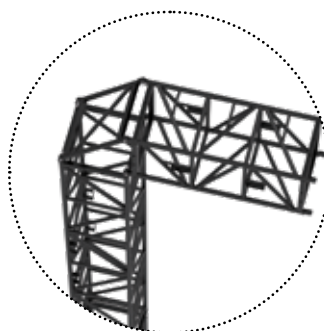
Weight	
kg	279 (615.10)

A tower truss component that features a mechanical locking system for use with our sleeve block. Its telescopic tube and easily accessible lever system lock the sleeve block down tight to offer reliable protection against downward forces of up to 45 metric tonnes as well as protection against lift.

S-MT-PA-Steel PA Tower



- Constructed from MILOS S-QTQT ultra-high-strength steel truss – 780×780 mm (30.71×30.71 in), 40 m (131.23 ft) spans with 76 kg/m UDL
- Fly up to 2.5-metric-tonne PA systems up to 20 metres (65.62 ft) high
- Integrated steel base with outriggers (3-m (9.8-ft) outriggers at front/back and 2-m (6.6-ft) on each side)
- Steel base lugs feature a variety of guy wire attachment points
- Multiple attachment points on base for connecting hoists and safeties



Size and weight capacities:

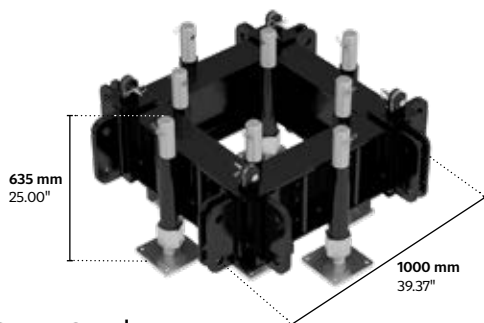
Front area of PA:	m	ft	10 m ² (107.64 ft ²)
Side area of PA:	m	ft	5 m ² max. (53.82 ft ²)
Loading capacity:	kg	lbs	2500 (5511)

S-MT-PA

Main chords	mm	in	60.3×4 (2.37×0.16)
Diagonals	mm	in	48.3×3.2 (1.9×0.1)
Height	m	ft	21.3 (69.88)
Self-weight	kg	lbs	3850 (8487)

Components for tower

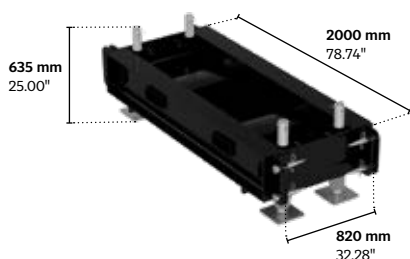
S-MT-Q-01 Base	1 piece
S-MT-Q-05 Outrigger2000	2 pieces
S-MT-Q-05 Outrigger3000	2 pieces
S-QTQT5000 5m	4 pieces
S-BTQT1018sp	1 piece
S-QTQT2000 2m	1 piece



S-MT-Q-01|Base

Weight	
kg	495 (1091.28)

A robust steel base that is compatible with our steel S-QTQT truss. It includes 8 large steel screw jacks and high-grade steel outrigger connections on all sides for providing extra strength and stability to the tower.



S-MT-Q-05|Outrigger2000

Weight	
kg	440 (970.03)

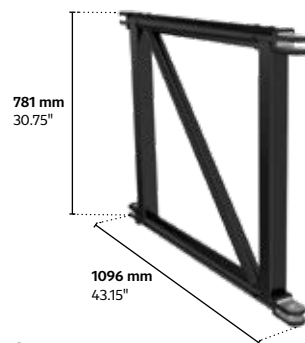
This heavy-duty steel outrigger provides extra stability for your steel towers. It comes with four large screw jacks and features a wide range of lengths for added flexibility for constructing stable grids.



S-MT-Q-11|Helper

Weight	
kg	331 (729.7)

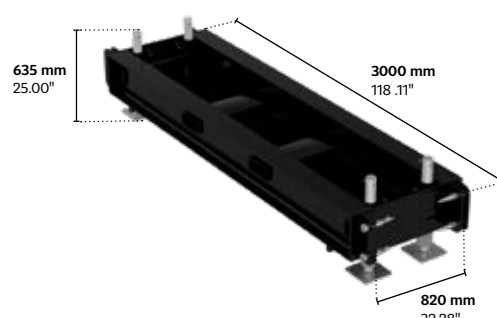
The Erector Helper with a chain hoist is ready to erect the MILOS Steel S-MT-PA Tower without the need of crane. The Helper can erect the tower with the height up to 18 m (with the use of 2 m long cantilever).



S-BTQT1018

Weight	
kg	35 (77.16)

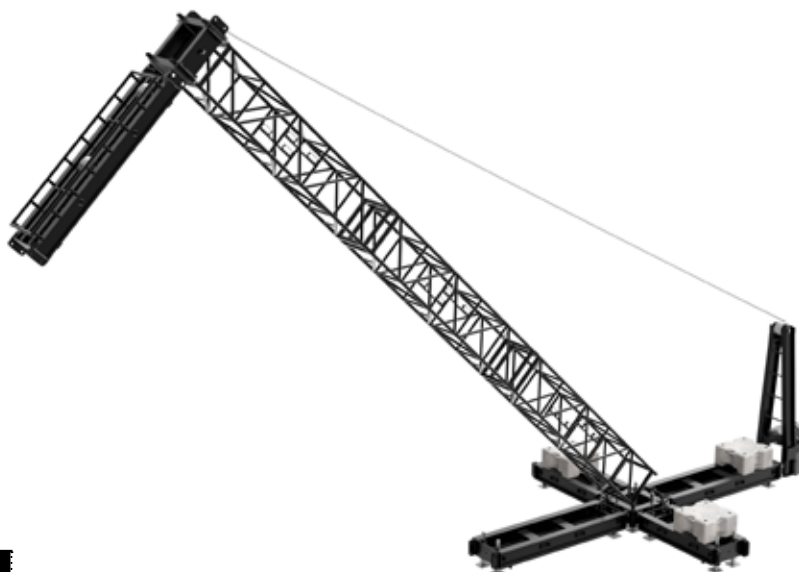
The S-BTQT1018sp provides reliable support for the cantilever on the Steel PA Tower.



S-MT-Q-05|Outrigger3000

Weight	
kg	540 (1190.47)

This heavy-duty steel outrigger provides extra stability for your steel towers. It comes with four large screw jacks and features a wide range of lengths for added flexibility for constructing stable grids.



LED screen structures

Raise your loads





Use QR code
for full range

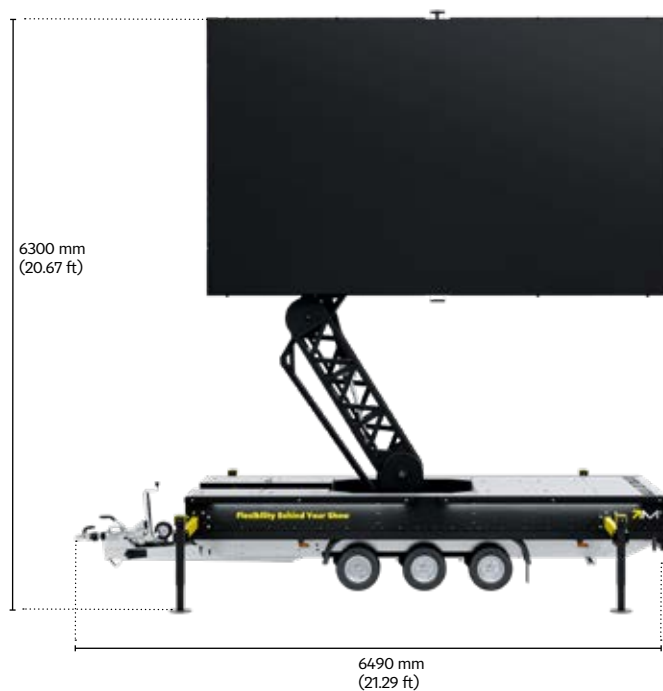
Raise your view

LED Trailer

The LED Trailer is a high-performance, portable display solution developed for maximum visibility and safety. Designed for easy transport and set-up, it features a powerful LED screen mounted on a robust trailer structure, making it ideal for outdoor events with large crowds. The LED Trailer ensures a reliable, energy-efficient display while prioritising safety with stable operation and secure set-up, providing both durability and ease of use.



Discover more
with QR code



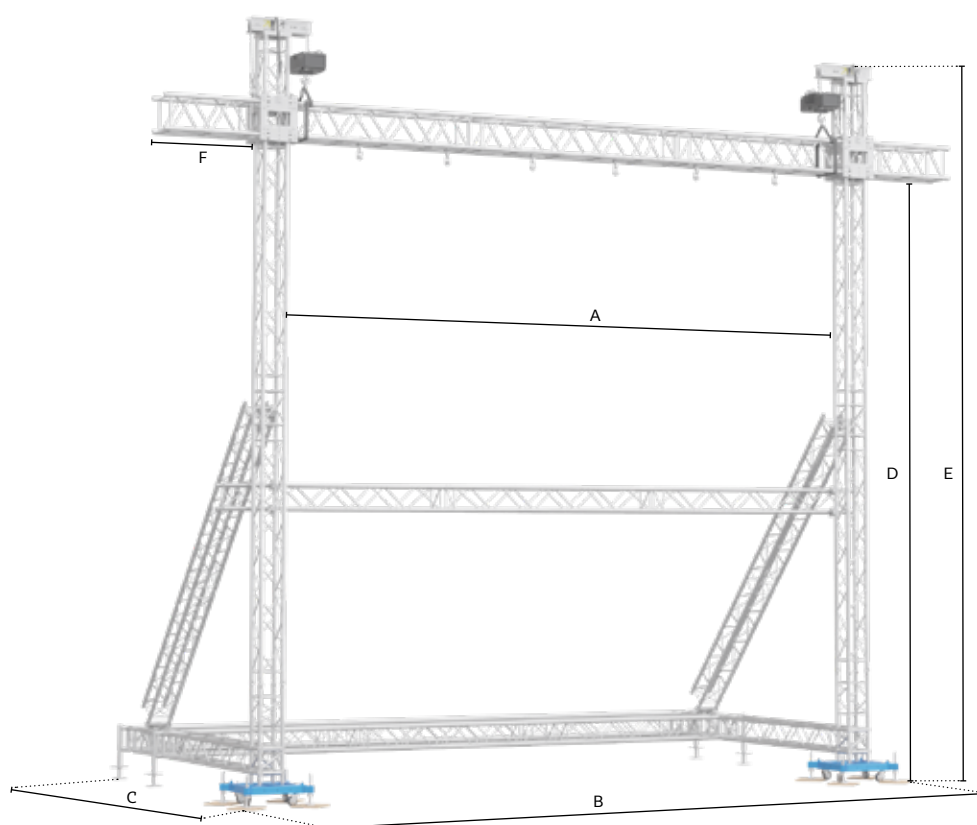
Operational specifications

Screen	Size	The screen measures 5.0x3.0 m (16.40x9.84 ft), offering a large display area for impactful visuals.
	Height-adjustable	Features a hydraulic lifting system that allows adjustment up to a maximum height of 6.3 m (20.67 ft). The hydraulic system offers automatic locking in any position.
	Rotating screen	The screen can be rotated 360° around (180°L/R) its vertical axis, ensuring optimum visibility and adaptability to challenging site conditions.
Simplified set-up and transport	User-friendly operation	A portable control panel, which can be operated wirelessly or via a control panel, enables safe and efficient unfolding and folding of the screen. The entire process can be controlled by one person.
	Compact design	The trailer's aerodynamic, compact folded shape ensures a low height of just 1.6 m (5.25 ft), contributing to stability during transport.
	Quick set-up	The straightforward design minimises preparation time (up to 10 minutes), making it ideal for rapid deployments.
Wind resistance	Proven strength	The MILOS LED Trailer is EN 13814-compliant and withstand winds up to 75 km/h (Beaufort 8).
Safety	Hydraulic system	The hydraulic system is automatically braked by a SITEMA hydraulic brake in any position.
	Emergency protocol	An emergency hydraulic circuit enables the system to be folded in the event of power failures, thereby, minimising risks.
	Enhanced safety standards	Certified for public events, the LED Trailer meets stringent safety requirements.



LSGO LED screen structure

- Compact, self-climbing LED tower with integrated ballast platform
- MT1 towers with central M390 bridge & M290 rear stabilising base frame
- Obstruction-free viewing for audience
- Can be operated with manual chain block or electric chain hoist
- Fast connection for quick, simple and secure assembly
- Full structural calculation report and build manual available
- Cantilever line array arms

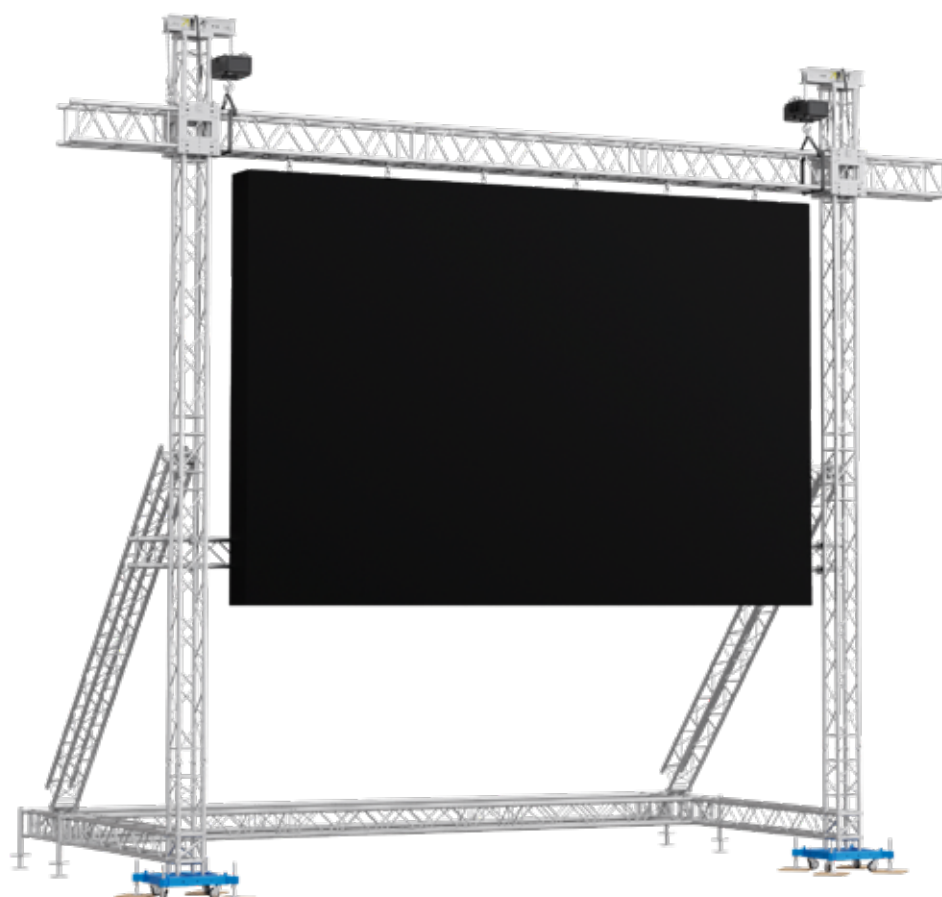


Technical specifications

		Max LED screen size >	6.5×6.5 m (21.32×21.32 ft)
Dimensions	A	Internal width	6.65 m (21.82 ft)
	B	Overall external width	9.39 m (30.81 ft)
	C	Overall external depth	4.48 m (14.70 ft)
	D	Clearance	7.08 m (23.23 ft)
	E	Overall height	8.03 m (26.35 ft)
	F	PA wing – internal width	1.07 m (3.51 ft)

Loading capacity

		LED screen size >	6×4 m (19.68×13.12 ft)
Loading capacity	LED Screen	UDL	250 kg (168 lbs)
		Max. total load	1500 kg (3306 lbs)
	PA wing	Point load	350 kg (771 lbs)
	* See structural report for exact load positioning		



Operational specifications

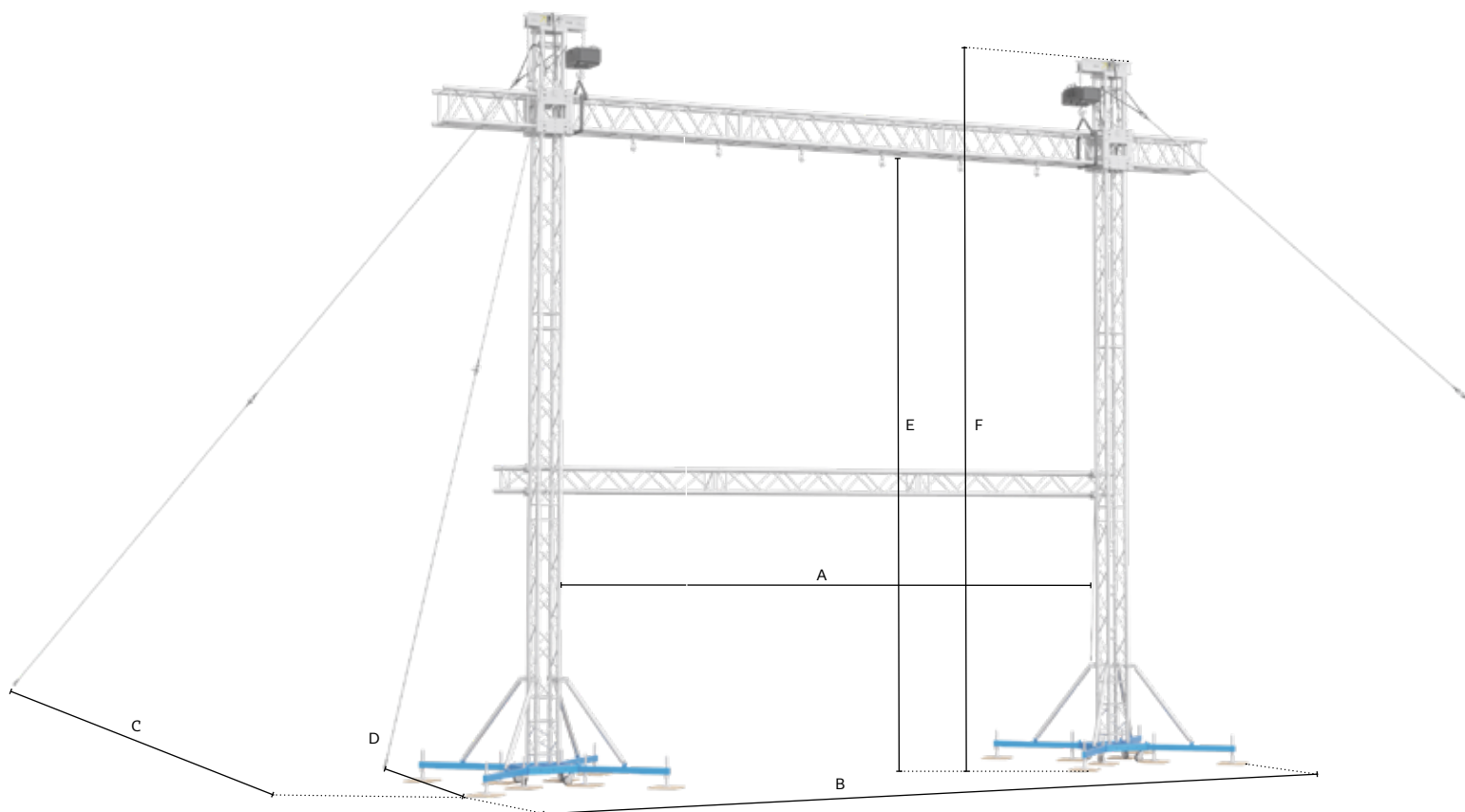
Design standards	DIN EN 13814 DIN EN 1991 / Eurocode 1 DIN EN 1999 / Eurocode 9 DIN EN 1993 / Eurocode 3 • All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	Fairground and amusement park machinery and structures Actions on structures / wind Design of aluminium structures Design of steel structures
Wind management	In service *Above in-service wind speed; equipment to be removed and screen lowered to ground and supported at top by horizontal truss connected to towers at height of stabiliser truss Out of service	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed) 27.0 m/s – 100 km/h – 62 mph (max. gust wind speed)
Ballast	2× 900kg / 1982lbs placed at back side cross trusses, as close as possible to the sides If screen weight is lower than 1500kg / 3306lbs, 50% of the difference shall be placed on each front tower base	
Customized	• Customisation, i.e. truss configuration or alternative dimensions, on request • Always verify your screen dimensions, weight and rigging with MILOS	

Transportation data

	LSG0-MT1-QTL-6.5×6.5m (21.32×21.32 ft)
Self-weight	652 kg (1436 lbs)
Transport volume	8 m³ (282 ft³)

LSG1 LED screen structures

- MT Tower LED Screen Support solution
- Wind management plan does not require disassembling the LED screen
- Self-climbing towers with electric or manual hoists
- Fast connection for quick, simple and secure assembly
- Cheapest LSG concept available

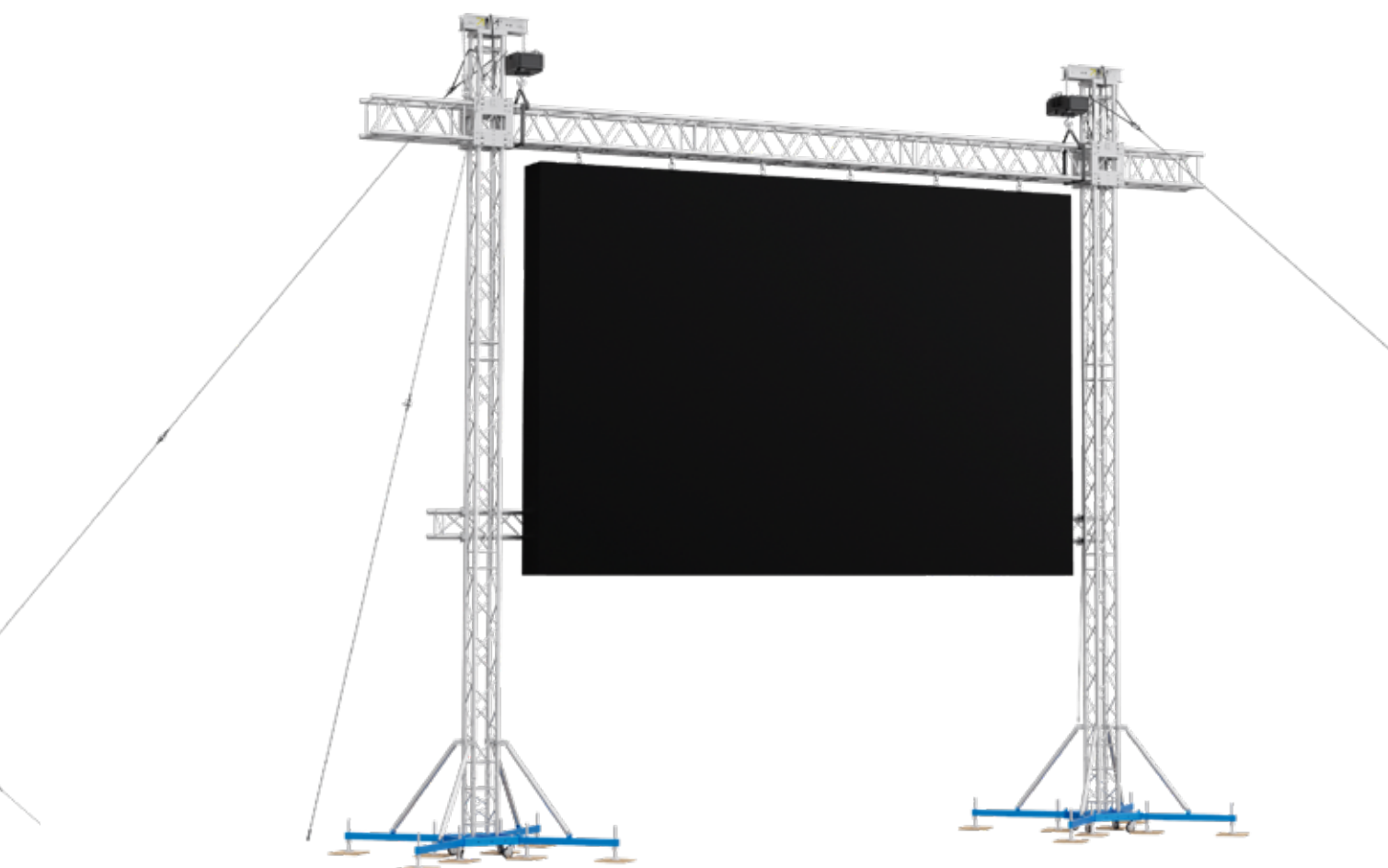


Technical specifications

		Max LED screen size >	6.5×6.5 m (21.32×21.32 ft)	7.5×6.5 m (24.60×21.32 ft)
Dimensions	A	Internal width	6.66 m (21.85 ft)	7.65 m (25.09 ft)
	B	External width	8.99 m (29.49 ft)	9.99 m (32.78 ft)
	C	Depth of set-up area incl. guy wires	19.75 m (64.80 ft)	19.75 m (64.80 ft)
	D	Depth of set-up area incl. guy wires	16.10 m (52.82 ft)	16.10 m (52.82 ft)
	E	Clearance	7.00 m (22.96 ft)	7.00 m (22.96 ft)
	F	Overall height	8.05 m (26.41 ft)	8.05 m (26.41 ft)

Loading capacity

		LED screen size >	6×4 m (19.68×13.12 ft)	7×5 m (22.96×16.40 ft)
Loading capacity	LED screen	4× point loads equally divided	625 kg (1377 lbs)	625 kg (1377 lbs)
		Max. total load	2500 kg (5511 lbs)	2500 kg (5511 lbs)
		PA wing	350 kg (771.61 lbs)	350 kg (771.61 lbs)
	* See structural report for exact load positioning			



Operational specifications

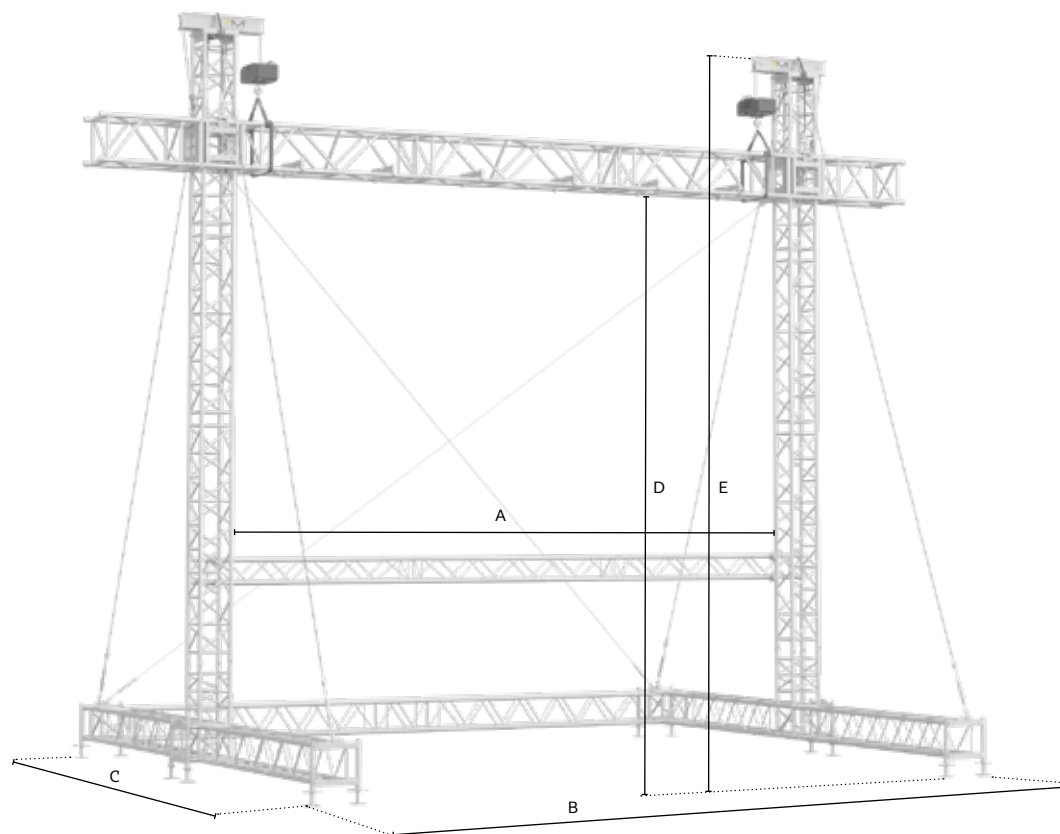
Design standards	DIN EN 13814 DIN 1055-4 DIN 4113 DIN 18800 Fairground and amusement park machinery and structures Actions on structures / wind Design of aluminium structures Design of steel structures • All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report
Wind management	Max. wind speed incl. screen 28 m/s – 100 km/h – 62 mph (max. basic wind speed) * Screen to be stabilised against swinging by cross truss at bottom of screen
Ballast	4×2160 kg / 4757 lbs attache 2160kg (4757 lbs) to each guy wires * Figure based on screw jack to timber spreader to rubber to concrete / asphalt
Customized	• Customisation, i.e. truss configuration or alternative dimensions, on request • Always verify your screen dimensions, weight and rigging with MILOS

Transportation data

	LSG1-MT1-QTL-6.5×6.5 m (21.32×21.32 ft)	LSG1-MT1-QTL-7.5×6.5 m (24.60×21.32 ft)
Self-weight	485 kg (1068 lbs)	850 kg (1874 lbs)
Transport volume	6 m³ (212 ft³)	8 m³ (282 ft³)

LSG2 LED screen structures

- Free-standing MT Tower LED Screen Support solution
- Wide range of system options available to suit specific screen size and weight
- Self-climbing towers with electric or manual hoists
- Screw jack feet for quick and easy levelling
- Fast connection for quick, simple and secure assembly
- Stabilisation using integrated cross tension wires integrated at the front and rear

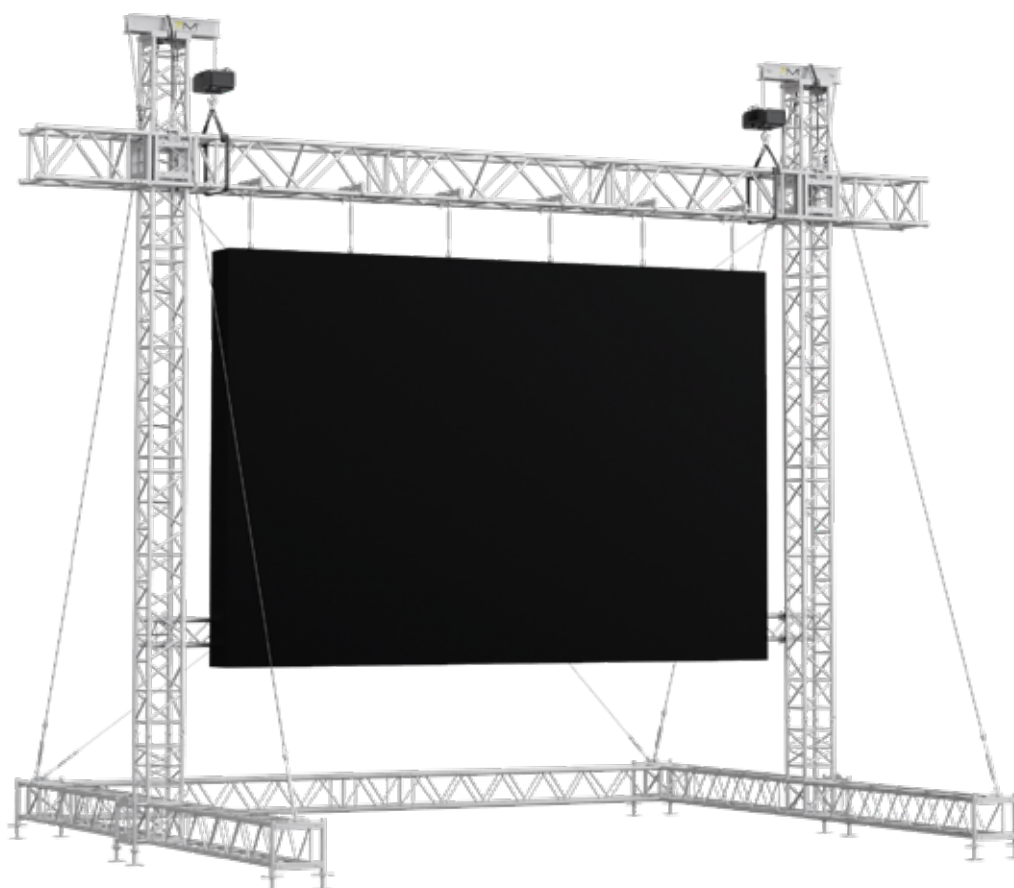


Technical specifications

		Max LED screen size ›	6.5×6.0 m (21.32×19.68 ft)	7.5×6.0 m (24.60×19.68 ft)
Dimensions	A	Internal width	6.82 m (22.37 ft)	7.81 m (25.62 ft)
	B	Overall external width	7.83 m (25.69 ft)	8.82 m (28.94 ft)
	C	Overall external depth	6.83 m (22.40 ft)	6.83 m (22.40 ft)
	D	Clearance	6.37 m (20.89 ft)	6.37 m (20.90 ft)
	E	Overall height	8.02 m (26.32 ft)	8.01 m (26.28 ft)

Loading capacity

		LED screen size ›	6×4 m (19.68×13.12 ft)	7×5 m (22.96×16.40 ft)
Loading capacity	LED screen	6× point loads equally divided	416 kg (916 lbs)	416 kg (916 lbs)
		3× point loads equally divided	833 kg (1835 lbs)	833 kg (1835 lbs)
		Max. total load	2500 kg (5511 lbs)	2500 kg (5511 lbs)
	PA wing	Point load	500 kg (1102 lbs)	500 kg (1102 lbs)
	* See structural report for exact load positioning			



Operational specifications

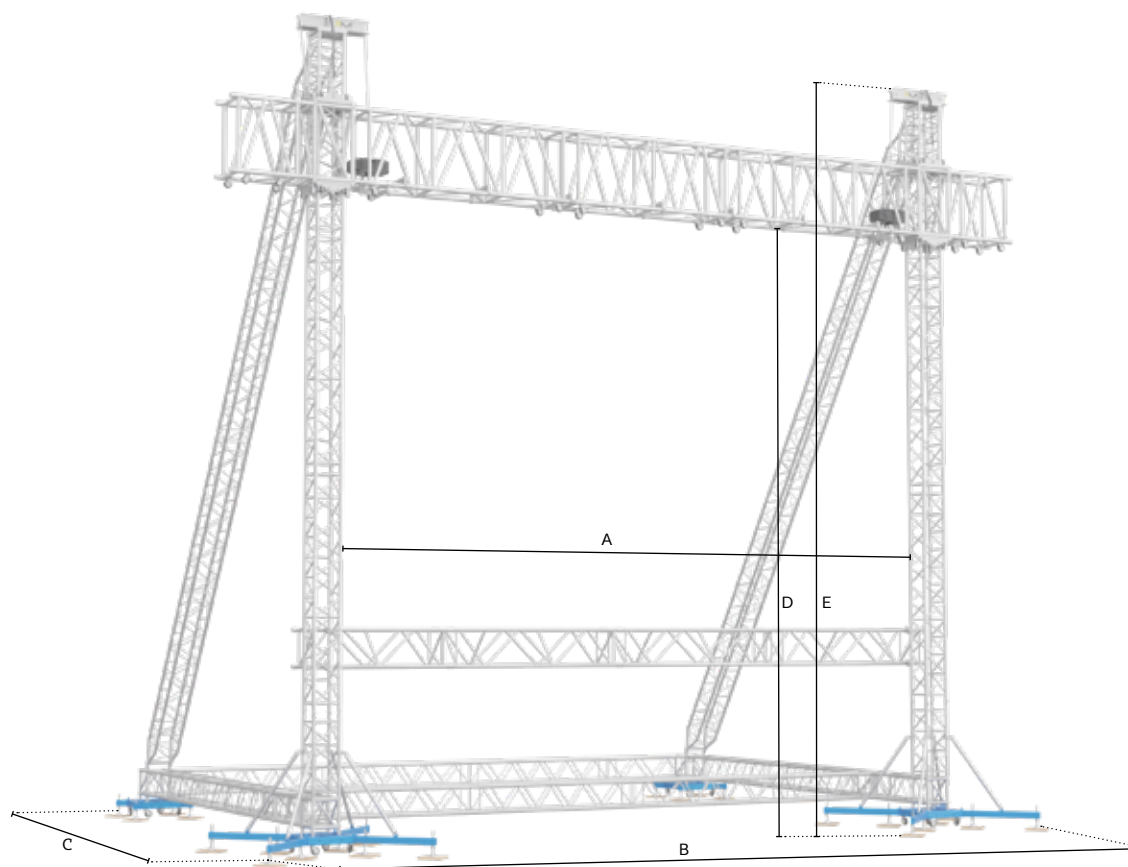
Design standards	DIN EN 13814 DIN 1055-4 DIN 4113 DIN 18800 • All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	Fairground and amusement park machinery and structures Actions on structures / wind Design of aluminium structures Design of steel structures
Wind management	Max. wind speed incl. screen * Screen to be stabilised against swinging by cross truss at bottom of screen	28 m/s – 100 km/h – 62 mph (max. basic wind speed)
Ballast	4×1400 kg (3087 lbs); fixed weight to prevent overturning * Figure based on screw jack to timber spreader to rubber to concrete / asphalt	
Customized	• Customisation, i.e. truss configuration or alternative dimensions, on request • Always verify your screen dimensions, weight and rigging with MILOS	

Transportation data

	LSG2-MT2-QTP-6.5×6.0 m (21.32×19.68 ft)	LSG2-MT2-QTP-7.5×6.0 m (24.60×19.68 ft)
Self-weight	750 kg (1652 lbs)	800 kg (1763 lbs)
Transport volume	6.00 m³ (212 ft³)	7.00 m³ (247 ft³)

LSG3 LED screen structures

- Large-format MT Tower LED Screen Support solution
- Various system options available to suit specific screen size and weight
- Self-climbing towers with electric or manual hoists
- Rear base frame and diagonal stabiliser to provide obstruction-free viewing

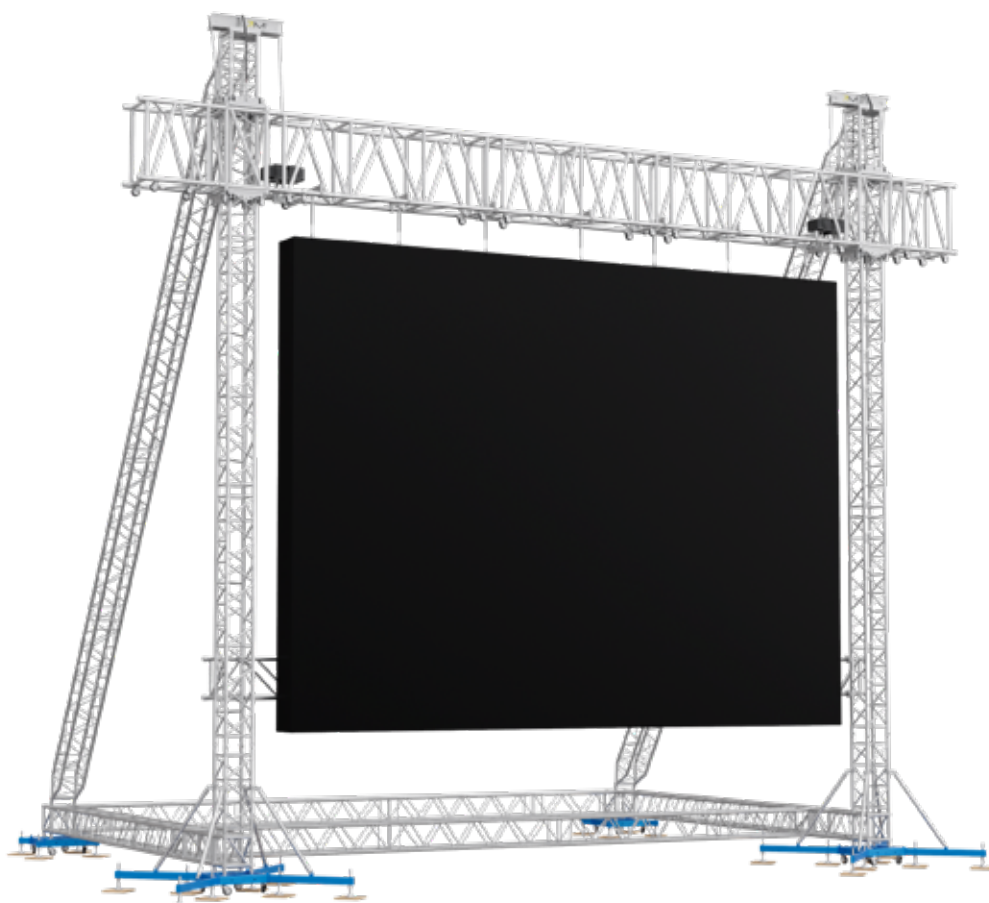


Technical specifications

		Max LED screen size >	8.5×8.0 m (27.89×26.25 ft)	10.5×8.0 m (34.45×26.25 ft)
Dimensions	A	Internal width	8.87 m (29.10 ft)	10.87 m (35.66 ft)
	B	Overall external width	10.21 m (33.49 ft)	13.49 m (44.26 ft)
	C	Overall external depth	8.37 m (27.46 ft)	8.37 m (27.46 ft)
	D	Clearance	8.41 m (27.59 ft)	8.41 m (27.59 ft)
	E	Overall height	10.56 m (34.65 ft)	10.56 m (34.64 ft)

Loading capacity

		LED screen size >	8×6 m (26.25×19.68 ft)	10×8 m (32.81×26.25 ft)
Loading capacity	LED screen	6× point loads equally divided	400 kg (882 lbs)	500 kg (1101 lbs)
		4× point loads equally divided	840 kg (1852 lbs)	1000 kg (2203 lbs)
		Max. total load	3300 kg (7275 lbs)	4000 kg (8811 lbs)
	PA wing	Point load	750 kg (1653 lbs)	750 kg (1653 lbs)
	* See structural report for exact load positioning			



Operational Specifications

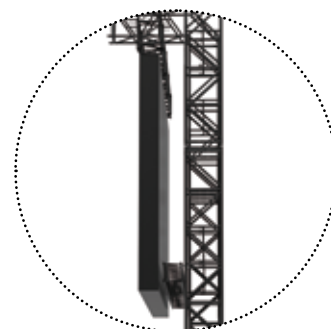
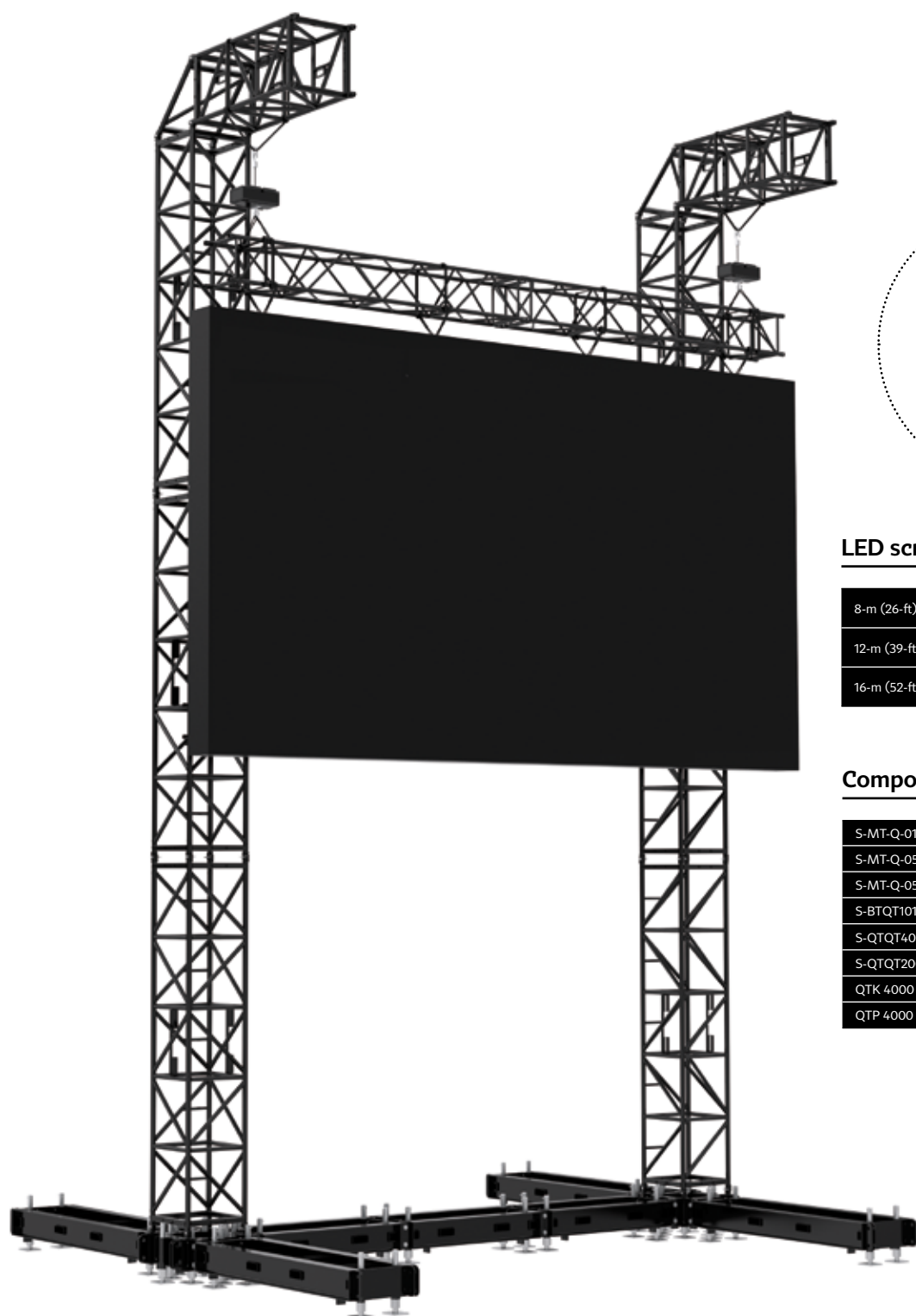
Design standards	DIN EN 13814 DIN 1055-4 DIN 4113 DIN 18800 • All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	Fairground and amusement park machinery and structures Actions on structures / wind Design of aluminium structures Design of steel structures
Wind management	Max. wind speed incl. screen 28 m/s – 100 km/h – 62 mph (max. basic wind speed) * Screen to be stabilised against swinging by cross truss at bottom of screen	
Ballast	4×2000 kg / 4410 lbs fixed weight to prevent overturning * Figure based on screw jack to timber spreader to rubber to concrete / asphalt	
Customized	• Customisation, i.e. truss configuration or alternative dimensions, on request • Always verify your screen dimensions, weight and rigging with MILOS	

Transportation data

	LSG3-MT2-RTTH-8.5×8.0 m (27.89×26.25 ft)	LSG3-MT2-RTTH-10.5×8.0 m (34.45×26.25 ft)
Self-weight	1858 kg (4093 lbs)	2400 kg (5291 lbs)
Transport volume	12 m³ (424 ft³)	15 m³ (530 ft³)

S-LSG-QTQT

- Extreme loading capacity for safely flying large LED screens without the need for guy wires
- Constructed with MILOS S-QTQT ultra-high-strength steel truss –780×780 mm (30.71×30.71 in)
- Integrated steel base with outriggers (3-m (9.8-ft) outriggers at front/back and base-to-base connection based on length of screen)
- Integrated forklift pockets for convenient transport
- Special steel alloy that provides nearly 3× more strength compared to standard S235 steel
- Wind loading of secured structure is up to 28 m (91.9 ft)/second.
- 2-m (6.6-ft) cantilever arm at the top of the tower enables advertising elements to be attached
- Durable, industrial black paint finish as standard on all truss and tower modules

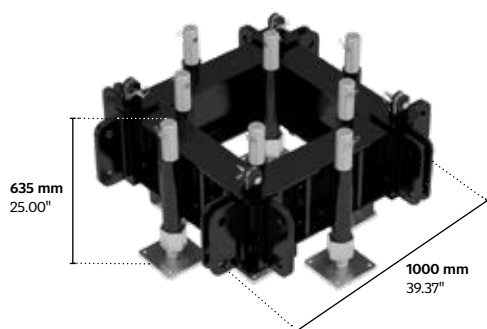


LED screen capacities

8-m (26-ft) tower	60-m ² (645-ft ²) screen frontal area 3000 kg (6613 lbs) max. loading capacity
12-m (39-ft) tower	40-m ² (430-ft ²) screen frontal area 2000 kg (4409 lbs) max. loading capacity
16-m (52-ft) tower	20-m ² (215-ft ²) screen frontal area 1000 kg (2204 lbs) max. loading capacity

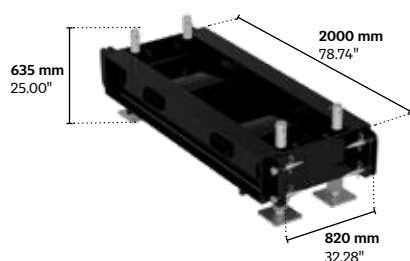
Components for LED screen gate

S-MT-Q-01 Base	2 pieces
S-MT-Q-05 Outrigger2000	2 pieces
S-MT-Q-05 Outrigger3000	2 pieces
S-BTQT1018sp	2 pieces
S-QTQT4000 4m	6 pieces
S-QTQT2000 2m	2 pieces
QTK 4000	2 pieces
QTP 4000	2 pieces



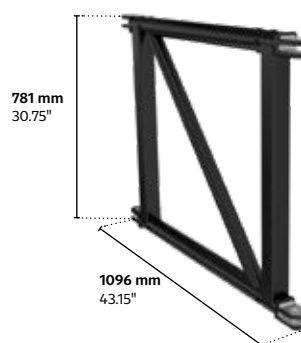
S-MT-Q-01|Base

Weight	
kg	lbs
495	(1091.28)
A robust steel base that is compatible with our steel S-QTQT truss. It includes 8 large steel screw jacks and high-grade steel outrigger connections on all sides for providing extra strength and stability to the tower.	



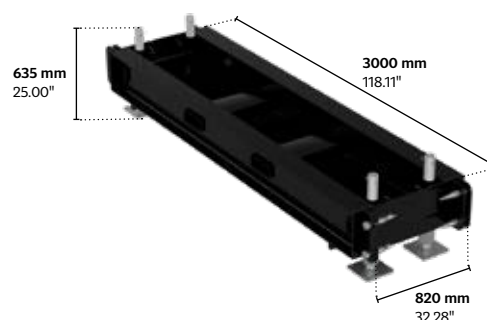
S-MT-Q-05|Outrigger2000

Weight	
kg	lbs
440	(970.03)
This heavy-duty steel outrigger provides extra stability for your steel towers. It comes with 4 large screw jacks and features a wide range of lengths for added flexibility for constructing stable grids.	



S-BTQT1018

Weight	
kg	lbs
35	(77.16)
The S-BTQT1018 provides reliable support for the cantilever on the steel PA tower.	



S-MT-Q-05|Outrigger3000

Weight	
kg	lbs
540	(1190.47)
This heavy-duty steel outrigger provides extra stability for your steel towers. It comes with 4 large screw jacks and features a wide range of lengths for added flexibility for constructing stable grids.	



Roofs

We've got you covered

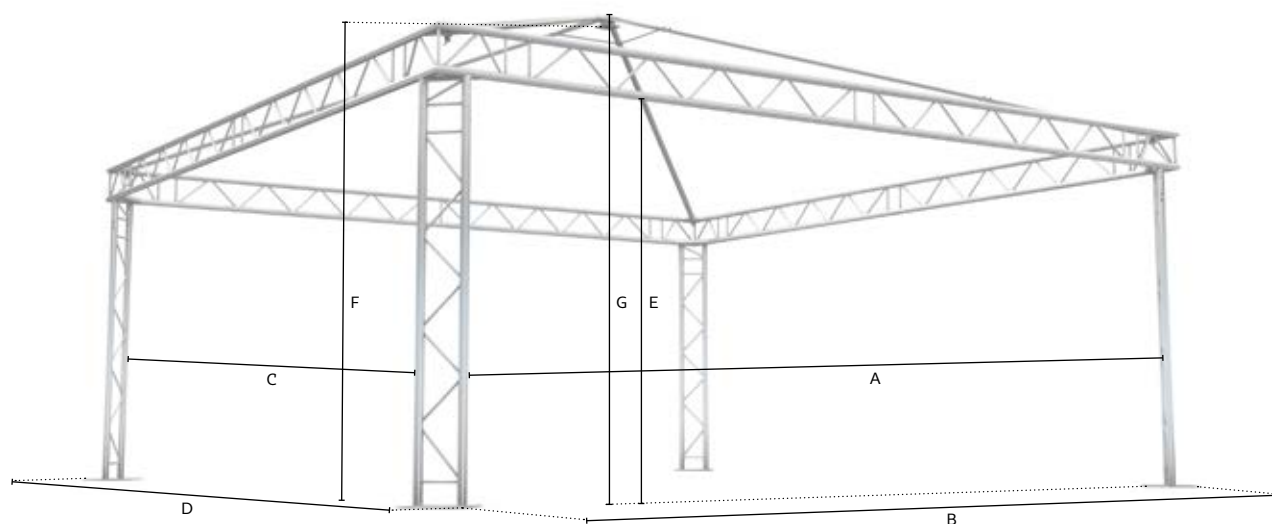




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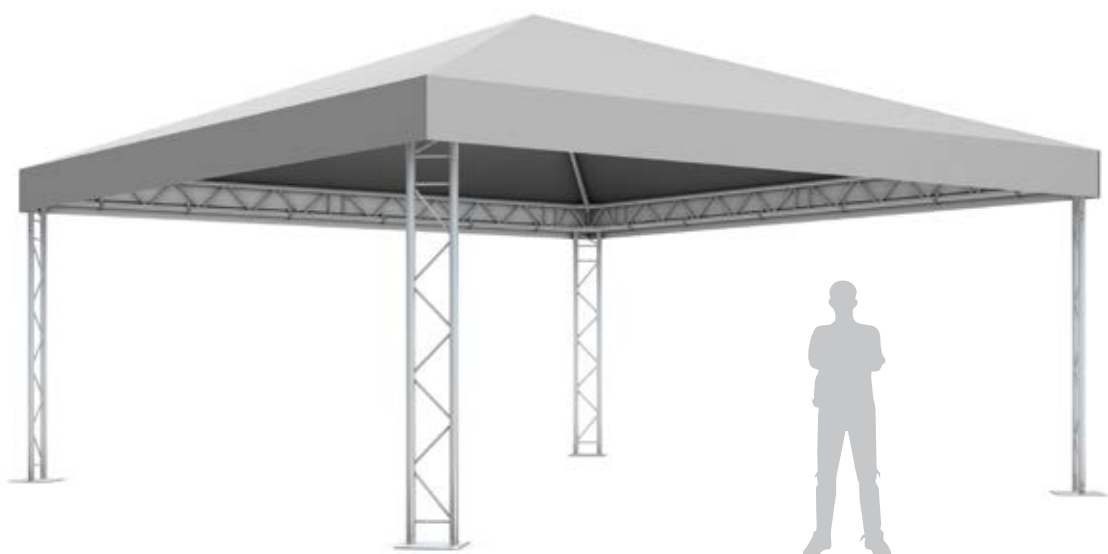
MDT1 tents

- Perfect for sports, temporary events and parties
- Modular M290 series event tent solutions
- 2-tube Duo construction for reduced weight and transport/storage requirements
- Fast connection for quick, simple and secure assembly
- PVC roof top included
- Optional side walls and digital printing covers available
- Easy anchoring design
- Powder coating on request



Technical specifications

		Size ›	6×6 m	(19.7×19.7 ft)	5×5 m	(16.4×16.4 ft)
Dimensions	A	Internal width	5.56 m	(18.24 ft)	4.56 m	(14.96 ft)
	B	Overall external width	6.20 m	(20.34 ft)	5.20 m	(17.06 ft)
	C	Internal depth	5.56 m	(18.24 ft)	4.56 m	(14.96 ft)
	D	Overall external depth	6.20 m	(20.34 ft)	5.20 m	(17.06 ft)
	E	Side clearance	2.20 m	(7.22 ft)	2.20 m	(7.22 ft)
	F	Middle clearance	3.53 m	(11.58 ft)	3.34 m	(10.83 ft)
	G	Overall height	3.64 m	(11.94 ft)	3.45 m	(11.32 ft)



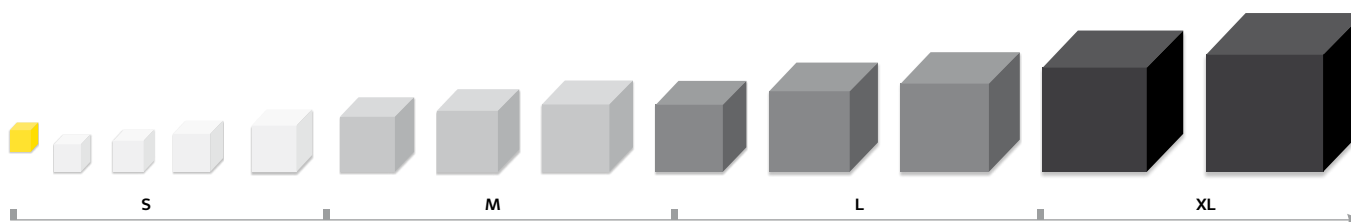
Operational specifications

Design standards	DIN 1055-4	Actions on structures / wind
	DIN 4112	Temporary structures
	DIN 4113	Aluminium constructions
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	In service	14 m/s – 52 km/h – 32.3 mph (max. gust wind speed)
	No side wall canopies are allowed for the data provided	
Ballast	From 115 kg/254 lbs to 163 kg/359 lbs depending on configuration	
Canopy and side walls	B1 fire-retardant canopy on request, single piece format	
	Silver-grey; other colours or black inner side on request	
	B1 fire-retardant side nets in compliance with latest Eurocodes	
Customised	Customisation, i.e. truss configuration or alternative dimensions, on request	

Transportation data

	Size >	6×6 m	(19.7×19.7 ft)	5×5 m	(16.4×16.4 ft)
Self-weight	* Exact self-weight depends on configuration	170 kg	(374 lbs)	149 kg	(328 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	5.00 m³	(176 ft³)	4.00 m³	(141 ft³)

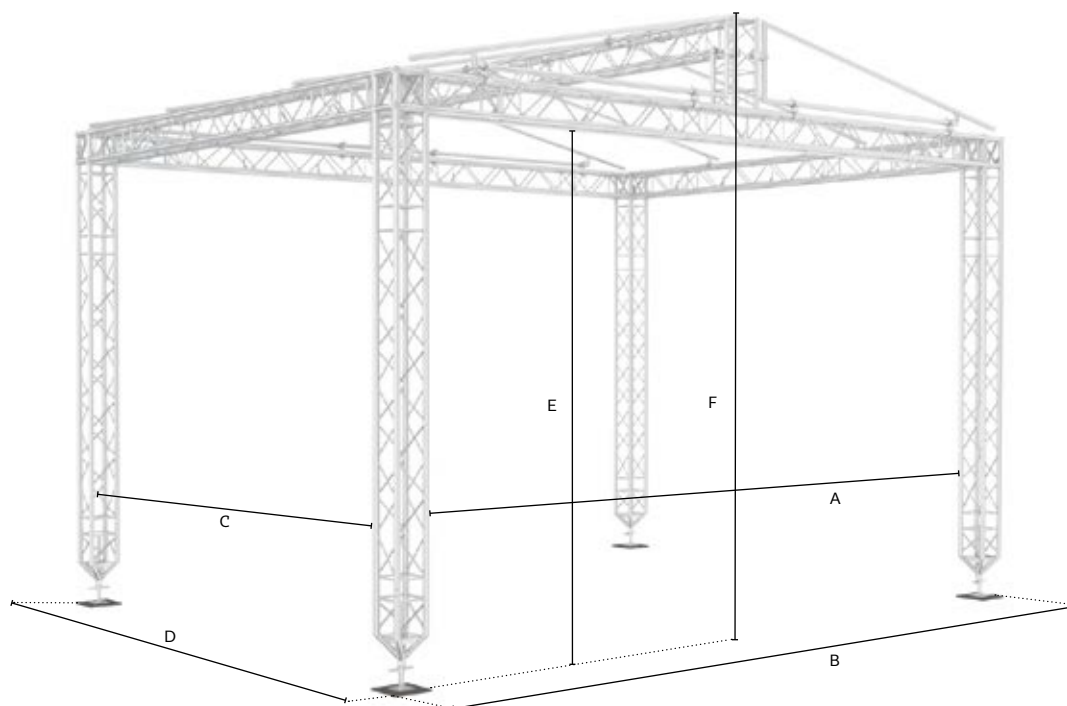
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

MRO 6×5 No Guy Wires

- 6×5 m (19.68×16.40 ft) aluminium roof designed for medium-sized events
- No guy wires required due to implementation of Multicube HD
- Decreased times for roof construction
- Reduced ballast requirements
- Loading capacity up to 2962 kg (5935 lbs)
- Up to 30 m/s wind loading in accordance with DIN EN 17879



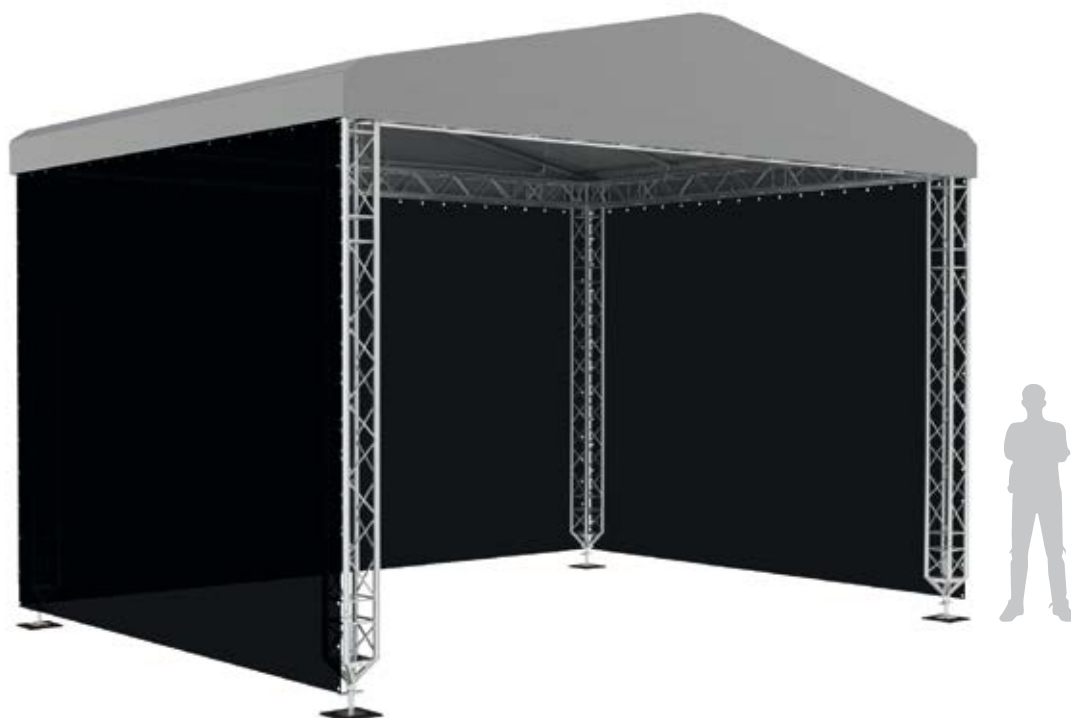
Technical specifications

MRO - NGW 6×5

		Size ›	6×5 m	(19.68×16.40 ft)
Dimensions	A	Internal width	6.13 m	(20.11 ft)
	B	Overall external width	6.73 m	(22.08 ft)
	C	Internal depth	4.42 m	(14.45 ft)
	D	Overall external depth	5.00 m	(16.40 ft)
	E	Clearance	3.95 m	(12.96 ft)
	F	Overall height	4.95 m	(16.24 ft)

Loading capacity

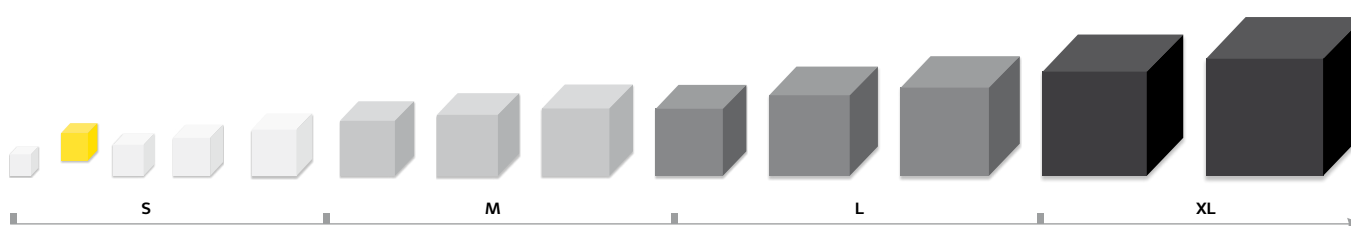
Loading capacity	Size ›	6×5 m	(19.68×16.40 ft)
	Main grid in total	2292 kg	(5053 lbs)
	PA load	400 kg	(882 lbs)
	Loading capacity	2692 kg	(5935 lbs)



Operational specifications

Design standards	EN 17879 EN 1991-1-4 EN 1993 EN 1999	Event structures – Safety requirements Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculation based on 100% windproof wall claddings Out of service * Side claddings and equipment with large areas exposed to wind need to be removed	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed) Up to 30.0 m/s – 108 km/h – 67 mph (depending on terrain categories)
Ballast	Depending on configuration	
Canopy & sidewalls	B1 fire-retardant canopy, single-piece format Silver-grey; other colours or black inner side on request B1 fire-retardant side nets in compliance with latest Eurocode	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

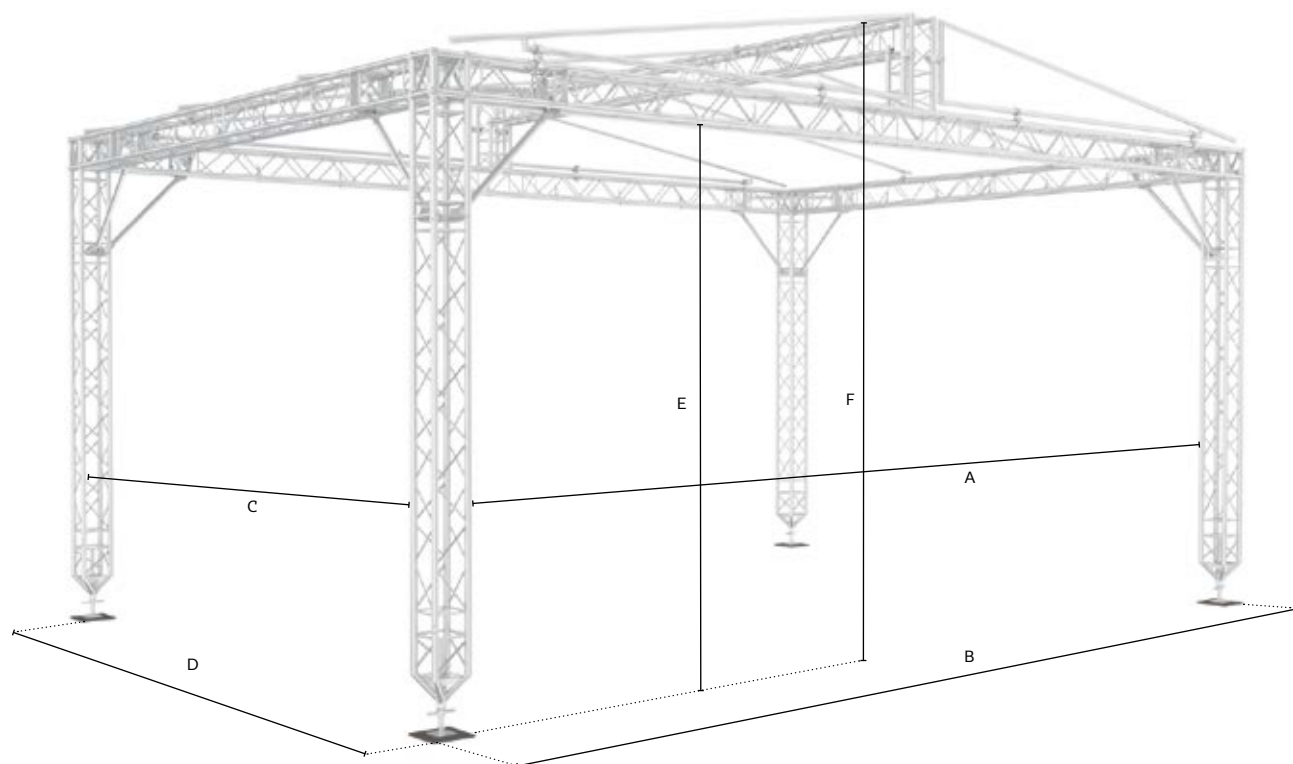
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

MRO 8×6 m No Guy Wires

- No guy wires required due to implementation of Corner Brace HD
- Decreased times for roof construction
- Reduced ballast requirements
- Up to 30 m/s wind loading in accordance with DIN EN 17879
- Loading capacity up to 2000 kg (4409 lbs)
- Clear area from all sides
- Adjustment to terrain by 572–950 mm using screw jack legs



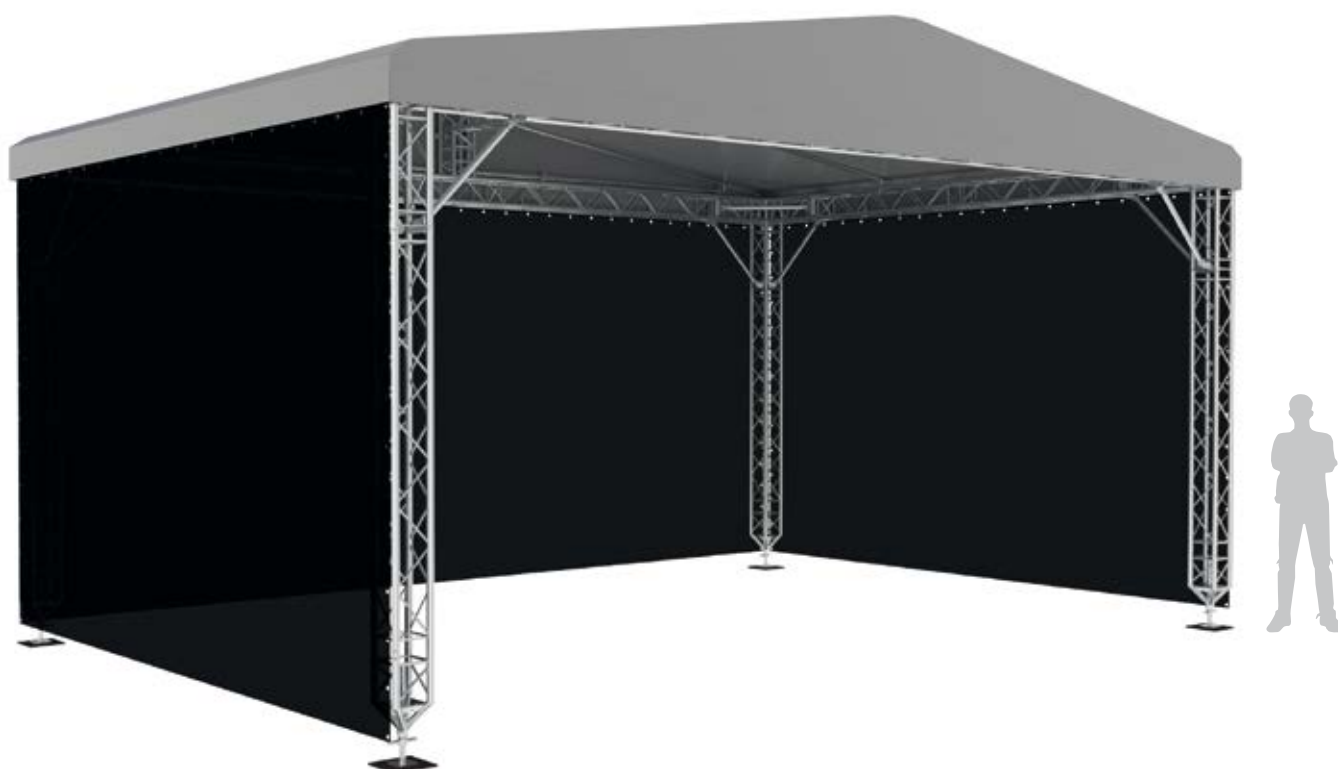
Technical specifications

MRO - NGW 8×6

		Size ›	8×6 m	(26.25×19.70 ft)
Dimensions	A	Internal width	8.16 m	(26.77 ft)
	B	Overall external width	8.73 m	(28.64 ft)
	C	Internal depth	5.44 m	(17.85 ft)
	D	Overall external depth	6.03 m	(19.78 ft)
	E	Clearance	3.95 m	(12.96 ft)
	F	Overall height	4.95 m	(16.24 ft)

Loading capacity

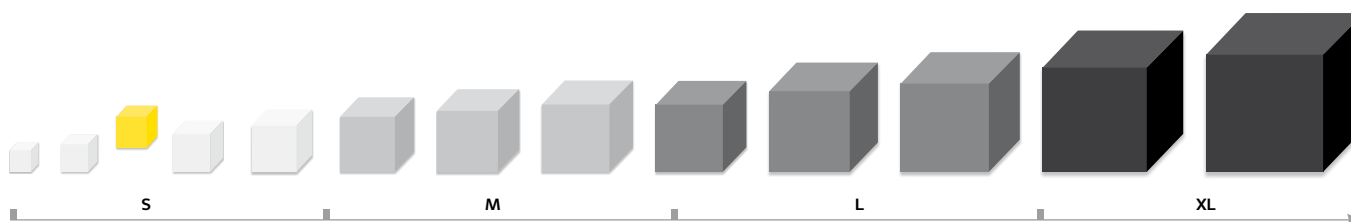
Loading capacity	Size ›	8×6 m	(26.25×19.70 ft)
	Main grid in total	1627 kg	(3587 lbs)
	PA load	400 kg	(882 lbs)
	Loading capacity	2027 kg	(4469 lbs)



Operational specifications

Design standards	EN 17879 EN 1991-1-4 EN 1993 EN 1999	Event structures – Safety requirements Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculation based on 100% windproof wall claddings Out of service * Side claddings and equipment with large areas exposed to wind need to be removed	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed) Up to 30.0 m/s – 108 km/h – 67 mph (depending on terrain categories)
Ballast	Depending on configuration	
Canopy and side walls	B1 fire-retardant canopy, single-piece format Silver-grey; other colours or black inner side on request B1 fire-retardant side nets in compliance with latest Eurocode	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

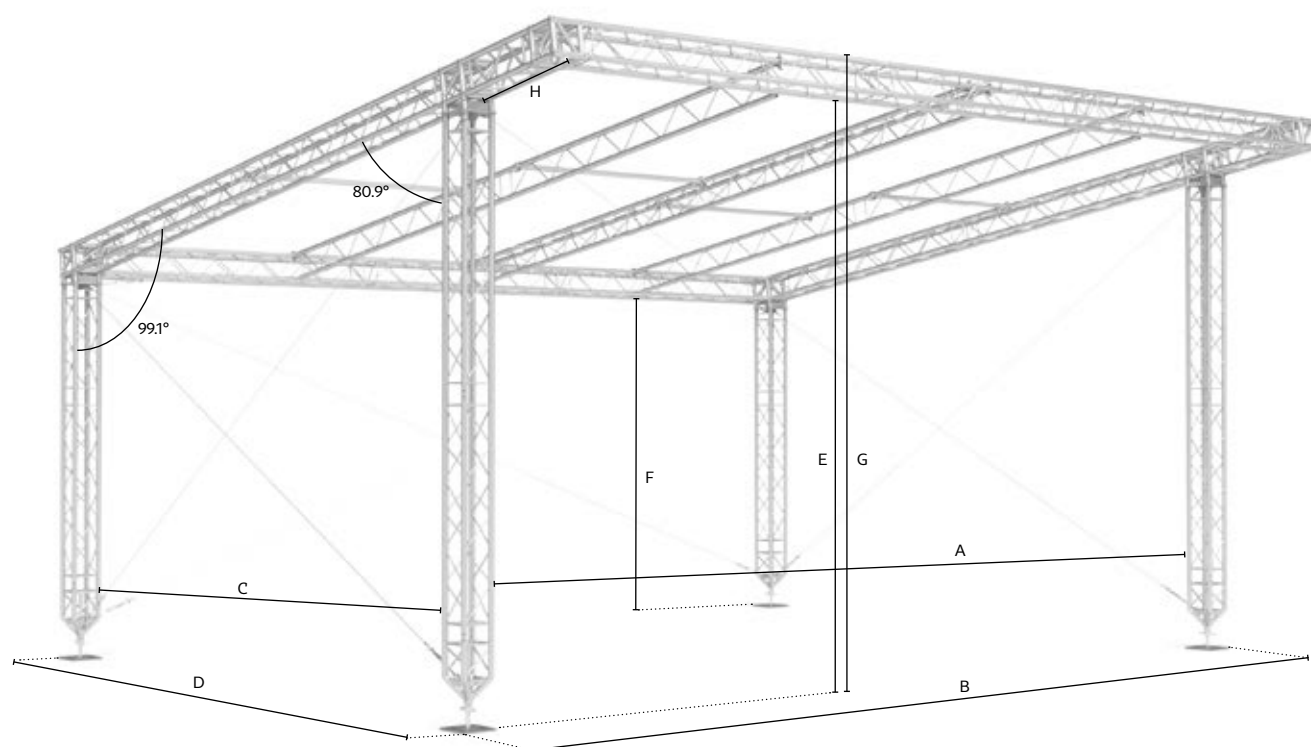
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

MRO sloping roofs

- 6×4 m (19.70×13.10 ft) and 8×6 m (26.25×19.70 ft)
- sloping roof set-up for temporary events
- Heavy-duty M290 Quatro structure with Duo canopy support
- Gentle sloping roof design using special wedges and reinforced multicubes
- Supplied complete with internal wind bracing wires and connection accessories
- Full structural calculation report and build manual available
- Loading capacity up to 3950 kg (8708 lbs)
- PVC roof colour options and side walls available

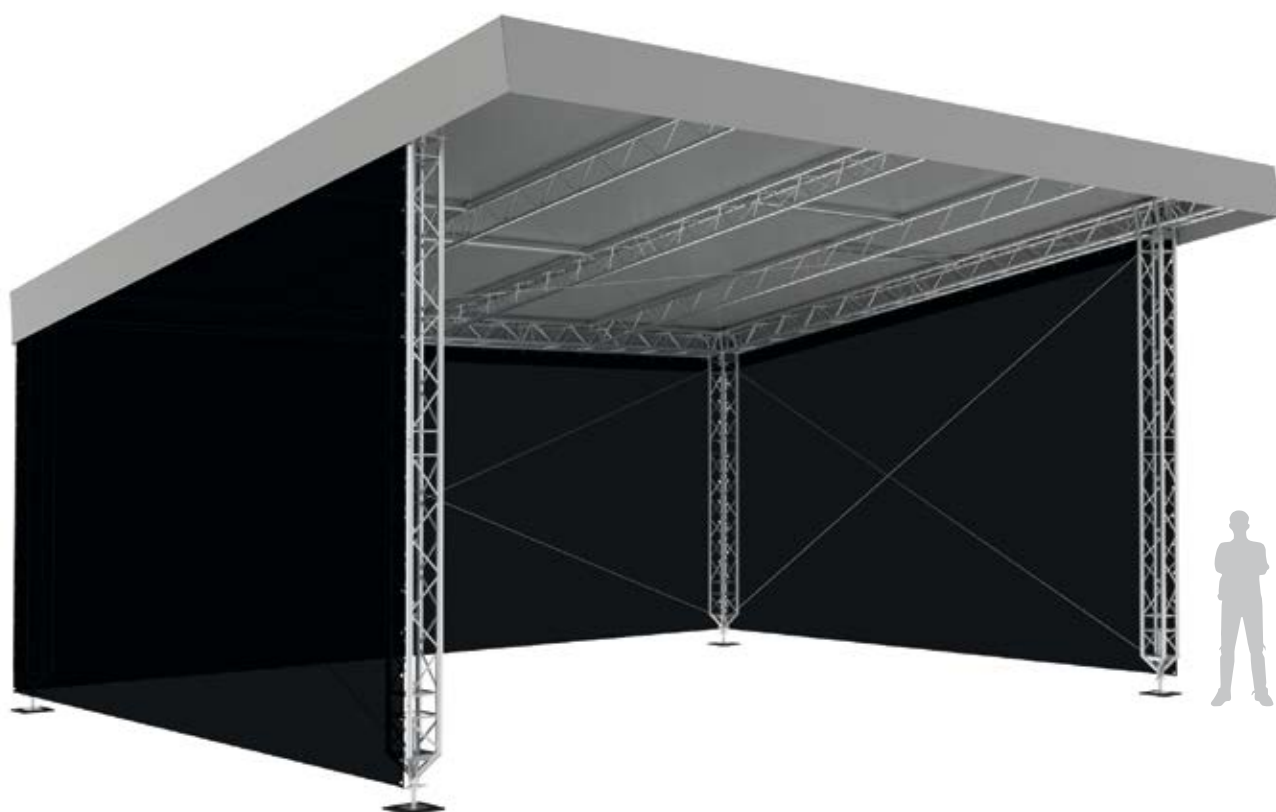


Technical specifications

		Size >	6×4 m	(19.70×13.10 ft)	8×6 m	(26.25×19.70 ft)
Dimensions	A	Internal width	6.50 m	(21.33 ft)	8.50 m	(27.89 ft)
	B	Overall external width	7.10 m	(23.29 ft)	9.10 m	(29.86 ft)
	C	Internal depth	3.95 m	(12.96 ft)	5.92 m	(19.42 ft)
	D	Overall external depth	4.53 m	(14.86 ft)	6.50 m	(21.32 ft)
	E	Front clearance	4.68 m	(15.35 ft)	4.76 m	(15.62 ft)
	F	Back clearance	3.87 m	(12.70 ft)	3.55 m	(11.65 ft)
	G	Overall height	4.97 m	(16.30 ft)	5.48 m	(17.98 ft)
	H	Cantilever depth	0.59 m	(1.94 ft)	1.10 m	(3.60 ft)

Loading capacity

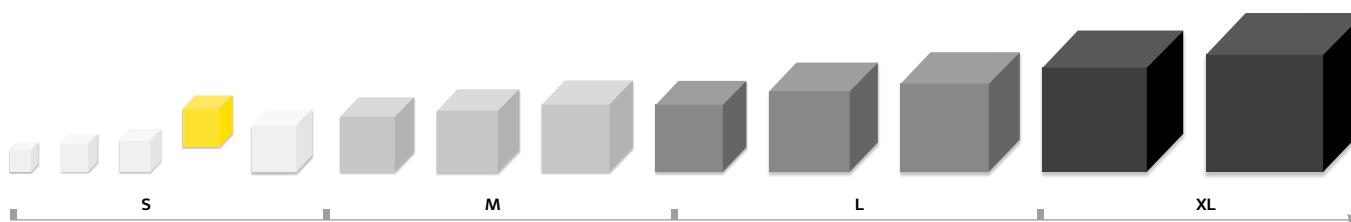
		Size >	6×4 m	(19.70×13.10 ft)	8×6 m	(26.25×19.70 ft)
Loading capacity	Main grid in total		3553 kg	(7833 lbs)	1720 kg	(3791 lbs)
	PA load		400 kg	(800 lbs)	400 kg	(800 lbs)
	Loading Capacity		3953 kg	(8714 lbs)	2120 kg	(4673 lbs)
* See structural report for exact load positioning						



Operational specifications

Design standards	EN 17879	Event structures – Safety requirements
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed)
	* Calculation based on 100% windproof wall claddings	
	* Side claddings and equipment with large areas exposed to wind need to be removed	
	Out of service	28.0 m/s – 100 km/h – 62 mph (max. gust wind speed)
Ballast	Depending on configuration	
Canopy and side walls	B1 fire-retardant canopy on request, single-piece format	
	Silver-grey; other colours or black inner side on request	
	B1 fire-retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

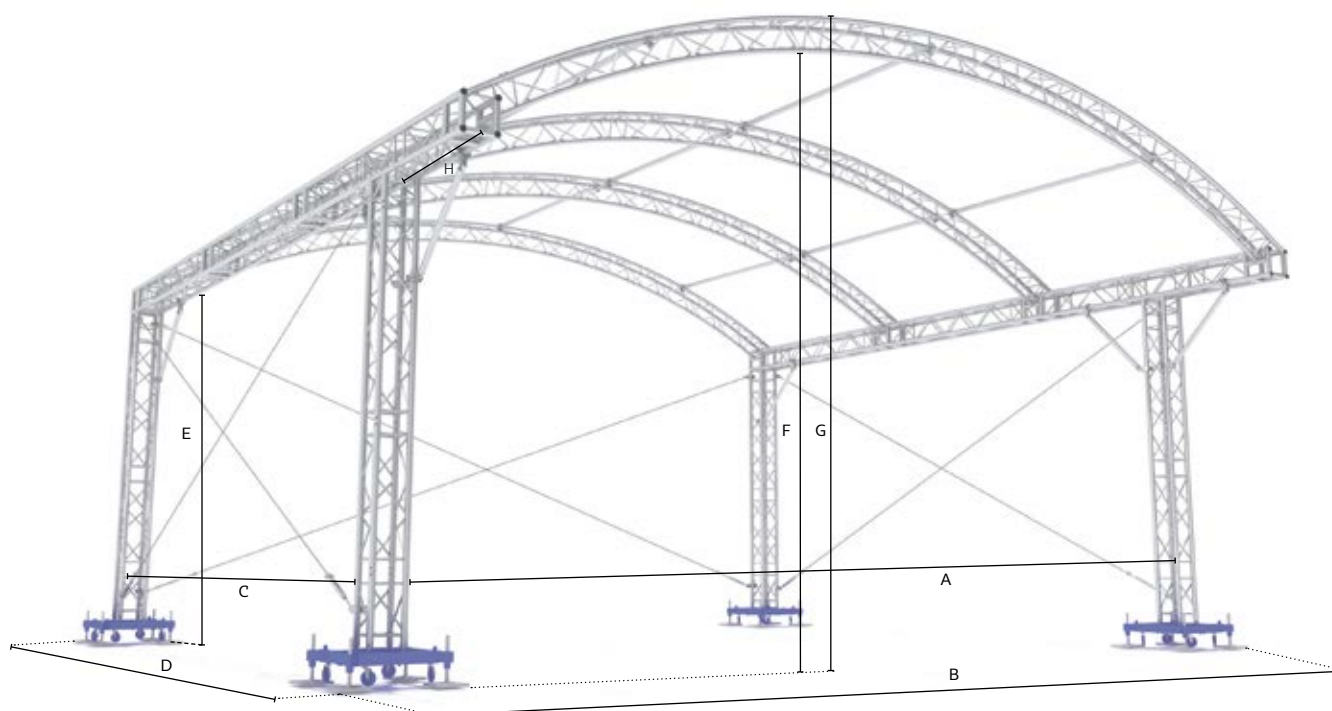
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

MR1 arched roofs

- 6×4 m (19.70×13.10 ft) and 8×6 m (26.25×19.70 ft) arched roof set-up for temporary events
- Heavy-duty M290 Quatro structure with Trio arches
- Loading capacity up to 4006 kg (8831 lbs)
- Supplied complete with internal wind bracing wires and connection accessories
- Fast connection for quick, simple and secure assembly
- Full structural calculation report and build manual available
- PVC roof colour and side wall options

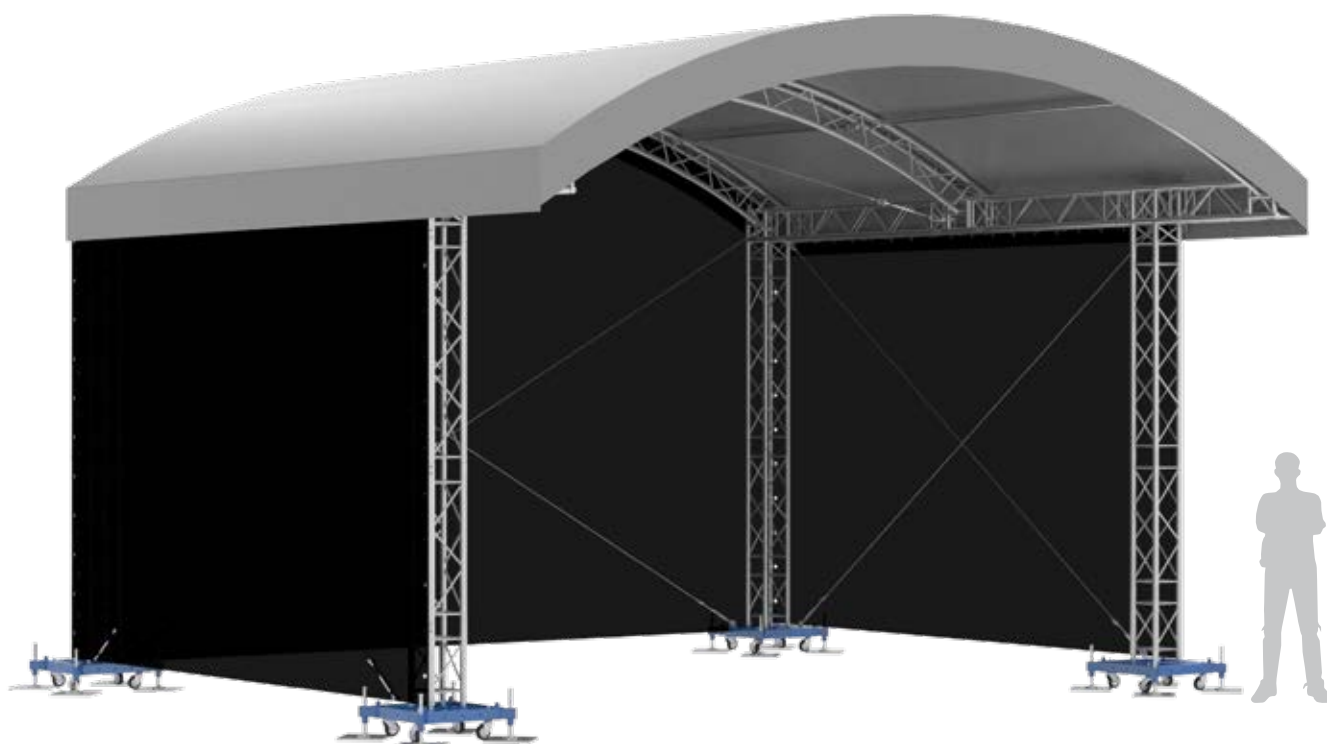


Technical specifications

		Size >	6×4 m	(19.70×13.10 ft)	8×6 m	(26.25×19.70 ft)
Dimensions	A	Internal width	6.00 m	(19.69 ft)	8.00 m	(26.25 ft)
	B	Overall external width	7.06 m	(23.16 ft)	9.06 m	(29.72 ft)
	C	Internal depth	4.40 m	(14.44 ft)	6.40 m	(20.99 ft)
	D	Overall external depth	5.43 m	(17.81 ft)	7.48 m	(24.54 ft)
	E	Side clearance	3.43 m	(11.26 ft)	3.43 m	(11.26 ft)
	F	Middle clearance	4.42 m	(14.50 ft)	4.69 m	(15.39 ft)
	G	Overall height	4.68 m	(15.36 ft)	4.95 m	(16.24 ft)
	H	Cantilever depth	1.21 m	(3.97 ft)	1.21 m	(3.97 ft)

Loading capacity

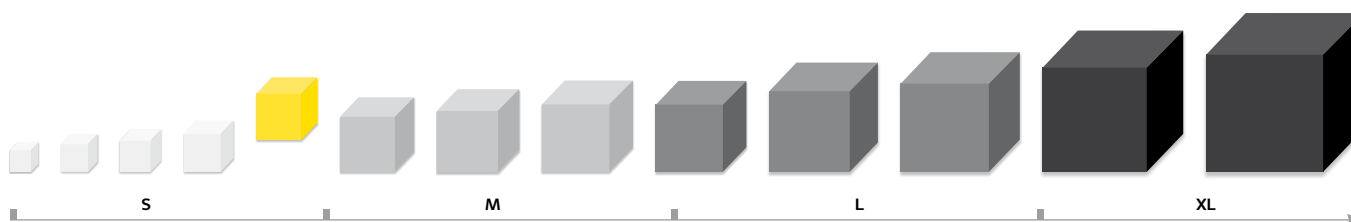
Loading capacity	Size >	6×4 m	(19.70×13.10 ft)	8×6 m	(26.25×19.70 ft)
	Main grid in total	2171 kg	(4786 lbs)	3406 kg	(7509 lbs)
	PA load	600 kg	(1322 lbs)	600 kg	(1322 lbs)
	Loading capacity	2771 kg	(6109 lbs)	4006 kg	(8831 lbs)
	* See structural report for exact load positioning				



Operational specifications

Design standards	EN 17879	Event structures – Safety requirements
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed)
	* Calculation based on 100% windproof wall claddings	
	* Side claddings and equipment with large areas exposed to wind need to be removed	
	Out of service	28.0 m/s – 100 km/h – 62 mph (max. gust wind speed)
Ballast	Depending on configuration	
Canopy and side walls	B1 fire-retardant canopy on request, single-piece format or keder profiles on request	
	Silver-grey; other colours or black inner side on request	
	B1 fire-retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

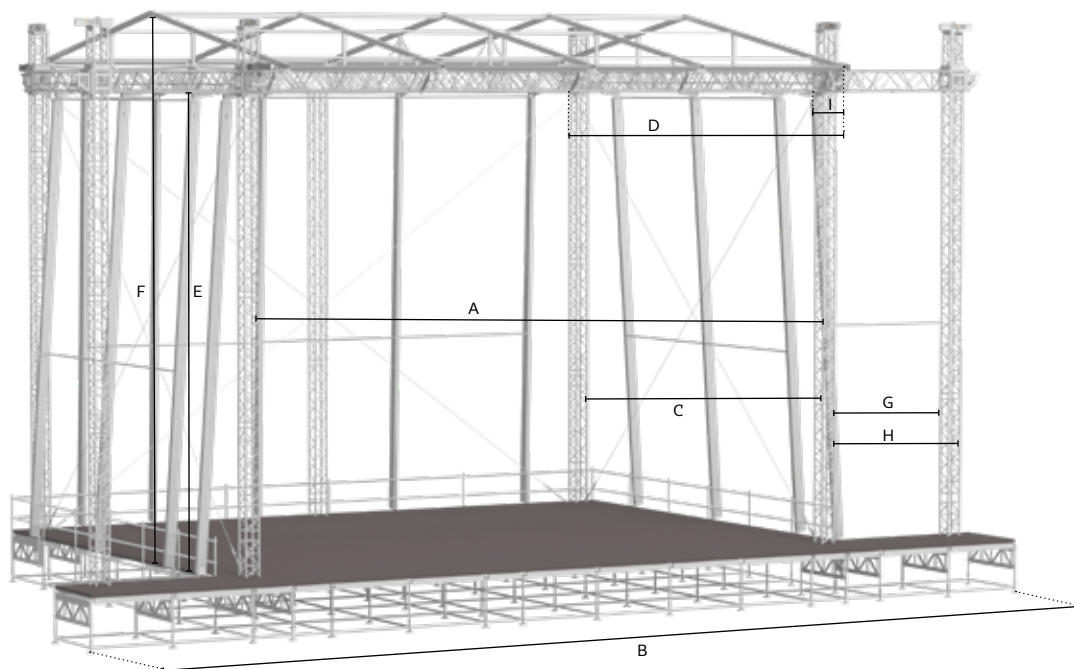
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

MR2K keder roofs

- Keder roof structure for temporary events
- Roof top framework can be used with existing ground support inventory
- MT1 Towers with horizontal M390 grid for maximum production rigging
- MT2 Tower with horizontal M520 grid for higher loading also available
- Loading capacity up to 13 t (28660 lbs) with 15×12 m (49.21×39.37 ft) stage configuration
- Low-profile keder roof construction for ease of canopy installation
- Additional rear tower for LED support using back stage beams
- Can be operated with manual or electric chain hoist (bracket required)
- Supplied complete with internal wind bracing wires and connection accessories
- Full structural calculation report and build manual available
- PVC roof colour and side wall (mesh or solid) options
- Integrated tower base / stage components available
- PA wings options available on request



Technical specifications

		Size >	12×10 m	(39.37×32.81 ft)	15×12 m	(49.21×39.37 ft)
Dimensions	A	Internal width	12.26 m	(40.22 ft)	15.31 m	(50.23 ft)
	B	Overall external width	21.14 m	(69.36 ft)	25.15 m	(82.51 ft)
	C	Internal depth	9.23 m	(30.28 ft)	11.73 m	(38.48 ft)
	D	Overall external depth	12.37 m	(40.58 ft)	14.41 m	(47.28 ft)
	E	Clearance	6.29 m	(20.64 ft)	11.00 m	(36.09 ft)
	F	Overall height	7.85 m	(25.75 ft)	13.13 m	(43.08 ft)
	G	PA wing - internal width	3.15 m	(10.33 ft)	3.35 m	(10.99 ft)
	H	PA wing - overall external width	3.44 m	(11.29 ft)	3.74 m	(12.27 ft)
	I	Cantilever depth	1.00 m	(3.28 ft)	1.00 m	(3.28 ft)

Loading capacity

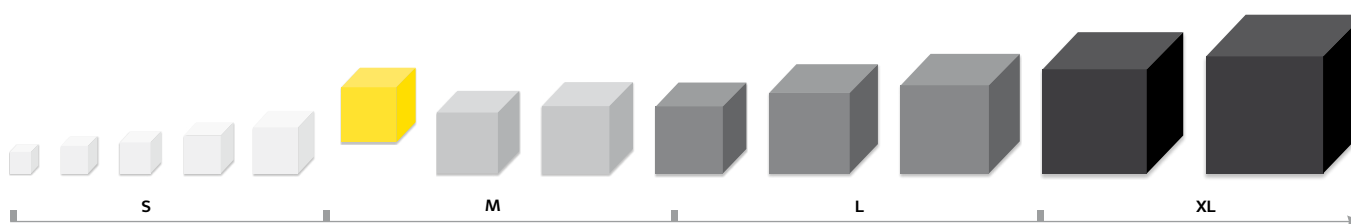
		Size >	12×10 m	(39.37×32.81 ft)	15×12 m	(49.21×39.37 ft)
Loading capacity	Main grid		7000 kg	(15432 lbs)	9100 kg	(20062 lbs)
	Side wings and PA in total		3000 kg	(6614 lbs)	6000 kg	(13227 lbs)
	Loading capacity		10000 kg	(22046 lbs)	15100 kg	(33290 lbs)
* See structural report for exact load positioning						



Operational specifications

Design standards	EN 17879	Event structures - Safety requirements
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed)
	* Calculation based on 100% windproof wall claddings	
	* Side claddings and equipment with large areas exposed to wind need to be removed	
	Out of service	28.8 m/s – 100 km/h – 62 mph (max. gust wind speed)
Ballast	Depending on configuration, side wing, covering, compression beam, guy wires, corner brace, substructure.	
Canopy and side walls	B1 fire-retardant canopy on request, in keders, configurable for various sizes Silver-grey; other colours or black inner side on request B1 fire-retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

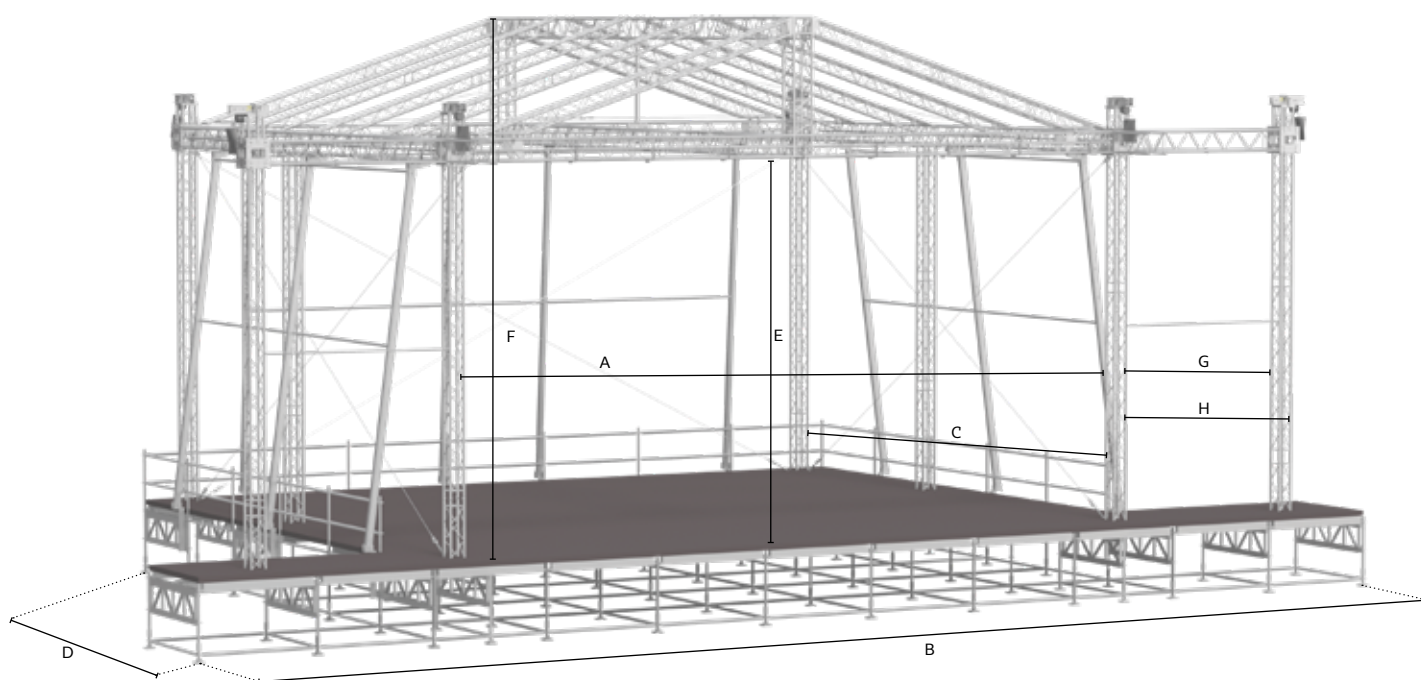
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

MR2 saddle roofs

- MR2 saddle roof structure for temporary events
- MT1 self-climbing towers, 10×8 m (32.80×26.25 ft), 12×10 m (39.37×32.80 ft) options available
- Fast connection for quick, simple and secure assembly
- Loading capacity up to 10.5 t (23148 lbs) with 12×10 m (39.37×32.80 ft) stage configuration
- Can be operated with manual or electric chain hoist (bracket required)
- Supplied complete with internal wind bracing wires and connection accessories
- Full structural calculation report and build manual available
- PVC roof colour and side wall options
- Integrated tower base / stage components available
- PA wings options available on request

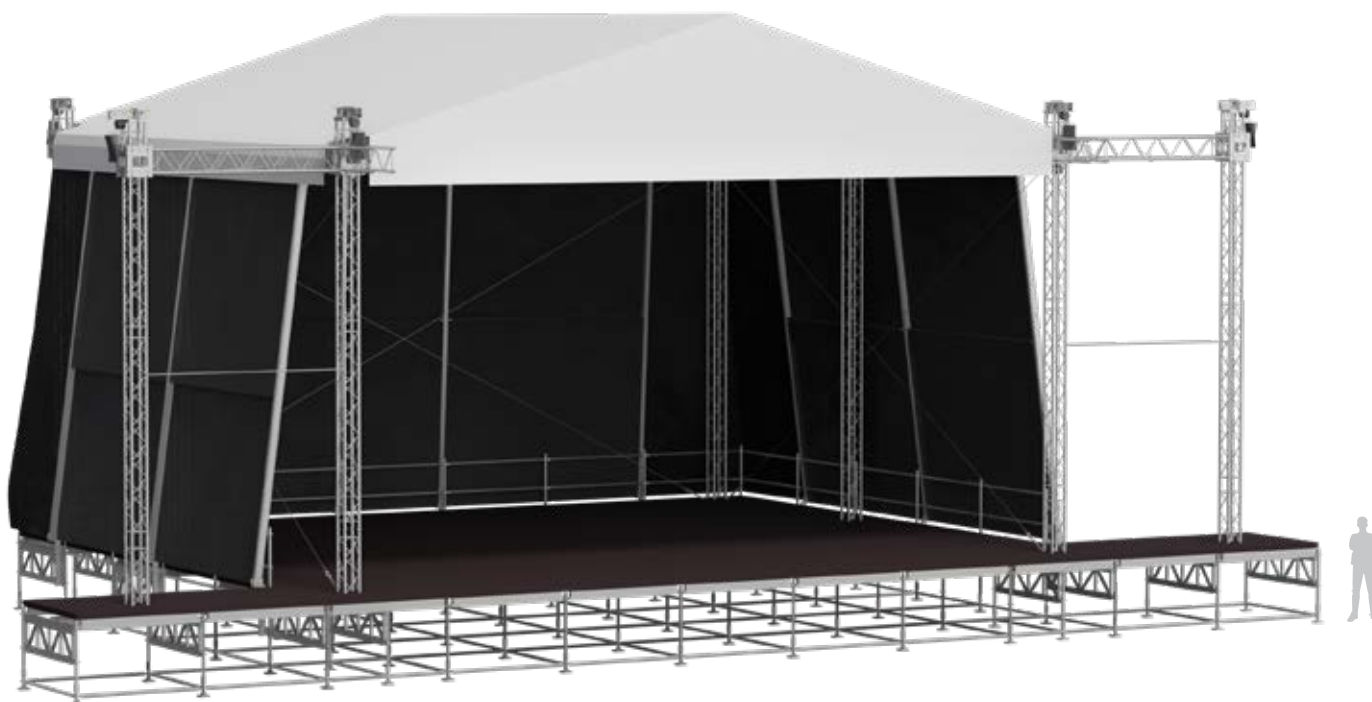


Technical specifications

		Size >	10×8 m	(32.80×26.25 ft)	12×10 m	(39.37×32.80 ft)
Dimensions	A	Internal width	10.42 m	(34.19 ft)	12.30 m	(40.35 ft)
	B	Overall external width	19.64 m	(64.44 ft)	22.15 m	(72.67 ft)
	C	Depth	8.65 m	(28.38 ft)	10.60 m	(34.78 ft)
	D	Overall external depth	10.97 m	(35.99 ft)	12.80 m	(41.99 ft)
	E	Clearance	7.12 m	(23.36 ft)	6.29 m	(20.64 ft)
	F	Overall height	9.14 m	(29.99 ft)	8.64 m	(28.35 ft)
	G	PA wing - internal width	3.15 m	(10.33 ft)	3.15 m	(10.33 ft)
	H	PA wing - overall external width	3.44 m	(11.29 ft)	3.44 m	(11.29 ft)

Loading capacity

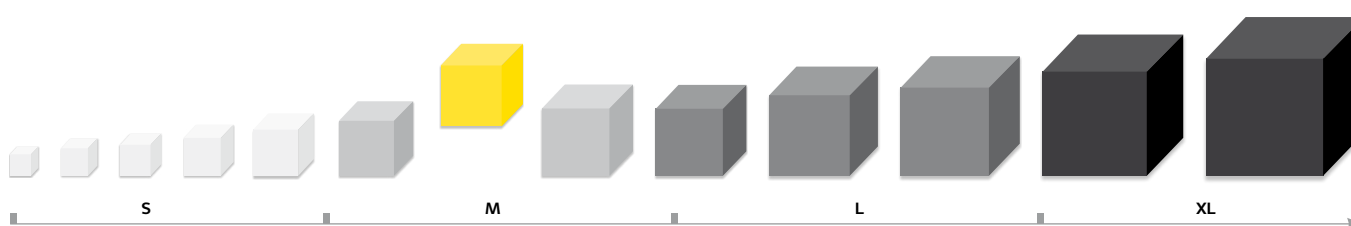
Loading capacity	Size >	10×8 m	(32.80×26.25 ft)	12×10 m	(39.37×32.80 ft)
	Main grid	5000 kg	(11023 lbs)	7500 kg	(16534 lbs)
	Side wings and PA in total	3000 kg	(6614 lbs)	3000 kg	(6614 lbs)
	Loading capacity	8000 kg	(17637 lbs)	10500 kg	(23148 lbs)
	* See structural report for exact load positioning				



Operational specifications

Design standards	EN 17879 EN 1991-1-4 EN 1993 EN 1999	Event structures - Safety requirements Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculation based on 100% windproof wall claddings * Side claddings and equipment with large areas exposed to wind need to be removed Out of service Training recommended	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed) 29.6 m/s – 106 km/h – 66 mph (max. gust wind speed)
Ballast	Depending on configuration, side wing, covering, compression beam, guy wires, corner brace, substructure	
Canopy and side walls	B1 fire-retardant canopy on request, single-piece format or keder profiles Silver-grey; other colours or black inner side on request B1 fire-retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

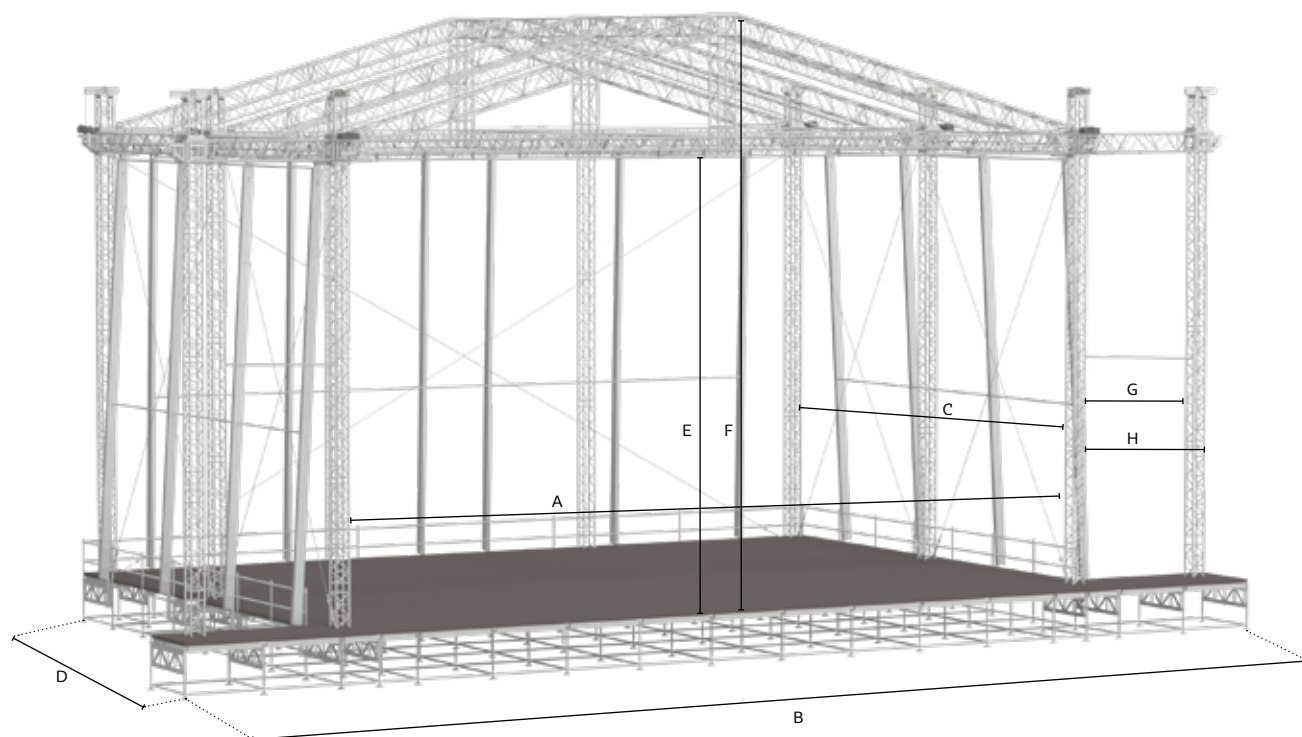
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

MR3 saddle roofs

- MR3 saddle roof structure for temporary events
- MT2 self-climbing towers up to 12.5 m high (41.01 ft) with M520 main grid
- Various standard sizes and optional front cantilever available
- Loading capacity up to 15 t (33069 lbs) with 16×14 m (52.49×45.93 ft) stage configuration
- Fast connection for quick, simple and secure assembly
- Supplied complete with internal wind bracing wires and connection accessories
- Full structural calculation report and build manual available
- PVC roof colour and side wall options
- Integrated tower base / stage components available
- PA wings options available on request



Technical specifications

		Size >	16×14 m (52.49×45.93 ft)	20×14 m (65.62×45.93 ft)
Dimensions	A	Internal width	16.53 m (54.23 ft)	20.53 m (67.34 ft)
	B	Overall external width	26.00 m (85.30 ft)	30.00 m (98.43 ft)
	C	Internal depth	14.03 m (46.03 ft)	14.03 m (46.03 ft)
	D	Overall external depth	16.40 m (53.81 ft)	16.40 m (53.81 ft)
	E	Clearance	11.09 m (36.38 ft)	11.09 m (36.38 ft)
	F	Overall height	16.00 m (52.49 ft)	16.00 m (52.49 ft)
	G	PA wing - internal width	3.35 m (10.99 ft)	3.35 m (10.99 ft)
	H	PA wing - overall external width	3.75 m (12.30 ft)	3.75 m (12.30 ft)

Loading capacity

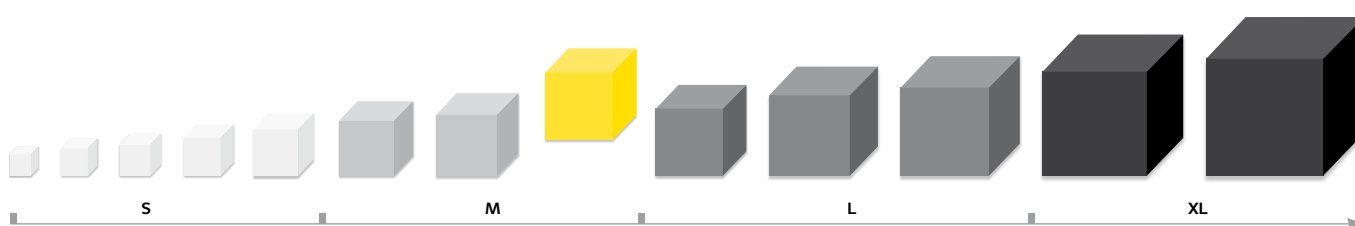
Loading capacity	Size >	16×14 m (52.49×45.93 ft)	20×14 m (65.62×45.93 ft)
	Main grid	20000 kg (44092 lbs)	20000 kg (44092 lbs)
	Side wings and PA in total	4000 kg (8818 lbs)	4000 kg (8818 lbs)
	Loading capacity	24000 kg (52910 lbs)	24000 kg (52910 lbs)
	* See structural report for exact load positioning		



Operational specifications

Design standards	EN 17879 EN 1991-1-4 EN 1993 EN 1999	Event structures – Safety requirements Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculation based on 100% windproof wall claddings * Side claddings and equipment with large areas exposed to wind need to be removed Out of service Training recommended	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed) 27.5 m/s – 100 km/h – 62 mph (max. gust wind speed)
Ballast	Depending on configuration, side wing, covering, compression beam, guy wires, corner brace, substructure	
Canopy & sidewalls	B1 fire-retardant canopy on request, keder profiles optional Silver-grey; other colours or black inner side on request B1 fire-retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

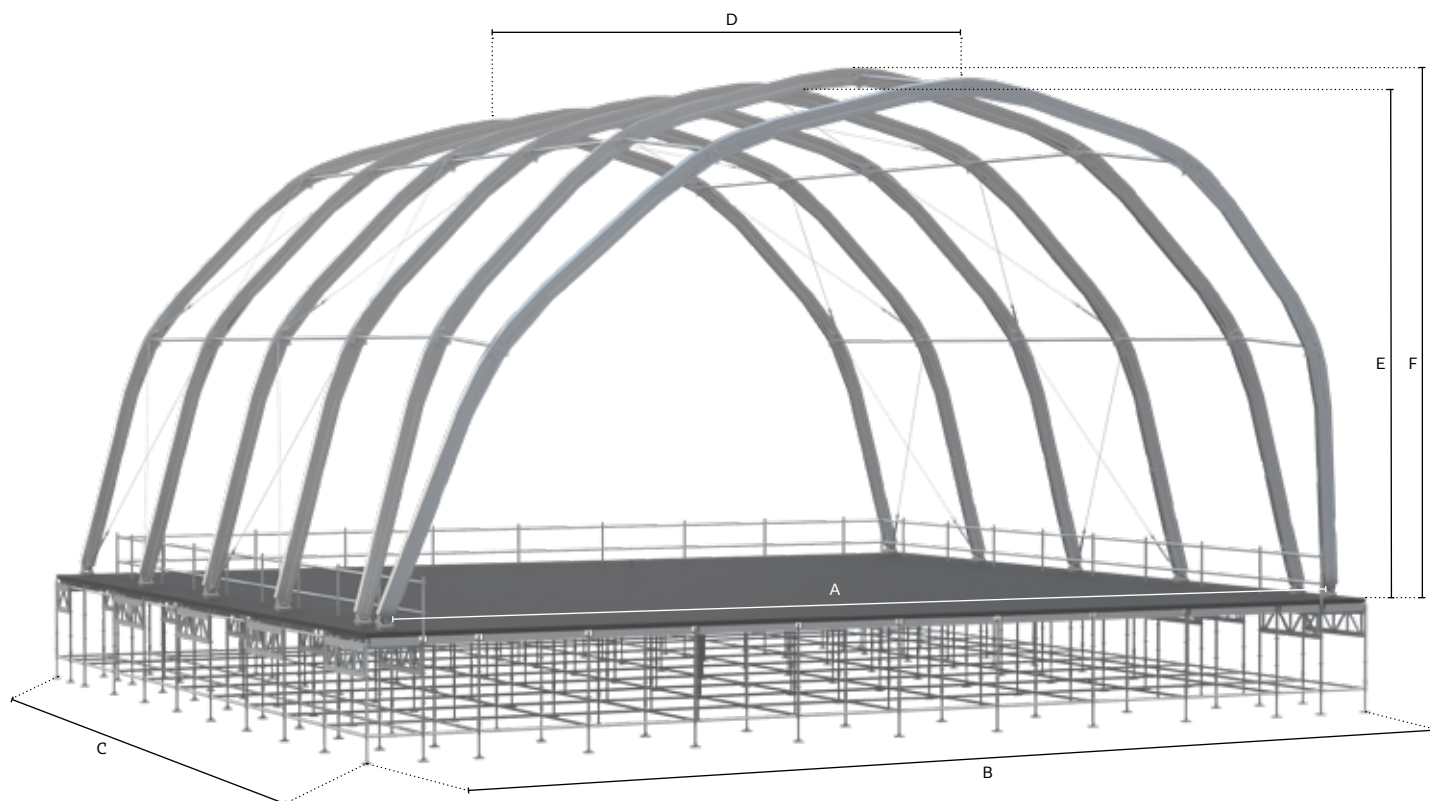
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

I-MR4 Invisible roof

- 19×18 m (62×59 ft) or 14×12 m (46×39 ft) aluminium keder arched roof
- Endless depth option by adding more keder arches
- 19 m (62 ft) span and clearance height of 9.5 m (31 ft) with 19×18 m
- Loading capacity of up to 5 t (11023 lbs) per arch (19×18 m)
- Standard configuration can support 30 t (66138 lbs)
- Quick and simple assembly with universal parts
- Transparent or solid canopy options available
- Easy logistics with special transport frames



Technical specifications

		Size >	14×12 m	(45.93×39.37 ft)	19×18 m	(62.33×59.05 ft)
Dimensions	A	Internal width	13.75 m	(44.11 ft)	18.73 m	(61.45 ft)
	B	Overall external width	15.20 m	(49.87 ft)	20.20 m	(66.27 ft)
	C	Depth	10.50 m	(34.45 ft)	17.50 m	(57.41 ft)
	D	Overall external depth	12.65 m	(41.50 ft)	20.65 m	(67.75 ft)
	E	Clearance	7.05 m	(23.13 ft)	9.50 m	(31.16 ft)
	F	Overall height	7.30 m	(23.95 ft)	9.80 m	(32.15 ft)

Loading capacity

		Size >	14×12 m	(45.93×32.80 ft)	19×18 m	(62.33×59.05 ft)
Loading capacity	Each arch		5×900 kg	(5×1984.16 lbs)	5×1000 kg	(5×2204.63 lbs)
	Main grid in total		27000 kg	(59523 lbs)	30000 kg	(66137.00 lbs)
	* See structural report for exact load positioning					



Use QR code
for video

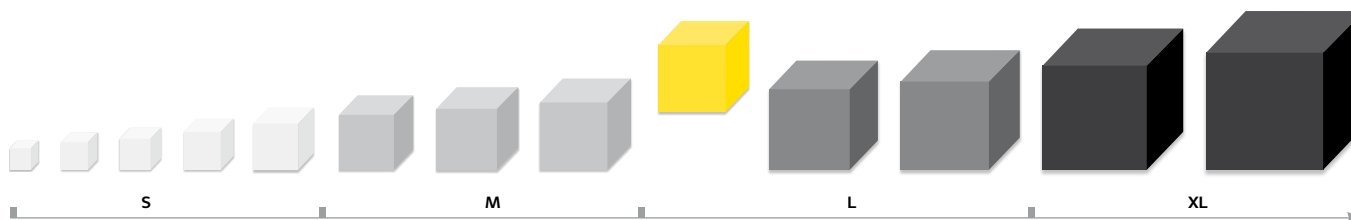


Scaffolding substructure is for visualisation only.
Bracing and ballast depend on the requested configuration.

Operational specifications

Design standards	EN 17879 EN 1991-1-4 EN 1993 EN 1999	Event structures – Safety requirements Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	The operation must be stopped at 15 m/s, so that removing the wall covers, LED-wall and PA is finished when the windspeed is 17.8 m/s. The out of service windspeed is 27.5 m/s Training recommended	
Ballast	Depending on configuration, side wing, covering, substructure	
Canopy and side walls	B1 fire-retardant canopy, in keders, configurable for different sizes on request Silver-grey; other colours or black inner side on request B1 fire-retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. alternative dimensions, roof adjustability) on request	

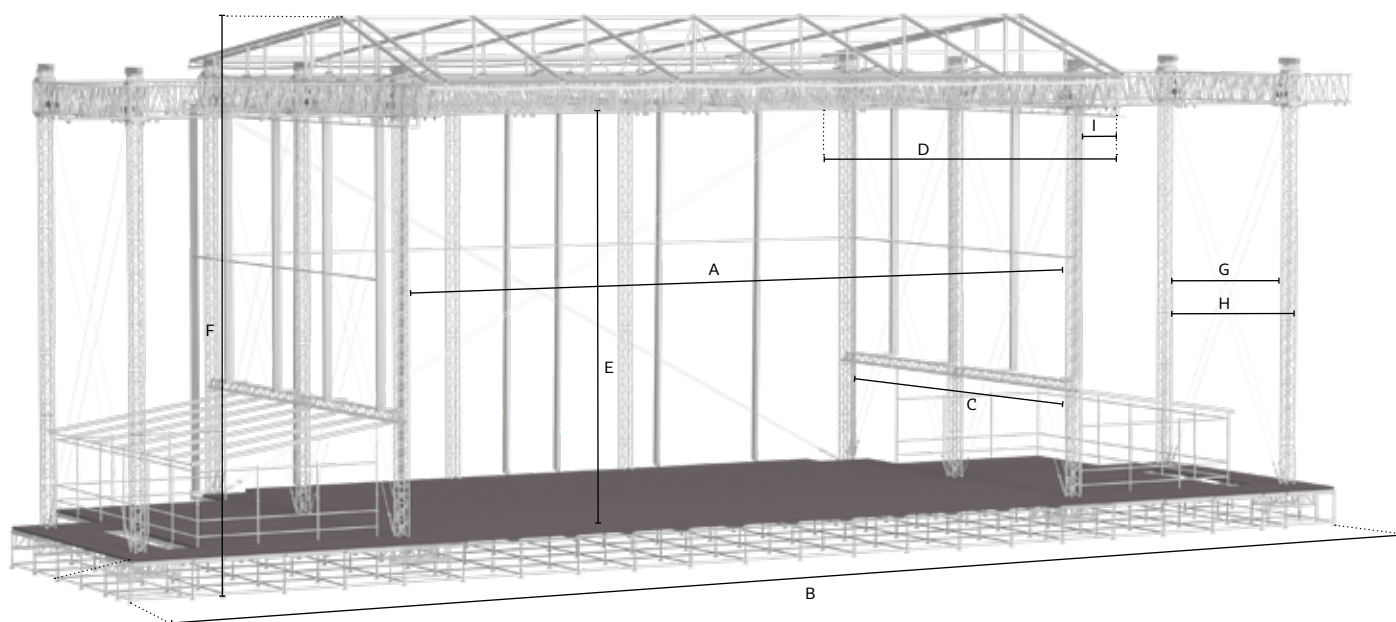
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

MR5 pitched roofs

- MR5 pitched roof for temporary events
- Standard or Arnold version for max. loading capacity
- MT2 self-climbing towers with M950 main grid
- Convenient backstage area integration with main structure
- Loading capacity up to 36 t (79366 lbs) with 24×14 m (78.74×45.93 ft)
- Full structural calculation report and build manual on request
- Covered backstage areas on sides as an option
- Wind bracing wires and connection accessories included
- Range of coloured PVC roof options available
- Integrated tower base / stage components available
- Side wings options available on request

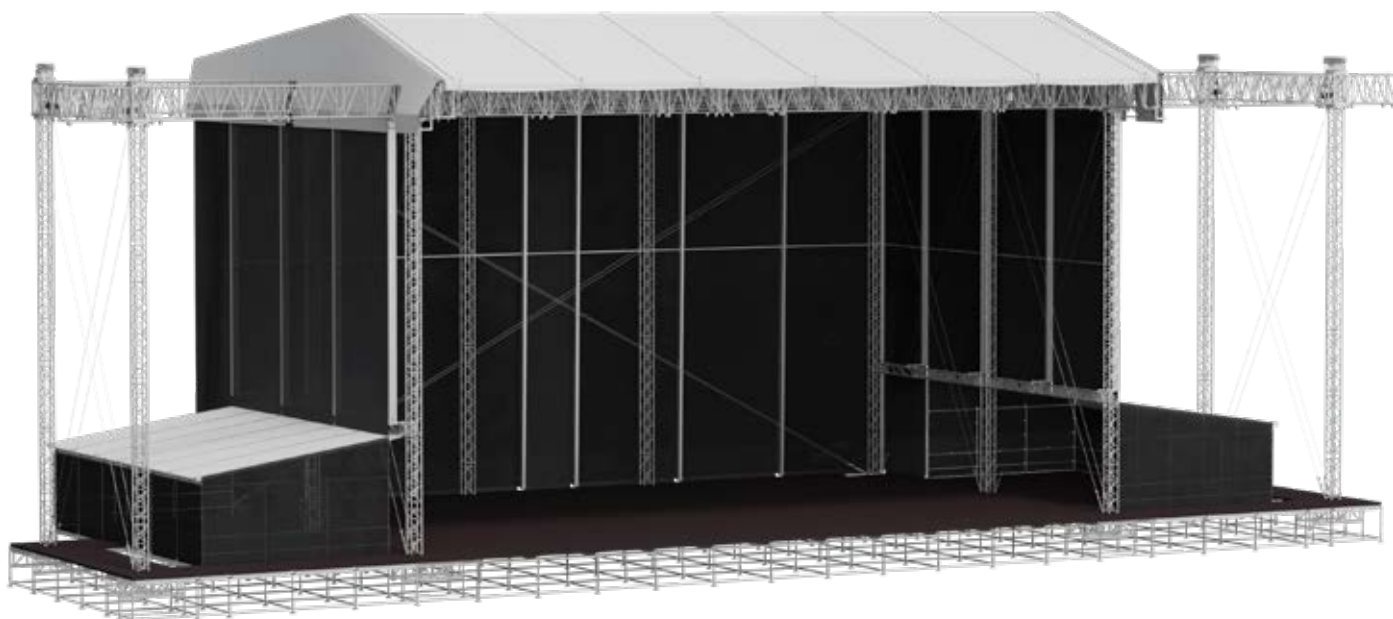


Technical specifications

		Size >	20×14 m	(65.62×45.93 ft)	24×14 m	(78.74×45.93 ft)
Dimensions	A	Internal width	20.37 m	(66.83 ft)	24.37 m	(79.95 ft)
	B	Overall external width	43.03 m	(141.17 ft)	47.03 m	(154.30 ft)
	C	Internal depth	14.64 m	(48.03 ft)	14.64 m	(48.03 ft)
	D	Overall external depth	18.78 m	(61.61 ft)	18.78 m	(61.61 ft)
	E	Clearance	13.14 m	(43.12 ft)	13.14 m	(43.12 ft)
	F	Overall height	16.20 m	(53.15 ft)	16.20 m	(53.15 ft)
	G	PA wing – internal width	8.37 m	(27.46 ft)	8.37 m	(27.46 ft)
	H	PA wing – overall external width	8.76 m	(28.74 ft)	8.76 m	(28.74 ft)
	I	Cantilever depth	2.32 m	(7.61 ft)	2.32 m	(7.61 ft)

Loading capacity

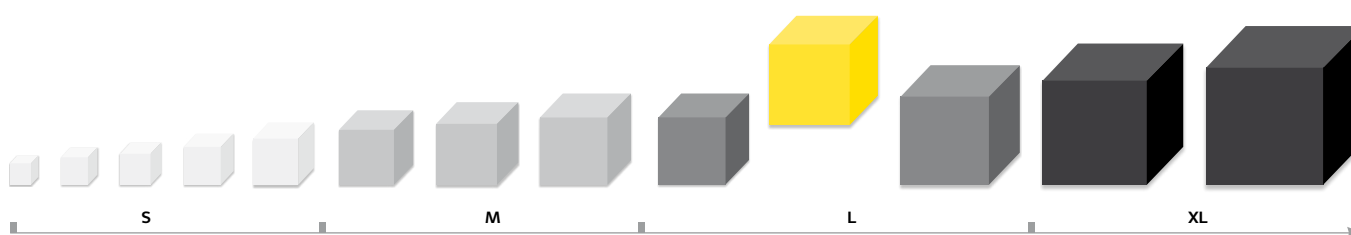
		Size >	20×14 m	(65.62×45.93 ft)	24×14 m	(78.74×45.93 ft)
Loading capacity	Main grid		26000 kg	(57320 lbs)	30000 kg	(66138 lbs)
	Side wings and PA in total		6000 kg	(13228 lbs)	6000 kg	(13228 lbs)
	Loading capacity		32000kg	(70548 lbs)	36000 kg	(79366 lbs)
	* See structural report for exact load positioning					



Operational specifications

Design standards	EN 17879 EN 1991-1-4 EN 1993 EN 1999	Event structures - Safety requirements Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculation based on 100% windproof wall claddings * Side claddings and equipment with large areas exposed to wind need to be removed Out of service Training recommended	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed) 28.3 m/s – 100 km/h – 62 mph (max. gust wind speed)
Ballast	Depending on configuration, side wing, covering, compression beam, guy wires, corner brace, substructure	
Canopy and side walls	B1 fire-retardant canopy, in keders, configurable for different sizes on request Silver-grey; other colours or black inner side on request B1 fire-retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

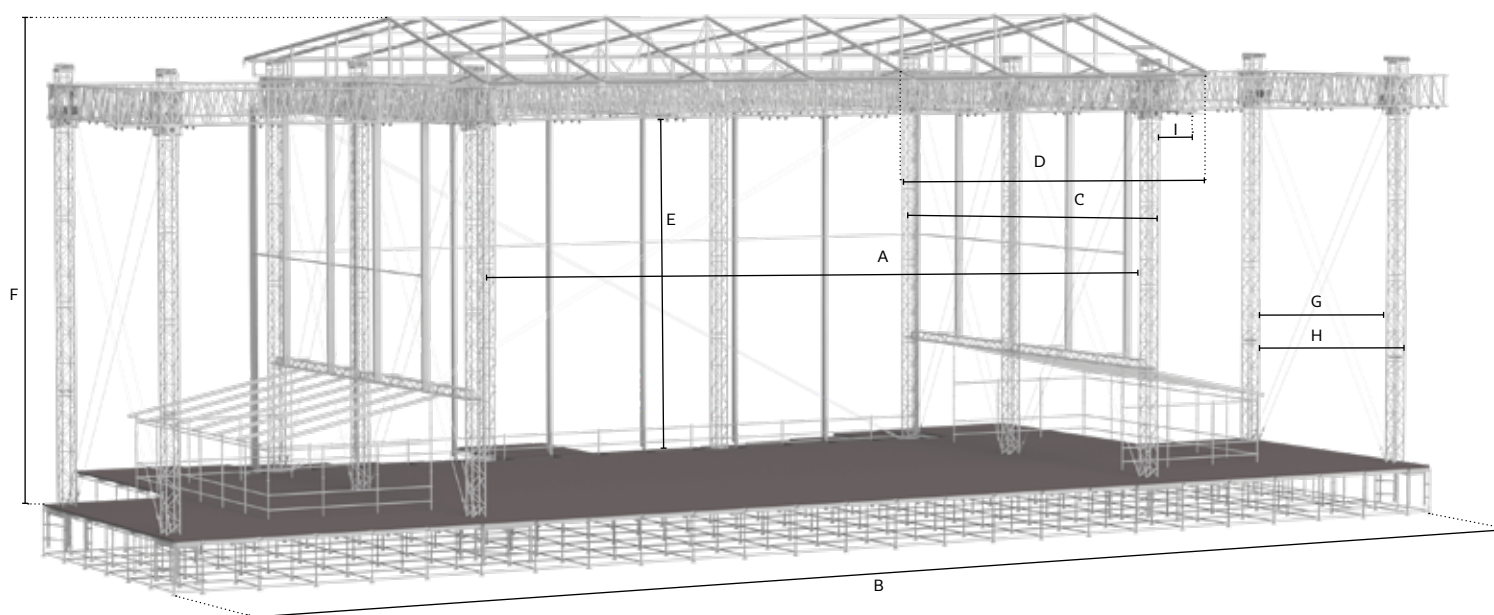
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

MR6 pitched roof

- MR6 large-scale pitched roof structure
- Dimensions 26×16 m (85×52 ft) or 30×16 m (98×52 ft)
- Loading capacity up to 55.5 t (122356 lbs) with 26×16 m (85×52 ft) configuration
- Clearance height 13.3 m (43.63 ft)
- Main grid constructed of 5 spans of M1200 RTR truss
- Rear and side walls from keder profiles for easy canopy installation
- Range of PVC colours and options available covered backstage areas on sides as an option
- Side wings options available on request

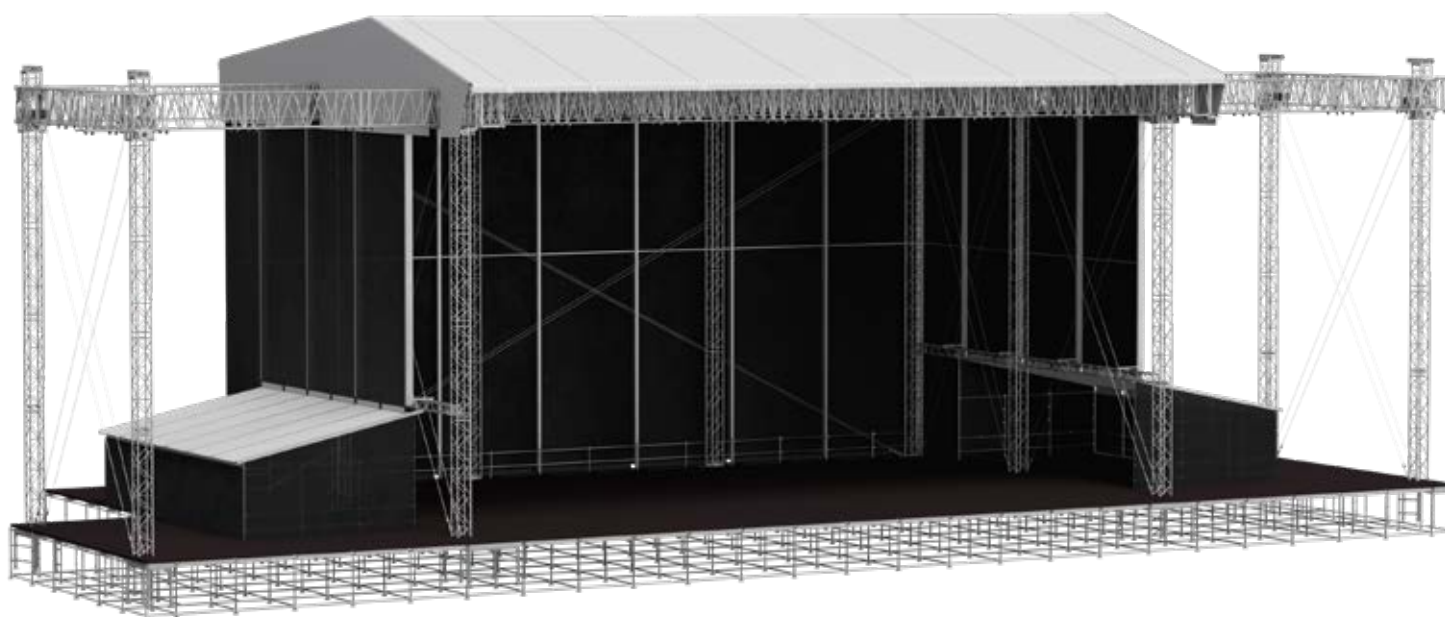


Technical specifications

		Size ›	26×16 m (85.30×52.49)	30×16 m (98.43×52.49 ft)
Dimensions	A	Internal width	26.47 m (86.84 ft)	30.47 m (99.97 ft)
	B	Overall external width	53.00 m (173.88 ft)	57.00 m (187.01 ft)
	C	Depth	17.70 m (58.07 ft)	17.70 m (58.07 ft)
	D	Overall external depth	20.70 m (67.91 ft)	20.70 m (67.91 ft)
	E	Clearance	13.30 m (43.63 ft)	13.30 m (43.64 ft)
	F	Overall height	16.70 m (54.79 ft)	16.70 m (54.79 ft)
	G	PA wing – internal width	10.47 m (34.35 ft)	10.47 m (34.35 ft)
	H	PA wing – overall external width	11.00 m (36.09 ft)	11.00 m (326.09 ft)
	I	Cantilever depth	2.40 m (7.87 ft)	2.40 m (7.87 ft)

Loading capacity

		Size ›	26×16 m (85.30×52.49 ft)	30×16 m (98.43×52.49 ft)
Loading capacity	Main grid		31500 kg (69446 lbs)	25000 kg (55115 lbs)
	Side wings and PA in total		24000 kg (52910 lbs)	24000 kg (52910 lbs)
	Loading capacity		55500 kg (122356 lbs)	49000 kg (108026 lbs)
* See structural report for exact load positioning				

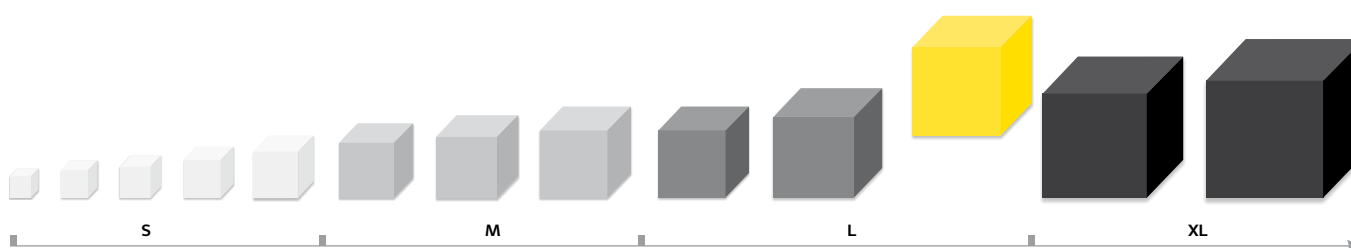


Scaffolding substructure is for visualisation only.
Bracing and ballast depend on the requested configuration.

Operational specifications

Design standards	EN 17879 EN 1991-1-4 EN 1993 EN 1999	Event structures – Safety requirements Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculation based on 100% windproof wall claddings * Side claddings and equipment with large areas exposed to wind need to be removed Out of service Training recommended	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed) 28.3 m/s – 100 km/h – 62 mph (max. gust wind speed)
Ballast	Depending on configuration, side wing, covering, compression beam, guy wires, corner brace, substructure.	
Canopy and side walls	B1 fire-retardant canopy, in keders, configurable for different sizes on request Silver-grey; other colours or black inner side on request B1 fire-retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

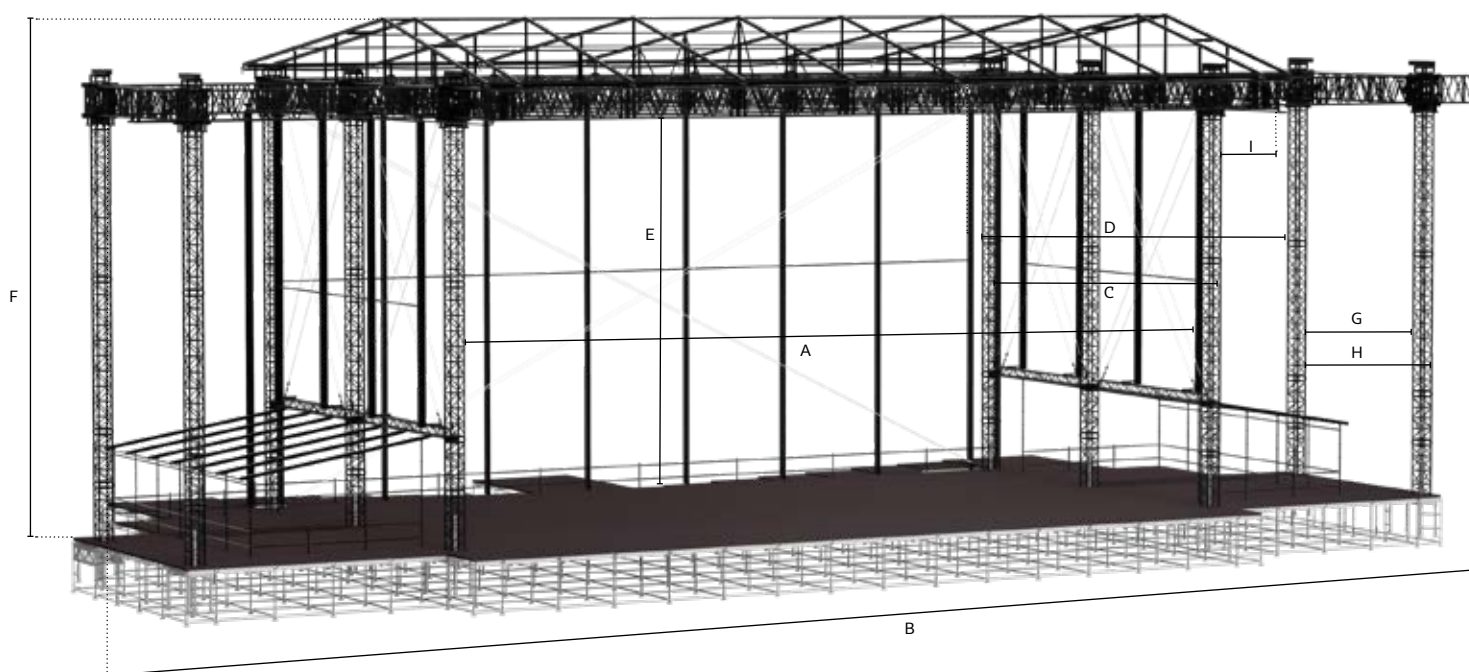
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

S-MR10 steel roof

- Constructed from ultra-high-strength steel
- Unique locking system with capacity of 45 t per tower
- Steel head section with aluminium wheels and heavy-duty bearings
- Dimensions 28×19 m (92×62 ft) or 32×19 m (105×62 ft)
- Loading capacity up to 68 t (149914 lbs) for 28×19 m version
- Durable industrial black paint finish as standard on all trusses
- Towers with integrated ladder for easy climbing
- Canopy tensioning system for roof top canopies
- Keder profiles for secure attachment of canopies
- Covered backstage areas on sides as an option
- Side wings options available on request

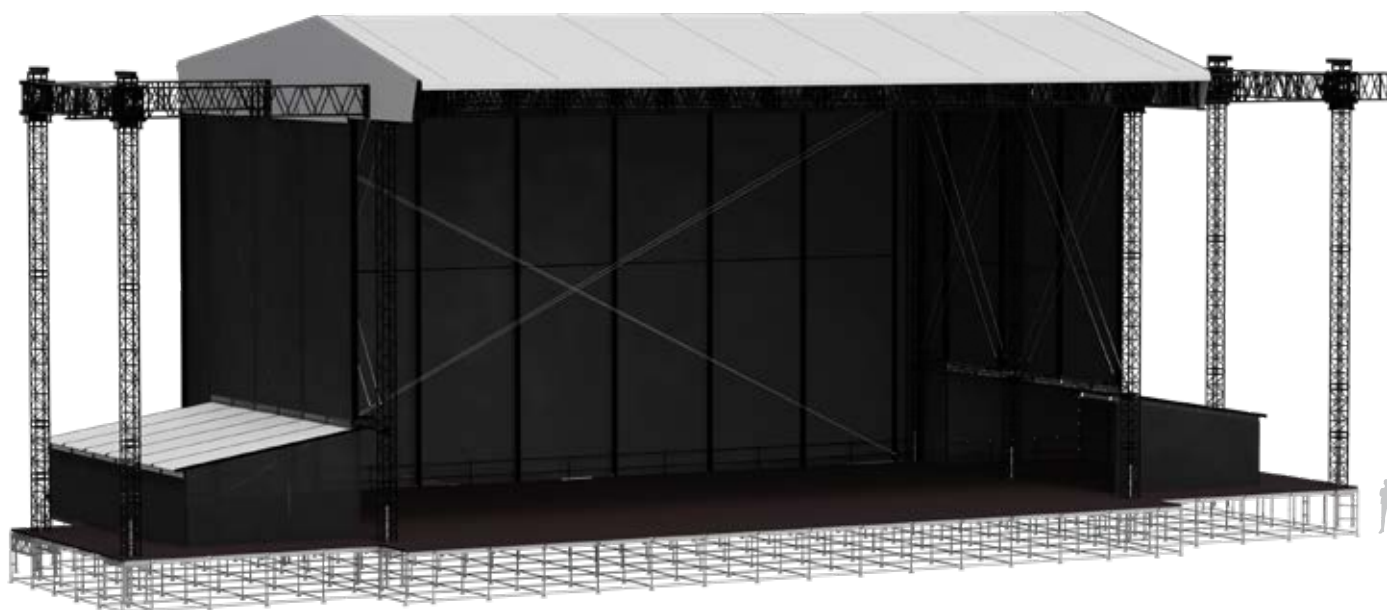


Technical specifications

		Size >	28×19 m (91.86×62.33 ft)	32×19 m (104.99×62.33 ft)
Dimensions	A	Internal width	28.50 m (93.50 ft)	28.80 m (94.50 ft)
	B	Overall external width	51.10 m (167.65 ft)	51.40 m (168.65 ft)
	C	Depth	15.80 m (51.83 ft)	15.80 m (51.84 ft)
	D	Overall external depth	20.30 m (66.60 ft)	20.30 m (66.60 ft)
	E	Clearance	13.90 m (45.60 ft)	13.90 m (45.60 ft)
	F	Overall height	17.30 m (56.76 ft)	17.30 m (56.76 ft)
	G	PA wing – internal width	8.47 m (27.79 ft)	8.47 m (27.79 ft)
	H	PA wing – overall external width	9.00 m (29.53 ft)	9.00 m (29.53 ft)
	I	Cantilever depth	3.50 m (11.48 ft)	3.50 m (11.48 ft)

Loading capacity

Loading capacity	Size ›	28×19 m	(91.86×62.33 ft)	32×19 m	(104.99×62.33 ft)
	Main grid	50000 kg	(110228 lbs)	40000 kg	(88182 lbs)
	Side wings and PA in total	18000 kg	(39682 lbs)	18000 kg	(39682 lbs)
	Loading capacity	68000 kg	(149914 lbs)	58000 kg	(127868 lbs)
	* See structural report for exact load positioning				

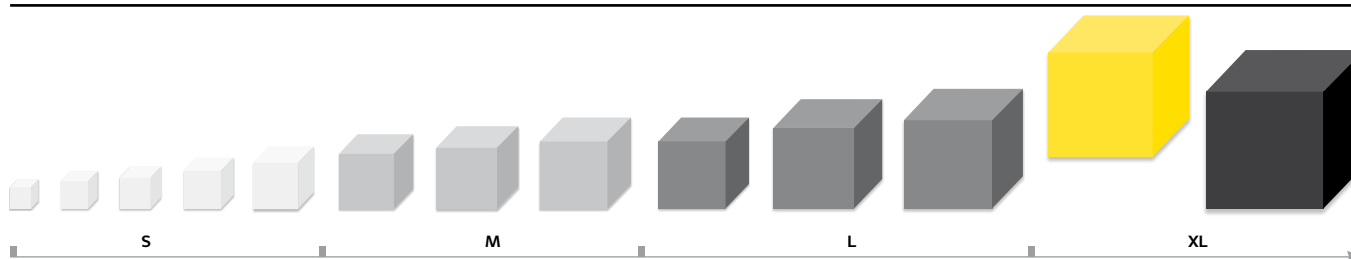


Scaffolding substructure is for visualisation only.
Bracing and ballast depend on the requested configuration.

Operational specifications

Design standards	EN 17879	Event structures – Safety requirements
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed)
	* Calculation based on 100% windproof cladding on rear wall, side walls and side wing fronts	
	Out of service	28 m/s – 100 km/h – 62 mph (max. gust wind speed)
	*Cladding on side walls and rear wall must be dismantled; the upper half of the side wing fronts can remain covered (e.g. by LED screens)	
Ballast	Depending on configuration, side wing, covering, compression beam, guy wires, corner brace, substructure	
Canopy and side walls	B1 fire-retardant canvas in keders, configurable for different sizes on request	
	Silver-grey; other colours or black inner side on request	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

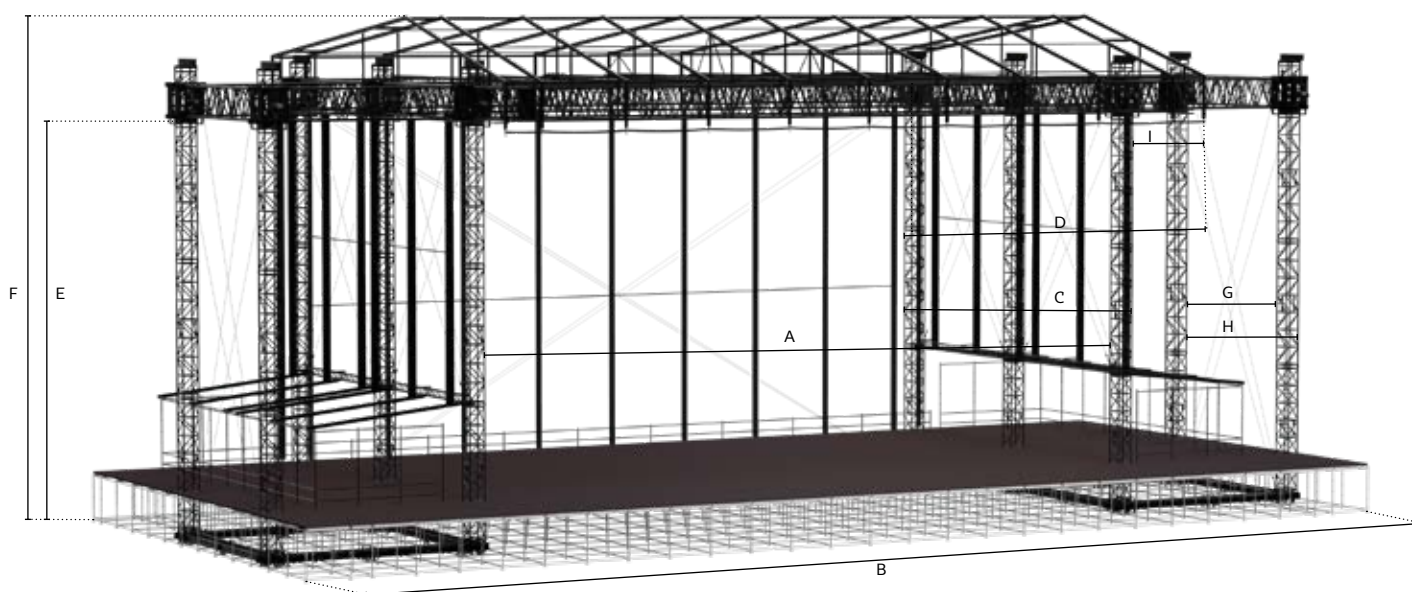
MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

S-MR20 steel roof

- Constructed from ultra-high-strength steel
- Dimensions 32×25 m (105×82 ft) or 24×25 m (78×82 ft)
- Incredible 128 t (282183 lbs) capacity achievable with 24×25 m stage configuration
- Unique locking system with capacity of 45 t per tower
- Integrated steel base with interconnecting towers
- Towers with integrated ladder for easy climbing
- Base with multiple attachment points for steel wires
- Canopy tensioning system for roof top canopies
- Keder profiles for secure attachment of canopies
- Covered backstage areas on sides as an option
- Side wings options available on request

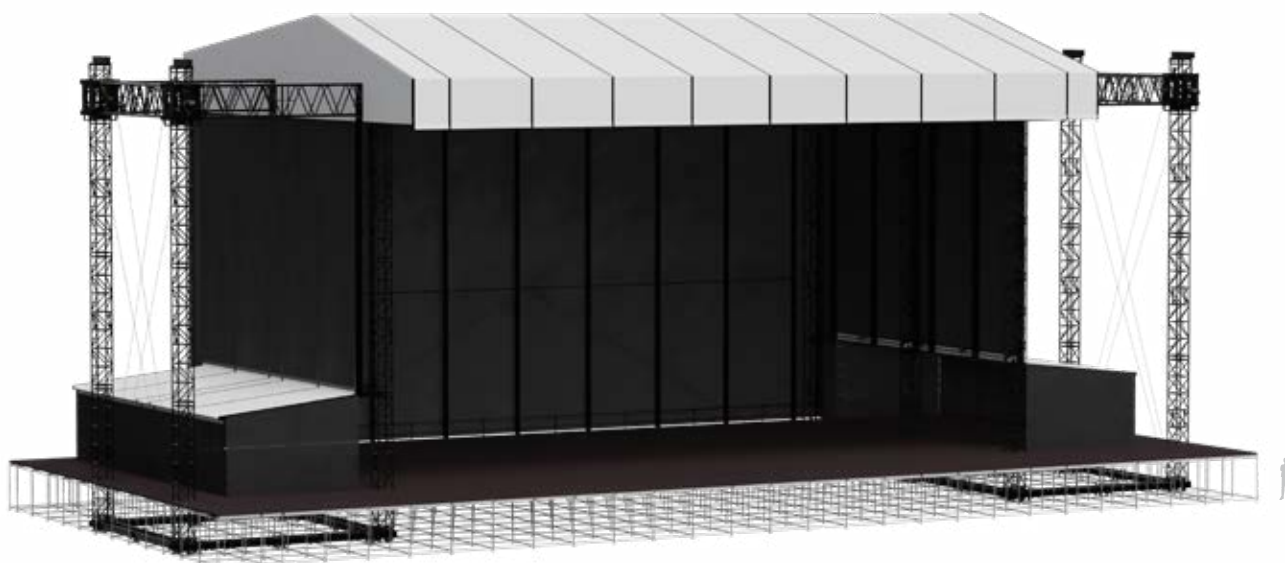


Technical specifications

		Size >	24×25 m	(78.74×82.02 ft)	32×25 m	(104.98×82.02 ft)
Dimensions	A	Internal width	24.70 m	(81.03 ft)	32.70 m	(107.28 ft)
	B	Overall external width	46.10 m	(151.25 ft)	54.10 m	(177.49 ft)
	C	Depth	20.00 m	(65.61 ft)	20.00 m	(65.61 ft)
	D	Overall external depth	25.55 m	(83.83 ft)	25.55 m	(83.83 ft)
	E	Clearance	18.40 m	(60.36 ft)	18.40 m	(60.36 ft)
	F	Overall height	23.30 m	(76.44 ft)	23.30 m	(76.44 ft)
	G	PA wing – internal width	8.72 m	(28.61 ft)	8.72 m	(28.61 ft)
	H	PA wing – overall external width	9.50 m	(31.17 ft)	9.50 m	(31.17 ft)
	I	Cantilever depth	4.50 m	(14.76 ft)	4.50 m	(14.76 ft)

Loading capacity

		Size >	24×25 m	(78.74×82.02 ft)	32×25 m	(104.98×82.02 ft)
Loading capacity	Main grid		100000 kg	(220456 lbs)	60000 kg	(132273 lbs)
	Side wings and PA in total		28000 kg	(61728 lbs)	28000 kg	(61728 lbs)
	Loading capacity		128000 kg	(282192 lbs)	88000 kg	(194006 lbs)
* See structural report for exact load positioning						

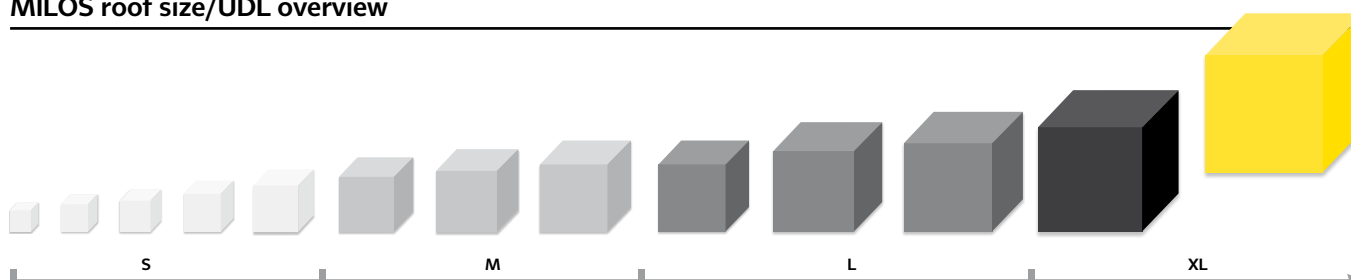


Scaffolding substructure is for visualisation only.
Bracing and ballast depend on the requested configuration.

Operational specifications

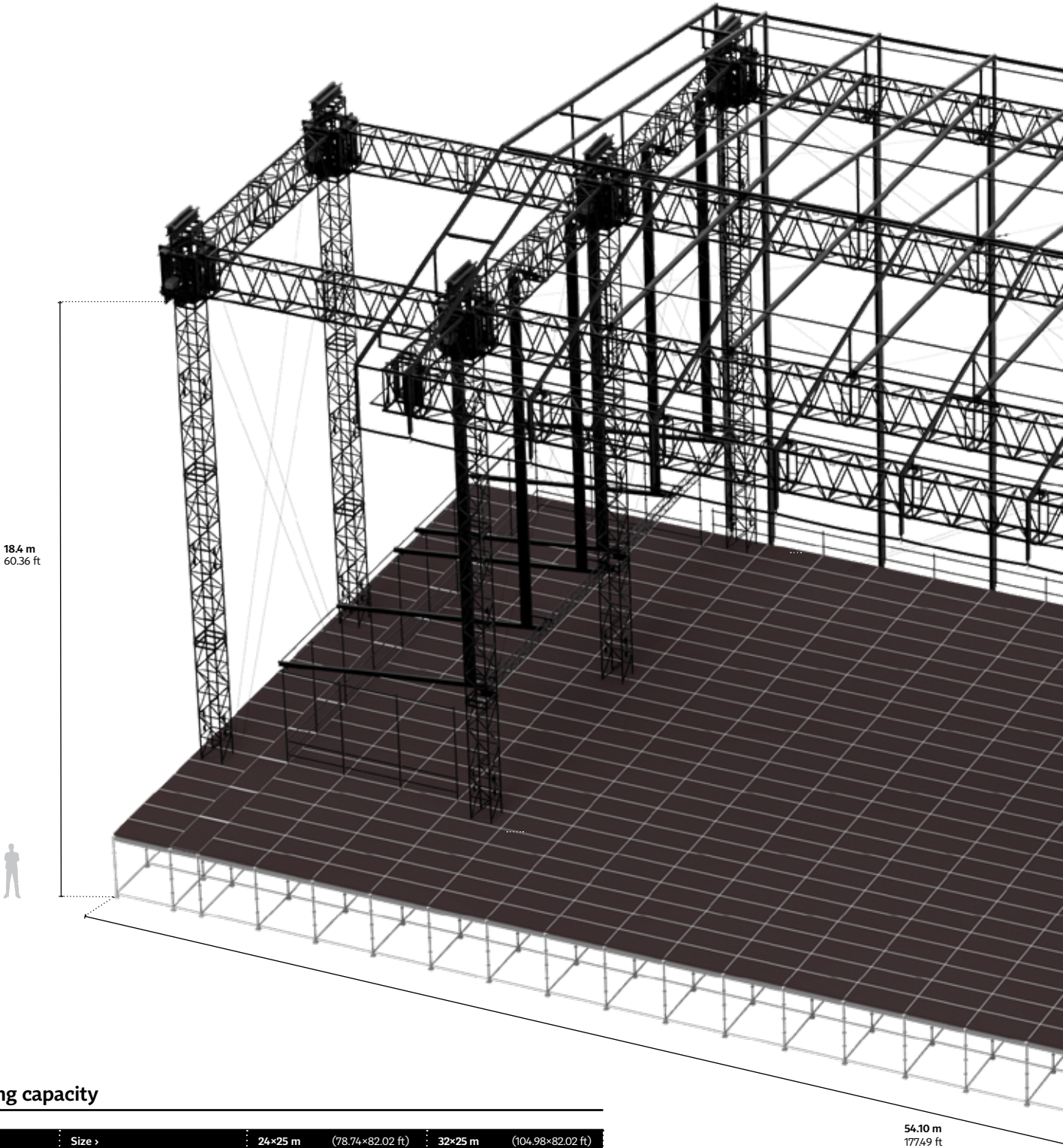
Design standards	EN 17879	Event structures – Safety requirements
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed)
	* Calculation based on 100% windproof cladding on rear wall, side walls and side wing fronts	
	Out of service	28 m/s – 100 km/h – 62 mph (max. gust wind speed)
	* Cladding on side walls and rear wall must be dismantled at heights above 7 m; side wing fronts can remain covered (e.g. by LED screens)	
Ballast	Depending on configuration, side wing, covering, compression beam, guy wires, corner brace, substructure	
Canopy and Side Walls	B1 fire-retardant canvas in keders, configurable for different sizes on request	
	Silver-grey; other colours or black inner side on request	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

MILOS roof size/UDL overview



To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

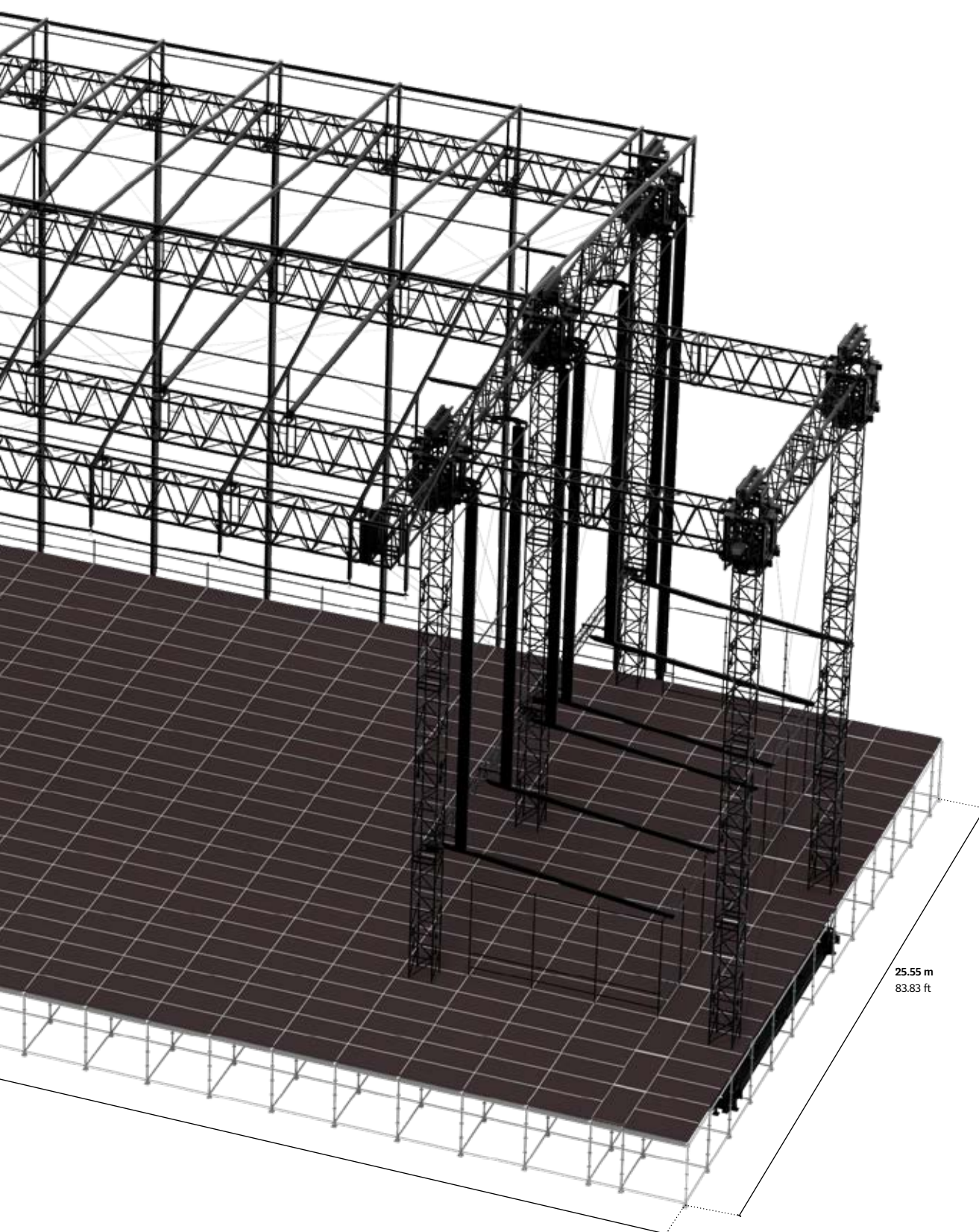
S-MR20 steel roof



Loading capacity

Loading capacity	Size >	24×25 m (78.74×82.02 ft)	32×25 m (104.98×82.02 ft)
	Main grid	100000 kg (220456 lbs)	60000 kg (132273 lbs)
	Side wings and PA in total	28000 kg (61728 lbs)	28000 kg (61728 lbs)
	Loading capacity	128000 kg (282192 lbs)	88000 kg (194006 lbs)
* See structural report for exact load positioning			

Scaffolding substructure is for visualisation only.
Bracing and ballast depend on the requested configuration.



Keder profiles

- Custom profile with optimised strength-to-weight ratio
- Incl. 31×10-mm (1.22×0.39-in) T-bolt channel for M12 hammerhead bolts
- Max. point load in channel 600 kg (1322 lbs)
- Internal connectors available for all rectangular profiles
- Standard length 4 m (13.12 ft)
- Profile includes drilling line marked in side flanges for ease of fabrication
- Anodisation also available
- Other lengths and custom machining on request



Profile 80×61 mm (3.12×2.40")

	Values
80×61 mm (3.12×2.40")	$g = 3.38 \text{ kg (7.45 lb)/m}$
	$I_y = 99.23 \text{ cm}^4$
	$M_{y,Rd} = 537.00 \text{ kNcm}$

E.g. for roof covers with short spans



Profile 120×80 mm (4.72×3.12")

	Values
120×80 mm (4.72×3.12")	$g = 4.93 \text{ kg (10.87 lb)/m}$
	$I_y = 409.82 \text{ cm}^4$
	$M_{y,Rd} = 1552.30 \text{ kNcm}$

E.g. for roof covers with medium spans and walls up to 8 m (26.25 ft) height



Profile 170×88 mm (6.69×3.46")

	Values
170×88 mm (6.69×3.46")	$g = 7.51 \text{ kg (16.56 lb)/m}$
	$I_y = 1326.02 \text{ cm}^4$
	$M_{y,Rd} = 3545.50 \text{ kNcm}$

E.g. for wall covers up to 10 m (32.81 ft) height



Connector for profile 80×61 mm (3.12×2.40")

	Values
80×61 mm (3.12×2.40")	$g = 2.74 \text{ kg (6.04 lb)/m}$
	$I_y = 25.16 \text{ cm}^4$
	$M_{y,Rd} = 163.36 \text{ kNcm}$



Connector for profile 120×80 mm (4.72×3.12")

	Values
120×80 mm (4.72×3.12")	$g = 11.03 \text{ kg (24.32 lb)/m}$
	$I_y = 350.42 \text{ cm}^4$
	$M_{y,Rd} = 1531.50 \text{ kNcm}$



Connector for profile 170×88 mm (6.69×3.46")

	Values
170×88 mm (6.69×3.46")	$g = 12.90 \text{ kg (28.44 lb)/m}$
	$I_y = 1180.01 \text{ cm}^4$
	$M_{y,Rd} = 3619.21 \text{ kNcm}$



Profile 250×120 mm (9.84×4.72")

	Values
250×120 mm (9.84×4.72")	g = 8.12 kg (17.90 lb)/m
	I _y = 2944.18 cm ⁴
	M _{y,Rd} = 5323.20 kNcm

E.g. for wall covers up to 12 m (39.37 ft) height



Profile 300×122 mm (11.81×4.80")

	Values
300×122 mm (11.81×4.80")	g = 11.64 kg (25.66 lb)/m
	I _y = 6063.40 cm ⁴
	M _{y,Rd} = 9110.30 kNcm

E.g. for wall covers up to 16 m (52.49 ft) height



Profile 360×122 mm (14.17×4.80")

	Values
360×122 mm (14.17×4.80")	g = 15.45 kg (30.06 lb)/m
	I _y = 10364.40 cm ⁴
	M _{y,Rd} = 12981.80 kNcm

E.g. for wall covers up to 19 m (62.33 ft) height



Connector for profile 250×120 mm (9.84×4.72")

	Values
250×120 mm	g = 10.21 kg (22.51 lb)/m
	I _y = 2852.12 cm ⁴
	M _{y,Rd} = 5395.00 kNcm



Connector for profile 300×122 mm (11.81×4.80")

	Values
300×122 mm	g = 14.94 kg (32.98 lb)/m
	I _y = 5920.40 cm ⁴
	M _{y,Rd} = 9391.50 kNcm



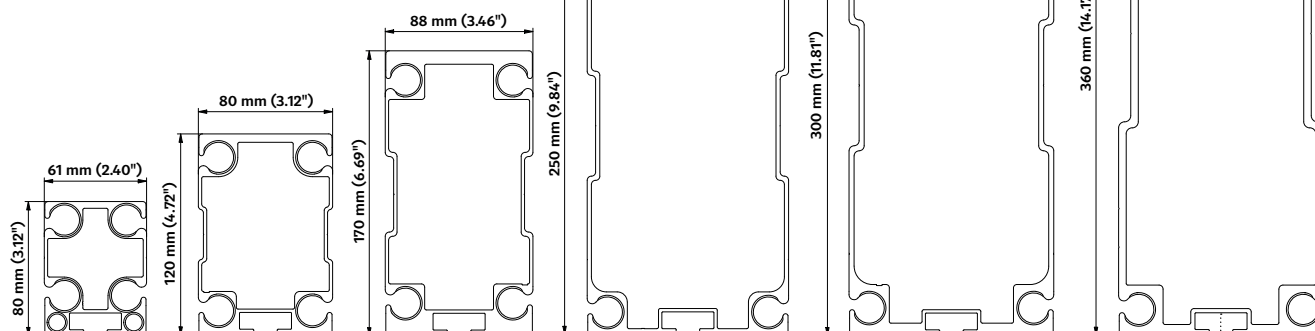
Connector for profile 360×122 mm (14.17×4.80")

	Values
360×122 mm	g = 20.60 kg (45.41 lb)/m
	I _y = 10045.67 cm ⁴
	M _{y,Rd} = 13312.20 kNcm



Profile 23×54 mm (0.90×2.12")

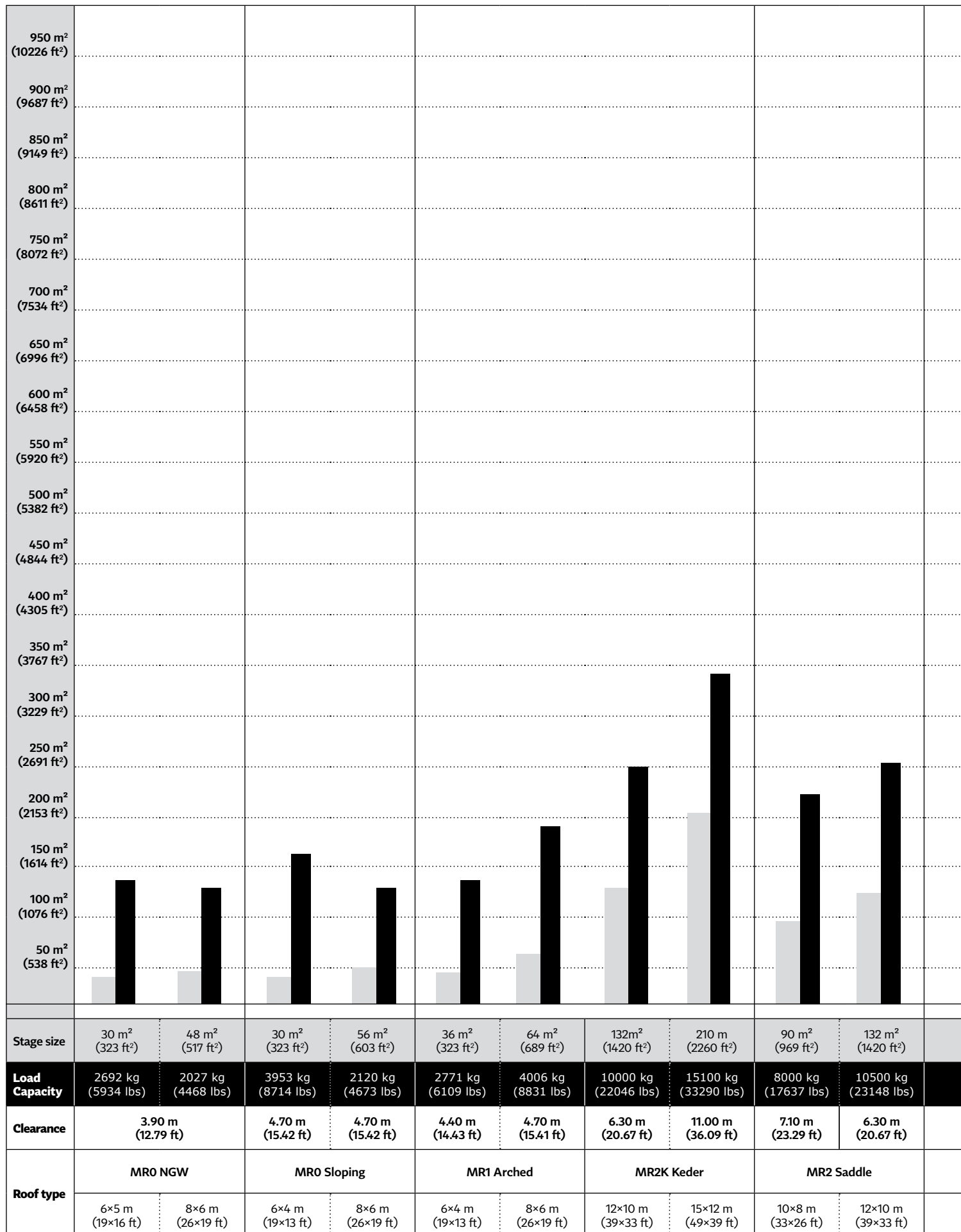
	Values
23×54 mm	g = 1.48 kg (3.26 lb)/m



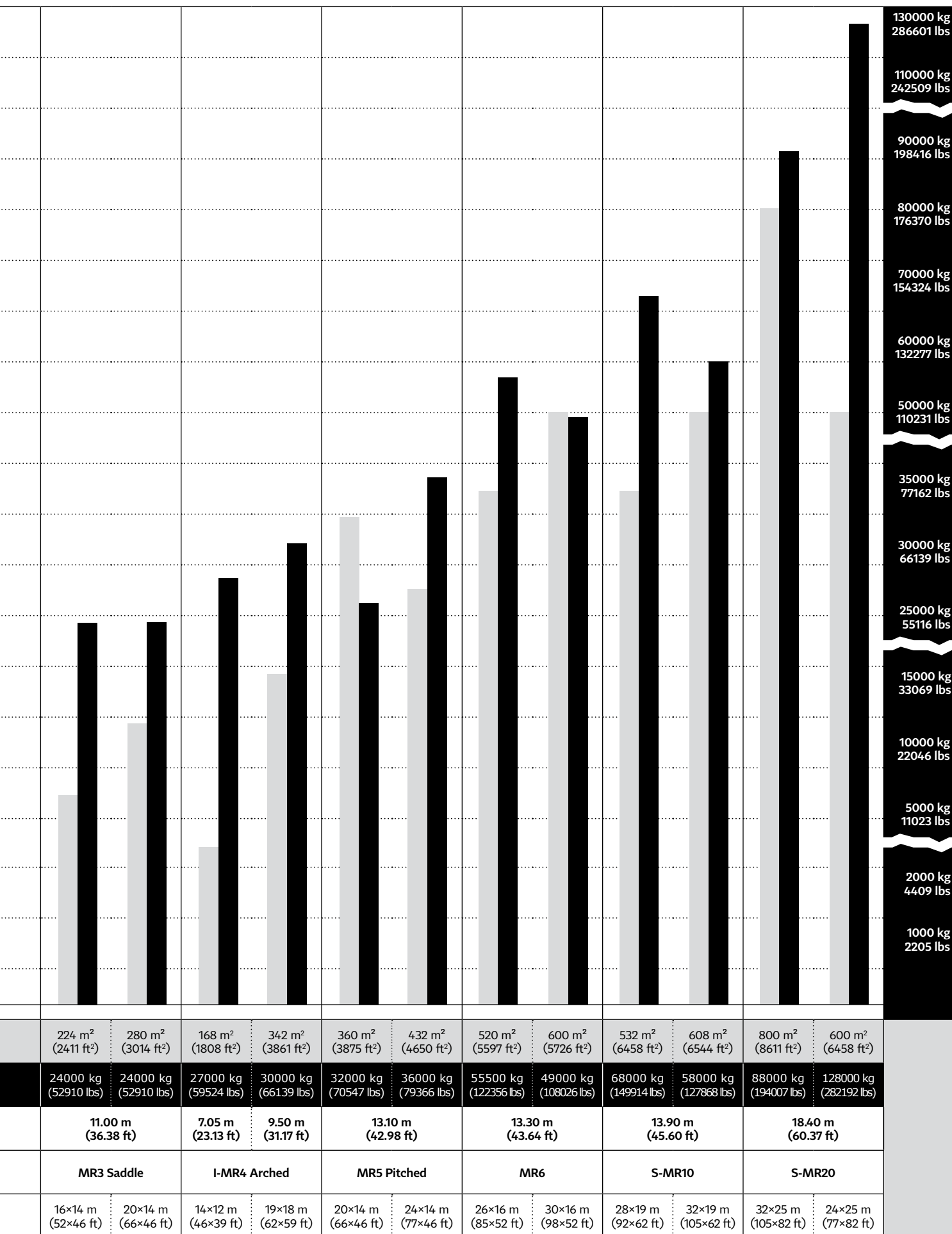
T-bolt channel

MILOS roofs: overview

Stage size



Load Capacity



130000 kg
286601 lbs

110000 kg
242509 lbs

90000 kg
198416 lbs

80000 kg
176370 lbs

70000 kg
154324 lbs

60000 kg
132277 lbs

50000 kg
110231 lbs

35000 kg
77162 lbs

30000 kg
66139 lbs

25000 kg
55116 lbs

15000 kg
33069 lbs

10000 kg
22046 lbs

5000 kg
11023 lbs

2000 kg
4409 lbs

1000 kg
2205 lbs

Roofs
Rigging accessories

Rigging accessories

Get set!





Use QR code
for full range

Rigging accessories

- Steel wires with coloured thimbles
- Milos workwear
- Turnbuckles
- All equipment tested / rated
- Secondary safety bonds for fixtures
- O-rings and shackles
- Adjustable chains and STAC chains
- Basic rigging tools
- Ballast solutions



O-Ring

Code	SWL	Weight
O-Ring-3.15t	3150 (6944)	0.31 (0.68)

Available for SWL up to 6000 kg (13227 lbs)



Shackle

Code	SWL	Weight
SHA-2t	2000 (4409)	0.31 (0.68)
SHA-3.25t	3250 (7165)	0.61 (1.34)

Available for SWL up to 6500 kg (14330 lbs)



Turnbuckle

Code	Weight	Length
TUR-3/4"x12"eye-fork	4.3 (9.5)	304.8 mm (12")
TUR-3/4"x12"fork-fork	4.3 (9.5)	304.8 mm (12")
TUR-5/8"x9"fork-fork	2.3 (5.1)	229 mm (9")
TUR-5/8"x9"eye-fork	2.3 (5.1)	229 mm (9")

For tensioning wires



Stac chain 1.5 m

Code	Weight
STACCHAIN	4.67 (10.3)

Adjust the length of your guy wires quickly and easily with the stac chain. Not for use as horizontal support.



Safety wire ropes

Code	SWL	Length
MSW10-5 kg-600-black	5 (11)	600 mm (23.6")
MSW20-10 kg-750	10 (22)	750 mm (29.5")
MSW30-50 kg-1000	50 (110)	1000 mm (39.4")

Available diameters: 3 mm (0.09")



Steel flex

Code	SWL	Weight
STE-F-1m-2t	2000 (4409)	1 (2.2)
STE-F-2m-2t	2000 (4409)	2 (4.4)
STE-F-3m-2t	2000 (4409)	3 (6.6)
STE-F-4m-2t	2000 (4409)	4 (8.8)

Fire rating to 200 °C (392 °F)



MILOS 25×1300 mm (0.98×51.18") ratchet strap

Code	Weight
MIL-RAT	0.41 (0.9)



MILOS 25×900 mm (0.98×35.43") tensioning strap

Code	Weight
MIL-STR	0.06 (0.13)



Ratchet strap 1500 mm (59.05")

Code	Weight
RAT-1.5 m	0.46 (1.01)

Various lengths and tonnages available



MILOS Safety helmet

Code	Weight
MILOS Helmet Yellow	0.43 (0.95)

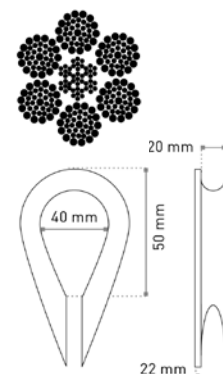
Safety helmet for industrial use, Certification: EN 397



A4I Safety helmet

Code	Weight
A4I Helmet Red	0.43 (0.95)

Safety helmet for industrial use, Certification: EN 397



Thimble colour	Length	Pure rope code		Rope with sheath code	
		10-mm rope (1 tonne)	14-mm rope (2 tonnes)	10-mm rope (1 tonne)	14-mm rope (2 tonnes)
Orange	0.75 (2.46)	RGSW 1075	RGSW 2075	RGSWC 1075	RGSWC 2075
Red	1.50 (4.92)	RGSW 1150	RGSW 2150	RGSWC 1150	RGSWC 2150
Pink	2.00 (6.56)	RGSW 1200	RGSW 2200	-	-
White	3.00 (9.84)	RGSW 1300	RGSW 2300	RGSWC 1300	RGSWC 2300
Light blue	4.00 (13.12)	RGSW 1400	RGSW 2400	-	-
Blue	6.00 (19.69)	RGSW 1600	RGSW 2600	-	-
Yellow	9.00 (29.53)	RGSW 1900	RGSW 2900	-	-
Brown	10.00 (32.81)	RGSW 11000	RGSW 21000	-	-
Green	12.00 (39.37)	RGSW 11200	RGSW 21200	-	-

NOTE:

Thimbles are fixed to the ends of our steel wire ropes with Talurit-type conical ferrules; the ferrules are fitted by cold pressing in compliance with European standards EN 13411 and DIN 3093. • The inspection hole on the ferrule is useful for tests and inspections by the rope manufacturer, but not necessarily for the end user (EN 13411-3). It is theoretically possible for a rope to slip from a ferrule. Before this happens, however, the rope thimbles will have already become deformed. • Regular inspection of the thimble shape, together with rope stand tests, are an excellent guarantee of safety.

Crowd barriers

Back off!





Use QR code
for full range

Crowd barriers

- Modular aluminium crowd barrier series
- Rigid construction compliant to the highest safety standards
- Vibration-free hinges for reduced storage volume
- 3-point locking with simple one-bolt-fits-all assembly
- Specially designed hinges for quick and easy set-up
- Range of standard and special modules
- Made of EN AW 6082-T6 aluminium alloy
- Barriers come with one set of connection material
- "Finger-safe" perforated sheet with $\varnothing = 8$ mm holes



Crowd barrier – 1-m standard unit

Code	kg	lbs
CWB-B	41.2	(90.83)



Crowd barrier – half unit

Code	kg	lbs
CWB-BH	20.8	(45.85)



Crowd barrier – variable corner

Code	kg	lbs
CWB-VC	36.2	(79.80)



Crowd barrier – gate access

Code	kg	lbs
CWB-DC	50.3	(110.89)



Crowd barrier – 1-m cable cross

Code	kg	lbs
CWB-BC	37.2	(82.01)



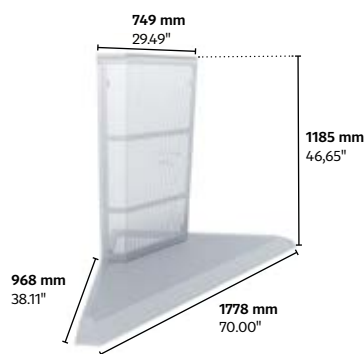
Crowd barrier – cart up to 10 barriers

Code	kg	lbs
CWB-CART	50.3	(110.89)



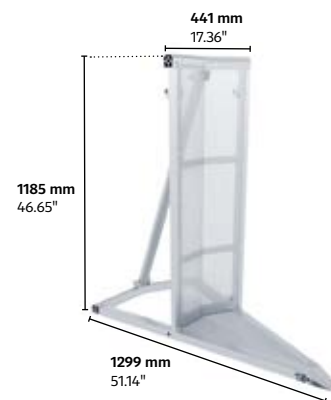
Crowd barrier – inside corner 90°

Code	kg	lbs
CWB-IC90	27.5	(60.62)



Crowd barrier – outside corner 90°

Code	kg	lbs
CWB-OC90	30.4	(66.22)



Crowd barrier – inside corner 30°

Code	kg	lbs
CWB-IC30	15.8	(34.83)



Crowd barrier – 90° compensator

Code	kg	lbs
CWB-90C	8.1	(17.85)



Crowd barrier – Vario light with 80×15-cm (31.5×5.9-in) lower cable slot

Code	kg	lbs
CWB-VLC	19.1	(42.1)



Crowd barrier – Vario light

Code	kg	lbs
CWB-VL	20.0	(44.09)



Crowd barrier – adjustable adapter +/-100 mm

Code	kg	lbs
CWB-LHA	4.30	(9.47)



Crowd barrier – two entrance check point

Code	kg	lbs
2× CWB-B + 4× CWB-90C + 2× CWB-SGA		



Connection set

Code	kg	lbs
CWB-FC	0.50	(1.00)

Set of bolts

MILOS

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Czech Republic

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