Flexibility Behind Your Show

Product Catalogue

13th edition

www.milossystems.com

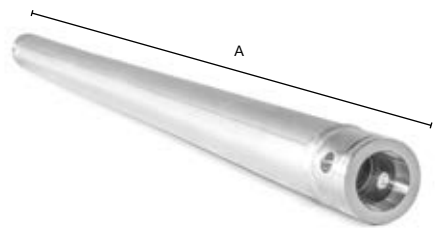
Aluminium trusses

Connecting the world

Use QR code
for full range

M100

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



M100

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

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

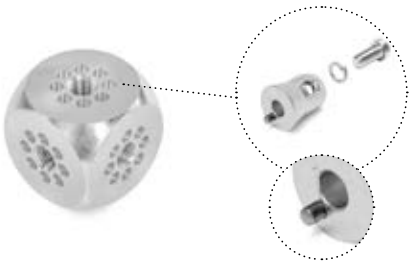
M100

LOADING CHART

M100		Beam on two supports										(Continous 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)



CUBEB-UNI

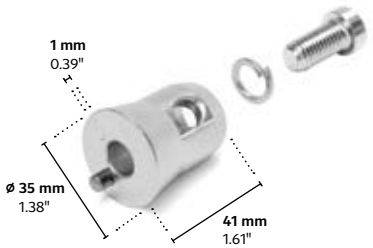
Series	kg	lbs
M100	**0.27** (0.60)	

Universal multiconnection cube that is 360° adjustable

HINGEQB-UNI

Series	kg	lbs
M100	**0.49** (1.08)	

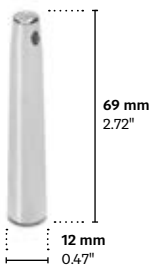
Universal hinge



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 versions available



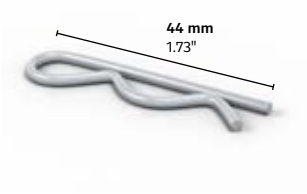
PB|Pin

Series	kg	lbs
M100	**0.02** (0.04)	

PBM8Set

Series	kg	lbs
M100	**0.02** (0.04)	

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



SRPB

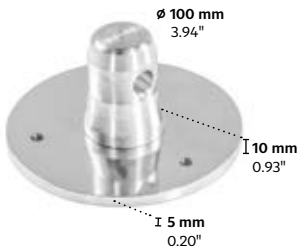
Series	kg	lbs
M100	**0.002** (0.004)	

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

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

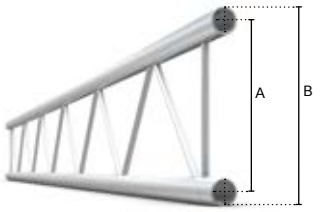
Series	kg	lbs
M100	**0.003** (0.007)	

Clip 50
Banner attachment for tube d = 50 mm (2"). Color: 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
- Compatible with Xtruss accessories
- Powder-coated colour finish available on request

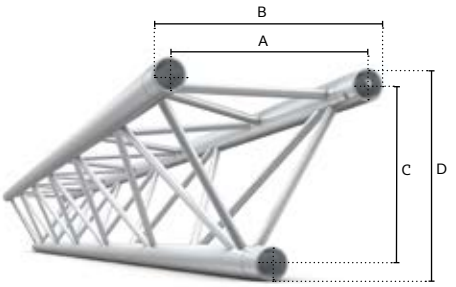
DUO



M222

		Main chords	Diagonals	Alloy	A	B	Connector
BTM	mm in	**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

		Main chords	Diagonals	Alloy	A	B	C	D	Connector
STM	mm in	**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

		Main chords	Diagonals	Alloy	A	B	Connector
QTM	mm in	**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

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)

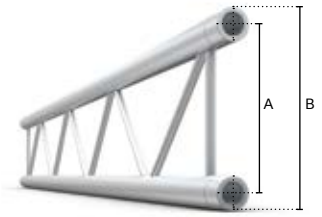
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)

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 tube M290 series modular truss range
- Interior & 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
- Compatible with Xtruss accessories
- Powder-coated colour finish available on request

DUO

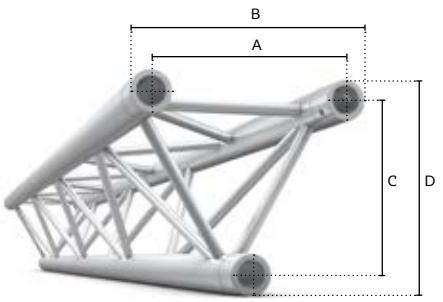


M290

mm in

	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

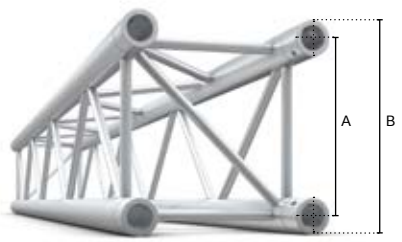


M290

mm in

	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

mm in

	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 • 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

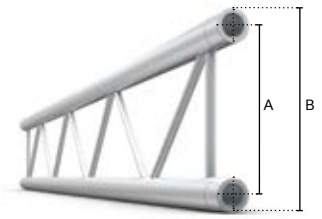
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)

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 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 & 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
- Compatible with Xtruss accessories
- Powder-coated colour finish available on request

DUO

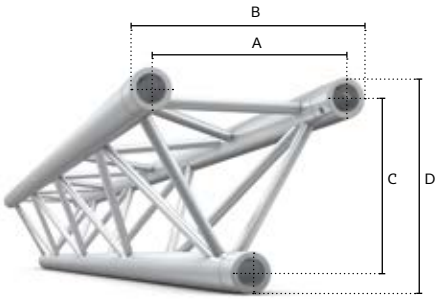


M290V

mm in

	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**
BTVU	**48×3** (1.89×0.12)	**20×2** (0.78×0.08)	**EN - AW 6082 T6**	**240** (9.44)	**288** (11.34)	**CCU**

TRIO

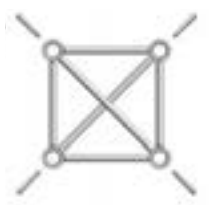


M290V

mm in

	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

mm in

	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

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

	Main chords	Brace	Range
mm	**50×10**	**30×3**	**BTB, BTF, BTU, BTV, BTVF, BTVU, BTVUU**
in	(1.96×0.39)	(1.18×0.12)	

	Main chords	Brace	Range
mm	**50×10**	**30×3**	**STB, STF, STU, STV, STVF, STVU, STVUU**
in	(1.96×0.39)	(1.18×0.12)	

	Main chords	Brace	Range
mm	**50×10**	**30×3**	**QTB, QTF, QTU, QTV, QSTVF, QTVU, QTVUU**
in	(1.96×0.39)	(1.18×0.12)	

M390 105–149 mm

	Main chords	Brace	Range
mm	**50×10**	**30×3**	**BTK, BTKF, BTL, BTLF**
in	(1.96×0.39)	(1.18×0.12)	

	Main chords	Brace	Range
mm	**50×10**	**30×3**	**STK, STKF, STL, STLF**
in	(1.96×0.39)	(1.18×0.12)	

	Main chords	Brace	Range
mm	**50×10**	**30×3**	**QTK, QTKF, QTL, QTLF**
in	(1.96×0.39)	(1.18×0.12)	



M290 150–229 mm

	Main chords	Brace	Range
mm	**50×2**	**50×2**	**BTB, BTF, BTU, BTUU**
in	(1.96×0.08)	(1.96×0.08)	
	48×3	**48×3**	**BTV, BTVF, BTVU, BTVUU**
	(1.89×0.12)	(1.89×0.12)	

	Main chords	Brace	Range
mm	**50×2**	**50×2**	**STB, STF, STU, STUU**
in	(1.96×0.08)	(1.96×0.08)	
	48×3	**48×3**	**STV, STVF, STVU, STVUU**
	(1.89×0.12)	(1.89×0.12)	

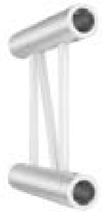
	Main chords	Brace	Range
mm	**50×2**	**50×2**	**QTB, QTF, QTU, QTUU**
in	(1.96×0.08)	(1.96×0.08)	
	48×3	**48×3**	**QTV, QTVF, QTVU, QTVUU**
	(1.89×0.12)	(1.89×0.12)	

M390 150–249 mm

	Main chords	Brace	Range
mm	**50×2**	**50×2**	**BTK, BTKF**
in	(1.96×0.39)	(1.96×0.39)	
	48×3	**48×3**	**BTL, BTLF**
	(1.89×0.12)	(1.89×0.12)	

	Main chords	Brace	Range
mm	**50×2**	**50×2**	**STK, STKF**
in	(1.96×0.39)	(1.96×0.39)	

	Main chords	Brace	Range
mm	**50×2**	**50×2**	**QTK, QTKF**
in	(1.96×0.39)	(1.96×0.39)	



M290 230–450 mm

mm / in

Main chords	Brace	Range
50×2 (1.96×0.08)	**16×2** (0.62×0.08)	**BTB, BTF**
48×3 (1.89×0.12)	**16×2** (0.62×0.08)	**BTV, BTVF**
50×2 (1.96×0.08)	**20×2** (0.78×0.08)	**BTU, BTUU**
48×3 (1.89×0.12)	**20×2** (0.78×0.08)	**BTVU**

mm / in

Main chords	Brace	Range
50×2 (1.96×0.08)	**16×2** (0.62×0.08)	**BTB, BTF**
48×3 (1.89×0.12)	**16×2** (0.62×0.08)	**BTV, BTVF**
50×2 (1.96×0.08)	**20×2** (0.78×0.08)	**BTU, BTUU**
48×3 (1.89×0.12)	**20×2** (0.78×0.08)	**BTVU**

mm / in

Main chords	Brace	Range
50×2 (1.96×0.08)	**16×2** (0.62×0.08)	**BTB, BTF**
48×3 (1.89×0.12)	**16×2** (0.62×0.08)	**BTV, BTVF**
50×2 (1.96×0.08)	**20×2** (0.78×0.08)	**BTU, BTUU**
48×3 (1.89×0.12)	**20×2** (0.78×0.08)	**BTVU**

M390 250–440 mm

mm / in

Main chords	Brace	Range
50×2 (1.96×0.39)	**20×2** (0.78×0.08)	**BTK, BTKF**
48×3 (1.89×0.12)	**20×2** (0.78×0.08)	**BTL, BTLF**

mm / in

Main chords	Brace	Range
50×2 (1.96×0.39)	**20×2** (0.78×0.08)	**STK, STKF**
48×3 (1.89×0.12)	**20×2** (0.78×0.08)	**STL, STLF**

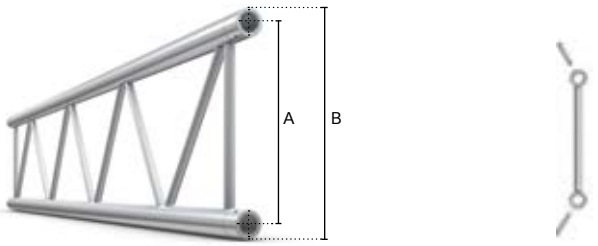
mm / in

Main chords	Brace	Range
50×2 (1.96×0.39)	**20×2** (0.78×0.08)	**QTK, QTKF**
48×3 (1.89×0.12)	**20×2** (0.78×0.08)	**QTL, QTLF**

M390 Regular

- Certified 50 mm tube M390 series modular truss range
- Interior and exterior applications
- Fast connection for quick, simple and secure assembly
- Great free-span & 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

DUO

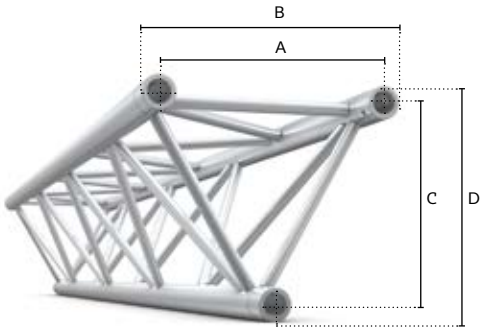


M390

BTK / BTKF — mm / in

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

TRIO



M390

STK / STKF — mm / in

Main chords	Diagonals	Alloy	A	B	C	D	Connector
50×2 (2×0.08)	**20×2** (0.78×0.08)	**EN - AW 6082 T6**	**340** (13.38)	**390** (15.35)	**294** (11.57)	**344** (13.54)	**CCB**
50×2 (2×0.08)	**20×2** (0.78×0.08)	**EN - AW 6082 T6**	**340** (13.38)	**390** (15.35)	**294** (11.57)	**344** (13.54)	**CCF**

QUATRO

M390

QTK / QTKF — mm / in

Main chords	Diagonals	Alloy	A	B	Connector
50×2 (2×0.08)	**20×2** (0.78×0.08)	**EN - AW 6082 T6**	**340** (13.38)	**390** (15.35)	**CCB**
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)
DUO	kg (lbs)	1.60 (3.57)	2.70 (5.95)	3.70 (8.16)	4.70 (10.43)	5.80 (12.78)	6.80 (14.99)	8.90 (19.62)	10.90 (24.12)
TRIO	kg (lbs)	3.10 (6.84)	4.80 (10.58)	7.10 (15.65)	8.50 (18.73)	10.10 (22.27)	12.90 (22.48)	16.20 (35.71)	19.80 (43.65)
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 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)	998.00 (2200.21)	820.50 (1808.89)	654.30 (1442.48)	543.20 (1197.55)	463.40 (1021.62)	403.40 (889.34)	356.40 (785.73)
Deflection	mm (in)	4.50 (0.18)	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)	625.50 (1378.99)	529.00 (1166.24)	471.00 (1038.38)	407.40 (898.16)	347.60 (766.33)	302.50 (666.90)	267.30 (589.29)
Deflection	mm (in)	4.80 (0.19)	9.60 (0.38)	16.80 (0.66)	25.20 (0.99)	34.30 (1.35)	44.80 (1.76)	56.80 (2.24)
Quarter Point Load (QPL)	kg (lbs)	417.00 (919.33)	398.00 (877.44)	327.20 (721.35)	271.60 (598.77)	231.70 (510.81)	201.70 (444.67)	178.20 (392.86)
Deflection	mm (in)	4.50 (0.18)	10.10 (0.40)	16.30 (0.64)	23.40 (0.92)	31.90 (1.26)	41.80 (1.65)	52.90 (2.08)
Fifth Point Load (FPL)	kg (lbs)	312.70 (689.38)	312.20 (688.28)	272.60 (600.98)	226.30 (498.91)	193.10 (425.71)	168.10 (370.60)	148.50 (327.39)
Deflection	mm (in)	4.30 (0.17)	10.10 (0.40)	17.30 (0.68)	24.90 (0.98)	33.80 (1.33)	44.20 (1.74)	56.00 (2.20)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	417.00 (280.21)	312.20 (209.79)	249.30 (167.52)	181.10 (121.69)	132.40 (88.97)	100.80 (67.73)	79.20 (53.22)
Deflection	mm (in)	3.50 (0.14)	8.40 (0.33)	16.30 (0.64)	24.70 (0.97)	33.60 (1.32)	43.90 (1.73)	55.60 (2.19)

DUO figures are based on use in vertical mode and with stabilisation every 1 m

M390 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)	705.10 (1554.48)	462.20 (1018.98)	338.50 (746.26)	262.40 (578.49)	210.10 (463.19)	141.20 (311.29)	96.10 (211.86)
Deflection	mm (in)	7.60 (0.30)	17.20 (0.68)	30.80 (1.21)	48.70 (1.92)	71.00 (2.80)	130.60 (5.14)	212.70 (8.37)
Third Point Load (TPL)	kg (lbs)	528.80 (1165.80)	346.70 (764.34)	253.90 (559.75)	196.80 (433.87)	157.50 (347.23)	105.90 (233.47)	72.10 (158.95)
Deflection	mm (in)	9.70 (0.38)	21.80 (0.86)	38.80 (1.53)	60.70 (2.39)	87.70 (3.45)	157.10 (6.19)	248.00 (9.76)
Quarter Point Load (QPL)	kg (lbs)	352.50 (777.13)	231.10 (509.49)	169.20 (373.02)	131.20 (289.25)	105.00 (231.49)	70.60 (155.65)	48.00 (105.82)
Deflection	mm (in)	9.00 (0.35)	20.30 (0.80)	36.20 (1.43)	56.80 (2.24)	82.30 (3.24)	148.50 (5.85)	236.50 (9.31)
Fifth Point Load (FPL)	kg (lbs)	293.80 (647.72)	192.60 (424.61)	141.00 (310.85)	109.30 (240.96)	87.50 (192.90)	58.80 (129.63)	40.00 (88.18)
Deflection	mm (in)	9.50 (0.37)	21.50 (0.85)	38.20 (1.50)	59.90 (2.36)	86.60 (3.41)	155.40 (6.12)	245.70 (9.67)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	352.50 (236.87)	154.10 (103.55)	84.60 (56.85)	52.50 (35.28)	35.00 (23.52)	17.60 (11.83)	9.60 (6.45)
Deflection	mm (in)	9.40 (0.37)	21.30 (0.84)	38.00 (1.50)	59.50 (2.34)	86.00 (3.39)	154.50 (6.08)	244.40 (9.62)

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

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)

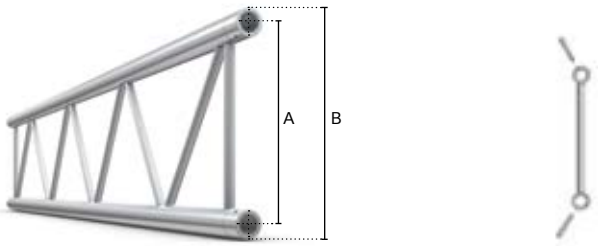
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)

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 tube heavy-duty M390 series truss range
- Interior and exterior applications
- Fast connection for quick, simple and secure assembly
- Great free-span & 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

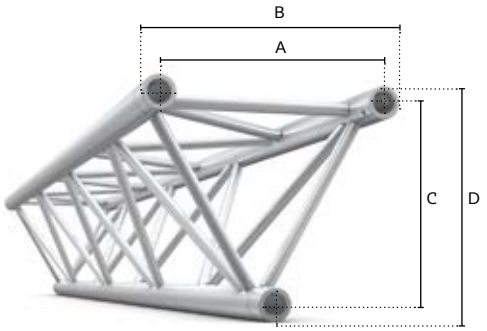


M390L

BTL / BTLF — mm / in

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

STL / STLF — mm / in

Main chords	Diagonals	Alloy	A	B	C	D	Connector
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**
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

QTL / QTLF — mm / in

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

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
- Available in lengths of 0.5 m, 1 m, 1.5 m, 2 m, 2.5 m, 3 m, 4 m and 5 m
- 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

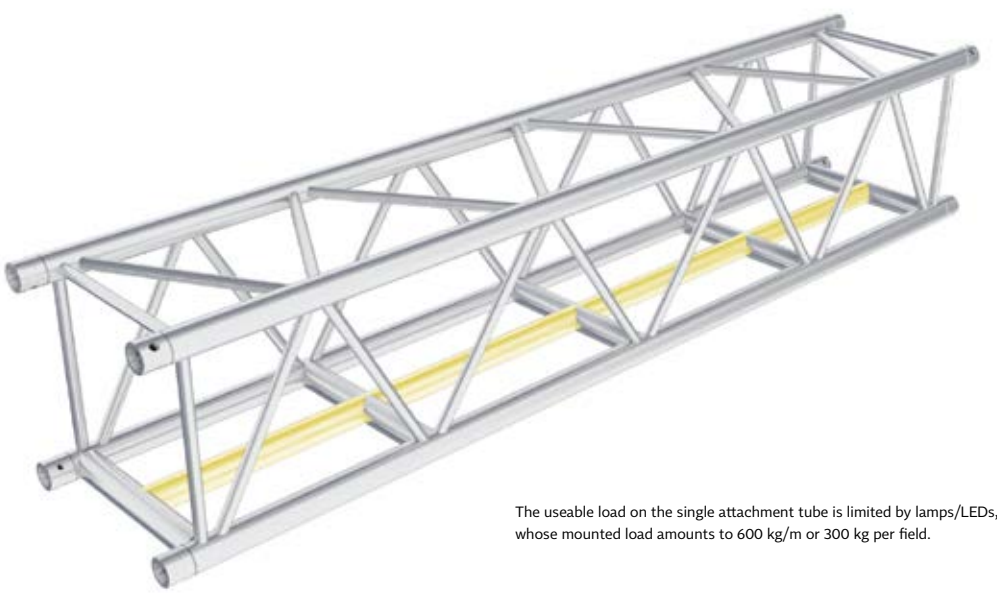
M390 LED

		Main chords	Diagonals	Alloy	A	B	Connector
QTL-LED	mm / in	**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	mm / 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 or 300 kg per field.

M390 LED

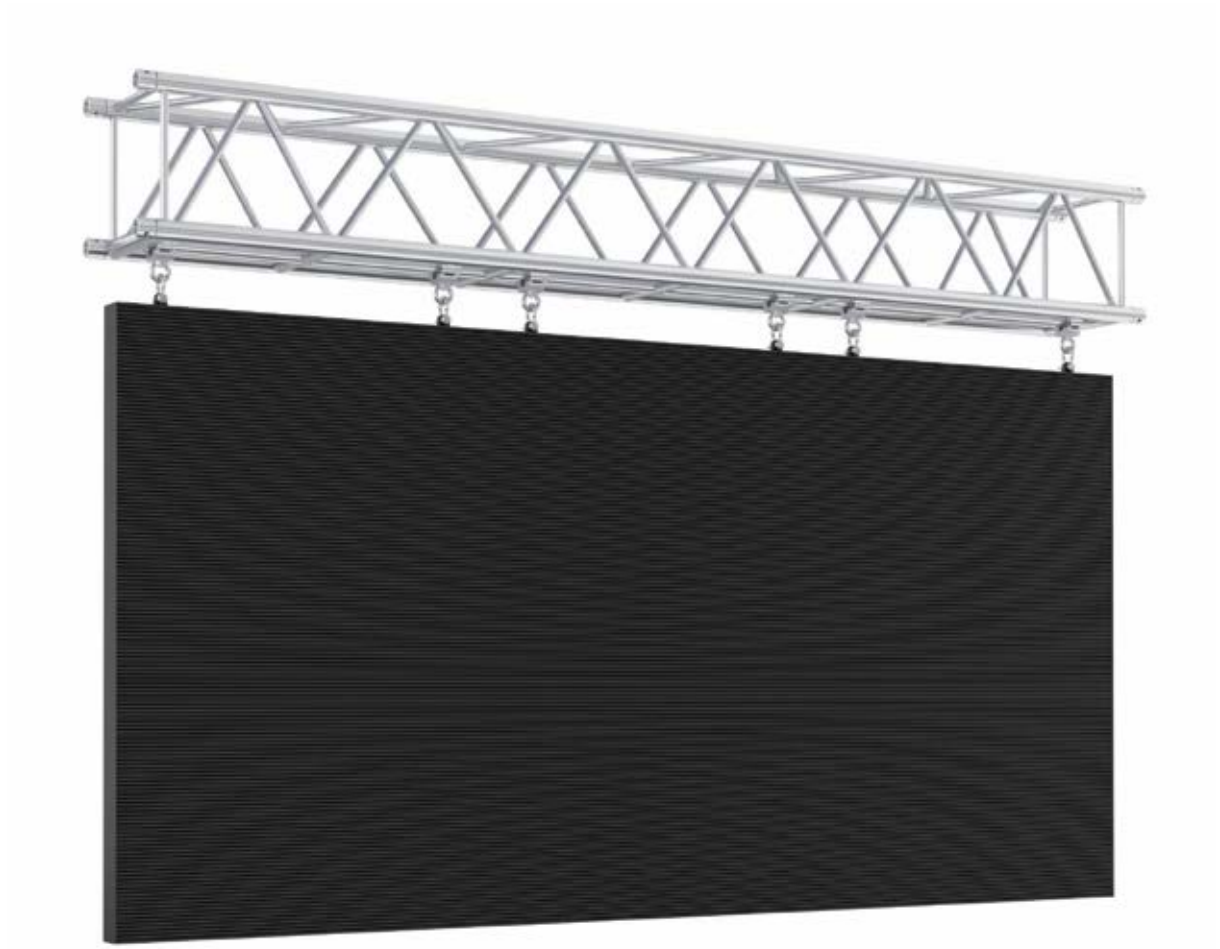
LOADING CHART

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 or 300 kg 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)

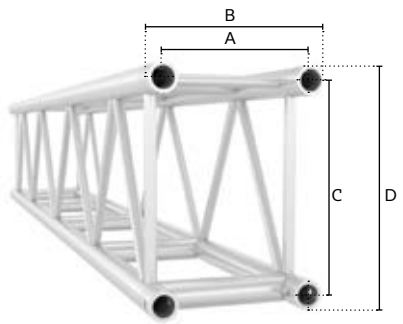
All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting of different truss lengths • Interaction of bending moment and shear 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 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

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

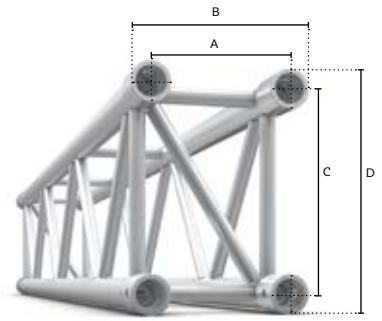
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)

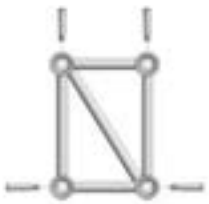
All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting of different truss lengths • Interaction of bending moment and shear 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

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 & loading characteristics (up to 20 m / 65.61 ft)
- Connection kit supplied with every truss length and junction

RECT

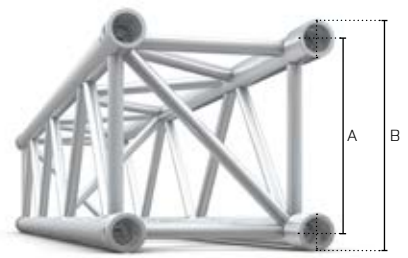


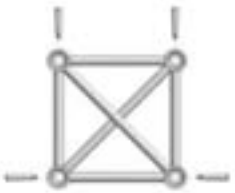


M400

		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)

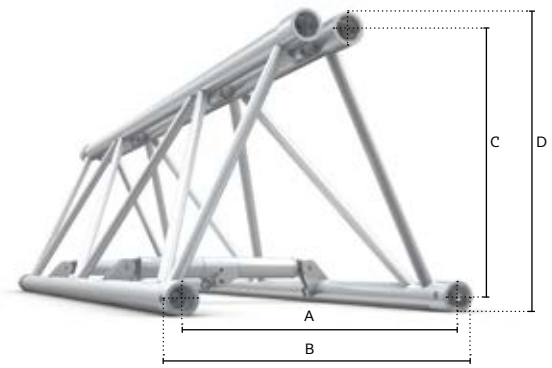
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)

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 & 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

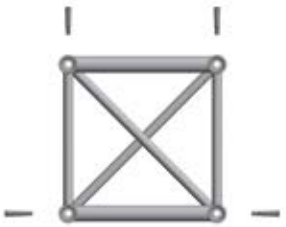
FOLD



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)

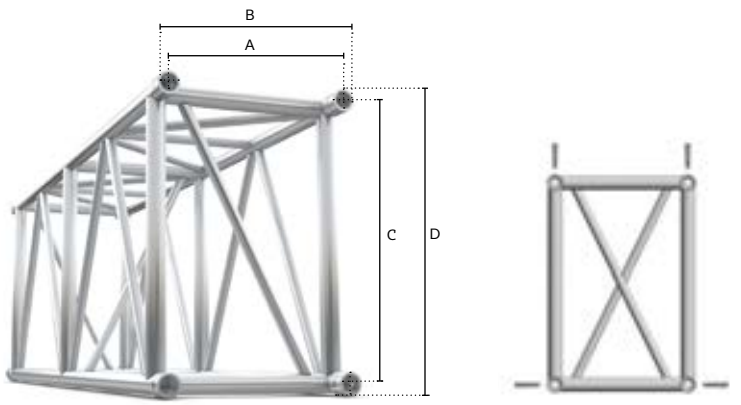
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)

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

RECT



M760

		Main chords	Diagonals	Horizontal braces	Alloy	A	B	C	D	Connector
RTP	mm / in	**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

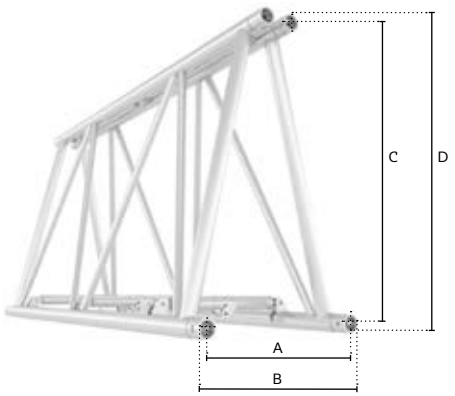
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)

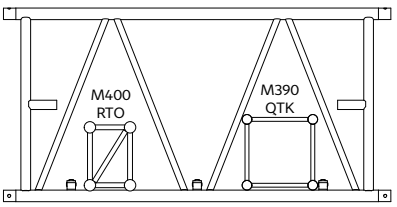
All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting of different truss lengths • Interaction of bending moment and shear 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 E1.2-2006 • For any other application, or in case of an assembled structure, contact MILOS or a structural engineer • Safety factors used: self-weight 1.35 / variable loads 1.5

M950

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

FOLD





M950

		Main chords	Diagonals	Alloy	A	B	C	D	Connector
FTT	mm / in	**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)

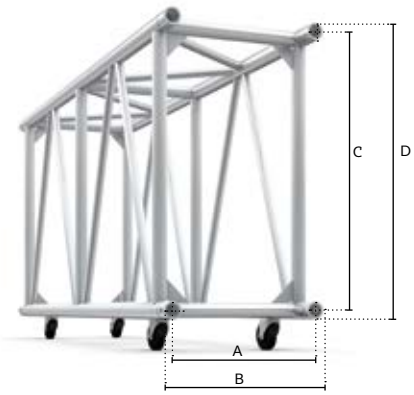
Span	24.00 (78.74)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)	32.00 (104.99)	34.00 (111.55)	36.00 (118.11)	38.00 (124.67)	40.00 (131.23)
Centre Point Load (CPL)	2106.50 (4644.03)	1905.60 (4201.12)	1730.60 (3815.32)	1576.20 (3474.92)	1438.60 (3171.57)	1314.80 (2898.63)	1202.50 (2651.06)	1099.90 (2424.86)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

	Main chords	Diagonals	Alloy	A	B	C	D	Connector
RTT / RTTH (mm / in)	**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)	**3547.20**	(7820.23)	**3501.30**	(7719.04)	**3455.40**	(7617.84)	**3307.00**	(7290.68)	**3006.00**	(6627.09)	**2779.00**	(6126.64)	**2537.00**	(5593.12)	**2309.90**	(5092.45)
Deflection	mm (in)	**6.10**	(0.24)	**11.90**	(0.47)	**20.40**	(0.80)	**31.40**	(1.24)	**43.30**	(1.70)	**57.90**	(2.28)	**74.00**	(2.91)	**91.80**	(3.61)
Third Point Load (TPL)	kg (lbs)	**1773.60**	(3910.11)	**1750.60**	(3859.41)	**1727.70**	(3808.92)	**1704.80**	(3758.44)	**1681.80**	(3707.73)	**1658.90**	(3657.24)	**1636.00**	(3606.76)	**1597.0**	(3520.78)
Deflection	mm (in)	**5.20**	(0.20)	**10.20**	(0.40)	**17.60**	(0.69)	**27.80**	(1.09)	**41.40**	(1.63)	**58.80**	(2.31)	**80.50**	(3.17)	**106.00**	(4.17)
Quarter Point Load (QPL)	kg (lbs)	**1182.40**	(2606.74)	**1167.10**	(2573.01)	**1151.80**	(2539.28)	**1136.50**	(2505.55)	**1121.20**	(2471.82)	**1105.90**	(2438.09)	**1090.60**	(2404.36)	**1075.40**	(2370.85)
Deflection	mm (in)	**4.90**	(0.19)	**9.50**	(0.37)	**16.40**	(0.65)	**26.00**	(1.02)	**38.70**	(1.52)	**55.10**	(2.17)	**75.40**	(2.97)	**100.20**	(3.94)
Fifth Point Load (FPL)	kg (lbs)	**886.80**	(1955.06)	**875.30**	(1929.70)	**863.90**	(1904.57)	**852.40**	(1879.22)	**840.90**	(1853.86)	**829.50**	(1828.73)	**818.00**	(1803.38)	**806.50**	(1778.03)
Deflection	mm (in)	**4.70**	(0.19)	**9.10**	(0.36)	**15.70**	(0.62)	**24.90**	(0.98)	**37.10**	(1.46)	**52.80**	(2.08)	**72.40**	(2.85)	**96.30**	(3.79)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	**443.40**	(297.95)	**350.10**	(235.26)	**288.00**	(193.53)	**243.50**	(163.62)	**210.20**	(141.25)	**184.30**	(123.84)	**163.60**	(109.93)	**146.60**	(98.51)
Deflection	mm (in)	**3.90**	(0.15)	**7.60**	(0.30)	**13.20**	(0.52)	**20.90**	(0.82)	**31.30**	(1.23)	**44.60**	(1.76)	**61.30**	(2.41)	**81.70**	(3.22)

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)	**2073.40**	(4571.06)	**1869.80**	(4122.20)	**1692.00**	(3730.22)	**1534.90**	(3383.87)	**1394.50**	(3074.34)	**1268.00**	(2795.46)	**1152.90**	(2541.71)	**1047.60**	(2309.56)	**950.50**	(2095.49)
Deflection	**110.00**	(4.33)	**130.10**	(5.12)	**152.10**	(5.99)	**176.10**	(6.93)	**202.20**	(7.96)	**230.50**	(9.07)	**261.00**	(10.28)	**293.90**	(11.57)	**329.30**	(12.96)
Third Point Load (TPL)	**1493.00**	(3291.50)	**1402.40**	(3091.76)	**1269.00**	(2797.66)	**1151.20**	(2537.96)	**1045.90**	(2305.81)	**951.00**	(2096.59)	**864.70**	(1906.33)	**785.70**	(1732.17)	**712.90**	(1571.67)
Deflection	**131.10**	(5.16)	**159.70**	(6.29)	**185.50**	(7.30)	**213.40**	(8.40)	**243.40**	(9.58)	**275.40**	(10.84)	**309.50**	(12.19)	**345.70**	(13.61)	**384.00**	(15.12)
Quarter Point Load (QPL)	**1036.70**	(2285.53)	**934.90**	(2061.10)	**846.00**	(1865.11)	**767.40**	(1691.83)	**697.30**	(1537.28)	**634.00**	(1397.73)	**576.50**	(1270.96)	**523.80**	(1154.78)	**475.20**	(1047.64)
Deflection	**127.40**	(5.02)	**150.10**	(5.91)	**174.70**	(6.88)	**201.30**	(7.93)	**230.00**	(9.06)	**260.80**	(10.27)	**293.70**	(11.56)	**328.90**	(12.95)	**366.20**	(14.42)
Fifth Point Load (FPL)	**795.00**	(1752.67)	**779.10**	(1717.62)	**705.00**	(1554.26)	**639.50**	(1409.85)	**581.10**	(1281.10)	**528.30**	(1164.70)	**480.40**	(1059.10)	**436.50**	(962.32)	**396.00**	(873.03)
Deflection	**124.80**	(4.91)	**157.80**	(6.21)	**183.40**	(7.22)	**211.00**	(8.31)	**240.70**	(9.48)	**272.50**	(10.73)	**306.40**	(12.06)	**342.40**	(13.48)	**380.50**	(14.98)
Uniformly Distributed Load (UDL)	**132.50**	(89.04)	**120.60**	(81.04)	**110.30**	(74.12)	**101.40**	(68.14)	**87.20**	(58.60)	**74.60**	(50.13)	**64.10**	(43.07)	**55.10**	(37.03)	**47.50**	(31.92)
Deflection	**106.20**	(4.18)	**135.20**	(5.32)	**169.10**	(6.66)	**208.20**	(8.20)	**239.20**	(9.42)	**270.90**	(10.67)	**304.60**	(11.99)	**340.50**	(13.41)	**378.60**	(14.91)

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)	**4077.00**	(8988.25)	**3719.00**	(8198.99)	**3369.00**	(7427.37)	**3068.00**	(6763.78)	**2797.00**	(6166.33)	**2579.00**	(5685.72)	**2341.00**	(5161.02)	**2166.00**	(4775.21)
Deflection	mm (in)	**7.00**	(0.28)	**12.60**	(0.49)	**20.00**	(0.79)	**29.30**	(1.15)	**40.60**	(1.60)	**54.40**	(2.14)	**69.30**	(2.73)	**87.30**	(3.44)
Third Point Load (TPL)	kg (lbs)	**2309.00**	(5090.47)	**2159.00**	(4759.78)	**2044.00**	(4506.25)	**1923.00**	(4239.49)	**1798.00**	(3963.91)	**1695.00**	(3736.84)	**1586.00**	(3496.53)	**1473.00**	(3247.41)
Deflection	mm (in)	**6.70**	(0.26)	**12.50**	(0.49)	**20.60**	(0.81)	**31.80**	(1.23)	**44.20**	(1.74)	**60.20**	(2.37)	**78.70**	(3.10)	**99.20**	(3.91)
Quarter Point Load (QPL)	kg (lbs)	**1630.00**	(3593.54)	**1559.00**	(3437.01)	**1486.00**	(3276.07)	**1408.00**	(3104.11)	**1344.00**	(2963.01)	**1273.00**	(2806.49)	**1198.00**	(2641.14)	**1133.00**	(2497.84)
Deflection	mm (in)	**6.70**	(0.26)	**12.50**	(0.49)	**20.90**	(0.82)	**31.20**	(1.25)	**45.90**	(1.81)	**62.80**	(2.47)	**82.40**	(3.24)	**105.40**	(4.15)
Fifth Point Load (FPL)	kg (lbs)	**1268.00**	(2795.46)	**1216.00**	(2680.82)	**1156.00**	(2548.54)	**1121.00**	(2471.38)	**1075.00**	(2369.97)	**1021.00**	(2250.92)	**975.00**	(2149.51)	**934.00**	(2059.12)
Deflection	mm (in)	**6.60**	(0.26)	**12.50**	(0.49)	**20.70**	(0.81)	**32.20**	(1.27)	**46.70**	(1.84)	**64.00**	(2.52)	**85.10**	(3.35)	**110.00**	(4.33)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	**1052.00**	(706.90)	**838.00**	(563.17)	**694.00**	(466.39)	**588.00**	(395.16)	**454.00**	(305.10)	**353.70**	(237.70)	**282.00**	(189.51)	**228.90**	(153.83)
Deflection	mm (in)	**9.00**	(0.35)	**17.50**	(0.69)	**30.30**	(1.19)	**47.80**	(1.88)	**63.80**	(2.51)	**80.90**	(3.19)	**100.00**	(3.94)	**121.20**	(4.77)

Span	26.00	(85.30)	28.00	(91.86)	30.00	(98.43)	32.00	(104.99)	34.00	(111.55)	36.00	(118.11)	38.00	(124.67)	40.00	(131.23)	42.00	(137.79)
Centre Point Load (CPL)	**1818.00**	(4008.00)	**1684.00**	(3712.59)	**1547.00**	(3410.55)	**1423.00**	(3137.18)	**1310.00**	(2888.06)	**1206.00**	(2658.78)	**1110.00**	(2447.13)	**1010.00**	(2226.67)	**927.00**	(2043.68)
Deflection	**128.10**	(5.04)	**152.80**	(6.02)	**178.80**	(7.04)	**207.40**	(8.17)	**238.60**	(9.39)	**272.60**	(10.73)	**309.40**	(12.18)	**346.90**	(13.66)	**389.60**	(15.34)
Third Point Load (TPL)	**1302.00**	(2870.42)	**1208.00**	(2663.18)	**1135.00**	(2502.25)	**1067.00**	(2352.33)	**993.00**	(2189.19)	**924.00**	(2037.07)	**867.40**	(1912.29)	**789.10**	(1739.67)	**716.60**	(1579.83)
Deflection	**150.90**	(5.94)	**179.40**	(7.06)	**212.70**	(8.37)	**249.40**	(9.82)	**287.20**	(11.31)	**328.10**	(12.92)	**374.70**	(14.75)	**416.30**	(16.39)	**460.20**	(18.11)
Quarter Point Load (QPL)	**1021.30**	(2251.58)	**925.00**	(2039.28)	**840.00**	(1853.20)	**765.00**	(1686.54)	**696.80**	(1536.18)	**634.90**	(1399.72)	**578.30**	(1274.93)	**526.10**	(1159.85)	**477.80**	(1053.37)
Deflection	**162.70**	(6.41)	**189.30**	(7.45)	**218.20**	(8.59)	**249.20**	(9.81)	**282.50**	(11.12)	**318.20**	(12.53)	**356.20**	(14.02)	**396.60**	(15.61)	**439.50**	(17.30)
Fifth Point Load (FPL)	**851.10**	(1876.35)	**771.10**	(1699.98)	**700.50**	(1544.34)	**637.50**	(1405.45)	**580.70**	(1280.22)	**529.10**	(1166.47)	**481.90**	(1062.41)	**438.40**	(966.51)	**398.10**	(877.66)
Deflection	**171.10**	(6.74)	**198.90**	(7.83)	**228.80**	(9.01)	**261.00**	(10.28)	**295.40**	(11.63)	**332.10**	(13.07)	**371.10**	(14.61)	**412.40**	(16.24)	**456.10**	(17.96)
Uniformly Distributed Load (UDL)	**157.10**	(105.55)	**132.20**	(88.84)	**112.10**	(75.33)	**95.60**	(64.24)	**82.00**	(55.10)	**70.50**	(47.37)	**60.90**	(40.90)	**52.60**	(35.34)	**45.50**	(30.57)
Deflection	**170.00**	(6.69)	**197.60**	(7.78)	**227.40**	(8.95)	**259.40**	(10.21)	**293.60**	(11.56)	**330.20**	(13.00)	**369.00**	(14.53)	**410.20**	(16.15)	**453.80**	(17.89)

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

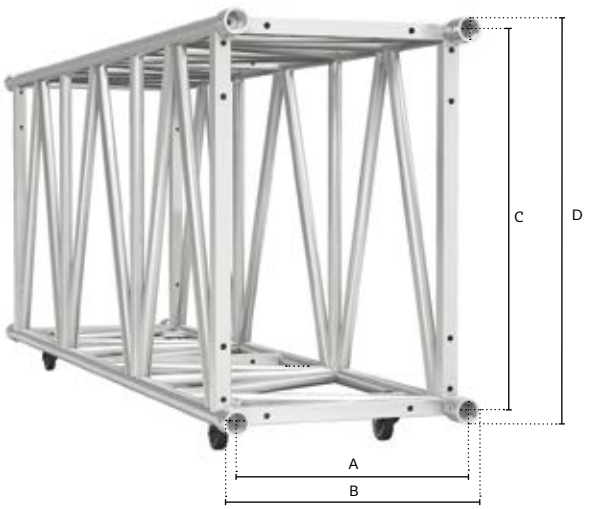
All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included in all listed load capacities • Spans consisting of different truss lengths • Interaction of bending moment and shear 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

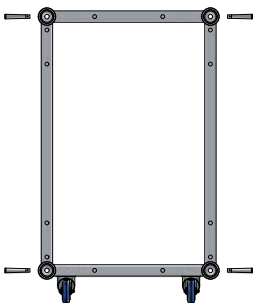
M1200 RTR

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/metre with just 278 mm 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 Connection Type R. This enables fast connection for quick, simple and secure assembly.

- Truss equipped with wheels for easy manipulation
- Incredible robustness, strength and reliability
- Suitable if you need a wide-ranging span
- Main chord of Ø 60 mm 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 of tower truss inside the truss, etc.

RECT





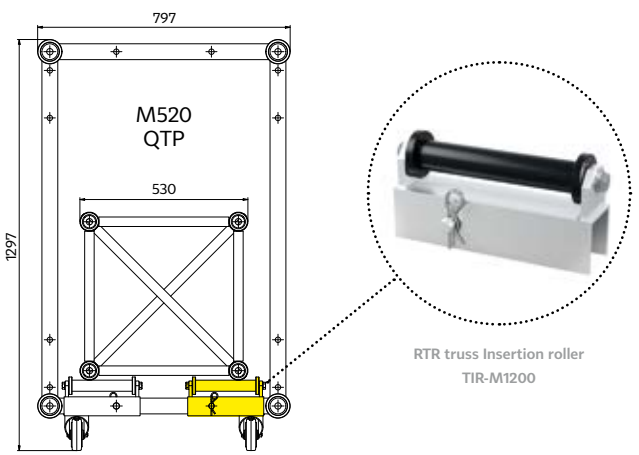
M1200

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

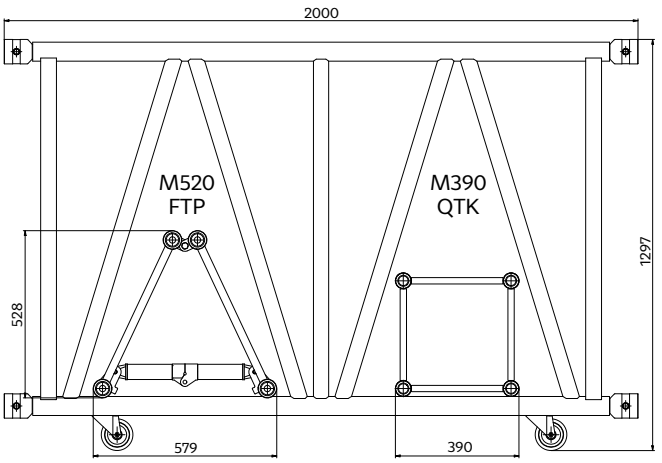
STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	**1.00** (3.28)	**1.50** (4.92)	**2.00** (6.56)	**2.50** (8.20)	**3.00** (9.84)	**3.50** (11.48)	**4.00** (13.12)	**5.00 (16.40)**
M1200	**kg** (lbs)	**47.00** (103.62)	**57.00** (125.66)	**77.00** (169.76)	**85.00** (187.39)	**107.50** (237.00)	**123.00** (271.17)	**138.50** (305.34)	**169.00** (372.58)

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



RTR truss Insertion roller
TIR-M1200



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)

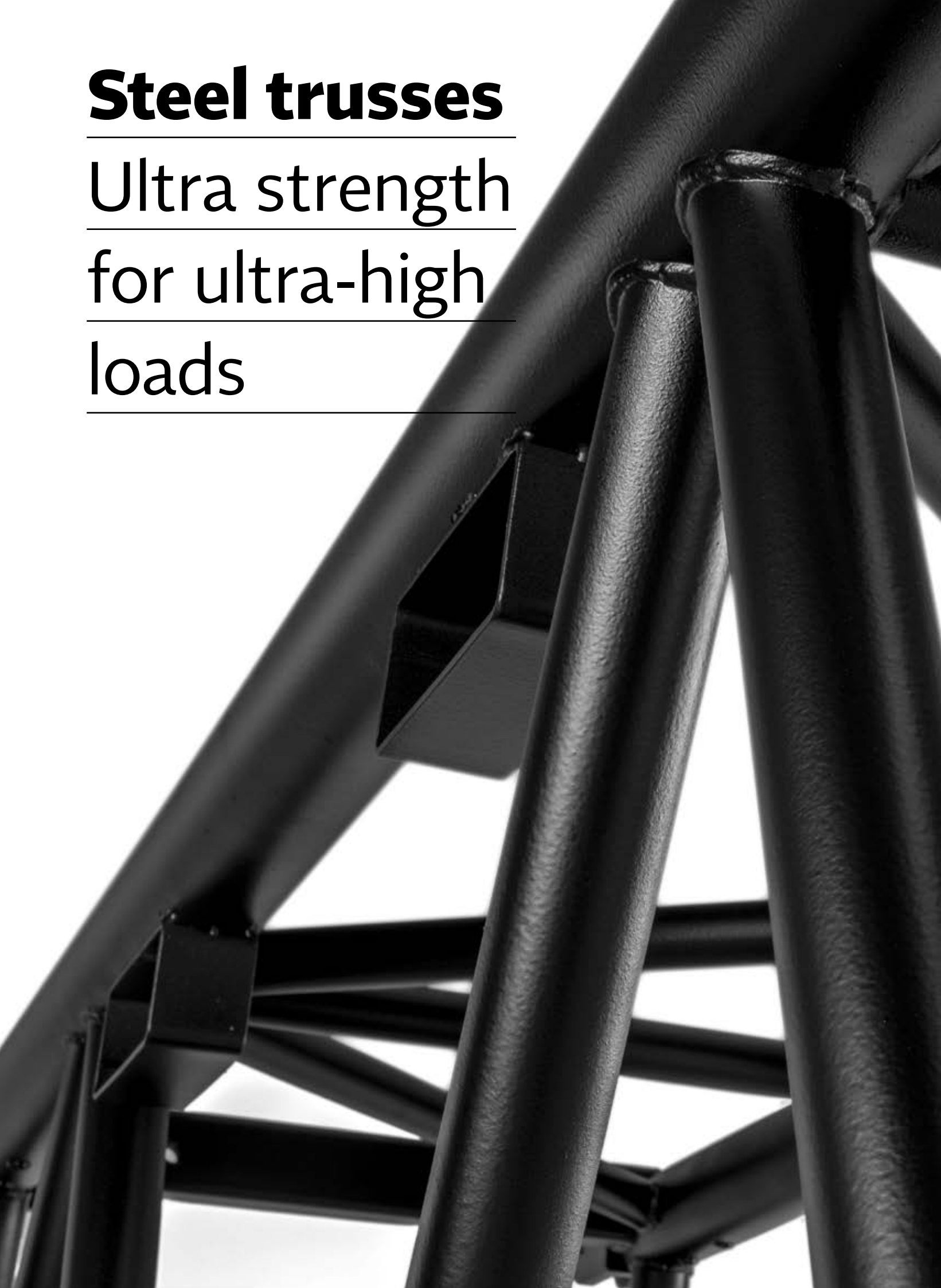
Span	40.00	(131.23)	42.00	(137.79)	44.00	(144.36)	46.00	(150.92)	48.00	(157.48)	50.00	(164.04)
Centre Point Load (CPL)	1845.00	(4067.53)	1707.00	(3763.29)	1579.00	(3481.10)	1460.00	(3218.75)	1349.00	(2974.04)	1245.00	(2744.76)
Deflection	292.00	(11.50)	325.00	(12.80)	360.00	(14.17)	396.00	(15.59)	435.00	(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)

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



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for full range

S-M530 Quatro

- 530×530 mm 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") 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

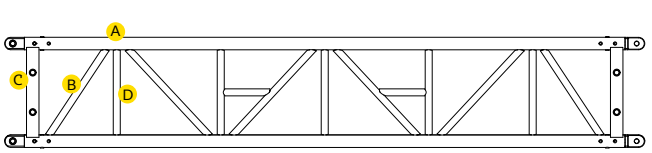
S-M530 Quatro Tower truss section

		Main chords A:	Diagonals B:	End braces C:	Intermediate cross braces D:	Pin type:
S-QTPT	mm / in	**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**

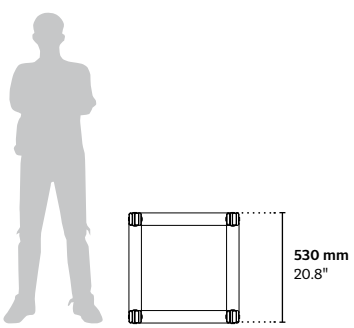
STANDARD LENGTHS AND WEIGHTS AVAILABLE

	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)
S-QTPT	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)

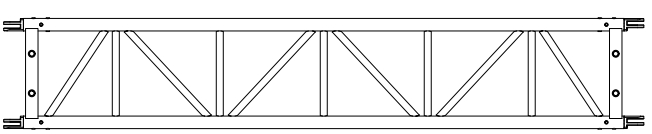
Connection material and packaging are not included in above weights



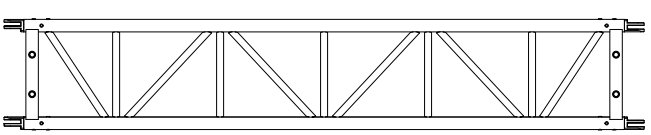
Side view



End view



Top view



Bottom view

S-QTPT

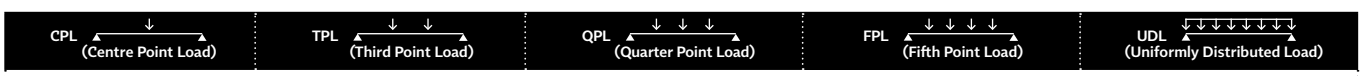
LOADING CHART

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)



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-M780 Quatro

- 780×780 mm 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") 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

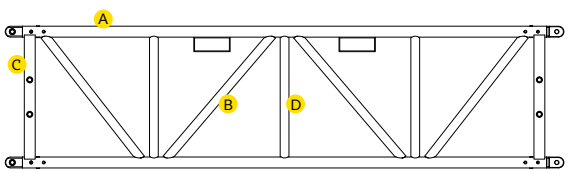
Main chords A:	Diagonals B:	End braces C:	Intermediate cross braces D:	Pin type:
60.3×4 (2.4×0.16)	**48.3×3.2** (1.9×0.1)	**60×60×4** (2.4×2.4×0.16)	**48.3×3.2** (1.9×0.1)	PQ

STANDARD LENGTHS AND WEIGHTS AVAILABLE

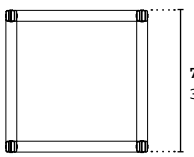
S-QTQT | m | ft | kg | lbs

1.00 (3.28)	**2.00** (6.56)	**2.50** (8.20)	**3.00** (9.84)	**4.00** (13.12)	**5.00** (16.41)	**6.00** (19.68)
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)

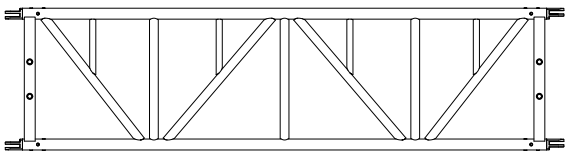
Connection material and packaging are not included in above weights



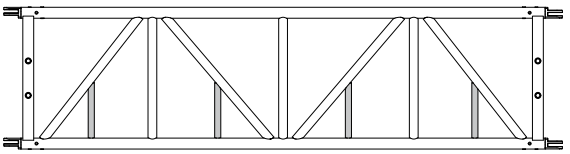
Side view



End view



Top view



Bottom view

S-QTQT

LOADING CHART

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)	3717.00	(8195.00)	3406.00	(7509.00)
Deflection	mm (in)	14.00	(0.55)	20.00	(0.79)	29.00	(1.14)	38.00	(1.50)	46.00	(1.81)	55.00	(2.17)	64.00	(2.52)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2706.00	(1818.00)	2360.00	(1586.00)	2090.00	(1404.00)	1875.00	(1260.00)	1699.00	(1142.00)	1487.00	(999.00)	1257.00	(845.00)
Deflection	mm (in)	11.00	(0.43)	17.00	(0.67)	24.00	(0.94)	33.00	(1.30)	44.00	(1.73)	54.00	(2.13)	64.00	(2.52)

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

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

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

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

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 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 Rect

- 1010×580 mm 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") 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

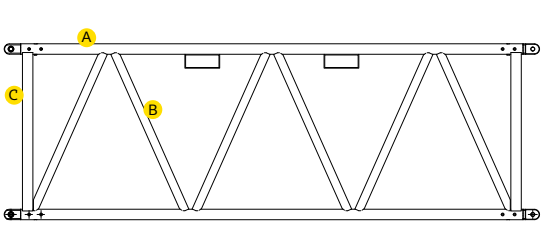
S-M1010 Rectangular truss section

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

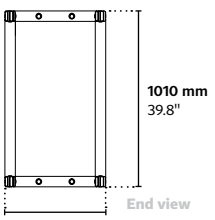
STANDARD LENGTHS AND WEIGHTS AVAILABLE

	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)
S-RTD	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)

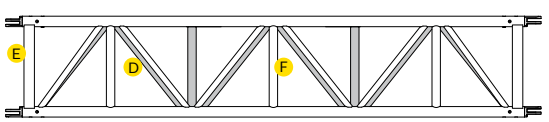
Connection material and packaging are not included in above weights



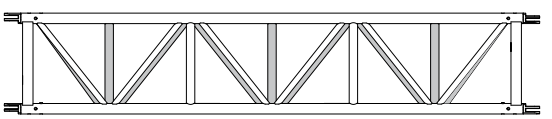
Side view



End view



Top view



Bottom view

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	(280649)	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 (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 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 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") holes for connecting e.g. wind bracings
- Optimised truss design for convenient insertion of lateral truss
- Integrated forklift pick-up points, double fork connectors, zinc-coated pins and matt black, impact-resistant industrial paint finish

Fork connectors

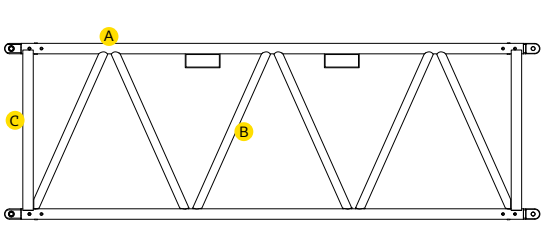
S-M1010 Triangular truss section

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

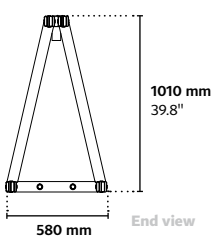
STANDARD LENGTHS AND WEIGHTS AVAILABLE

	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)
S-FTD	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)

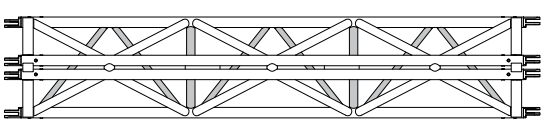
Connection material and packaging are not included in above weights



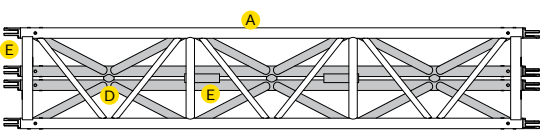
Side view



End view



Top view



Bottom view

S-FTD

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)	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	(1465.00)	1976.00	(1328.00)	1806.00	(1214.00)	1663.00	(1117.00)	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)

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-M1450 Rect

- 1451×771 mm 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") 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

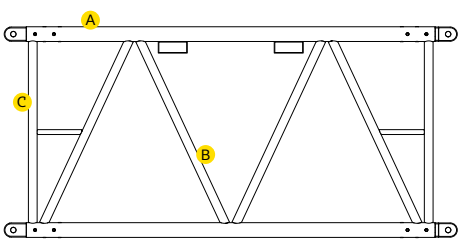
S-M1450 Rectangular truss section

			Vertical		Horizontal			
		Main chords A:	Diagonals B:	End braces C:	Diagonals D:	End braces E:	Intermediate cross braces F:	Pin type:
S-RTW	mm / in	**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

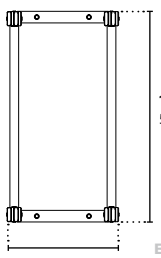
STANDARD LENGTHS AND WEIGHTS AVAILABLE

	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)
S-RTW	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)

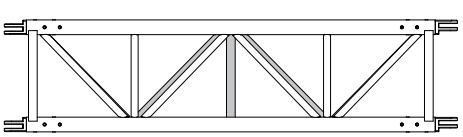
Connection material and packaging are not included in above weights



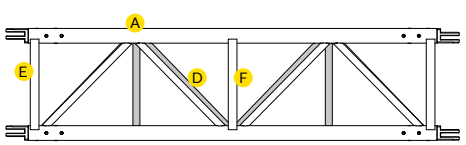
Side view



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	(1386928)	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)

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-M2000 Fold

- 2002×772 mm 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

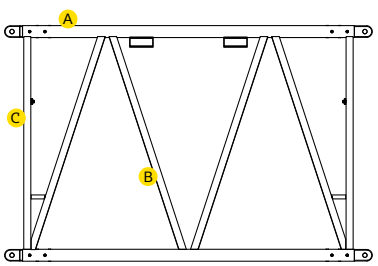
			Vertical		Horizontal	
		Main chords A:	Diagonals B:	End braces C:	Diagonals D:	Pin type:
S-FTZ	mm / in	**101.6×4** (4×0.16)	**60×60×4** (2.4×2.4×0.16)	**60×60×4** (2.4×2.4×0.16)	**48.3×3.2** (1.9×0.1)	PW-FTZ & PW

STANDARD LENGTHS AND WEIGHTS AVAILABLE

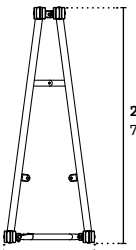
	m / ft	**1.00** (3.28)	**2.00** (6.56)	**2.50** (8.20)	**3.00** (9.84)	**4.00** (13.12)	**5.00** (16.41)	**6.00** (19.68)
S-FTZ	kg / lbs	**243.20** (536.16)	**350.00** (771.62)	**387.20** (853.62)	**424.30** (935.42)	**525.40** (1158.31)	**627.10** (1382.52)	**728.70** (1606.51)

Connection material and packaging are not included in above weights

In-service



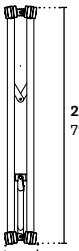
Side view



772 mm
30.4"

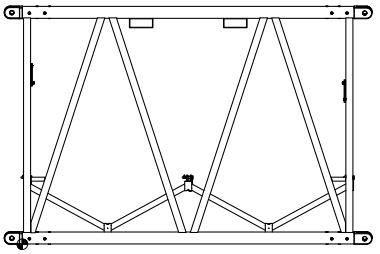
End view

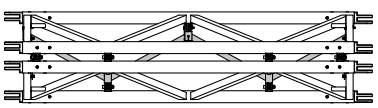
Transport mode



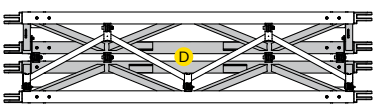
273 mm
10.7"

End view





Top view



Bottom view

S-FTZ

LOADING CHART

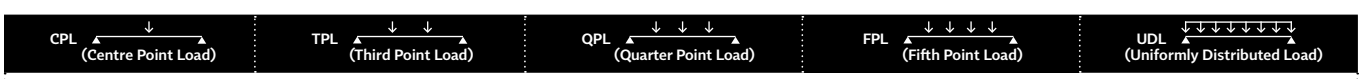
Span	m (ft)	25.00	(82.00)	26.00	(85.30)	27.00	(88.60)	28.00	(91.90)	29.00	(95.10)	30.00	(98.40)	31.00	(101.70)
Centre Point Load (CPL)	kg (lbs)	24932.00	(54966.00)	23858.00	(52598.00)	22860.00	(50398.00)	21928.00	(48343.00)	21057.00	(46423.00)	20240.00	(44622.00)	19472.00	(42928.00)
Deflection	mm (in)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

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

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

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

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



All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loading only • Loads applied at the node points • Self-weight of the truss is included • Spans consisting of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 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

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

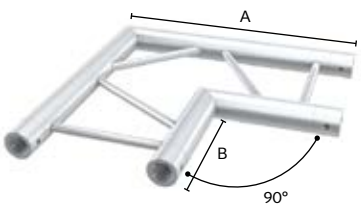
DUO straights and junctions

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	BTK/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)

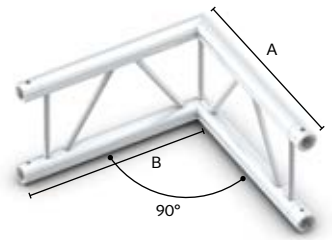
*excluding connection material



2-WAY HORIZONTAL CORNER 90°

Series	Code	A	B	C	kg
M222	HM21|2way90dg	400	178	–	1.6
M290	HB/HV21|2way90dg	500	210	–	2.4
M390	HK/HL21|2way90dg	600	210	–	3.0

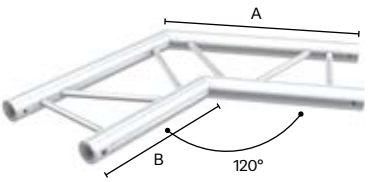
To calculate inches and pounds (25.4 mm = 1 inch) (kg×2.204 = lbs)



2-WAY VERTICAL CORNER 90°

Series	Code	A	B	C	kg
M222	VM21|2way90dg	400	368	–	1.6
M290	VB/VV21|2way90dg	500	450	–	2.4
M390	VK/VL21|2way90dg	600	550	–	3.0

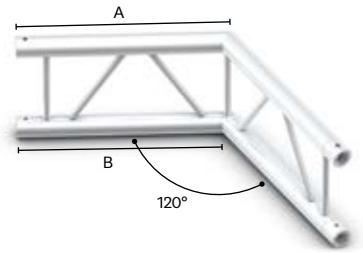
To calculate inches and pounds (25.4 mm = 1 inch) (kg×2.204 = lbs)



2-WAY HORIZONTAL CORNER 120°

Series	Code	A	B	C	kg
M222	HM22|2way120dg	400	272	–	1.6
M290	HB/HV22|2way120dg	500	333	–	2.4

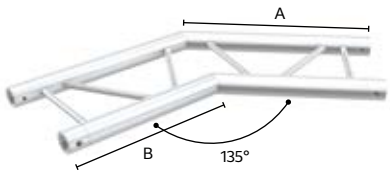
To calculate inches and pounds (25.4 mm = 1 inch) (kg×2.204 = lbs)



2-WAY VERTICAL CORNER 120°

Series	Code	A	B	C	kg
M222	VM22|2way120dg	400	382	–	1.6
M290	VB/VV22|2way**120dg**	500	471	–	2.4

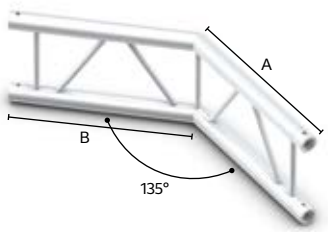
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY HORIZONTAL CORNER 135°

Series	Code	A	B	C	kg
M222	HM23|2way135dg	400	308	–	1.6
M290	HB/HV23|2way135dg	500	380	–	2.4

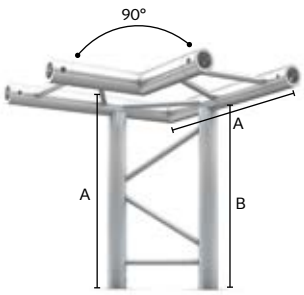
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY VERTICAL CORNER 135°

Series	Code	A	B	C	kg
M222	VM23|2way135dg	400	387	–	1.6
M290	VB/VV23|2way135dg	500	479	–	2.4

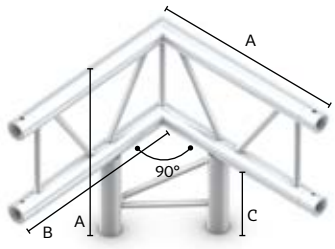
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY HORIZONTAL CORNER 90° LEG DOWN

Series	Code	A	B	C	kg
M222	HM31|3way90dg	400	368	–	1.6
M290	HB/HV31|3way90dg	500	450	–	4.2

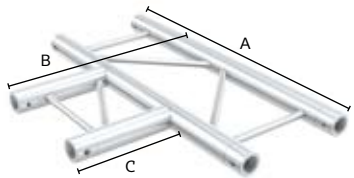
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY VERTICAL CORNER 90° LEG DOWN

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

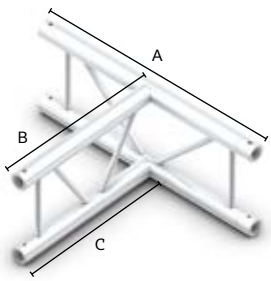
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY HORIZONTAL T-PIECE

Series	Code	A	B	C	kg
M222	HM35|3wayT	578	400	178	1.6
M290	HB/HV35|3wayT	710	500	210	4.2
M290	HUU35|3wayT	500	500	210	3.4

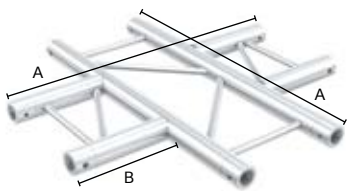
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY VERTICAL T-PIECE

Series	Code	A	B	C	kg
M222	VM36|3wayT	578	400	368	1.6
M290	VB/VV36|3wayT	710	500	450	4.2
M290	VUU36|3wayT	500	500	450	3.1

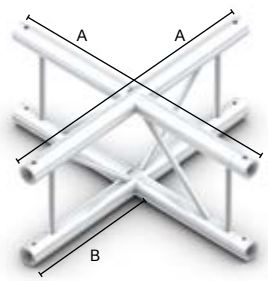
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY HORIZONTAL CROSS PIECE

Series	Code	A	B	C	kg
M222	HM41|4way	578	179	–	2.0
M290	HB/HV41|4way	710	210	–	4.2
M290	HUU41|4way	500	105	–	2.7

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



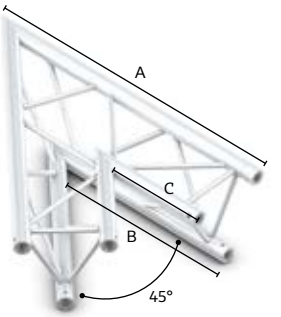
4-WAY VERTICAL CROSS PIECE

Series	Code	A	B	C	kg
M222	VM41|4way	578	368	–	2.0
M290	VB/VV41|4way	710	330	–	4.2
M290	VUU41|4way	500	225	–	3.2

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

NOTE **M290 / M390 dimensions are identical for F and U versions**

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	STK/STL		500	1000	1500	2000	2500	3000	4000	5000

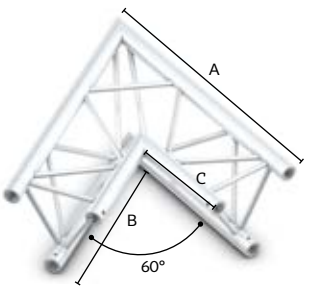
	STM	STB	STV	STK	STL
Weight of 1 m/kg* (3.28 ft/lbs)	2.30 (5.01)	4.50 (9.92)	5.00 (11.0)	4.95 (10.9)	5.75 (12.7)

*excluding connection material

2-WAY CORNER 45°

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

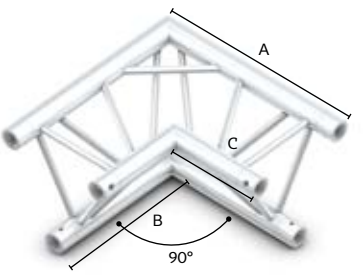
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 60°

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

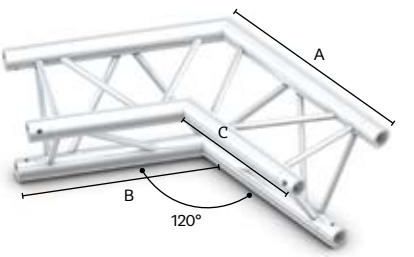
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 90°

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

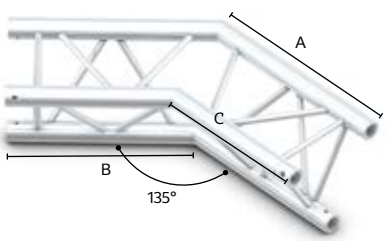
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 120°

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

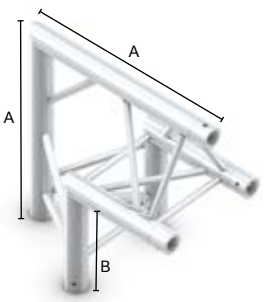
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 135°

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

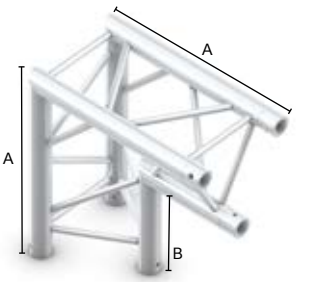
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 90° APEX OUT

Series	Code	A	B	C	kg
M222	ACM24|2way90dg	400	204	–	2.2
M290	ACB/ACV24|2way90dg	500	242	–	4.8

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

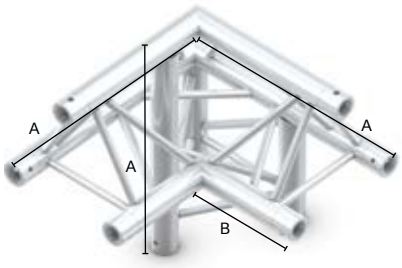


2-WAY CORNER 90° APEX IN

Series	Code	A	B	C	kg
M222	ACM25|2way90dg	400	204	–	2.2
M290	ACB/ACV25|2way90dg	500	242	–	4.8

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

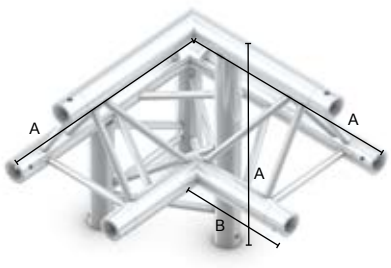
NOTE M290 / M390 dimensions are identical for F and U versions



3-WAY CORNER 90° APEX UP RIGHT

Series	Code	A	B	C	kg
M222	ALM31|3way90dg	400	178	–	2.9
M290	ALB/ALV31|3way90dg	500	210	–	7.2

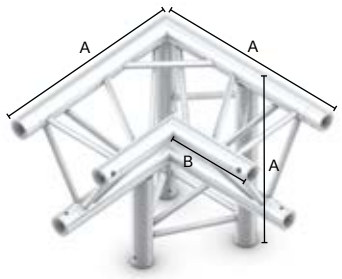
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY CORNER 90° APEX UP LEFT

Series	Code	A	B	C	kg
M222	ALM32|3way90dg	400	178	–	2.9
M290	ALB/ALV32|3way90dg	500	210	–	7.2

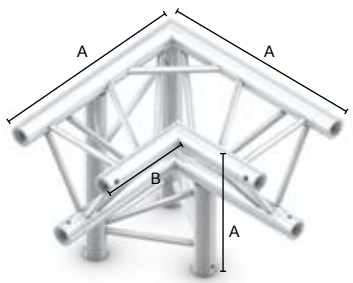
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY CORNER 90° APEX DOWN RIGHT

Series	Code	A	B	C	kg
M222	ALM33|3way90dg	400	178	–	2.9
M290	ALB/ALV33|3way90dg	500	210	–	7.2

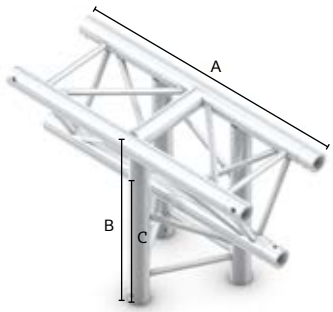
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY CORNER 90° APEX DOWN LEFT

Series	Code	A	B	C	kg
M222	ALM34|3way90dg	400	178	–	2.9
M290	ALB/ALV34|3way90dg	500	210	–	7.2

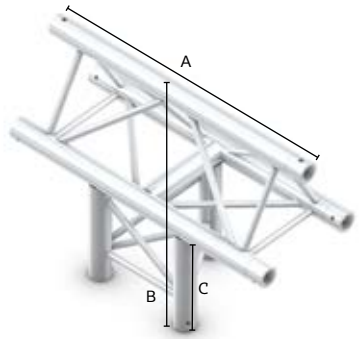
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY VERTICAL T-PIECE APEX DOWN

Series	Code	A	B	C	kg
M222	ATM35|3wayT	578	400	203	2.9
M290	ATB/ATV35|3wayT	710	500	242	7.2
M290	ATUU35|3wayT	500	500	242	4.8

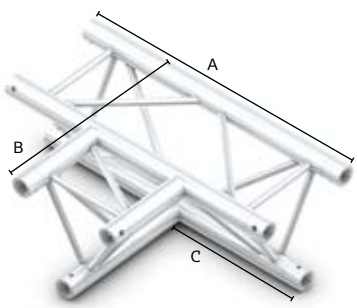
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY VERTICAL T-PIECE APEX UP

Series	Code	A	B	C	kg
M222	ATM35B|3wayT	578	400	203	2.9
M290	ATB/ATV35B|3wayT	710	500	242	7.2
M290	ATUU35B|3WAYT	500	500	242	4.7

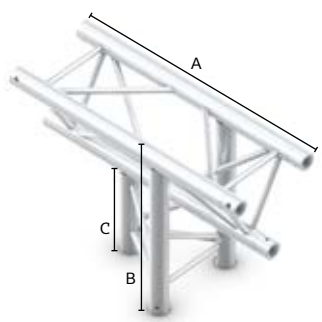
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY HORIZONTAL T-PIECE

Series	Code	A	B	C	kg
M222	ATM36|3wayT	578	400	273	2.9
M290	ATB/ATV36|3wayT	710	500	330	7.2
M290	ATUU36|3wayT	500	500	330	4.2
M390	ATK/ATL36|3wayT	810	600	380	8.1

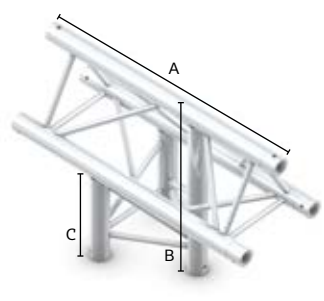
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY VERTICAL T-PIECE APEX DOWN

Series	Code	A	B	C	kg
M222	ATM37|3wayT	603.5	400	203	3.1
M290	ATB/ATV37|3wayT	742	500	242	7.2
M290	ATUU37|3wayT	500	500	242	4.5

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

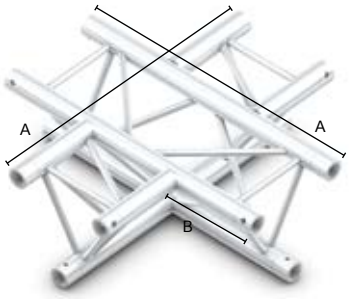


3-WAY VERTICAL T-PIECE APEX UP

Series	Code	A	B	C	kg
M222	ATM37B|3wayT	603.5	400	203	3.1
M290	ATB/ATV37B|3wayT	742	500	242	7.2
M290	ATUU37B|3wayT	500	500	242	4.4

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

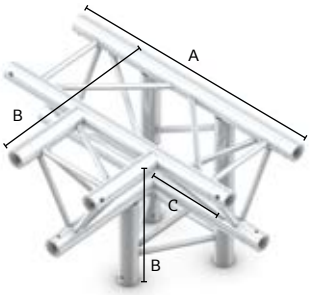
NOTE M290 / M390 dimensions are identical for F and U versions



4-WAY CROSS PIECE

Series	Code	A	B	C	kg
M222	ACM41|4way	578	178	–	3.5
M290	ACB/ACV41|4way	710	210	–	9.6
M290	ACUU41|4way	500	105	–	4.7

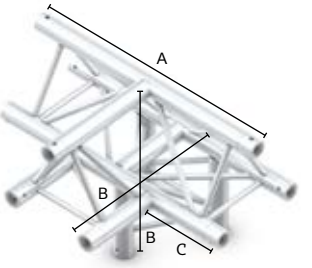
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY T-PIECE APEX DOWN

Series	Code	A	B	C	kg
M222	ATM42|4wayT	578	400	273	3.5
M290	ATB/ATV42|4wayT	710	500	330	9.6
M290	ATUU42|4wayT	500	500	330	6.1

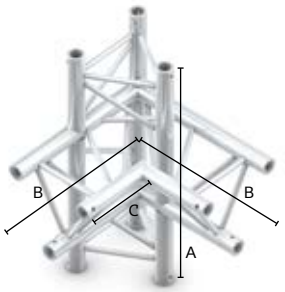
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY T-PIECE APEX UP

Series	Code	A	B	C	kg
M222	ATM43|4wayT	578	400	178	3.5
M290	ATB43|4wayT	710	500	210	9.6
M290	ATUU43|4WAYT	500	500	210	6.0

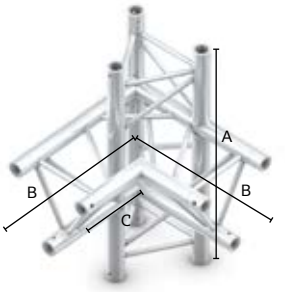
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY CORNER 90° RIGHT

Series	Code	A	B	C	kg
M222	ACM44|4way90dg	603.5	400	273	3.5
M290	ACB44|4way90dg	742	500	330	9.6
M290	ACUU44|4way90dg	500	500	330	5.9

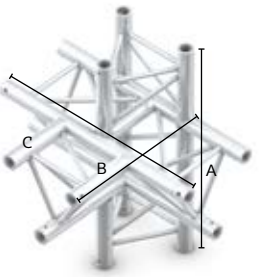
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY CORNER 90° LEFT

Series	Code	A	B	C	kg
M222	ACM45|4way90dg	603.5	400	273	3.5
M290	ACB45|4way90dg	742	500	330	9.6
M290	ACUU45|4way90dg	500	500	330	5.9

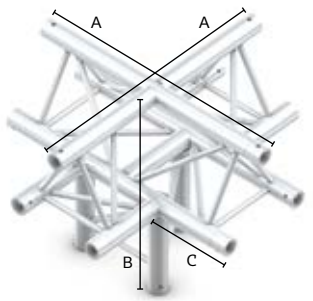
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



5-WAY T-PIECE

Series	Code	A	B	C	kg
M222	ATM51|5wayT	603.5	400	578	3.8
M290	ATB51|5wayT	742	500	710	12
M290	ATUU51|5wayT	500	500	710	6.5

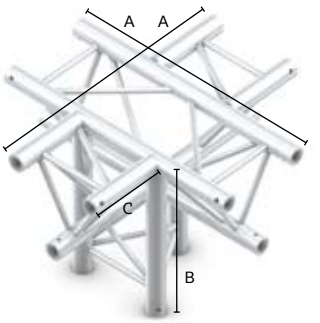
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



5-WAY CROSS DOWN LEG APEX UP

Series	Code	A	B	C	kg
M222	ACM52|5way	578	400	178	3.8
M290	ACB52|5way	710	500	210	12
M290	ACUU52|5way	500	500	210	6.2

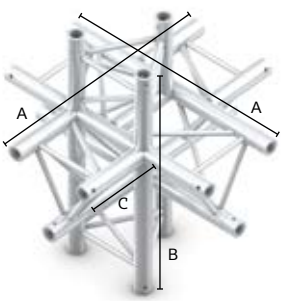
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



5-WAY CROSS DOWN LEG APEX DOWN

Series	Code	A	B	C	kg
M222	ACM53|5way	578	400	178	3.8
M290	ACB53|5way	710	500	210	12
M290	ACUU53|5way	500	500	210	6.4

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



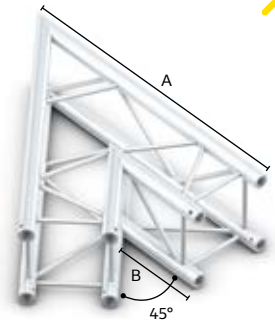
6-WAY T-PIECE

Series	Code	A	B	C	kg
M222	ACM61|6wayT	578	603.5	178	4.5
M290	ACB61|6wayT	710	742	210	14.4
M290	ACUU61|6wayT	500	742	210	6.9

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

NOTE M290 / M390 dimensions are identical for F and U versions

QUATRO straights and junctions



STRAIGHTS

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

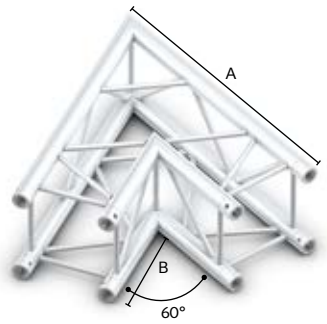
	QTM	QTB	QTV	QTK	QTL
Weight of 1 m/kg* (3.28 ft/lbs)	3.50 (7.71)	5.90 (13.0)	6.40 (14.1)	6.50 (14.3)	7.10 (15.7)

*excluding connection material

2-WAY CORNER 45°

Series	Code	A	B	C	kg
M222	QCM19|2way45dg	800	264	–	3.5
M290	QCB/QCV19|2way45dg	1000	300	–	8.1
M390	QCK/QCL19|2way45dg	1200	258	–	11.2

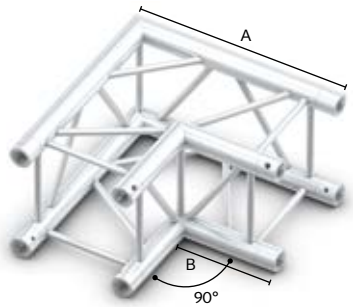
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 60°

Series	Code	A	B	C	kg
M222	QCM20|2way60dg	600	215	–	3.3
M290	QCB/QCV20|2way60dg	800	298	–	7.2
M390	QCK/QCL20|2way60dg	1000	325	–	11.2

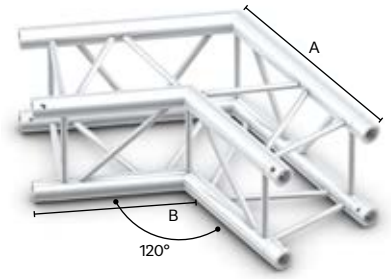
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 90°

Series	Code	A	B	C	kg
M222	QCM21|2way90dg	400	178	–	3.1
M290	QCB/QCV21|2way90dg	500	210	–	6.6
M390	QCK/QCL21|2way90dg	600	210	–	8.9

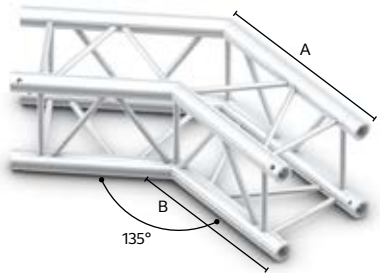
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 120°

Series	Code	A	B	C	kg
M222	QCM22|2way120dg	400	272	–	3.3
M290	QCB/QCV22|2way120dg	500	333	–	6.6
M390	QCK/QCL22|2way120dg	600	375	–	8.9

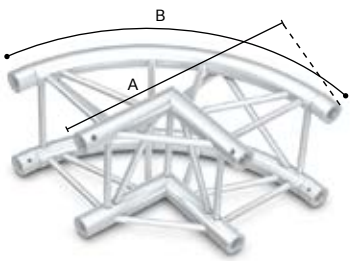
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CORNER 135°

Series	Code	A	B	C	kg
M222	QCM23|2way135dg	400	308	–	3.3
M290	QCB/QCV23|2way135dg	500	380	–	6.6
M390	QCK/QCL23|2way135dg	600	438	–	8.9

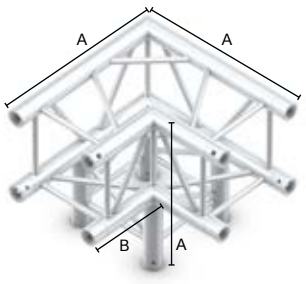
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



2-WAY CURVED CORNER 90°

Series	Code	A	B	C	kg
M290	QCB21KRS|2way90dg	500	785	-	6.6

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

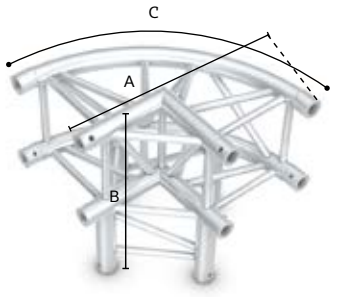


3-WAY CORNER 90°

Series	Code	A	B	C	kg
M222	QLM30|3way90dg	400	179	–	4.0
M290	QLB/QLV30|3way90dg	500	210	–	9.6
M390	QLK/QLL30|3way90dg	600	210	–	11.4

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

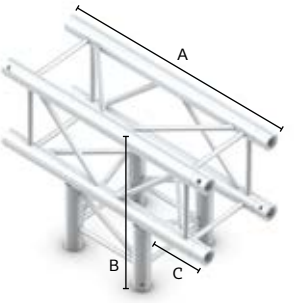
NOTE M290 / M390 dimensions are identical for F and U versions



3-WAY CURVED CORNER 90°

Series	Code	A	B	C	kg
M290	QLB30KRS|2way90dg	500	500	785	9.6

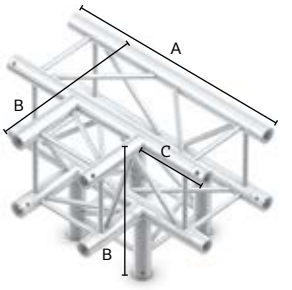
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



3-WAY T-PIECE

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

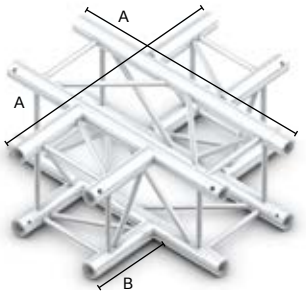
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY T-PIECE LEG DOWN

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

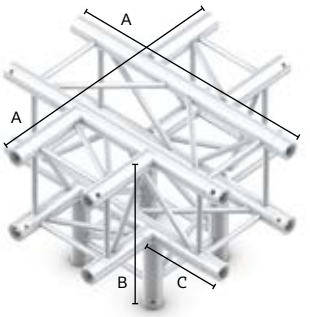
To calculate inches and pounds (25.4 mm = 1 inch)
(kg×2.204 = lbs)



4-WAY CROSS PIECE

Series	Code	A	B	C	kg
M222	QCM41|4way	578	179	–	4.4
M290	QCB/QCV41|4way	710	210	–	12.6
M290	QCUU41|4way	500	210	–	7.2
M390	QCK/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	QCB/QCV51|5way	710	500	210	16.2
M290	QCUU51|5WAY	500	500	210	7.7
M390	QCK/QCL51|5way	810	600	210	18.1

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

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

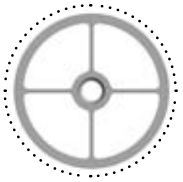
MULTICUBE FOR M222 QUATRO SERIES

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

mm / in

Suitable fittings: **CON85M|FemalePin** or **CON77M|MalePin**

Heavy-duty



Regular

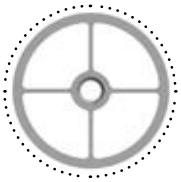
MULTICUBE FOR M290 QUATRO SERIES

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

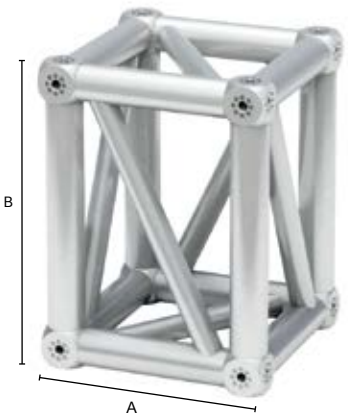
mm / in

Suitable fittings: **CON63B|MalePin** or **CON64B|FemalePin**

Heavy-duty



Regular



MULTICUBE FOR M390 QUATRO SERIES

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

mm / in

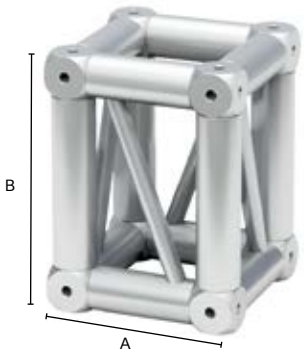
Suitable fittings: **CON63B|MalePin** or **CON64B|FemalePin**

MULTICUBE FOR M290×390 RECT SERIES

Series	Code	A	B	kg	lbs
M290×390	RC-M290/M390-HD	288.4 (11.35)	388.4 (15.29)	7.0 (15.4)	

mm / in

Suitable fittings: **CON63B|MalePin** or **CON64B|FemalePin**



MULTICUBE FOR M400 RECT SERIES

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

mm | in

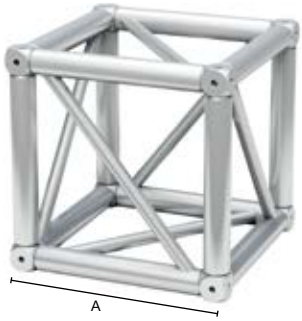
Suitable fittings: **CON47O|Female**

MULTICUBE FOR M400 QUATRO SERIES

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

mm | in

Suitable fittings: **CON47O|Female**

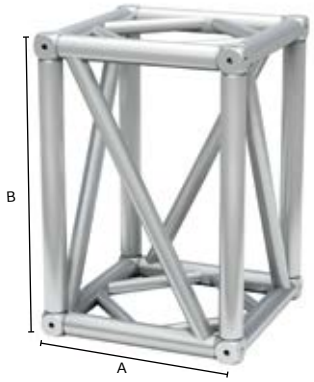


MULTICUBE FOR M520 QUATRO SERIES

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

mm | in

Suitable fittings: **CON47O|Female**

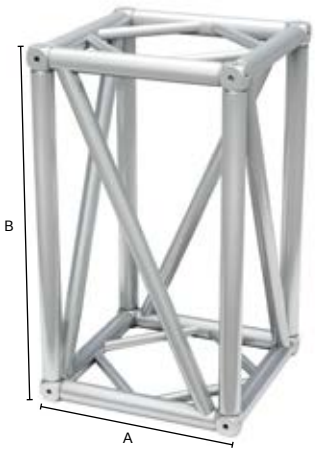


MULTICUBE FOR M760 RECT SERIES

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

mm | in

Suitable fittings: **CON47O|Female**



MULTICUBE FOR M950 RECT SERIES

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

mm | in

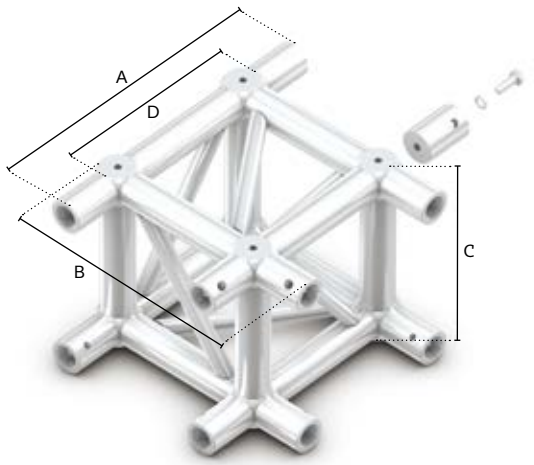
Suitable fittings: CON47O|Female

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

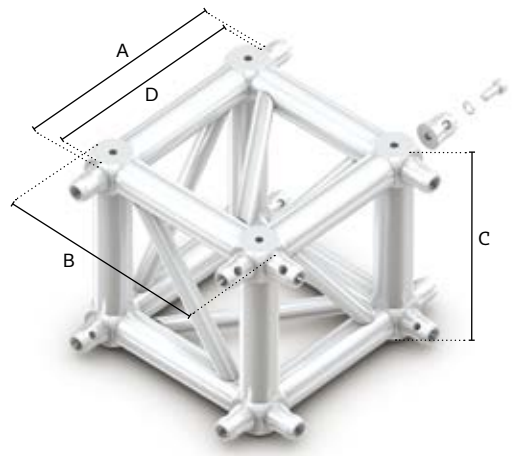


DIMENSIONS – FOR FEMALE CONNECTOR USE

Cube type	A	B	C	D
M222	**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	CON47O|Female	O Multicube	M16×40 HEX	d16.2/27.4	**90.0** (3.54)
M520					
M760					
M950					

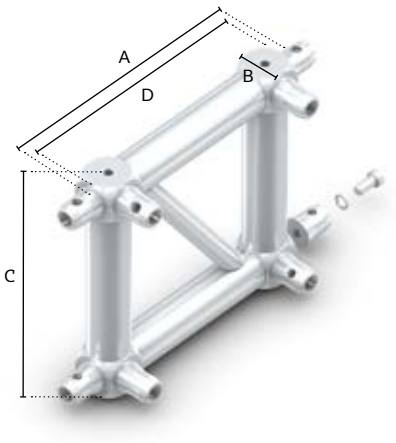


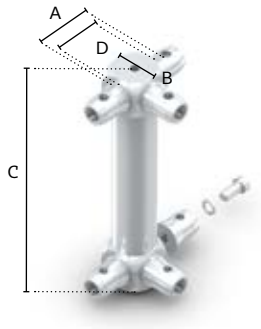
DIMENSIONS – FOR MALE HALF CONNECTOR USE

Cube type	A	B	C	D
M222	**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	mm / in	A	B	C	D
QC/BC-M222	mm	**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	mm / in	A	B	C	D
BC-M222	mm	**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

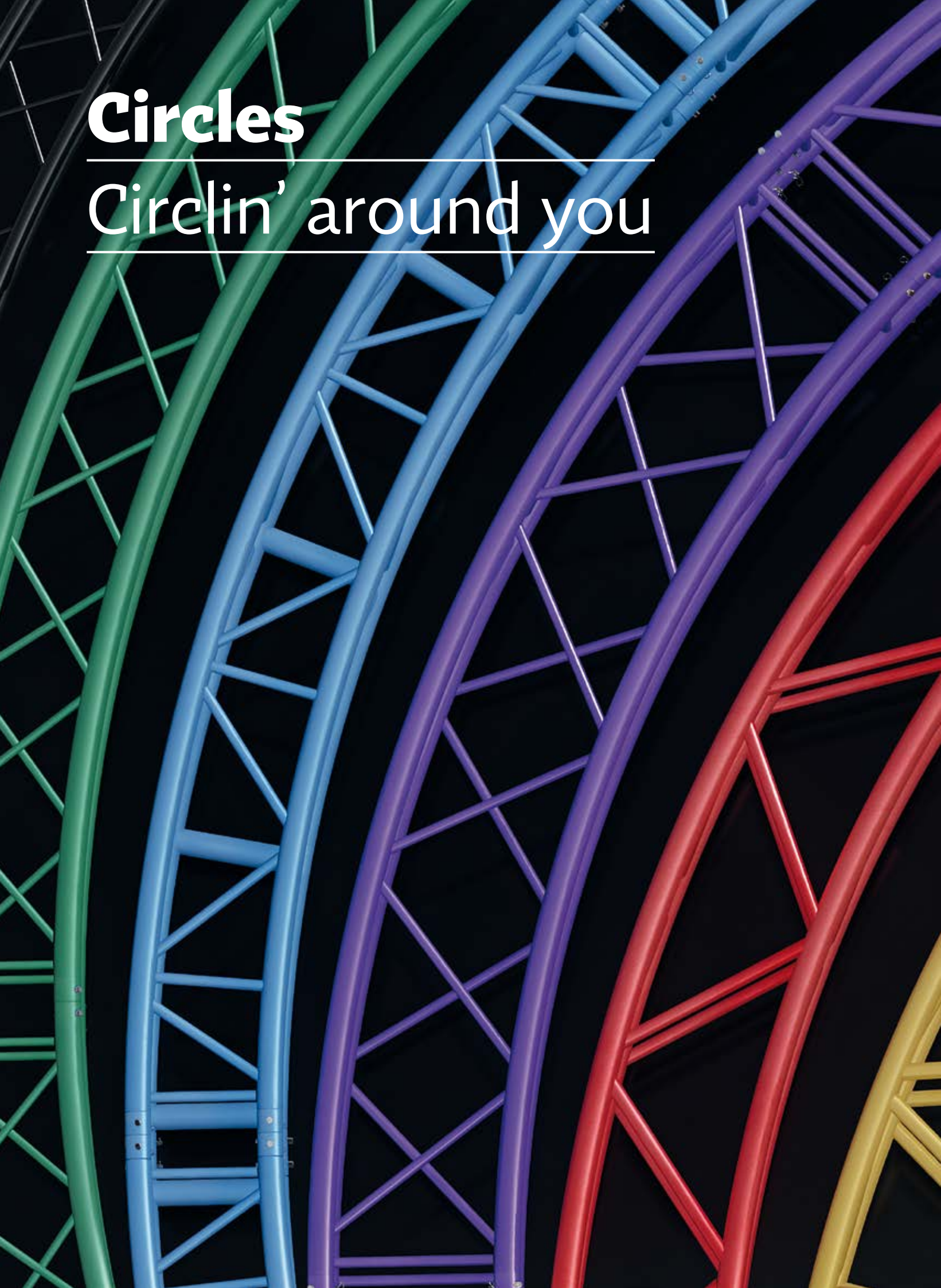
Cube type	CON code	Male connector	Bolt	Washer	mm / in	Shoulder length
M222	CON62	MM-D10-steel	M10×16 ALLEN; 8.8	d10.2/16	mm	**1.0** (0.04)
M290	CON63B|MalePin	BM/D12-steel-K6×10	M12×25 ALLEN; 10.9	d12.2/18		**1.0** (0.04)
M390	CON63F|MalePin	FM/D12-steel-K6×10	M12×25 ALLEN; 10.9	d12.2/18		**1.0** (0.04)

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 ¼, ½, ¾ or together with standard straight truss and junctions
- Multiple choices for segment configuration
- Circles for bigger truss types (M490-M950) on request

STANDARD SINGLE TUBE CIRCLES

Diameter	**3 m** (9.84')	**4m** (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

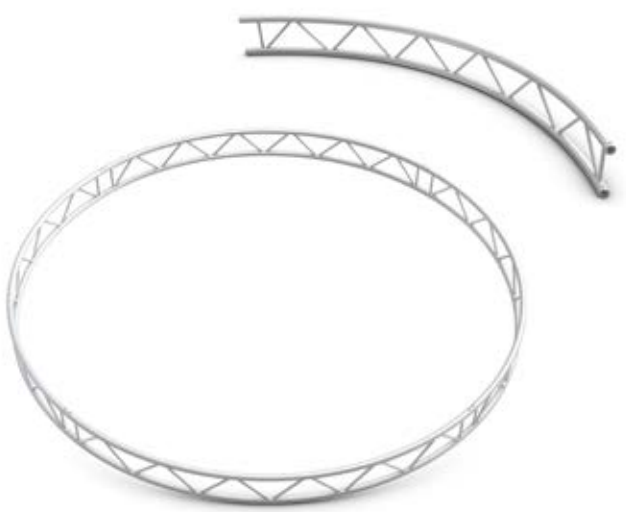
F- and U-compatible versions available.

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	–	☐	☐	☐	☐	☐

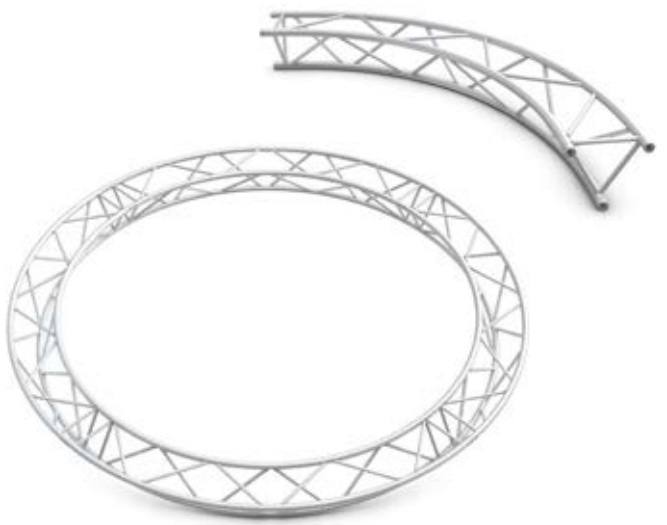


Series	Outer diameter	Segments	Code
M222	**2 m** (6.56')	4	CrBTMd2000|4/4|h
M222	**2 m** (6.56')	4	CrBTMd2000|4/4|v
M222	**3 m** (9.84')	4	CrBTMd3000|4/4|h
M222	**3 m** (9.84')	4	CrBTMd3000|4/4|v
M222	**4 m** (13.12')	4	CrBTMd4000|4/4|h
M222	**4 m** (13.12')	4	CrBTMd4000|4/4|v
M290	**2 m** (6.56')	2	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.

Circles

Furniture and DJ kits

Tune up your accessories

Use QR code
for full range

Furniture and DJ kits

- Moving light masts and totems
- Lecterns and display plinths
- Truss socks and sleeves
- Truss bar stools and tables

Aluminium bar stool

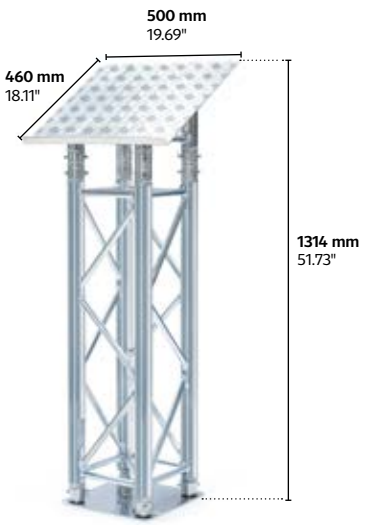
Code	kg	lbs
MMD125	6.00	(13.22)

With curved legs

Aluminium bar table

Code	kg	lbs
MMD162	11.60	(25.57)

With curved legs



Curved lectern

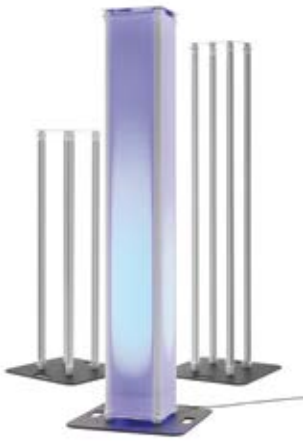
Code	kg	lbs
MMD141B	7.00	(15.43)

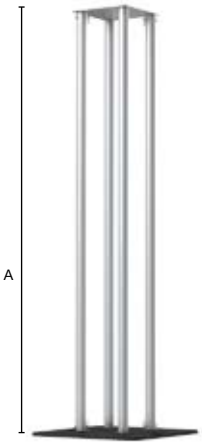
Includes replaceable top made of sheet aluminium with pencil stop. Curved legs.

Rectangular lectern

Code	kg	lbs
MMD143B-32DG	12.20	(26.89)

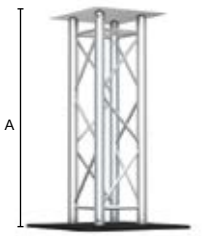
Includes replaceable top made of sheet aluminium with pencil stop. Square leg base.





GLOW Ttotems

Code	m / ft	Height	kg / lbs	Weight	mm / in	Tubes	plates	sleeve
GlotemM100B-1500BL	m	**1.5** (4'-11.10")	kg	**36.00** (79.35)	mm	**50×2** (2"×0.08")	Top: BBPQC	Black or white stretch fabric, B1 fire retardant
GlotemM100B-2000BL		**2.0** (6'-6.70")		**37.50** (82.65)		**50×2** (2"×0.08")		
GlotemM100B-2500BL		**2.5** (8'-2.40")		**39.00** (85.96)		**50×2** (2"×0.08")	Botom: BBP600×600|QTB|STEEL	



TRUSS totems

Code	m / ft	Height	kg / lbs	Weight	mm / in	Tubes	Plates	Sleeve
MMD132B-1000	m	**1.0** (3'-3.40")	kg	**34.60** (76.26)	mm	**50×2** (2"×0.08")	Top: BBPQC	M290 QUATRO
MMD132B-2000		**2.0** (6'-6.70")		**41.00** (90.36)		**50×2** (2"×0.08")		
MMD132B-3000		**3.0** (9'-10.10")		**46.50** (102.49)		**50×2** (2"×0.08")	Botom: BBP600×600|QTB|STEEL	

TRU-SLE-M290|WH

Series	kg / lbs
M290	**5.5/25 m** (12.13/82')

Truss textile sleeve for M290 Quatro
White, B1 fire retardant textile
Available lengths: 1.5 m, 2 m, 2.5 m or 25 m sleeve

TRU-SLE-M290|BL

Series	kg / lbs
M290	**5.5/25 m** (12.13/82')

Truss textile sleeve for M290 Quatro
Black, B1 fire retardant textile
Available lengths: 1.5 m, 2 m, 2.5 m or 25 m sleeve

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

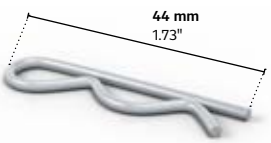
Series	kg	lbs
M222	**0.02** (0.04)	

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** (0.01)	

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

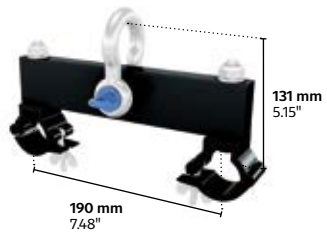
Series	kg	lbs
M222	**0.12** (0.26)	

Spacer M 30 mm (1.18")

CCMD40

Series	kg	lbs
M222	**0.14** (0.31)	

Spacer M 40 mm (1.58")



CS-M222|COLOR

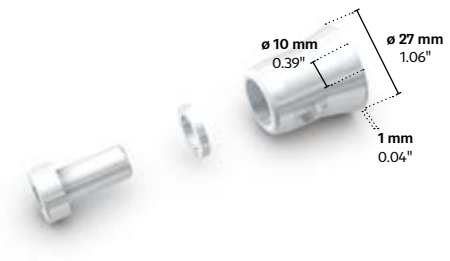
Series	kg	lbs
M222	**1.2** (2.64)	

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** (088)	

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 M290E M390 M290×390	**0.11** (0.24)	

Conical connector B
F- and U-compatible versions available

PB|PIN

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

Pin B

PBM8SET

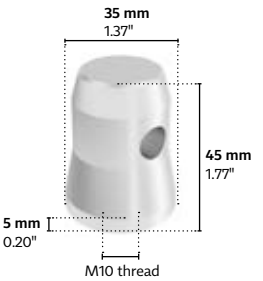
Series	kg	lbs
M290 M290E M390 M290×390	**0.08** (0.18)	

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

PBM8SSSET

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

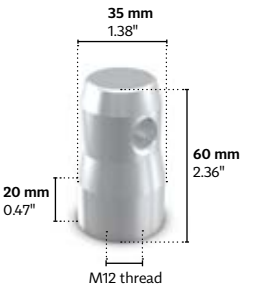
Stainless steel pin B with M8 thread
Supplied with washer and nylock nut.



CCBP/M10|MALE

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

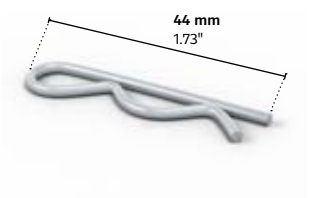
Half connector B with M10 thread
Fixing screw not included (order separately if required)
F- and U-compatible versions available.



CCBM/12|MALE

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

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 M290E M390 M290×390	**0.002** (0.01)	

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

CCBD10

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

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

CCBD20

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

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

CCBD30

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

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

CCBD40

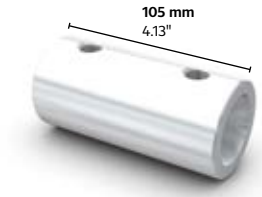
Series	kg	lbs
M290 M290E M390 M290×390	**0.36** (0.79)	

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

CCBD50

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

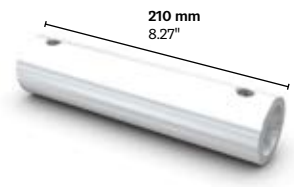
Spacer B 50 mm (2")
Various lengths available on request
F- and U-compatible version available.



CFBD105

Series	kg	lbs
M290 M390 M290×390	**0.33** (073)	

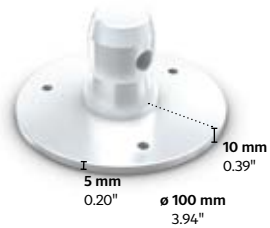
105 mm (4.13") female spacer
F- and U-compatible version available.



CFBD210

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

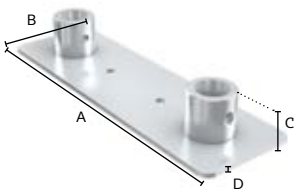
210 mm (8.27") female spacer
F- and U-compatible version available.



BBPSC|MALE

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

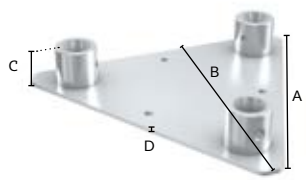
Base plate with half connector
F- and U-compatible version available.



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

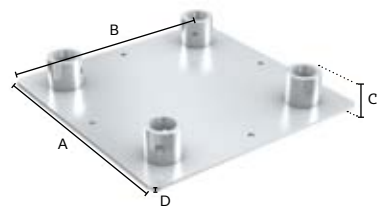
To calculate inches and pounds (25.4 mm = 1 inch), (kg×2.204 = lbs).
F- and U-compatible versions available.



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

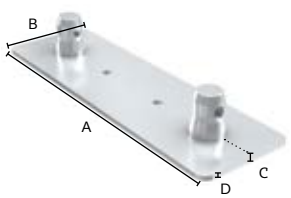
To calculate inches and pounds (25.4 mm = 1 inch), (kg×2.204 = lbs).
F- and U-compatible versions available.



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

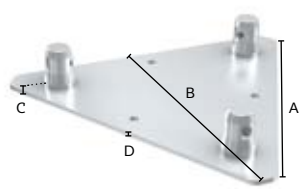
To calculate inches and pounds (25.4 mm = 1 inch), (kg×2.204 = lbs).
F- and U-compatible versions available.



Duo base plates with half connectors

Series	Code	A	B	C	D	kg
M222	MWPDC|MALE	240	90	10	5	0.40
M290	BWPDC|MALE	310	110	10	5	0.64
M390	KWPDC|MALE	410	110	10	5	0.79

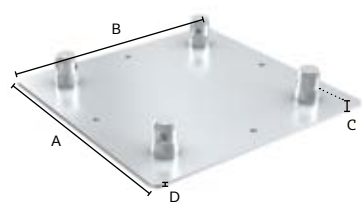
To calculate inches and pounds (25.4 mm = 1 inch), (kg×2.204 = lbs).
F- and U-compatible versions available.



Trio base plates with half connectors

Series	Code	A	B	C	D	kg
M222	MWPTC|MALE	262	230	10	5	0.60
M290	BWPTC|MALE	346	303	10	5	1.08
M390	KWPTC|MALE	441	385	10	5	1.57

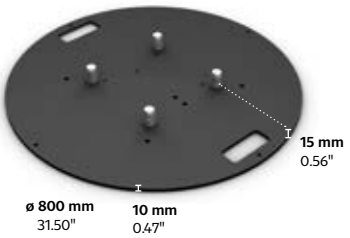
To calculate inches and pounds (25.4 mm = 1 inch), (kg×2.204 = lbs).
F- and U-compatible versions available.



Quatro base plates with half connectors

Series	Code	A	B	C	D	kg
M222	MWPQC|MALE	240	240	10	5	0.94
M290	BWPQC|MALE	310	310	10	5	1.65
M390	KWPQC|MALE	410	410	10	5	2.63
M400	OWPQC|MALE	410	410	15	5	3.10
M520	PWPQC|MALE	600	600	30.5	10	10.85

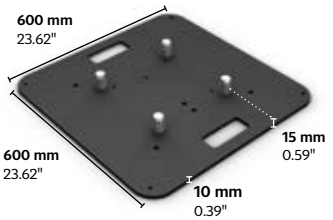
To calculate inches and pounds (25.4 mm = 1 inch), (kg×2.204 = lbs).
F- and U-compatible versions available.



BBPD800|QTB|STEEL

Series	kg	lbs
M222		
M290	**38.58** (85.05)	
M390		

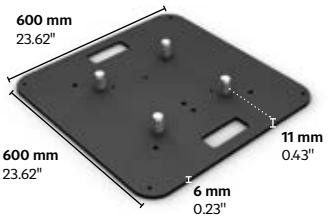
Round steel base plate with half connectors
Pre-drilled holes for multiple truss ranges and shapes.
F- and U-compatible versions available.



BBP600×600×10|QTB|STEEL

Series	kg	lbs
M222		
M290	**27.14** (59.83)	
M390		

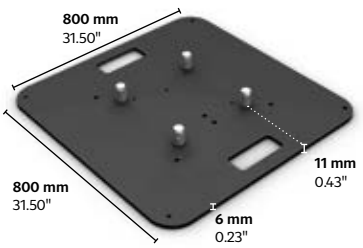
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges and shapes.
F- and U-compatible versions available.



BBP600×600×6|QTB|STEEL

Series	kg	lbs
M222		
M290	**16.1** (35.5)	
M390		

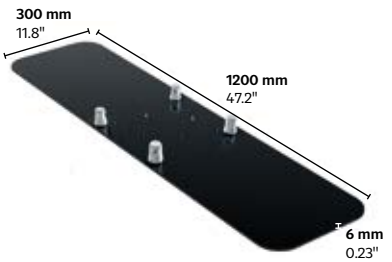
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges and shapes.
F- and U-compatible versions available.



BBP800×800×6|QTB|STEEL

Series	kg	lbs
M222		
M290	**29.3** (64.6)	
M390		

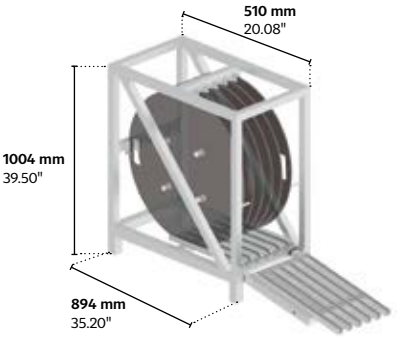
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges and shapes.
F- and U-compatible versions available.



BBP1200×300|QTB|STEEL

Series	kg	lbs
M222		
M290	**16.75** (36.9)	

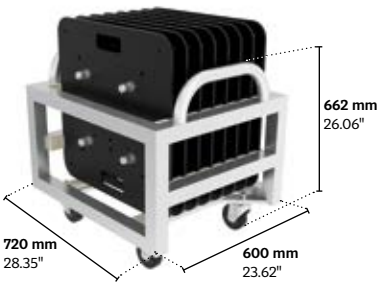
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges and shapes.
F- and U-compatible versions available.



CAGE-BP-M-B-K-D800

Series	kg	lbs
M222		
M290	**25.00** (55.12)	
M390		

Transport cage for BBPd800|QTB|STEEL
Holds up to 10× BP-D800X10



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 M520 M760 M950	**0.30** (0.66)	

Conical connector O

PO|PIN

Series	kg	lbs
M400 M520 M760 M950	**0.12** (0.26)	

Pin O

POM12SET

Series	kg	lbs
M400 M520 M760 M950	**0.12** (0.26)	

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

POM12SSSET

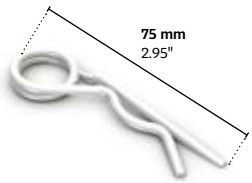
Series	kg	lbs
M400 M520 M760 M950	**0.12** (0.26)	

Stainless steel Pin O withM12 thread
Supplied with washer and nylock nut.

CCOM16|MALE

Series	kg	lbs
M400 M520 M760 M950	**0.23** (0.51)	

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



SRPO

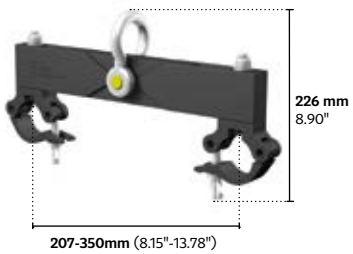
Series	kg	lbs
M400 M520 M760 M950 M1200	**0.003** (0.01)	

Safety R Clip O

CS-M290/M400

Series	kg	lbs
M290 M290E M390 M290×390 M400 4GS–35	**2.92** (6.44)	

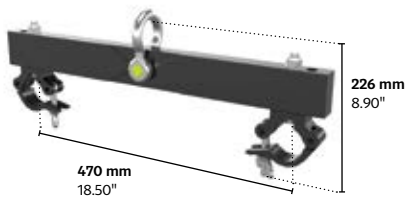
Ceiling support – silver
SWL 1000 kg (2204 lbs) – DGUV17/BGVC1



CS-M290/M400|COLOR

Series	kg	lbs
M290 M290E M390 M290×390 M400 4GS–35	**2.92** (6.44)	

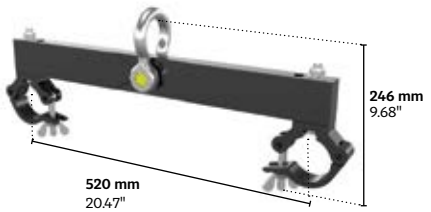
Ceiling support – black
SWL 1000 kg (2204 lbs) – DGUV17/BGVC1



CS-M520/M760|COLOR

Series	kg	lbs
M520 M760	**9.0** (19.84)	

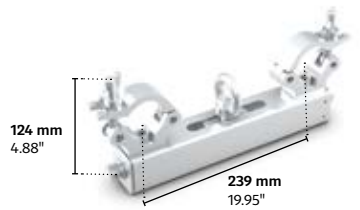
Ceiling support – black
SWL 1120 kg (2470 lbs) – DGUV17/BGVC1



CS-M950|COLOR

Series	kg	lbs
M950	**9.6** (21.16)	

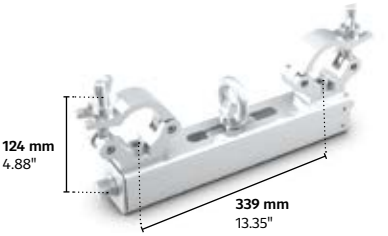
Ceiling support – black
SWL 1000 kg (2204 lbs) – DGUV17/BGV C1



CS3B-ADJ-M290

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

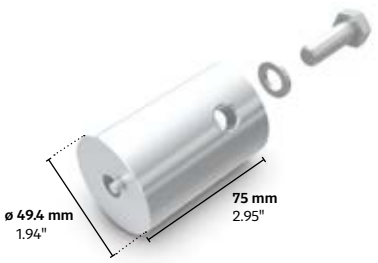
Ceiling support for M290 – adjustable center of gravity
SWL 749.6 lbs (340 kg)



CS3B-ADJ-M390

Series	kg	lbs
M390	**3.50** (7.71)	

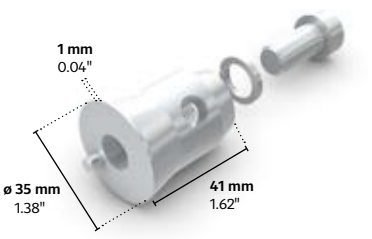
Ceiling support for M390 – adjustable center of gravity
SWL 749.6 lbs (340 kg)



CON64B|FEMALEPIN

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

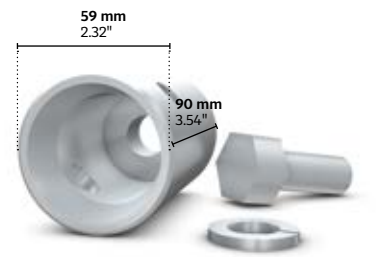
Female connector for Multicubes M290/M390 series
Supplied with washer and M12×35 bolt.
F- and U-compatible version available.



CON63B|MALEPIN

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

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



CON47O|FEMALE

Series	
M400 M520 M950 M760	**0.50** (1.10)

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

CON16B|PARCELDUO

Series	kg	lbs
M290 M390	**0.49** (1.08)	

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

CON12B|PARCELTRIO

Series	kg	lbs
M290 M390	**0.73** (1.61)	

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

CON17B|PARCELQUATRO

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

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 M950	**2.16** (4.76)	

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

CON84M|PARCELQC|MALEPIN

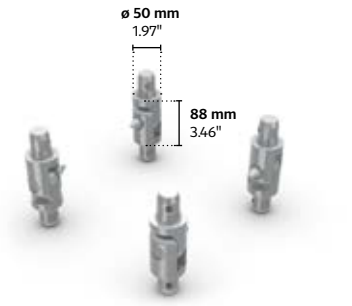
Series	kg	lbs
M222		

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

CON82B|PARCELQC|MALEPIN

Series	kg	lbs
M290/390		

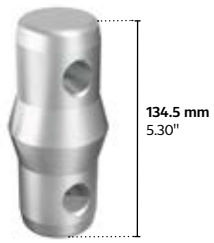
Parcel for Multicube truss series M290/M390
(4× CON63B + 4× PB + 4× SRPB)
F- and U-compatible version available.



MT1-07B|HINGES|4PCS

Series	kg	lbs
M290 M390	**2.40** (5.28)	

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



CCR

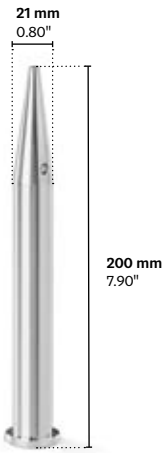
Series	
M1200	**0.65** (1.43)

Conical connector R for truss series M1200

PR|PIN

Series	
M1200	**0.21** (0.46)

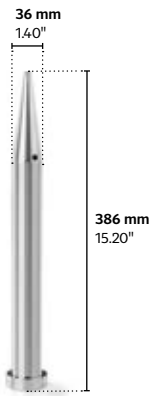
Pin R for truss series M1200



PQ-FTD

Series	kg	lbs
S-M1010 Trio	**0.50** (1.10)	

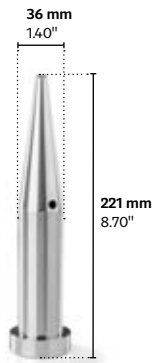
Pin Q-FTD



PW-FTZ

Series	kg	lbs
S-FTZ Fold	**2.70** (5.95)	

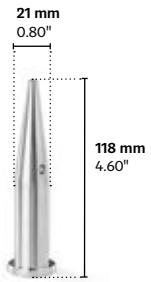
Pin W-FTZ



PW

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

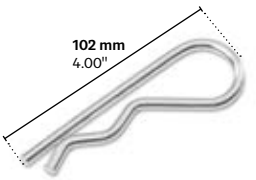
Pin W



PQ

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

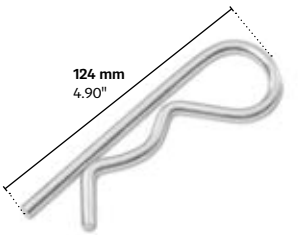
Pin Q



SRPQ

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

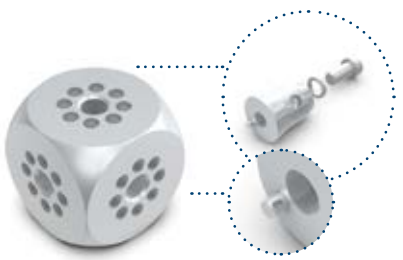
Safety R-clip Q



SRPW

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

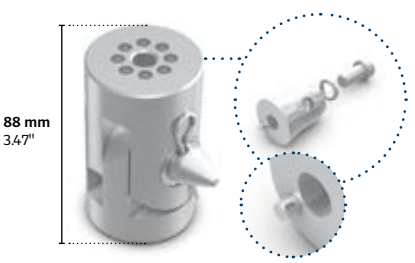
Safety R-clip W



CUBEB-UNI

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

Multiconnection cube with 360° adjustability



HINGEQB-UNI

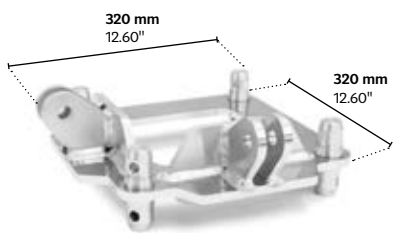
Series	kg	lbs
M100 M290 M390 M290×390	**0.27** (0.60)	

Multiconnection hinge with 360° adjustability

MODULARHINGE-B

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

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

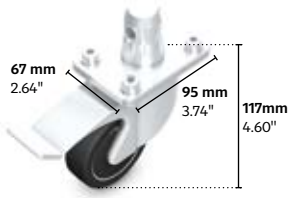
Series	kg	lbs
M290	**1.40** (3.08)	

Strut for use with the main Corner Brace HD reinforcement component

CBD50

Series	kg	lbs
M290	-	

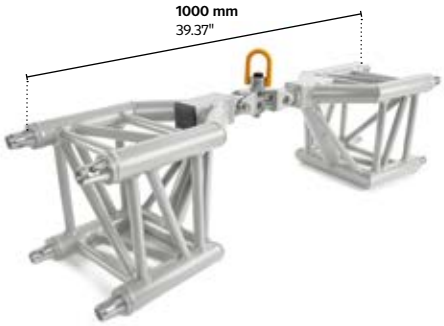
Corner brace 1000 mm or 2000 mm for tube 48–50 mm



BBPSC-GW

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

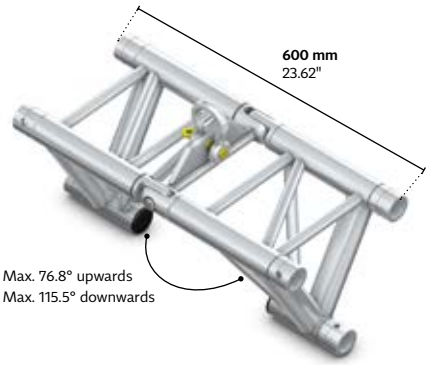
Transport wheel with brake and half coupler
F- and U-compatible versions available.



MUH-M290-HD|1000

Series	kg	lbs
M290	**12.85** (28.33)	

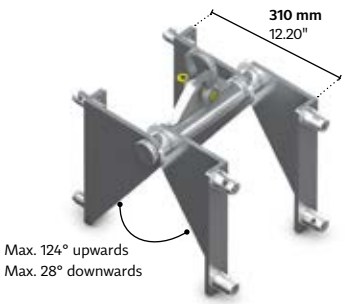
Hinged component that allows for virtually infinite height and angular configurations for exciting backdrops and support structures
Image is for illustrative purposes only.
Connection material is not part of the product.



HP-STB-FLEX

Series	kg	lbs
M290 M390	**7.20** (15.87)	

Flexible Hinge Section for TRIO trusses
WLL 1000 kg (2204.2 lbs)
DGUV 17 / BGV C1
F- and U-compatible versions available.



HP-QTB-FLEX

Series	kg	lbs
M290 M390	**9.70** (21.37)	

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

HANGING-PLATE-QTB

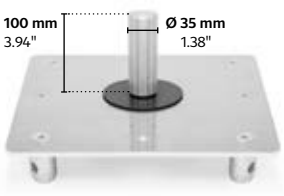
Series	kg	lbs
M290	**3.50** (7.72)	
M390	**4.10** (9.03)	

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

SPEAKER-MOUNT-D50

Series	kg	lbs
M100 M290 M390	**3.10** (6.80)	

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

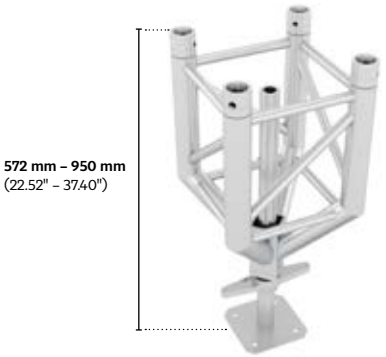
Series	kg	lbs
M290	**1.80** (4.00)	

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)	

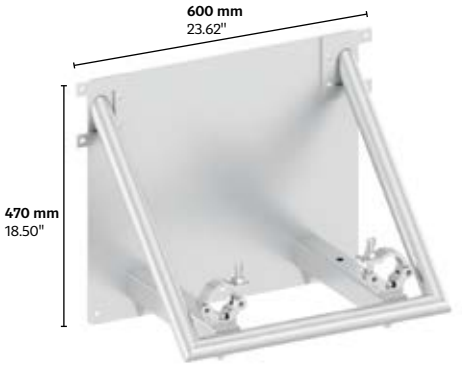
M290 top circle, outer d=1m, tube 50mm, incl. 4× half male connector
F- and U-compatible versions available.



LEGM290V|572-950

Series	kg	lbs
M222	7.70	(16.97)

Adjustable pedestal leg 572-950 mm
Available for M390.



WALLPLATE-M390|500KG

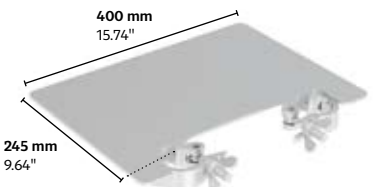
Series	kg	lbs
M390	7.00	(15.43)

Truss wall mount, SWL 500 kg (1102 lbs)

WALLPLATE-M290|500KG

Series	kg	lbs
M290	6.20	(13.66)

Truss wall mount, SWL 500 kg (1102 lbs)



ALU-SHELF|M290

Series	kg	lbs
M290	2.00	(4.40)

Aluminium shelf

GB-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 tool
It fits the M390 QUATRO, TRIO or DUO trusses perfectly and, after reassembling the upper bar, enables the M290 truss series to be positioned.

DELTAPLATE

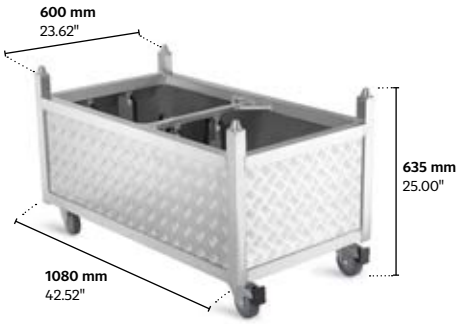
kg	lbs	
12.30	(27.12)	

The Delta Plate can be used to control the horizontal alignment of an array to distribute its weight over two point

TRA-CLI-2XD50

Series	kg	lbs
M290 M390	0.08	(0.18)

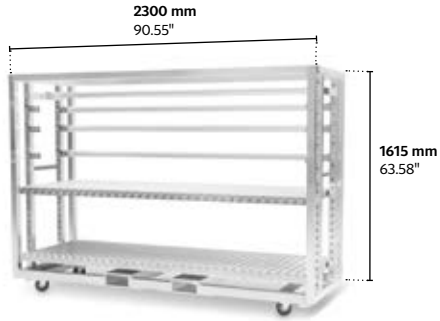
Truss transport clip
Fits 48–51 mm tubes.



MAC-01-2100-A1
MAC-01-4025-A1

kg lbs | **31.00** (68.34)

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

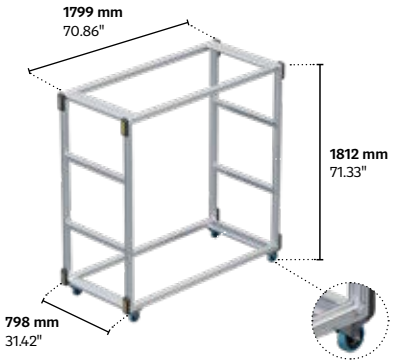


MMR01|2.3X0.8-1.6m|MEATRACK

kg lbs | **64.00** (141.01)

Convenient transport/storage solution for your light fixtures through the use of adjustable light bars or a hanging adapter for oversize lights. Shelves also available

* Image is for illustrative purposes only



MMC-1.80 × 1.80 × 0.80 m – 100 mm wheels

kg lbs | **68.60** (151.24)

Multipurpose Cart base with 100 mm wheels

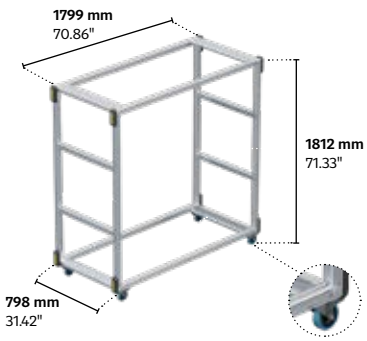
MMC-1.80 × 1.86 × 0.80 m – 160 mm outdoor wheels

kg lbs | **71.80** (158.30)

Multipurpose Cart base with 160 mm wheels

Multipurpose Cart

- Aluminium frame cart for multiple transit & storage solutions (cables, lights, boxes)
- Can be used as simple Pre-Rig tower with telescopic extension accessory
- Up to 400 kg (881 lbs) of payload capacity
- Protective bumpers on all sidesStandard 100 mm dia rolling wheels or 160 mm dia outdoor option
- Supplied flat-packed for ease of shipping
- Rain/dust protection cover
- Optimised dimensions for transport 1800×1800×800 mm (70.86"×70.86"×31.50")
- Easy to assemble and breakdown
- Branded profile covers upon request



MMC-1.80 × 1.80 × 0.80 m – 100 mm wheels

kg lbs

Weight
68.60 (151.24)

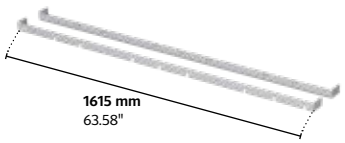
Multipurpose Cart base with 100 mm wheels

MMC-1.80 × 1.86 × 0.80 m – 160 mm outdoor wheels

kg lbs

Weight
71.80 (158.30)

Multipurpose Cart base with 160 mm wheels

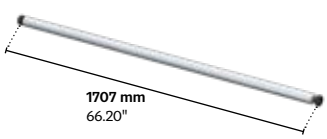


MMC-rack-left/right

kg lbs

Weight
3.00 (6.61)

Set consisting of left and right rack for Multi-purpose Cart

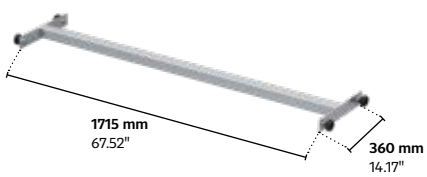


MMC-light bar

kg lbs

Weight
2.80 (6.18)

Single bar for connecting to racks

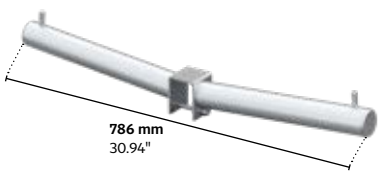


MMC-tube for cable holders

kg lbs

Weight
3.30 (7.43)

Rectangular tube for connecting to racks

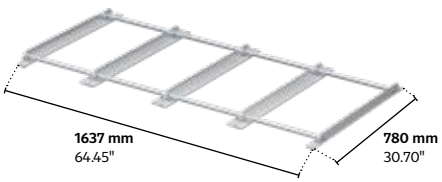


MMC-rack-cable holder

kg lbs

Weight
0.80 (1.76)

Cable holder for connecting to rectangular tube

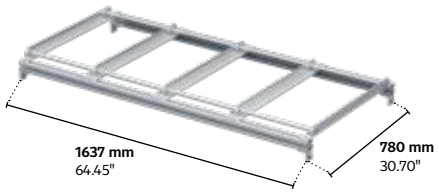


MMC-deck for boxes-bottom level

kg lbs

Weight
10.00 (22.04)

Bottom-level deck for boxes incl. fastening set

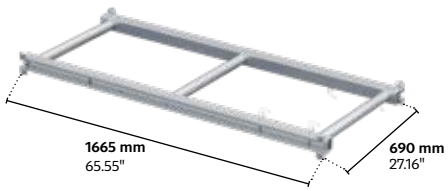


MMC-deck for boxes-upper level

kg lbs

Weight
21.00 (46.30)

Upper-level deck for boxes incl. fastening set

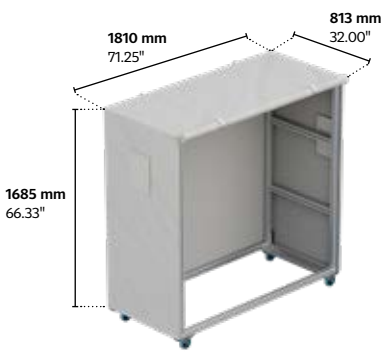


MMC-telescopic frame

kg lbs

Weight
15.00 (33.07)

Adjustable frame with height of up to 3 m



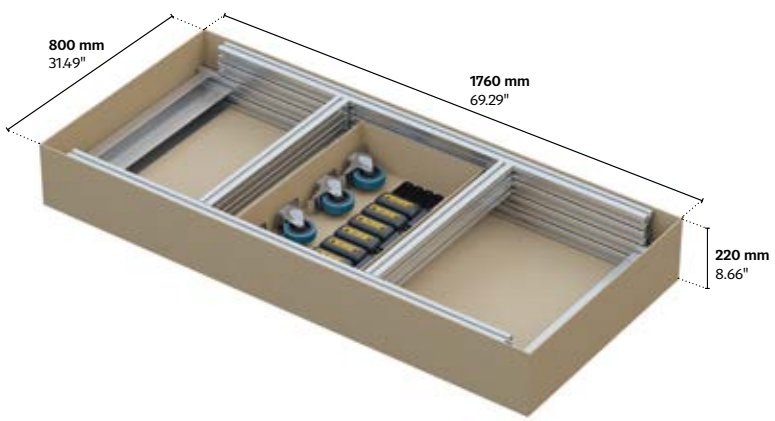
MMC-protective cover

kg lbs

Weight
~5.00 kg (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

Anodised

CELL131 / CELL131|Anodised

Basic clamp

kg lbs

SWL1	SWL2	Weight	Tube Ø
160 (353)	**330** (728)	**0.10** (0.20)	**32-35** (1.26-1.38)

Basic clamp, can be used for most applications.

Anodised

CELL132 / CELL132|Anodised

Clamp with bolt and wingnut

kg lbs

SWL1	SWL2	Weight	Tube Ø
160 (353)	**330** (728)	**0.25** (0.33)	**32-35** (1.26-1.38)

Clamp supplied with M10×30 bolt and wingnut.

Anodised

CELL133 / CELL133|Anodised

Clamp with lifting eye

kg lbs

SWL1	SWL2	Weight	Tube Ø
160 (353)	**330** (728)	**0.70** (1.54)	**32-35** (1.26-1.38)

Clamp with lifting eye.

Anodised

CELL134 / CELL134|Anodised

Swivel coupler

kg lbs

SWL1	SWL2	Weight	Tube Ø
160 (353)	**330** (728)	**0.80** (1.76)	**32-35** (1.26-1.38)

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

Anodised

CELL201 / CELL201|Anodised

Basic clamp

kg | lbs

SWL1	SWL2	Weight	Tube Ø
650 (1433)	**1300** (2865)	**0.50** (1.10)	**48-51** (1.89-2)

Basic clamp, can be used for most applications.

Anodised

CELL204 / CELL204|Anodised

Swivel coupler

kg | lbs

SWL1	SWL2	Weight	Tube Ø
540 (1190)	**1080** (2381)	**1.00** (2.20)	**48-51** (1.89-2)

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

Anodised

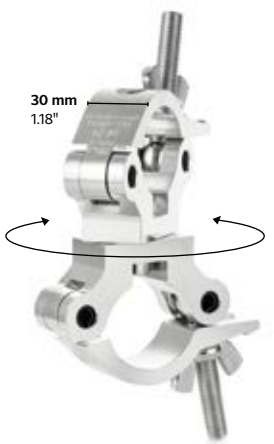
CELL207 / CELL207|Anodised

Slim basic clamp

kg | lbs

SWL1	SWL2	Weight	Tube Ø
560 (1234)	**1120** (2469)	**0.30** (0.66)	**48-51** (1.89-2)

Slim basic clamp, can be used for most applications.



Anodised

CELL214 / CELL214|Anodised

Swivel coupler

kg | lbs

SWL1	SWL2	Weight	Tube Ø
490 (1080)	**980** (2160)	**0.71** (1.57)	**48-51** (1.89-2)

48-51-mm 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)

Anodised

CELL301 / CELL301|Anodised

Basic clamp

kg lbs

SWL1	SWL2	Weight	Tube Ø
650 (1433)	**1300** (2865)	**0.65** (1.43)	**60-63.5** (2.36-2.5)

Basic clamp, can be used for most applications.

Anodised

CELL302 / CELL302|Anodised

Clamp with bolt and wingnut

kg lbs

SWL1	SWL2	Weight	Tube Ø
650 (1433)	**1300** (2865)	**0.75** (1.65)	**60-63.5** (2.36-2.5)

Clamp supplied with M12×35 bolt and wingnut.

Anodised

CELL303|650kg / CELL303|Anodised

Clamp with lifting eye

kg lbs

SWL1	SWL2	Weight	Tube Ø
650 (1433)	**1300** (2865)	**1.00** (2.20)	**60-63.5** (2.36-2.5)

Clamp supplied with steel eye for attachin grope or cable.
Version with SWL 340 kg (750 lbs) silver lifting eye (61 mm) available.

Anodised

CELL304 / CELL304|Anodised

Swivel coupler

kg lbs

SWL1	SWL2	Weight	Tube Ø
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 (½") 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-anodized versions of CELL401/403 available

CELL401 / CELL401|Anodised

Quick clamp

kg lbs

SWL1	SWL2	Weight	Tube Ø
360 (794)	**720** (1587)	**0.68** (1.50)	**38-51** (1.5-2)

38-51 mm quick clamp connection and locking mechanism.

CELL402 / CELL402|Anodised

Quick clamp with bolt and wingnut

kg lbs

SWL1	SWL2	Weight	Tube Ø
360 (794)	**720** (1587)	**0.75** (1.65)	**38-51** (1.5-2)

Quick clamp supplied with M12×35 bolt and wingnut.

CELL403 / CELL403|Anodised

Quick clamp with lifting eye

kg lbs

SWL1	SWL2	Weight	Tube Ø
360 (794)	**720** (1587)	**0.75** (1.65)	**38-51** (1.5-2)

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

CELL411 / CELL411|Anodised

Quick Clamp with Wing bolt

kg lbs

SWL1	SWL2	Weight	Tube Ø
190 (419)	**380** (838)	**0.68** (1.50)	**38-60** (1.5-2.36)

38-60 mm 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)

Anodised

CELL501 / CELL501|Anodised

Basic clamp

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

Basic clamp, can be used for lightweight applications.

Anodised

CELL502 / CELL502|Anodised

Clamp with bolt and wingnut

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

Clamp supplied with M10×30 bolt and wingnut.

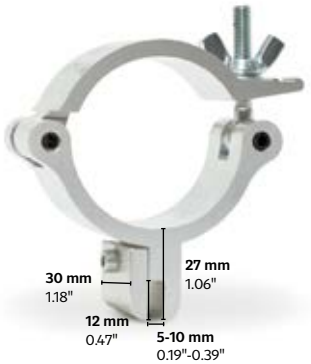
Anodised

CELL504 / CELL504|Anodised

Swivel coupler

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

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



Anodised

CELL511 / CELL511|Anodised

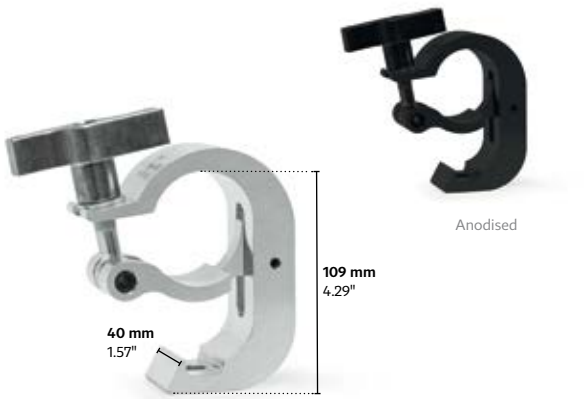
Panel clamp

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

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



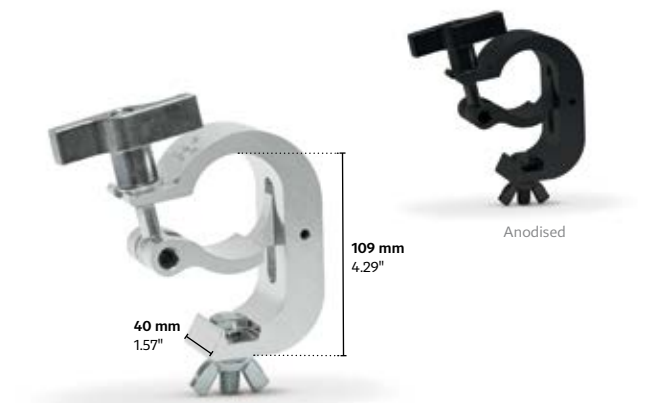
CELL601 / CELL601|Anodised

Basic clamp

kg lbs

SWL1	SWL2	Weight	Tube Ø
350 (771)	**700** (1543)	**0.50** (1.10)	**48-51** (1.89-2)

Basic clamp, can be used for most applications.



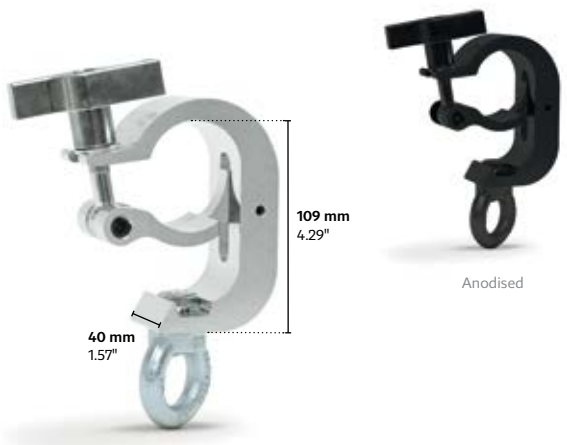
CELL602 / CELL602|Anodised

Basic clamp with bolt and wingnut

kg lbs

SWL1	SWL2	Weight	Tube Ø
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

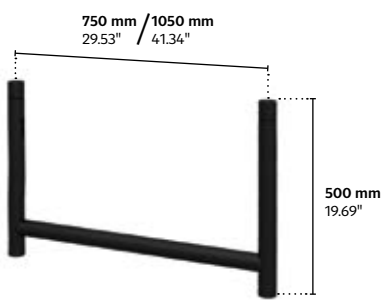
SWL1	SWL2	Weight	Tube Ø
350 (771)	**700** (1543)	**0.75** (1.65)	**48-51** (1.89-2)

Clamp supplied with steel eye for attaching of 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 connections
- Slotted tube profile to enable secondary safety attachment
- Durable 48×3 mm extruded aluminium tube (EN AW-6082 T6)
- Based on MILOS M100 series truss

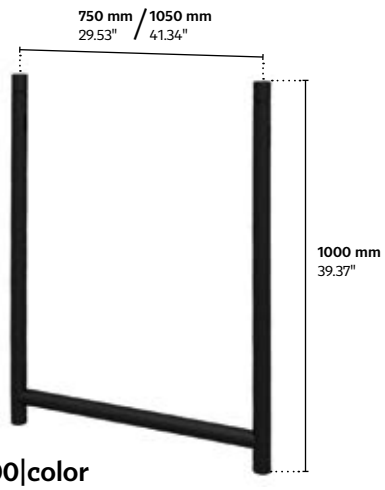
- Horizontal forces are not taken into consideration in the load information. Specific load figures can be approved on request.
- As horizontal forces are not taken into consideration, tipping over must be analysed on a case-by-case basis.



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

Code	Tube Ø	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")

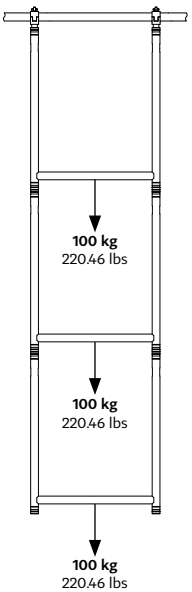


MLA-H750×1000|color
MLA-H1050×1000|color

Code	Tube Ø	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)	

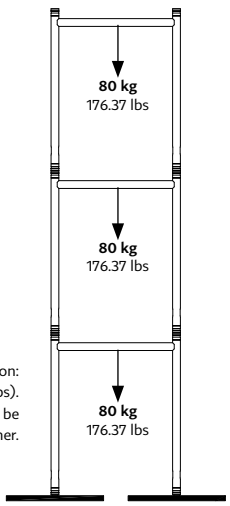
Modular Grid Frame for hanging lights from truss structures – 750×1000 mm (29.53×39.37") or 1050×1000mm (41.34×39.37")

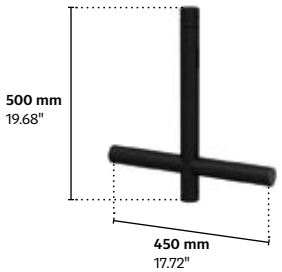
Load assumptions



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	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	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)

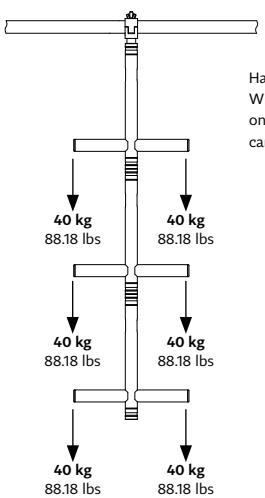
Modular light bar for attaching lights to hanging modular grid frames – 1000 mm (39.37") or 500 mm (19.68").

MLA-X450×500|color

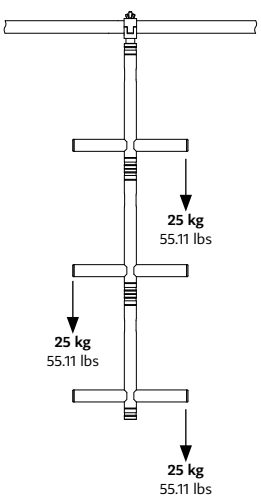
Code	Tube Ø	kg	lbs
MLA-X450×500|color	48×3 (1.89×0.12)	1.20	(2.65)

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

Load assumptions

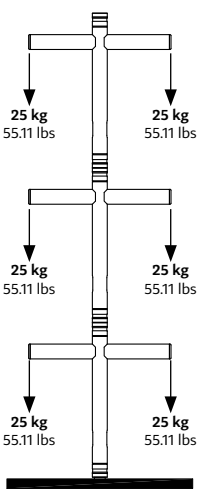


Hanging configuration:
With symmetrical load of 40 kg (88.18 lbs) on every cantilever, a maximum of 14 T-frames can be hung beneath one another.

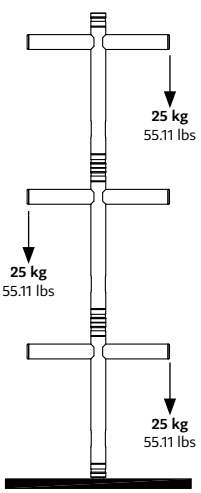


Hanging configuration:
With asymmetrical load of 25 kg (55.11 lbs) on every cantilever, a maximum of 22 T-frames can be hung beneath one another.

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:

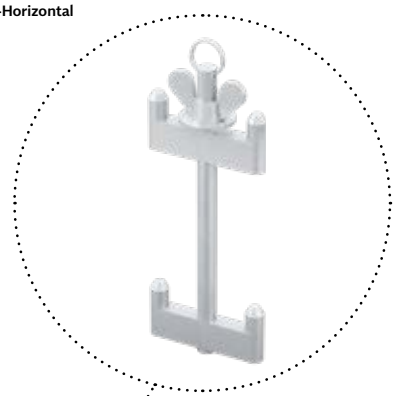
The load specifications given here only give consideration to the frames and the connections between them, but do not include the top connection to the suspending truss. The total load capacity can be reduced depending on the lifting accessories selected.

Concrete ballast base MCBB

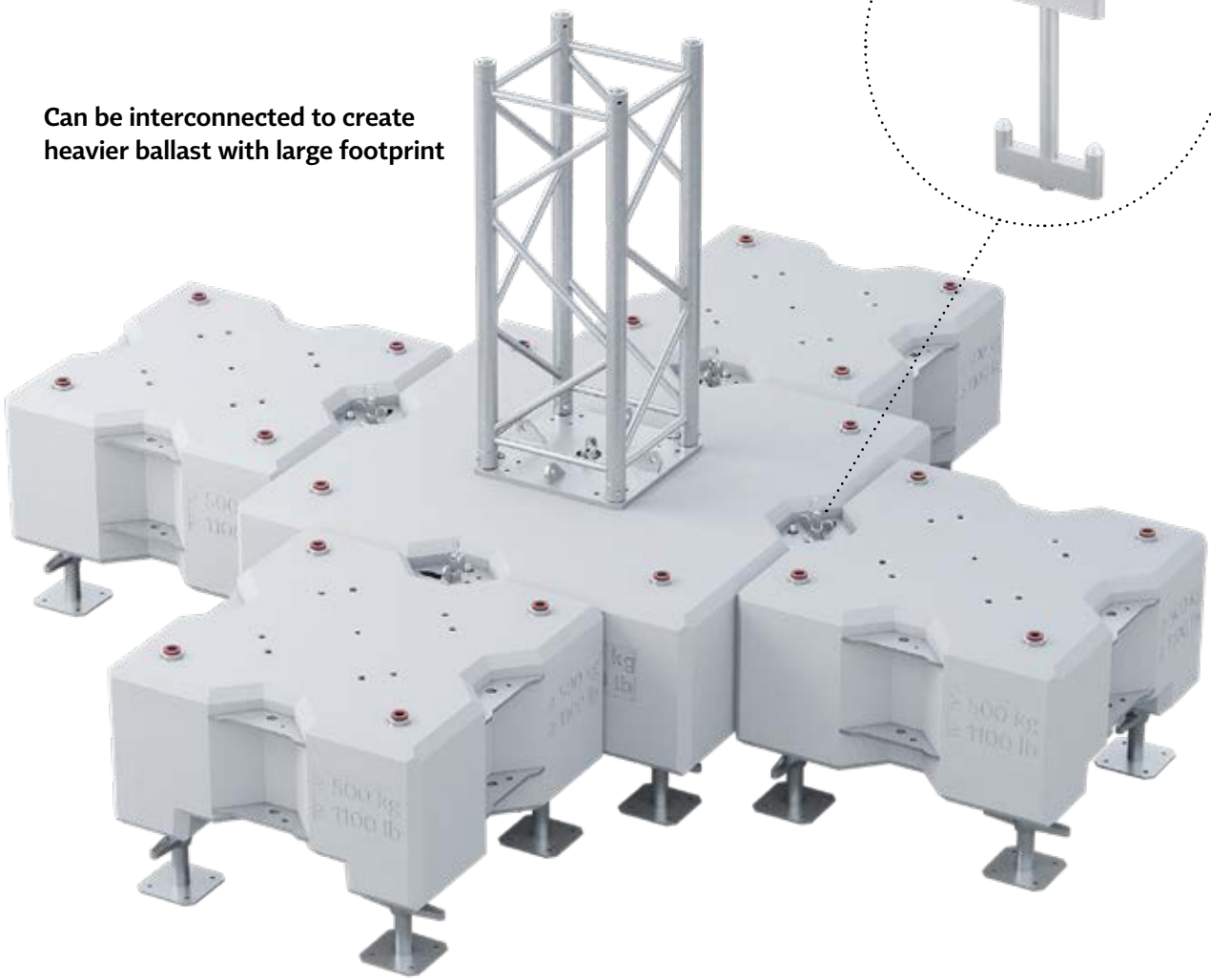
- 500 kg (1102 lbs) or 1250 kg (2755 lbs) mass weight
- Compact 800×800×400 mm / 1200×1200×400 mm (31.50"×31.50"×15.75" / 47.25"×47.25"×15.75") steel reinforced concrete block
- Linkable to create higher ballast loads with larger footprint
- Stackable for extra weight / for ease of storage
- Integrated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

Horizontal connector

MCBB-CON-Horizontal



Can be interconnected to create heavier ballast with large footprint



Vertical connector

MCBB-CON-Vertical

Stackable for extra ballast

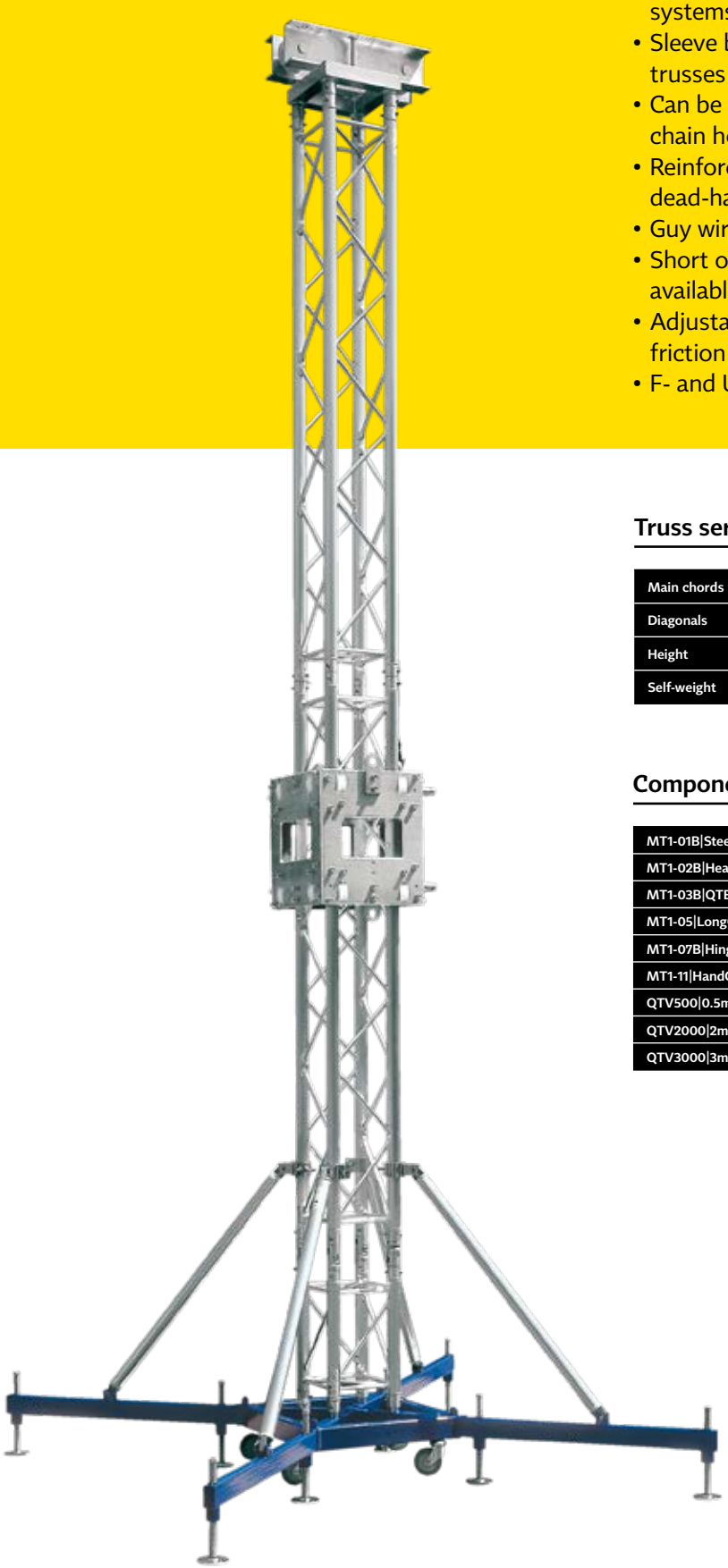
Towers

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 MR1T 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

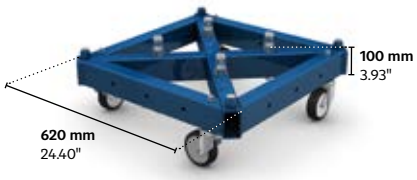


Truss series M290V

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|4pcs	1 set
MT1-11|HandChainHoist+Bag	1 piece
QTV500|0.5m	1 piece
QTV2000|2m	2 pieces
QTV3000|3m	1 piece

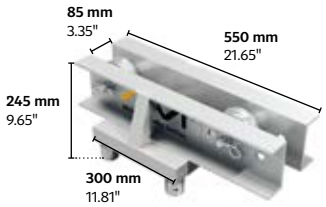


MT1-01B|SteelBase

kg lbs

Weight
33.00 (72.66)

Steel base
Robust steel base gives stability to the tower.
Equipped with wheels for easy positioning during set-up.

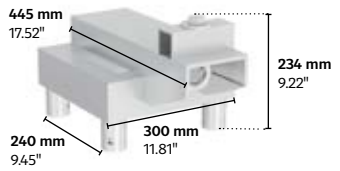


MT1-02B|HeadSection|forChain

kg lbs

Weight
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.

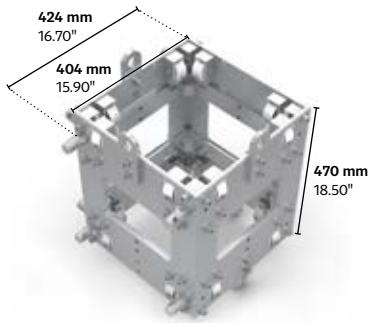


MT1-02B|HeadSection|LTG

kg lbs

Weight
8.00 (17.62)

Head section for steel wire
Fitted with dead hang hook.



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

kg lbs

Weight
46.00 (101.29)

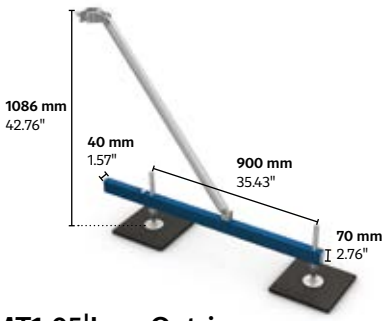
Sleeve block
Consists of 10 mm (0.39") aluminium plates connected with steel components.
Can be attached to M290 & 390 Quatro.

MT1-04|ShortOutrigger

kg lbs

Weight
5.00 (11.02)

Short outrigger
Including adjustable spindles, rubber pads.

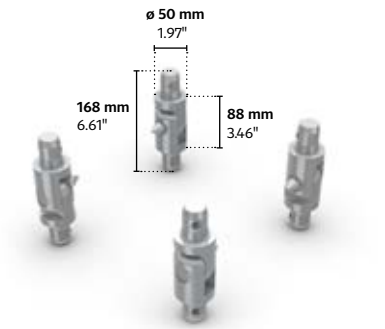


MT1-05|LongOutrigger

kg lbs

Weight
16.00 (35.23)

Long outrigger
1.2 m (47.24") long, including adjustable spindles; rubber pads.

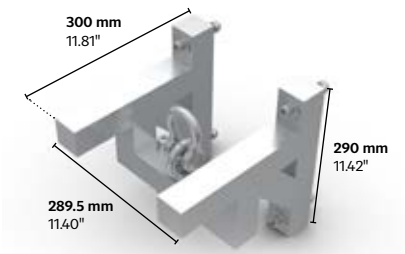


MT1-07B|SetHinge|4pcs

kg lbs

Weight
2.40 (5.28)

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

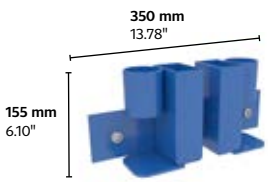


MT1-09|BracketForMotor|Sleeve

kg lbs

Weight
6.00 (13.21)

Bracket for chain hoist
Used for electric chain hoist attachment to sleeve block to achieve max. loading.

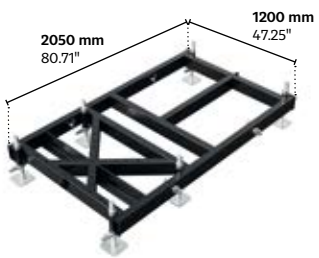


MT1-OutriggerHolder|2pcs

kg lbs

Weight
4.60 (20.00)

Designed to secure outriggers to the steel base for easy transport and storage.

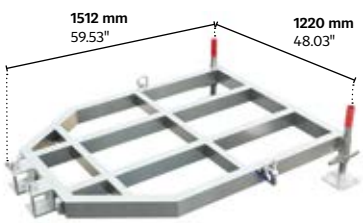


MT-IconBase-01|STEEL

kg lbs

Weight
156.00 (343.00)

Footprint extendable by outriggers on front and/or rear side to up to 7980×1200 mm (314.17×47.25").

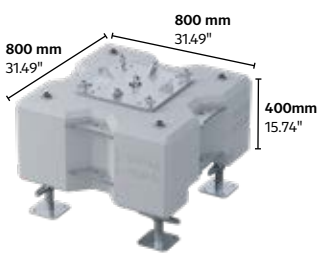


MT1-01|BallastBase

kg lbs

Weight
31.00 (68.34)

Designed to stack flat with smooth sides
Integrated guy wire points.



Concrete Ballast Base MCBB

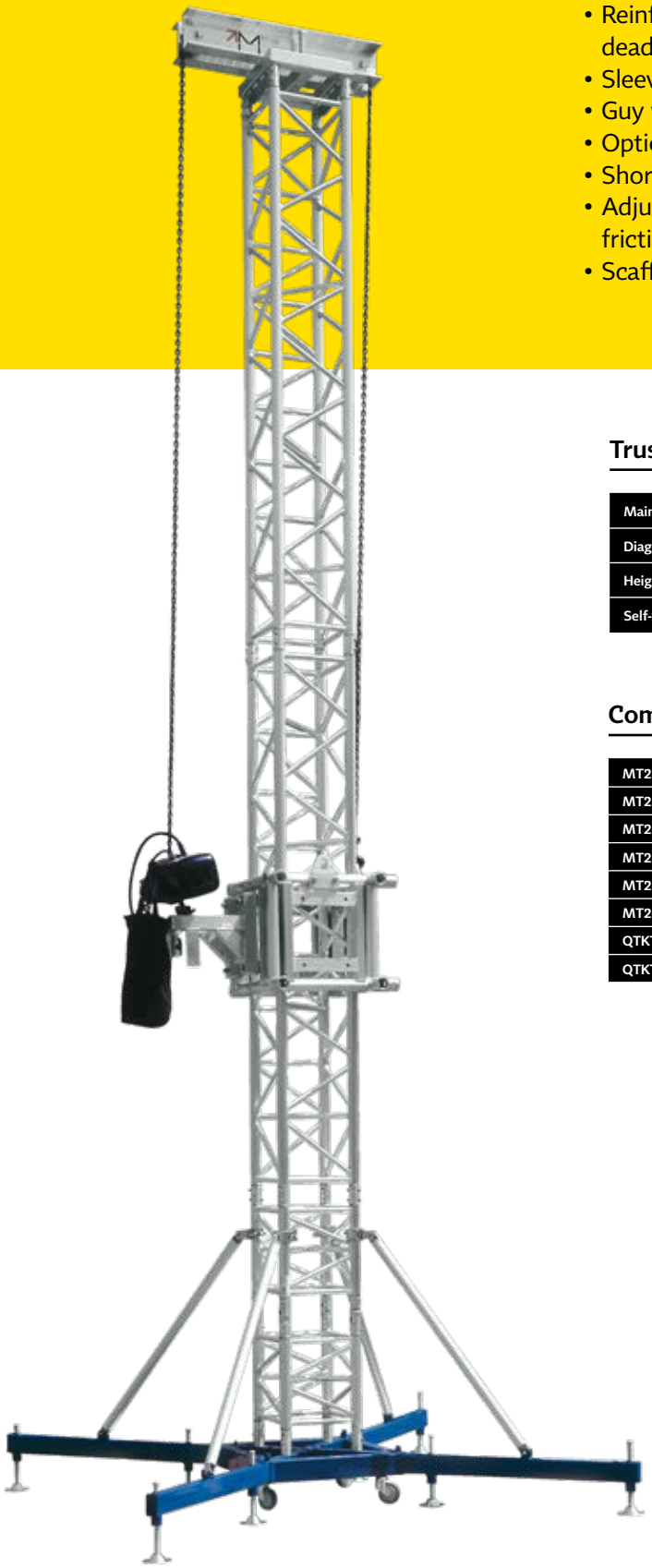
kg lbs

Weight
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

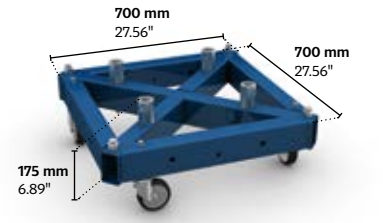


Truss series M390KT

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 (41.0 ft) tower

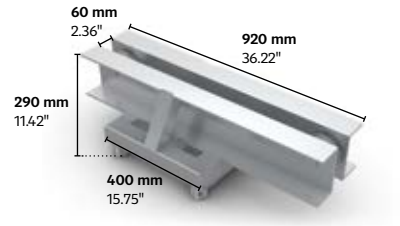
MT2-01B|SteelBase	1 piece
MT2-02B|HeadSection	1 piece
MT2-03|QTP/RTO|SleeveBlock	1 piece
MT2-05|LongOutrigger	4 pieces
MT2-07B|Hinges|4 pcs.	1 set
MT2-08|BracketForMotor|Base	1 piece
QTKT500|0.5m	1 piece
QTKT3000|3m	4 pieces



MT2-01B|SteelBase

kg	lbs	Weight
		42.00 (92.48)

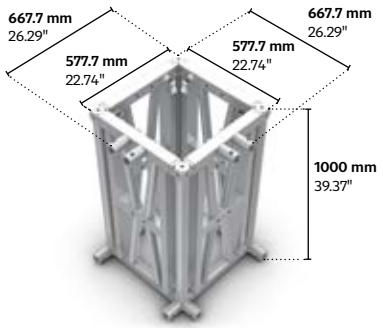
Steel base
For use with M390KT QUATRO.
Equipped with wheels for easy movement during set-up.



MT2-02B|HeadSection

kg	lbs	Weight
		25.00 (55.05)

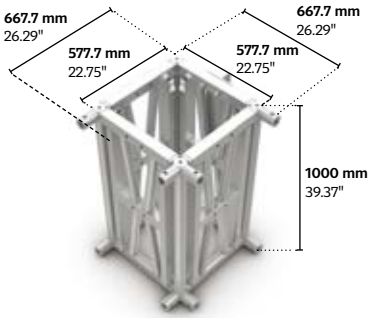
Head section
Fitted with steel pulleys for 7–8 mm (0.28–0.31") chain
Alternative dimensions available after consultation.



MT2-03|FTT|SleeveBlock

kg	lbs	Weight
		80.00 (176.37)

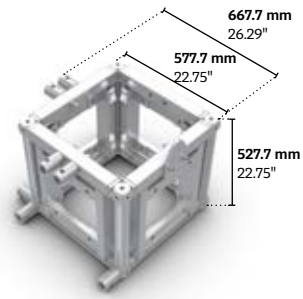
Sleeve block FTT
Made with heavy-duty aluminium profiles connected with steel components.
For use with M950 folding truss.



MT2-03|RTTH|SleeveBlock

kg	lbs	Weight
		80.00 (176.37)

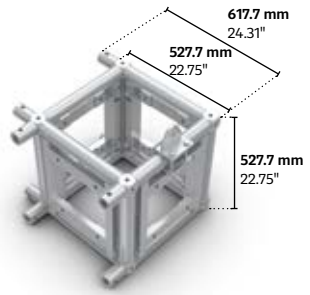
Sleeve block RTT
Made with heavy-duty aluminium profiles connected with steel components
For use with rectangular M950.



MT2-03|FTP/RTO|SleeveBlock

kg	lbs	Weight
		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

kg	lbs	Weight
		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

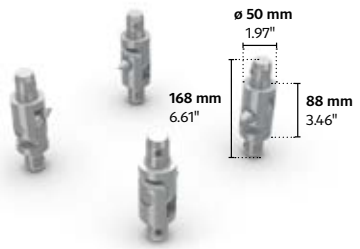
kg	lbs	Weight
		6.00 (13.21)

Short outrigger
Adjustable spindles; rubber pads

MT2-05|LongOutrigger

kg	lbs	Weight
		21.00 (46.24)

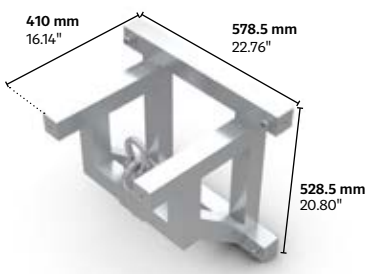
Long outrigger
1.4 m (4.59') long, including adjustable spindles; rubber pads.



MT2-07B|Hinges|4pcs

kg	lbs	Weight
		2.40 (5.25)

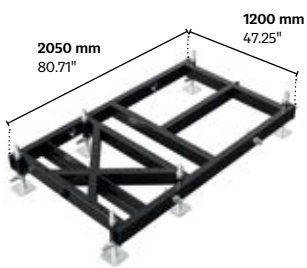
Hinges
Used to connect the vertical tower elements and to allow for tilt-up assembly; set of 4 pcs



MT2-09|BracketForMotor|Sleeve

kg	lbs	Weight
		16.00 (35.26)

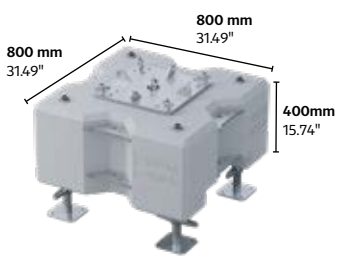
Bracket for chain hoist
Used for electric chain hoist attachment to sleeve block to achieve max. loading.



MT-IconBase-01|STEEL

kg	lbs	Weight
		156.00 (343.00)

Footprint extendable by outriggers on front and/or rear side to up to 7980×1200 mm (314.17×47.25").

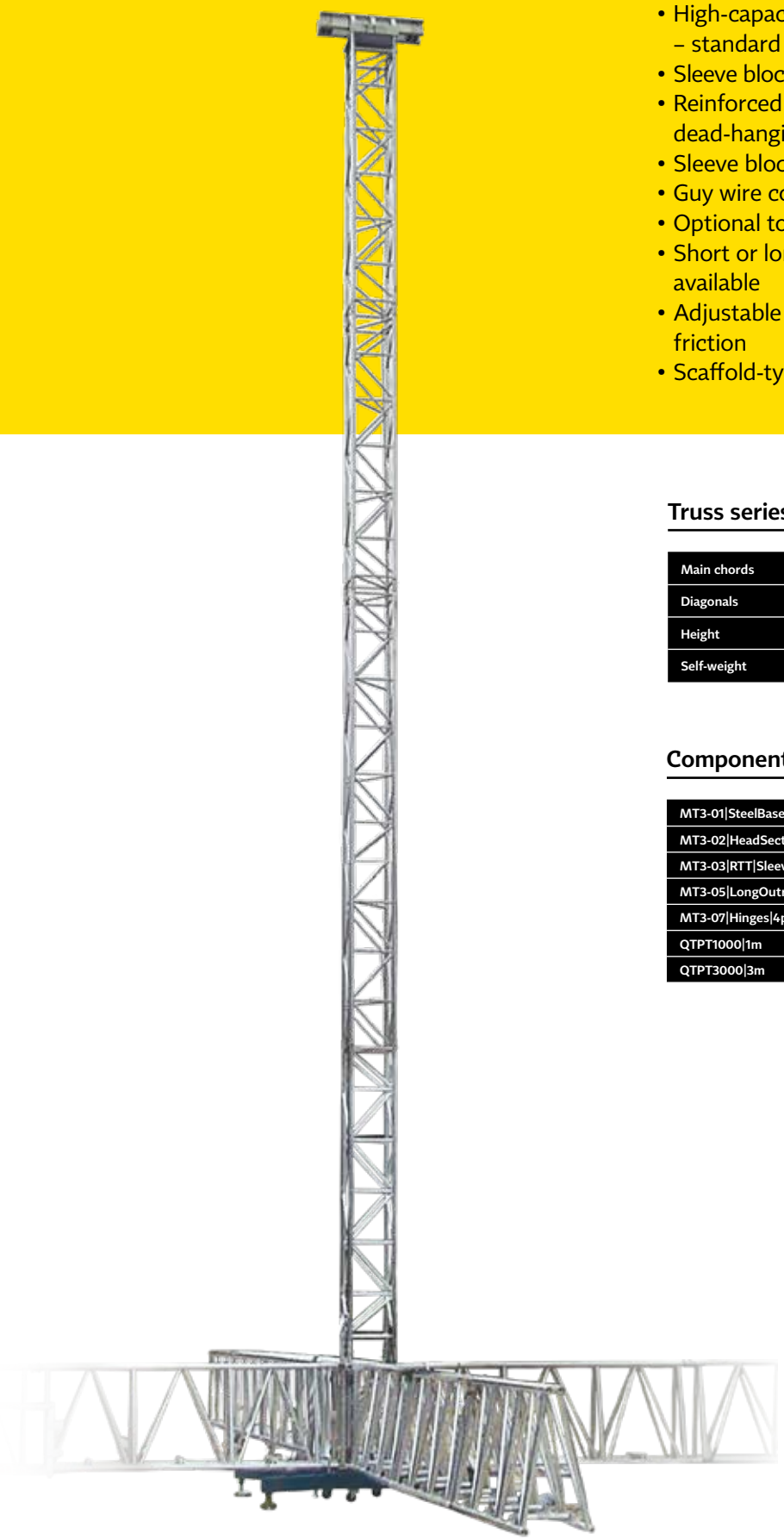


Concrete Ballast Base MCBB

kg	lbs	Weight
		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

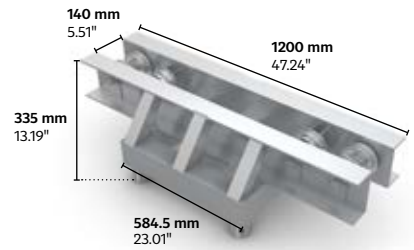
MT3-01|SteelBase	1 piece
MT3-02|HeadSection	1 piece
MT3-03|RTT|SleeveBlock	1 piece
MT3-05|LongOutrigger	4 pieces
MT3-07|Hinges|4pcs	1 set
QTPT1000|1m	1 piece
QTPT3000|3m	4 pieces

MT3-01|SteelBase

kg lbs

Weight
76.00 (167.35)

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

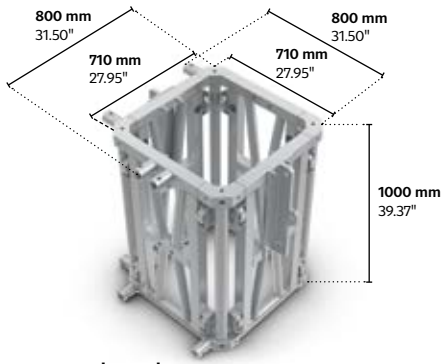


MT3-02|HeadSection

kg lbs

Weight
49.40 (108.78)

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



MT3-03|RTT|SleeveBlock

kg lbs

Weight
112.00 (246.62)

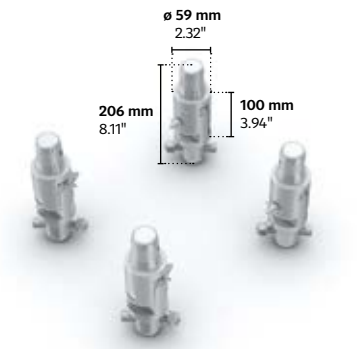
Sleeve Block FTT
Made with heavy-duty aluminium profiles connected with steel components.
For use with full M950 range.

MT3-05|LongOutrigger

kg lbs

Weight
35.10 (77.29)

Long outrigger
1.4 m (4.59') long, including scaffold-type spindles.

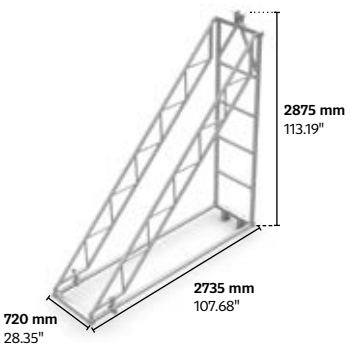


MT3-07|Hinges|4pcs

kg lbs

Weight
5.00 (11.02)

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



MT3-11|Helper

kg lbs

Weight
81.00 (178.52)

Used for assistance in elevating the tower.

MT3-10|FixSet

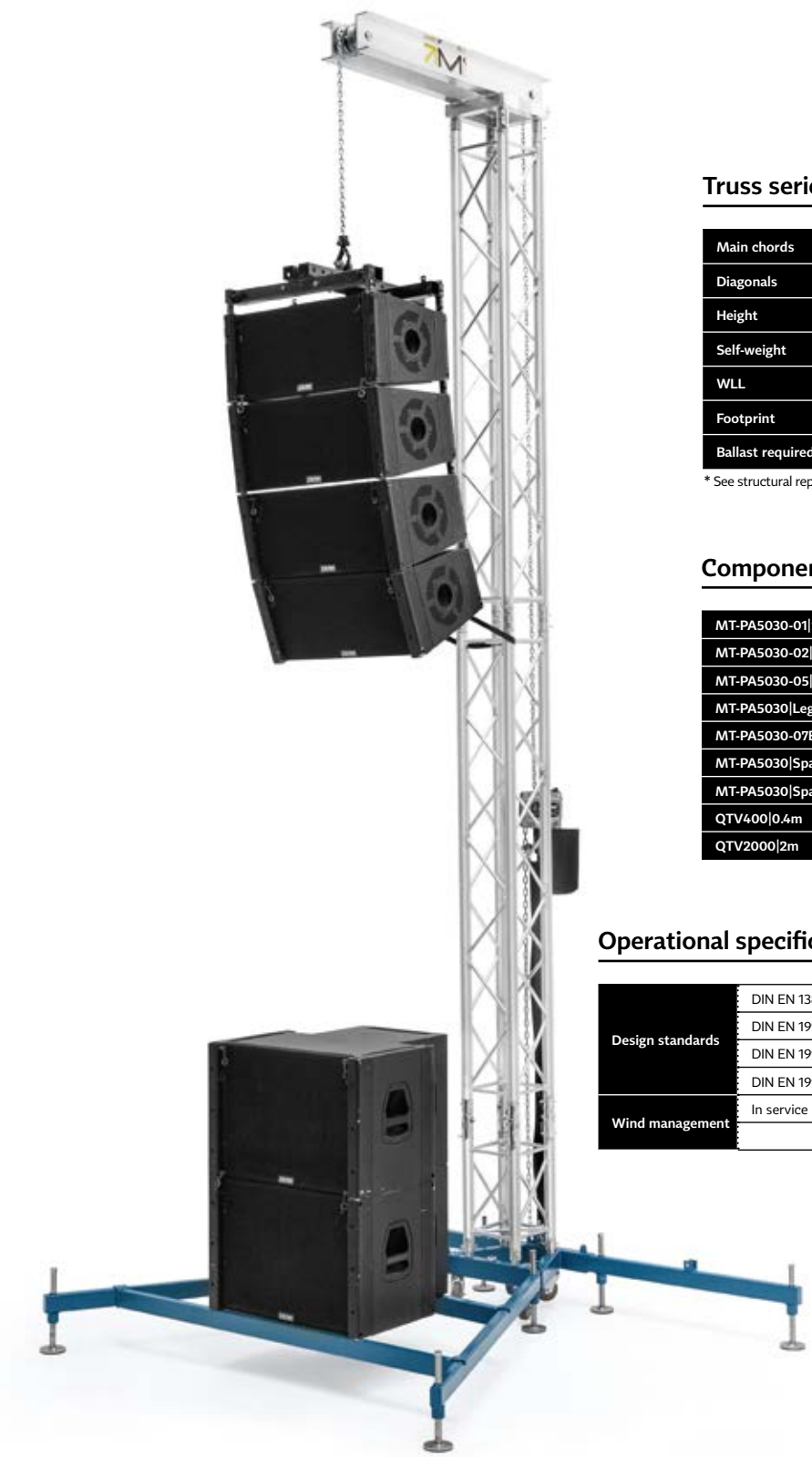
kg lbs

Weight
10.00 (22.20)

Used over MT3 mast top to secure the sleeve block.

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 of 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)

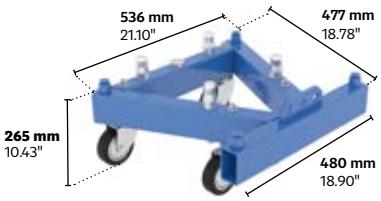
* See structural report

Components for MT-PA5030 5 m (16.40 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|4pcs	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 in-service wind speed

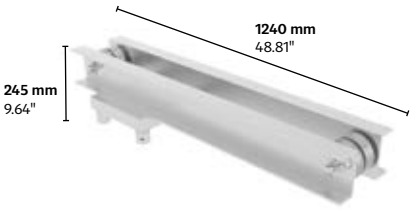


MT-PA5030-01|SteelBase

kg lbs

Weight
16.9 (37.3)

Steel base with wheels.

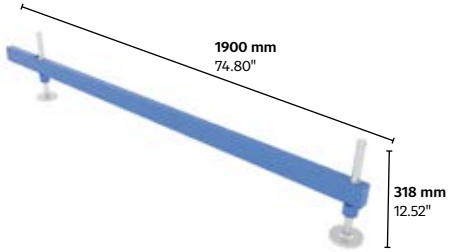


MT-PA5030-02|HeadSection

kg lbs

Weight
23.5 (51.8)

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

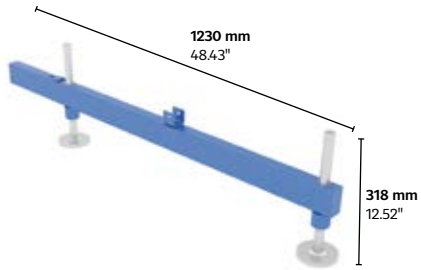


MT-PA5030|Leg

kg lbs

Weight
18.4 (40.6)

Including adjustable spindles.

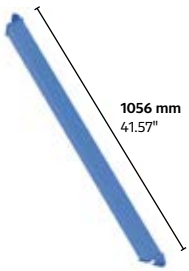


MT-PA5030-05|LongOutrigger

kg lbs

Weight
12.3 (27.1)

Including adjustable spindles.

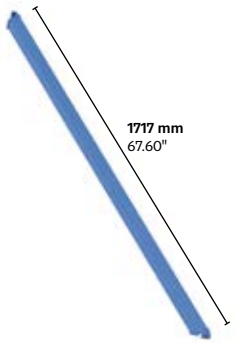


MT-PA5030|SpacerColor960

kg lbs

Weight
6.3 (13.9)

Spacer used as ballast base.

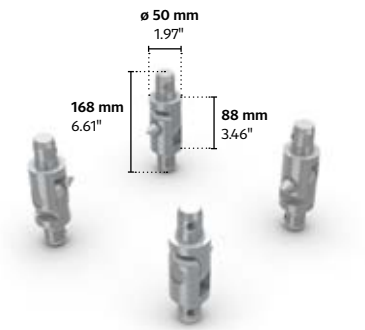


MT-PA5030|SpacerColor1620

kg lbs

Weight
10.4 (22.9)

Spacer used as ballast base.



MT1-07B|SetHinge|4pcs

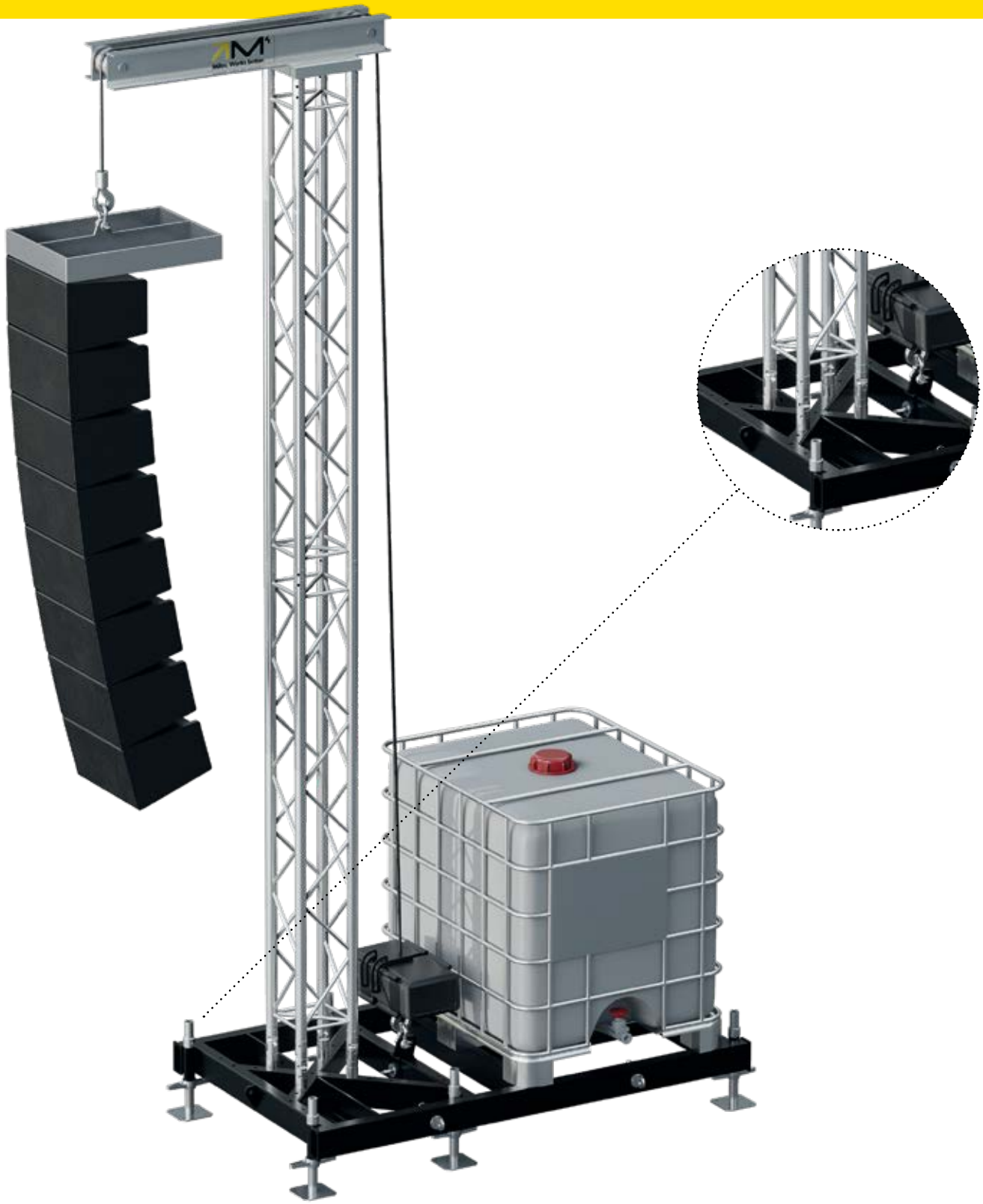
kg lbs

Weight
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

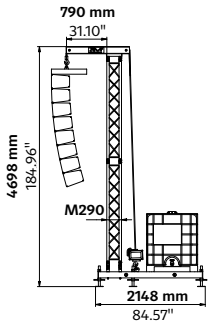
- Robust and stable thanks to steel MT-IconBase
- Ensures effective deployment of ballast
- Multiple attachment points on base
- Compact footprint
- Manual or electric hoist can be used on head section or icon base connection
- Erecting helper available
- Spindle feet with large contact surface
- Quick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

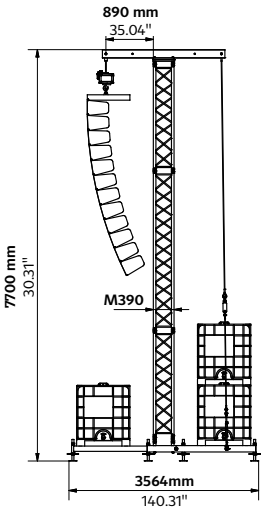
WLL	kg	lbs	400 (881.85)
Self weight	kg	lbs	220 (485.01)
Height	m	ft	5 (16.40)
Footprint	m	ft	2.15×1.2 (7.05×3.93)
Ballast required	kg	lbs	1000 (2204.62)



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)

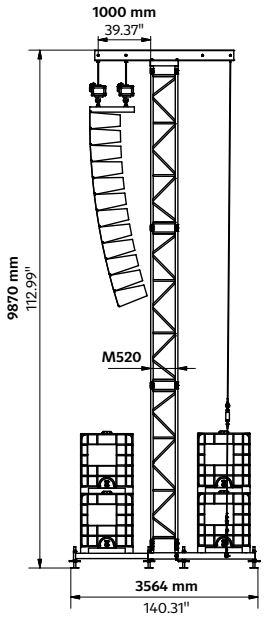
WLL	kg	lbs	800 (1763.69)
Self weight	kg	lbs	325 (716.50)
Height	m	ft	8 (26.24)
Footprint	m	ft	3.5×1.2 (10.33×3.93)
Ballast required	kg	lbs	3000 (6613.86)

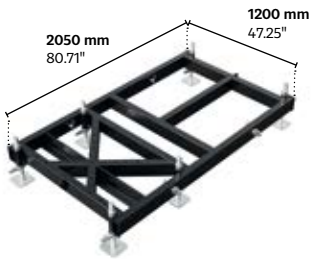


MT-ICON-PA100100

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

kg	lbs	Weight
		156.00 (343.00)

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

kg	lbs	Weight
		21.00 (46.29)

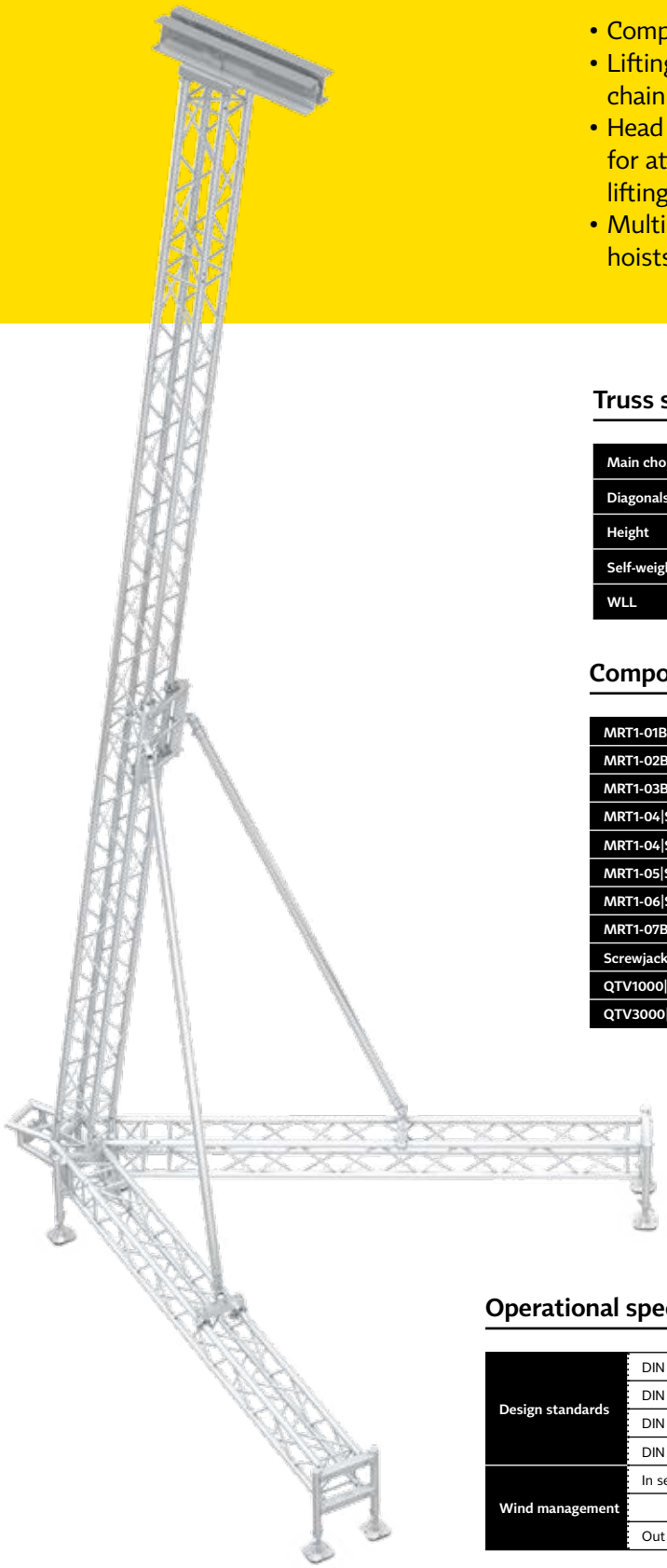
Outrigger extension arm

MT- Icon Base Hanger

kg	lbs	Weight
		3.2 (7.05)

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)

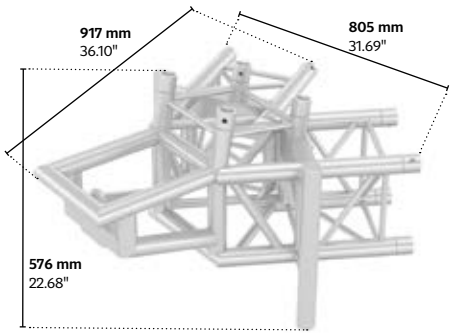
Components for MRT1 8 m tower

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 payload with 3.0 m² front size and 2.5 m² side size → ballast 250 kg per end of long legs + 320 kg on back side
	750 kg payload with 3.0 m² front size and 2.5 m² side size → ballast 1000 kg centrally on a cross beam placed on top of the legs
	400 kg payload with 1.5 m² front size and 1.0 m² side size → ballast 500 kg centrally on a cross beam placed on top of the legs

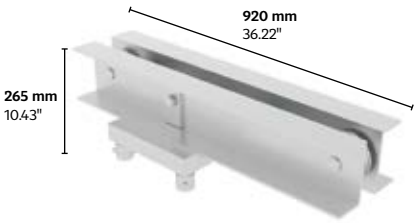


MRT1-01B|BaseCorner

kg lbs

Weight
10.8 (23.8)

For use with M290 series. Equipped with bracket for chain hoist.

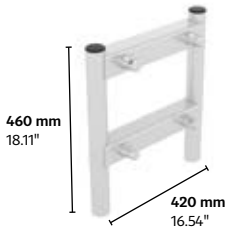


MRT1-02B|HeadSection

kg lbs

Weight
14.5 (32)

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

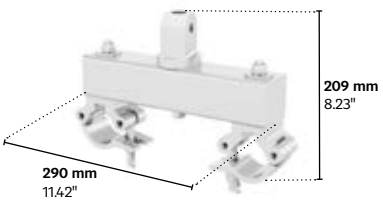


MRT1-03B|ScrewjackAdapter

kg lbs

Weight
6.5 (14.3)

Adapter stand for screw jacks.

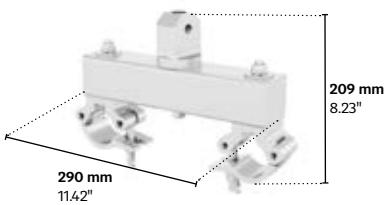


MRT1-04|StabilizerHorizontalR

kg lbs

Weight
2.6 (5.7)

Right horizontal stabiliser attachment.

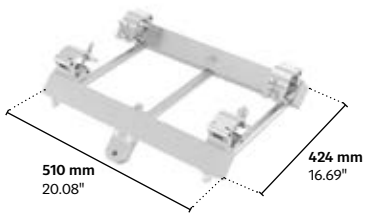


MRT1-04|StabilizerHorizontalL

kg lbs

Weight
2.6 (5.7)

Left horizontal stabiliser attachment.

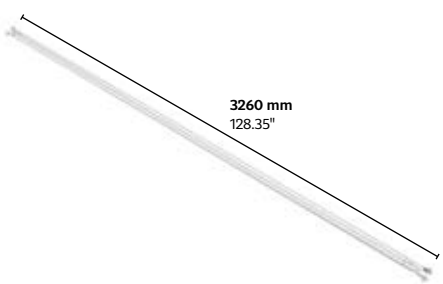


MRT1-05|StabilizerVertical

kg lbs

Weight
7.5 (16.5)

Vertical stabiliser attachment.

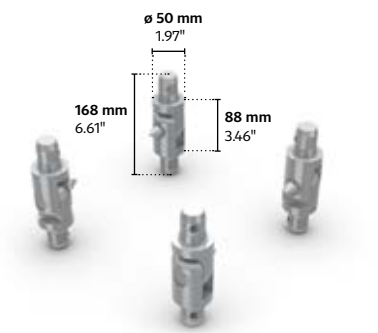


MRT1-06|StabilizerTube

kg lbs

Weight
10.8 (23.8)

Stabiliser tube 60×6 mm (2.36×0.24").

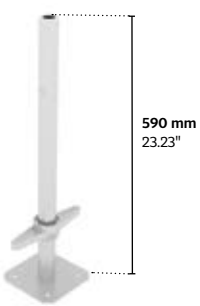


MRT1-07B|Hinges|4pcs

kg lbs

Weight
2.40 (5.28)

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

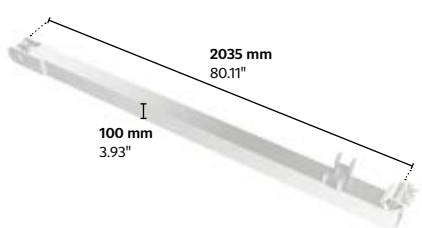


ScrewjackTR38×1-590

kg lbs

Weight
3.2 (7.00)

Screw jack.



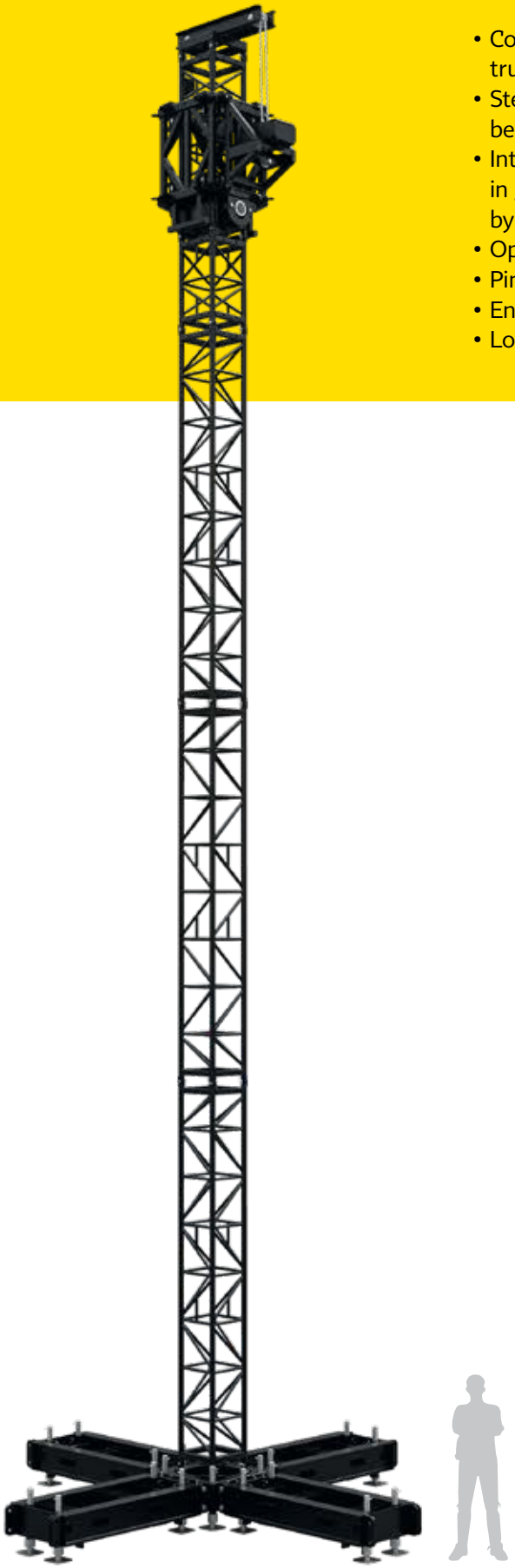
MRT1 Helper

kg lbs

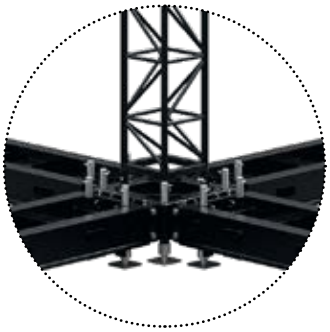
Weight
21.00 (46.29)

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: 35 m 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 capacity a capacity of 45.3 t

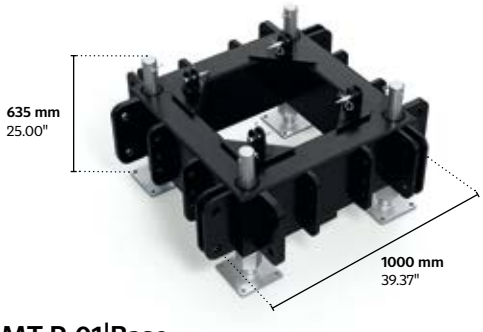


S-MT-P-16 Steel Tower

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

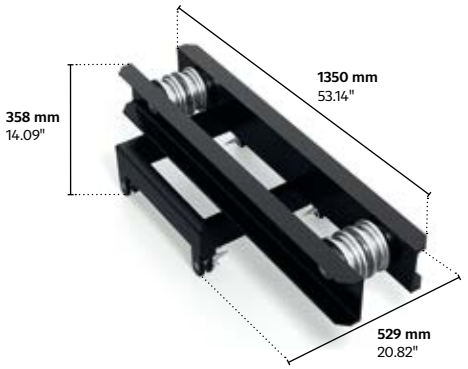
S-MT-P-01-Base	**1 piece**
S-MT-P-02-Head	**1 piece**
S-MT-P-03-Sleeve	**1 piece**
S-MT-Q-05-Outrigger2000	**4 pieces**
S-MT-P-Bracket	**1 piece**
S-MT-P-10-Locking	**1 piece**
S-QTPT 4000	**3 pieces**
S-QTPT 1000	**2 pieces**



S-MT-P-01|Base

Weight
390 (859.80)

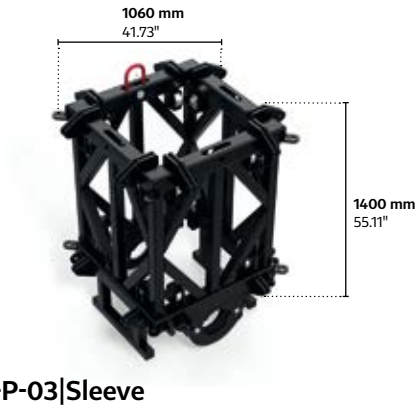
A robust steel base that is compatible with our steel S-QTPT truss. It includes large steel spindles and high-grade steel outrigger connections on all sides for providing extra strength and stability to the tower.



S-MT-P-02|HeadSection

Weight
100 (220.46)

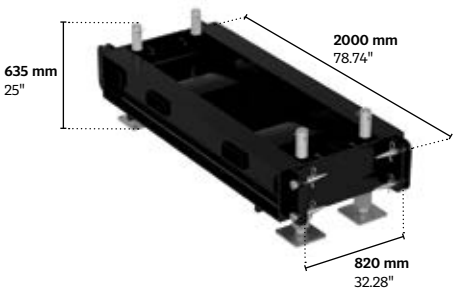
A steel tower top section fitted with a double aluminium pulley system equipped with heavy-duty bearings.



S-MT-P-03|Sleeve

Weight
380 (837.75)

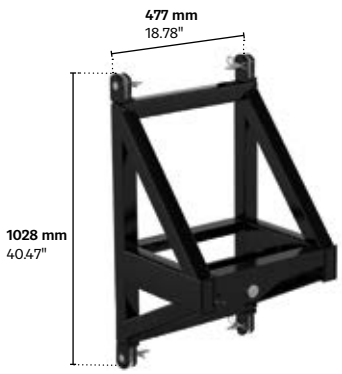
A four-way, heavy-duty steel sleeve block for use with our S-QTPT Tower.



S-MT-Q-05|Outrigger2000

Weight
440 (970.03)

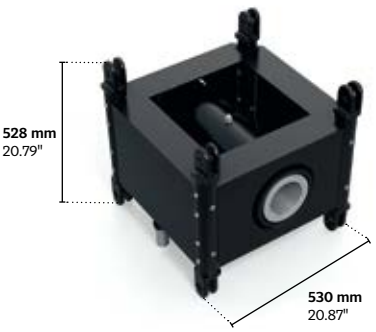
This heavy-duty steel outrigger provides extra stability for your steel towers. It comes with four large spindles and features a wide range of lengths for added flexibility for constructing stable grids.



S-MT-P-09|Bracket

Weight
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.

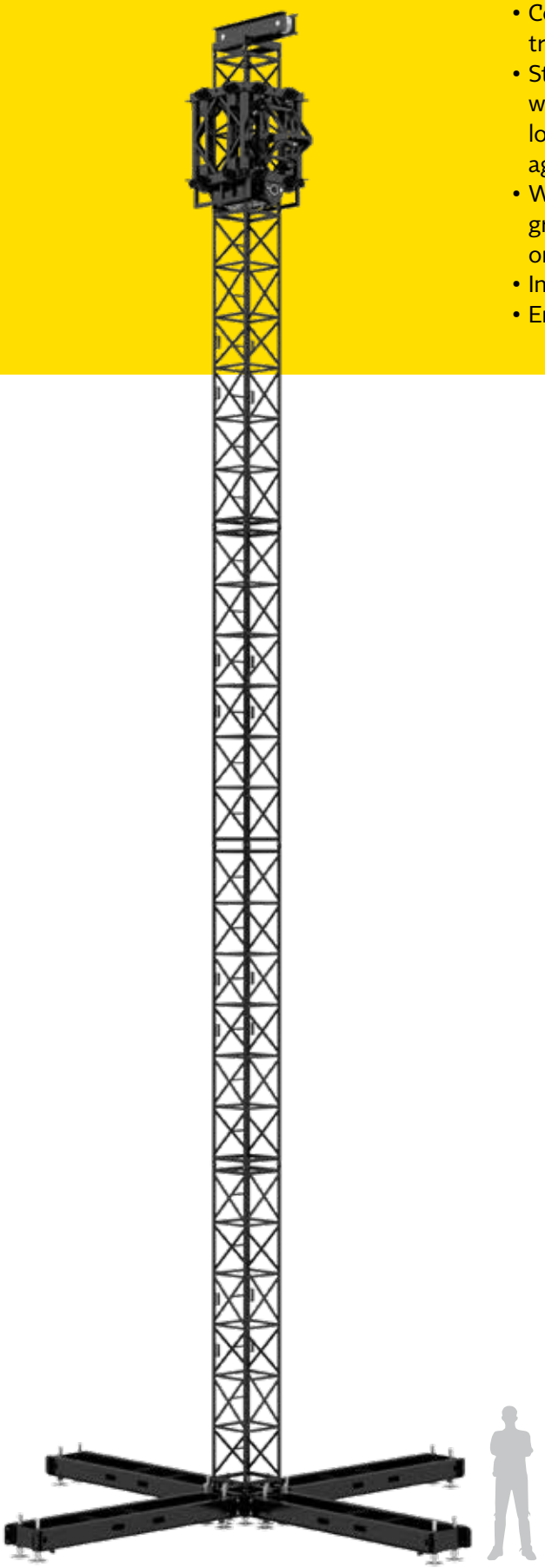


S-MT-P-10|LockingUnit

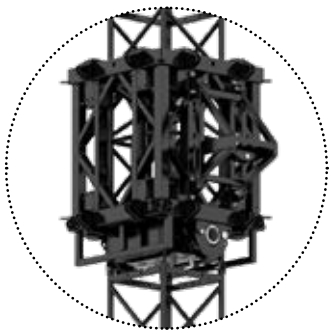
Weight
200 (440.92)

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, 40 m 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 high tower in a guy-wire-braced ground support, the load capacity is up to 70.1 t, or up to 45.3 t when used with a locking unit
- Integrated ladder for easy climbing
- End frames equipped with lateral connection options

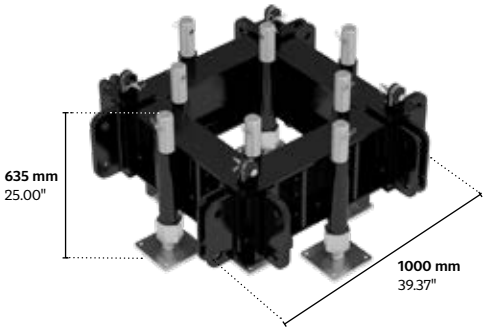


S-MT-Q Steel Tower

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** (13 448)

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**

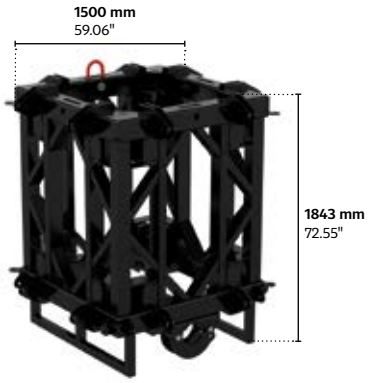


S-MT-Q-01|Base

kg lbs

Weight
495 (1091.28)

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

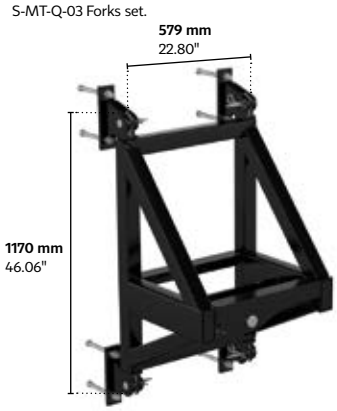


S-MT-Q-03|Sleeve

kg lbs

Weight
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.

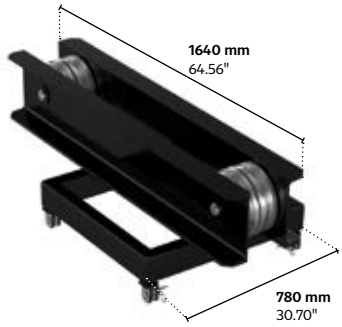


S-MT-Q-09|Bracket

kg lbs

Weight
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.

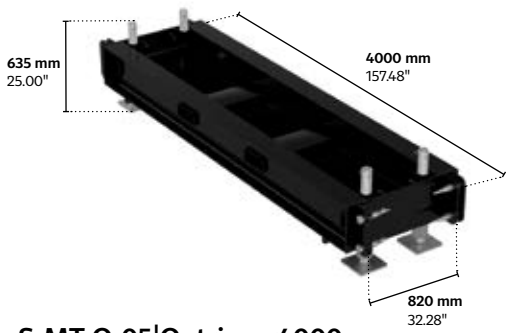


S-MT-Q-02|HeadSection

kg lbs

Weight
260 (573.20)

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

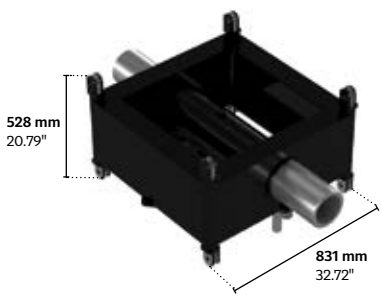


S-MT-Q-05|Outrigger4000

kg lbs

Weight
640 (1410)

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



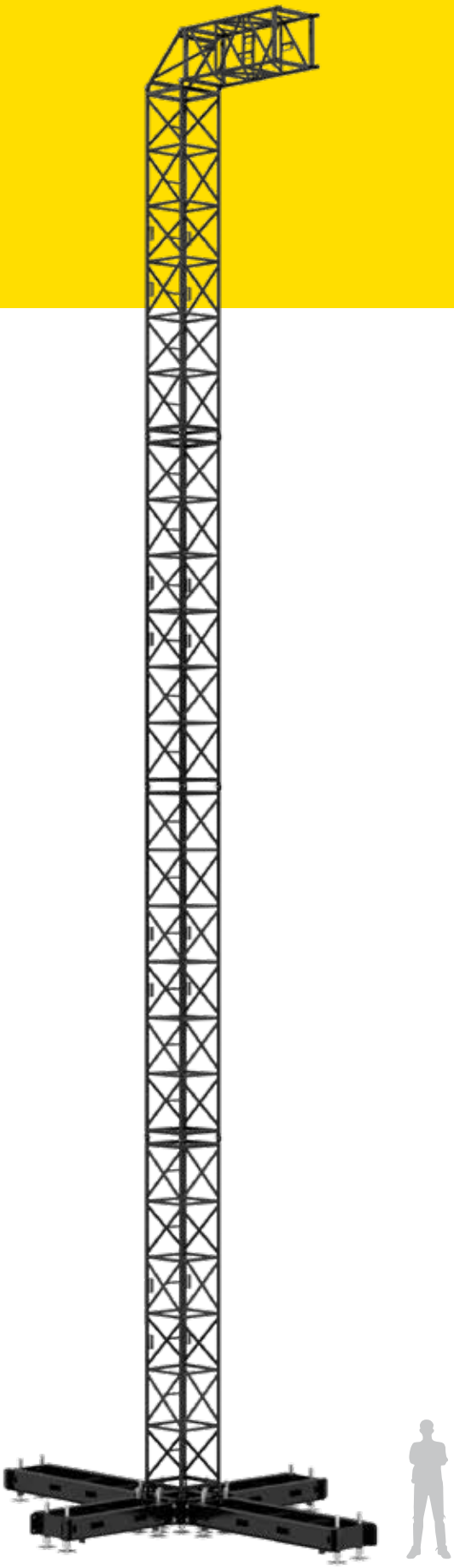
S-MT-Q-10|LockingUnit

kg lbs

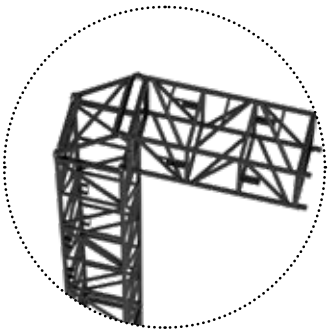
Weight
279 (615.10)

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; 40 m spans with 76 kg/m UDL)
- Fly up to 2.5 t PA Systems up to 20 metres high
- Integrated steel base with outriggers (3 m outriggers at front/back and 2 m 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:

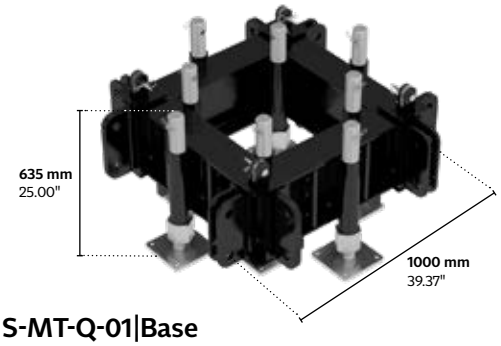
Front face of PA:	m / ft	**10 m²** (107.64 ft²)
Side face of PA:	m / ft	**5 m² max.** (53.82 ft²)
Loading capacity:	kg / lbs	**2500** (5511)

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

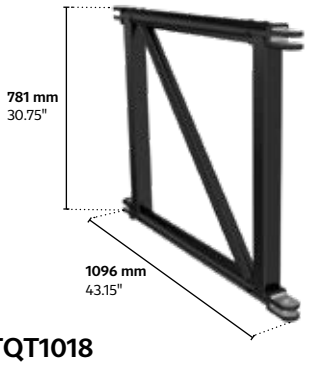
S-MT-Q-01|Base	**1 piece**
S-MT-Q-05|Outrigger2000	**2 pieces**
S-MT-Q-05|Outrigger3000	**2 pieces**
S-QTQT5000|5m	**4 pieces**
S-BTQT1018sp	**1 piece**
S-QTQT2000|2m	**1 piece**



S-MT-Q-01|Base

Weight
495 (1091.28)

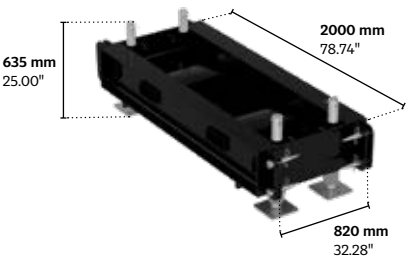
A robust steel base that is compatible with our steel S-QTQT truss. It includes 8 large steel spindles and high-grade steel outrigger connections on all sides for providing extra strength and stability to the tower.



S-BTQT1018

Weight
35 (77.16)

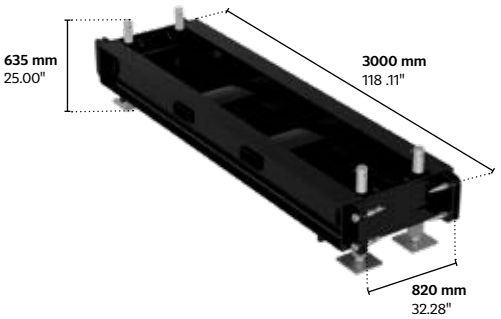
The S-BTQT1018sp provides reliable support for the cantilever on the Steel PA Tower.



S-MT-Q-05|Outrigger2000

Weight
440 (970.03)

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



S-MT-Q-05|Outrigger3000

Weight
540 (1190.47)

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

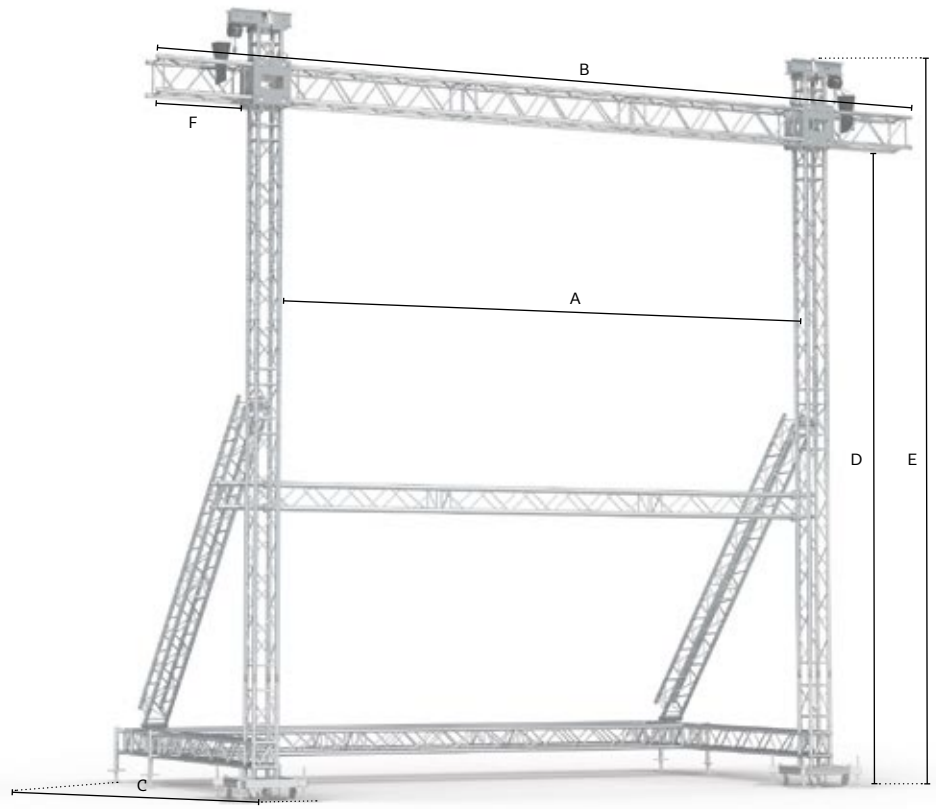
LED screen structures

Raise your loads

Use QR code for full range

LSG0 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

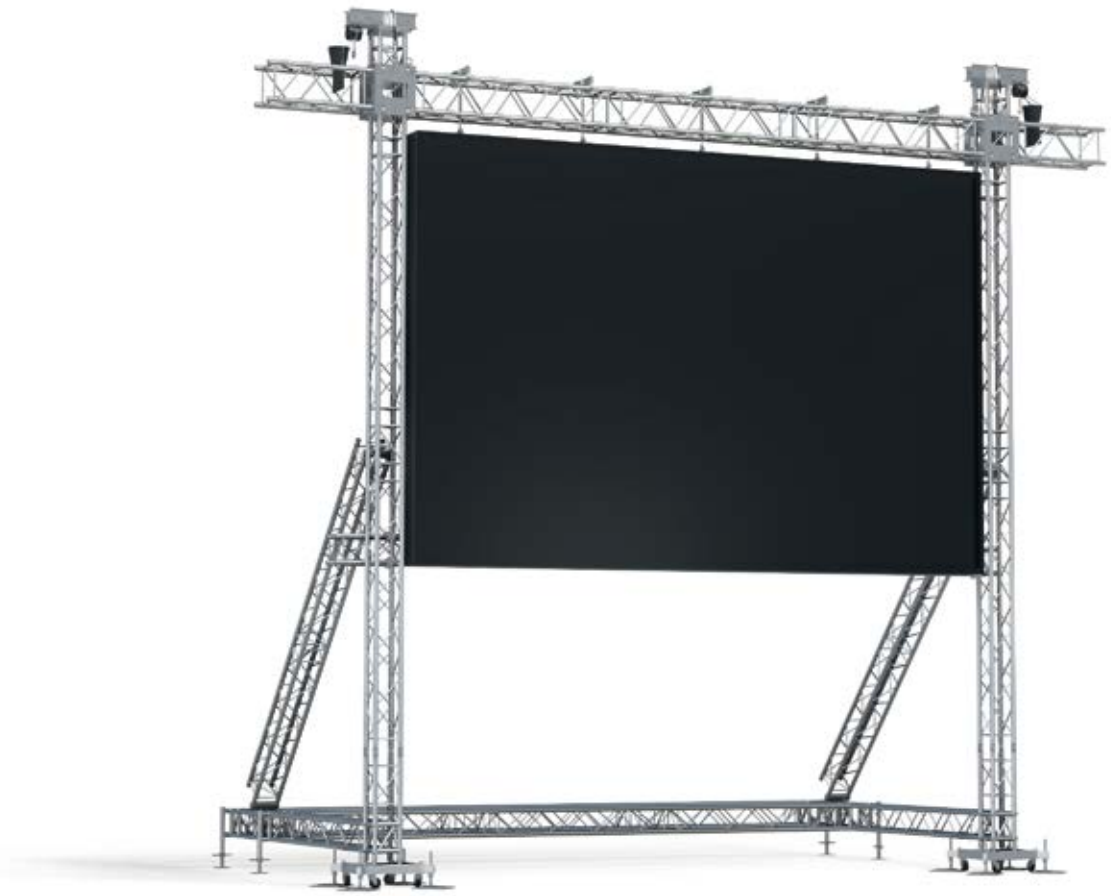


Technical specifications

		LED screen size ›	**6.5×7m** (21.32×22.97 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 ›	**6.5×7m** (21.32×22.97 ft)
Loading capacity	LED Screen	UDL	**250 kg/m** (168 lbs/ft)
		Max. total load	**1500 kg** (3306 lbs)
	PA wing	Point load	**250 kg** (551 lbs)
	* See structural report for exact load positioning		



Operational specifications

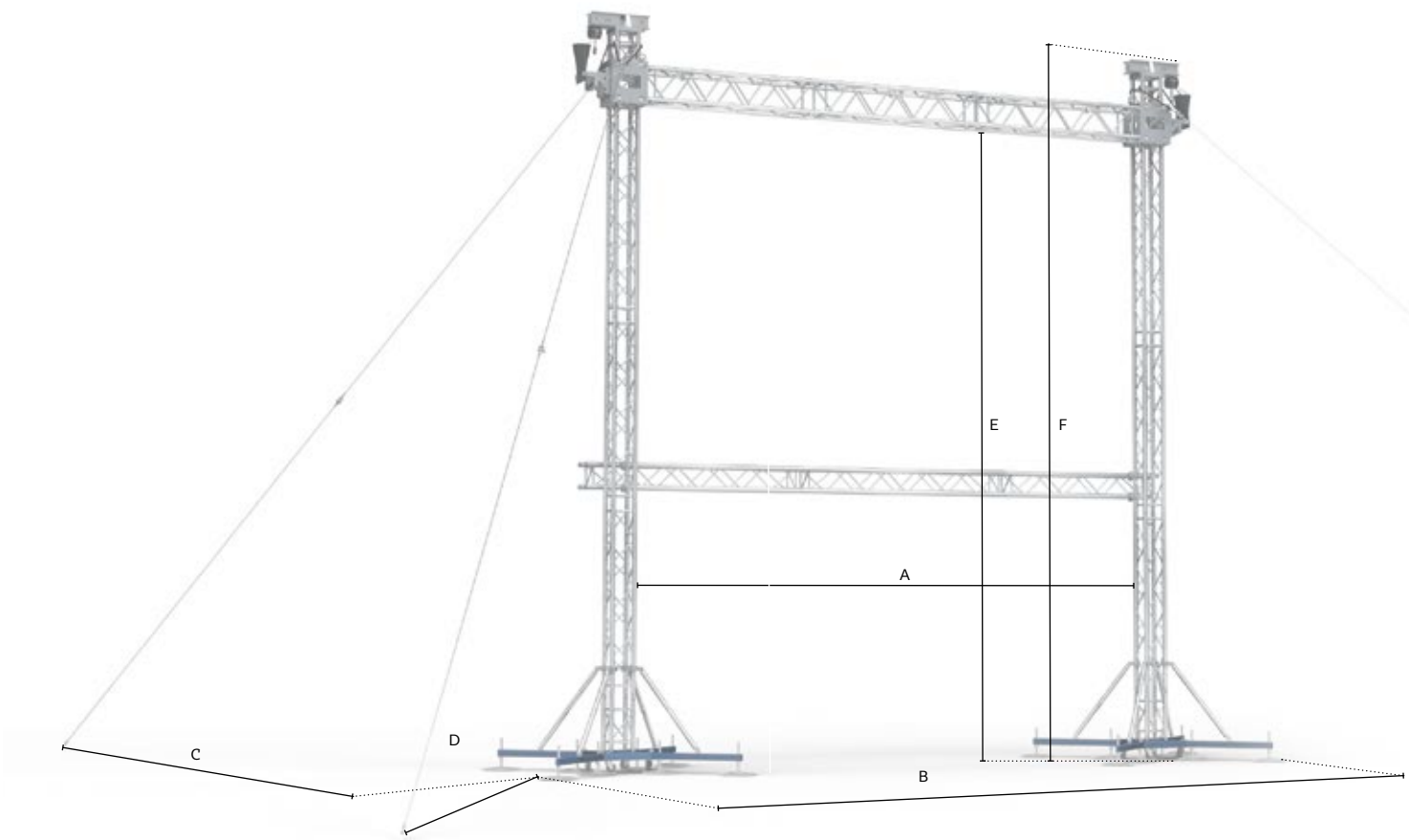
Design standards	DIN EN 13814	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures / wind
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	In service	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed)
	*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	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 cconfiguration or alternative dimensions, on request • Always verify your screen dimensions, weight and rigging with MILOS	

Transportation data

	LED screen size ›	**6.5×7 m** (21.31×22.97 ft)
Self-weight	* Exact self-weight depends on configuration	**652 kg** (1436 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**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

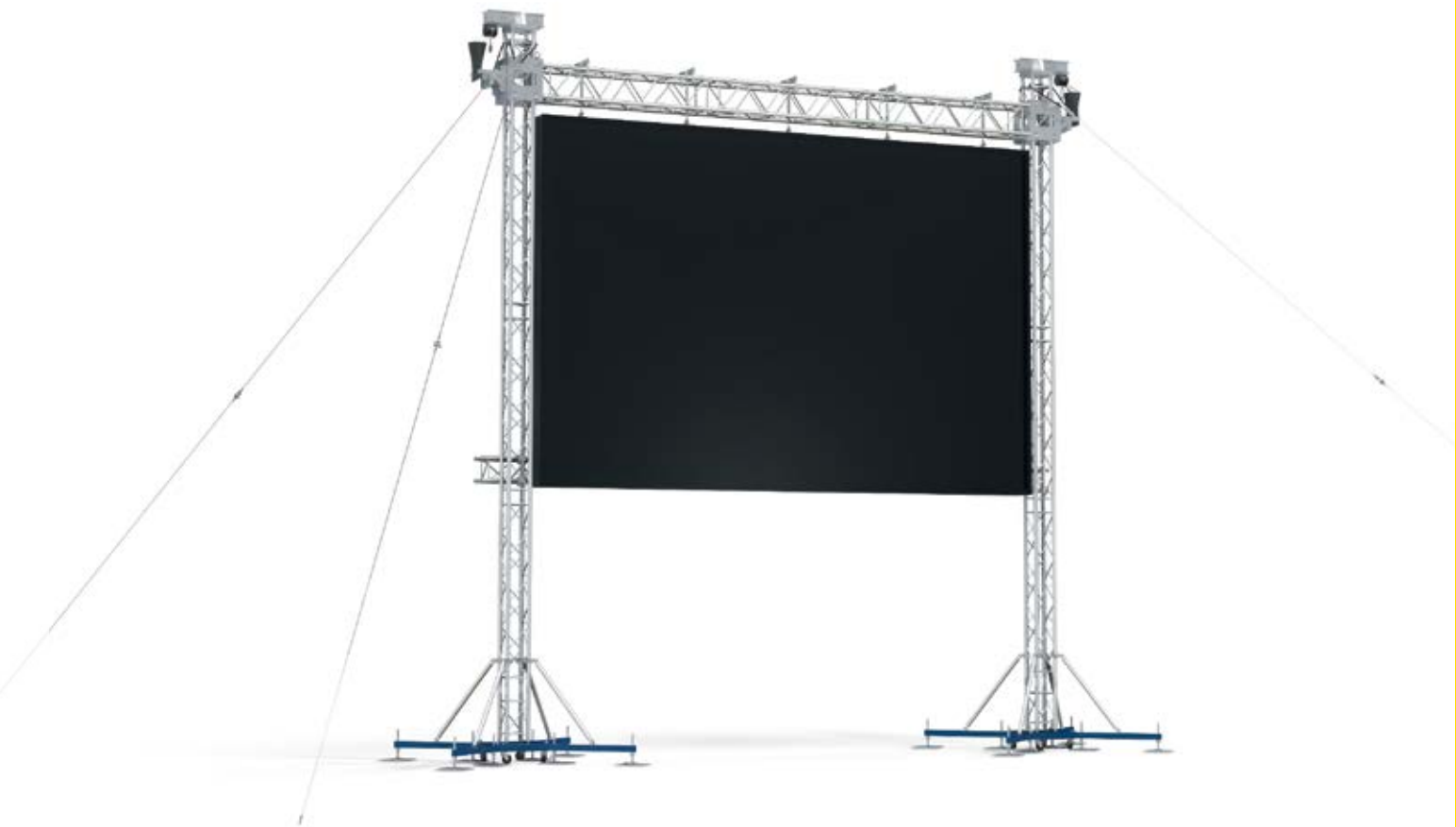


Technical specifications

		LED screen size ›	6.5×7.5m (21.32×24.60 ft)	7.5×7.5 m (24.60×24.60 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 ›	6.5×7.5m (21.32×24.60 ft)	7.5×7.5 m (24.60×24.60 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)
	* See structural report for exact load positioning			



Operational specifications

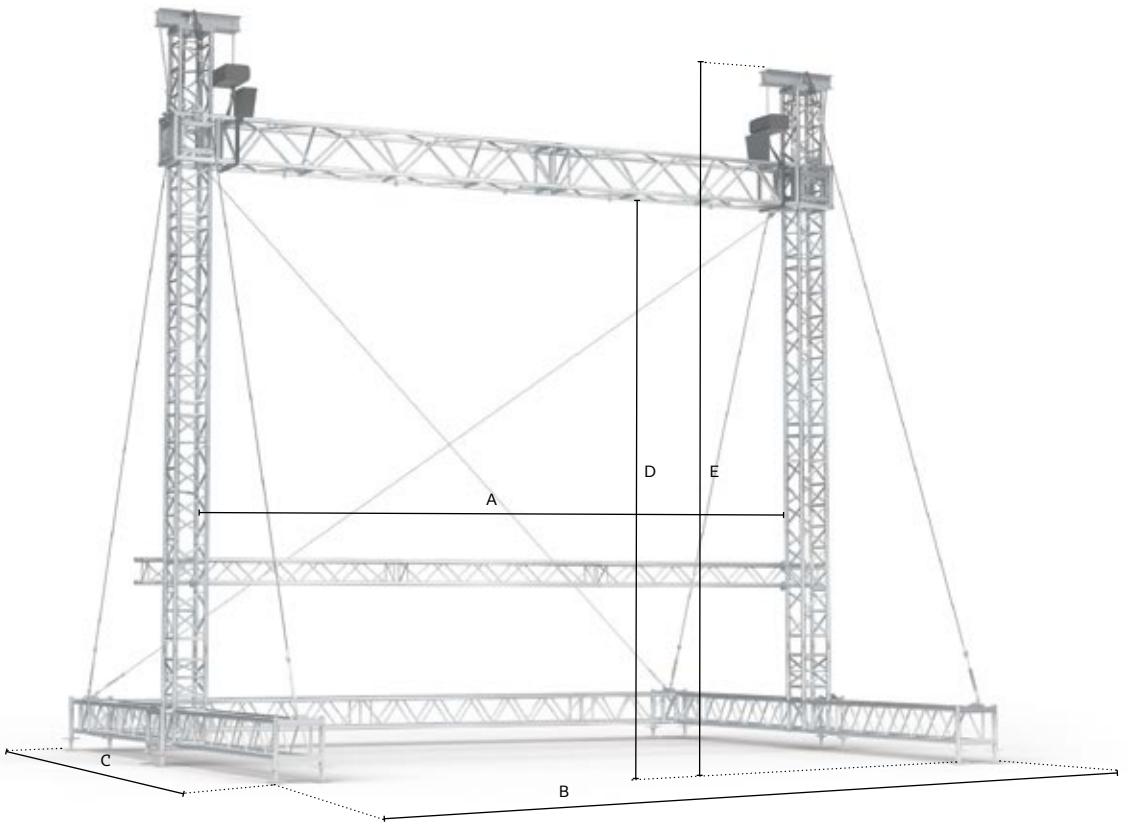
Design standards	DIN EN 13814	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy 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 at the end of each outrigger	
	* 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

	LED screen size ›	**6.5×7.5m** (21.32×24.60 ft)	**7.5×7.5 m** (24.60×24.60 ft)
Self-weight	* Exact self-weight depends on configuration	**850 kg** (1874 lbs)	**485 kg** (1068 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**8 m³** (282 ft³)	**6 m³** (212 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

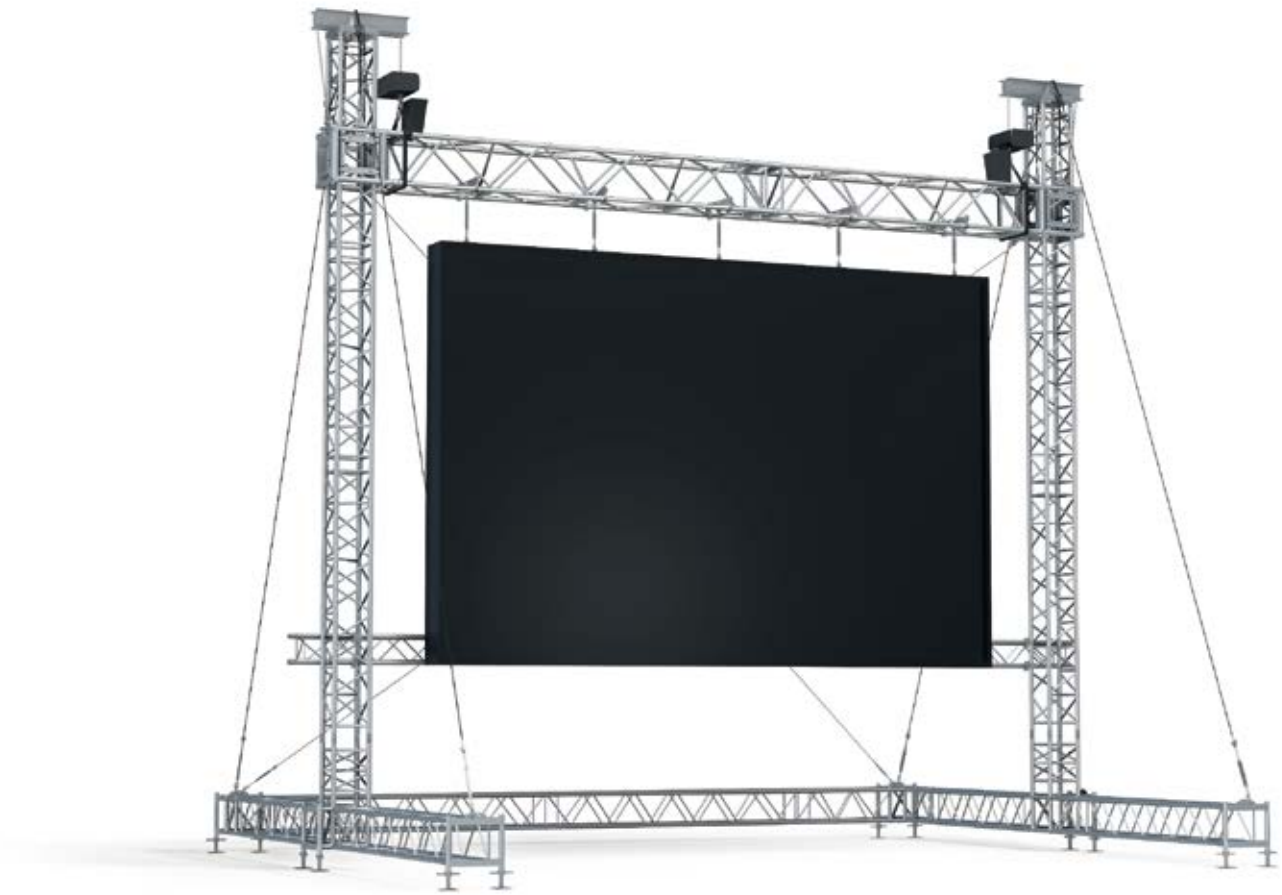


Technical specifications

		LED screen size ›	6.5×7 m (21.31×22.97 ft)	7.5×7 m (24.60×22.97 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 ›	6.5×7 m (21.31×22.97 ft)	7.5×7 m (24.60×22.97 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** (18356 lbs)
		Max. total load	**2500 kg** (5511 lbs)	**2500 kg** (5511 lbs)
	* See structural report for exact load positioning			



Operational specifications

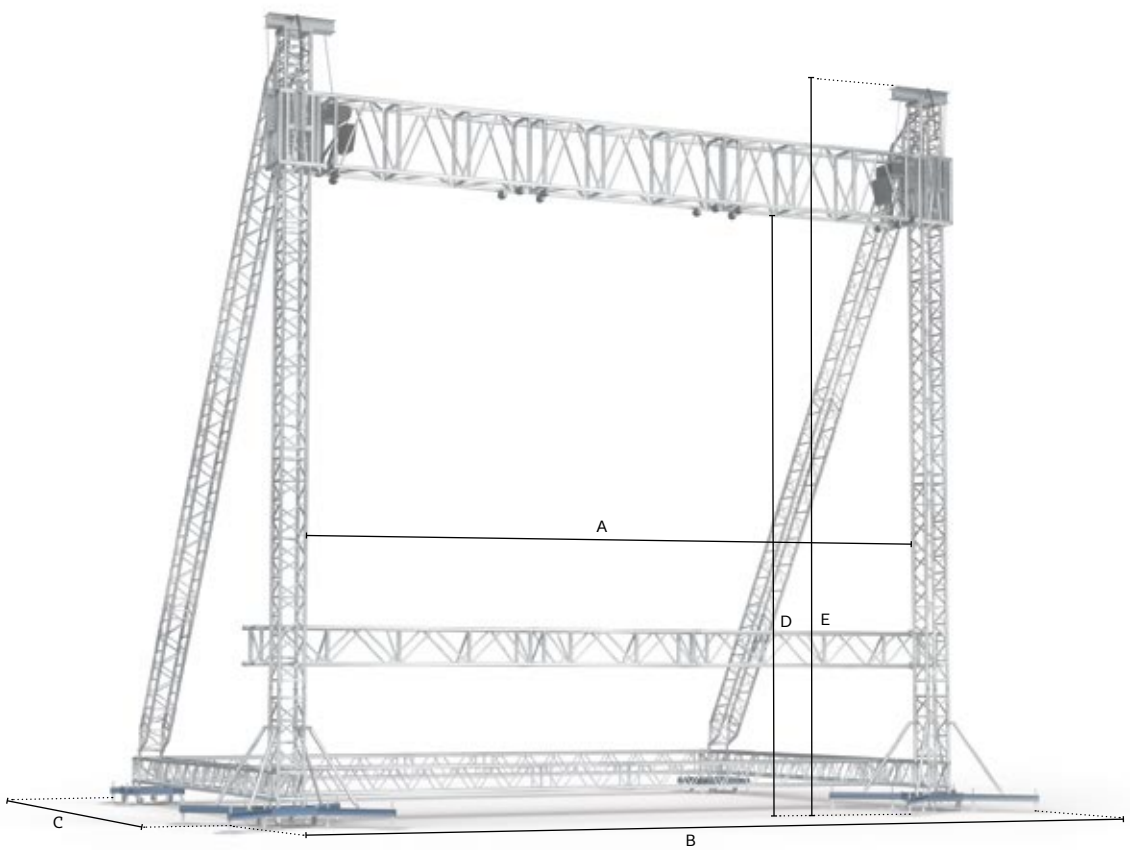
Design standards	DIN EN 13814	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy 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	4×1400 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

	LED screen size ›	**6.5×7 m** (21.31×22.97 ft)	**7.5×7 m** (24.60×22.97 ft)
Self-weight	* Exact self-weight depends on configuration	**750 kg** (1652 lbs)	**800 kg** (1763 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**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

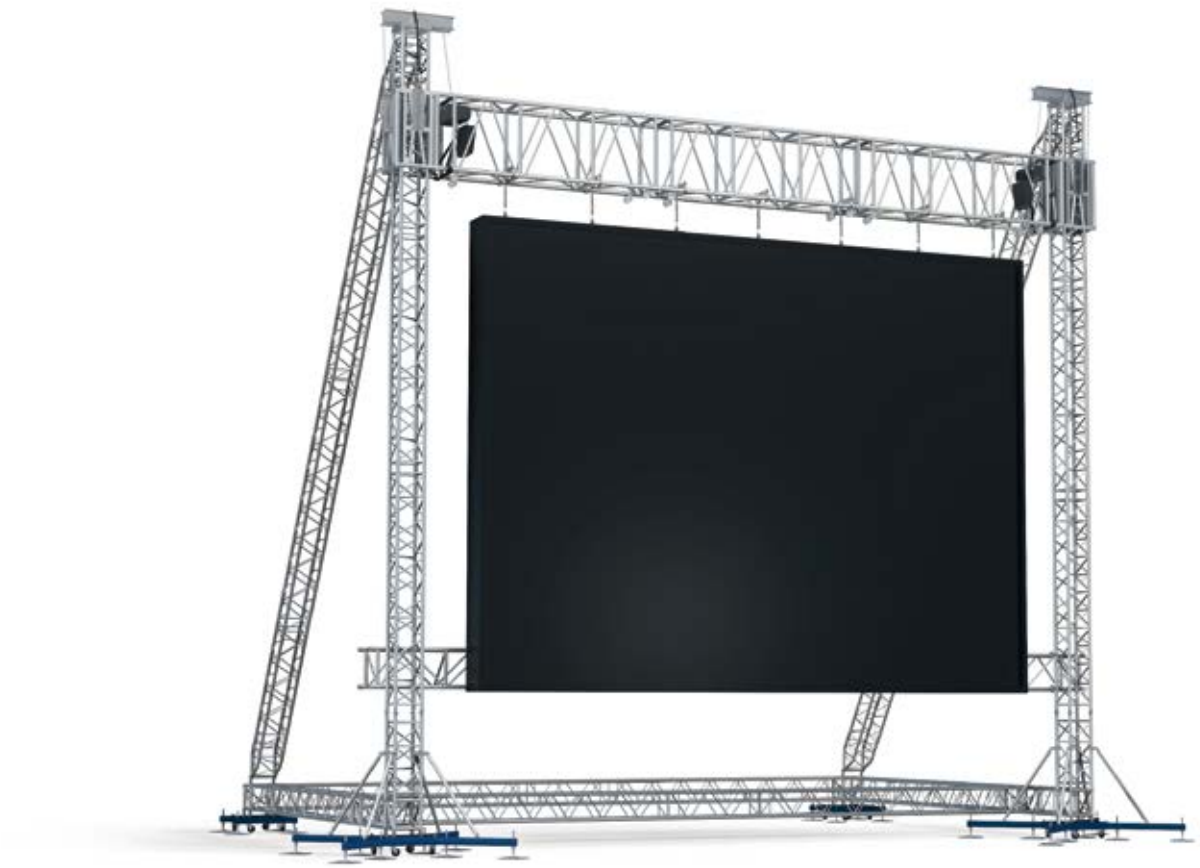


Technical specifications

		LED screen size ›	10.5×9.5 m (34.45×31.17 ft)	8.5×9.5 m (27.89×31.17 ft)
Dimensions	A	Internal width	**10.87 m** (35.66 ft)	**8.87 m** (29.10 ft)
	B	Overall external width	**13.49 m** (44.26 ft)	**10.21 m** (33.49 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** (34.64 ft)	**10.56 m** (34.65 ft)

Loading capacity

		LED screen size ›	10.5×9.5 m (34.45×31.17 ft)	8.5×9.5 m (27.89×31.17 ft)
Loading capacity	LED screen	6× point loads equally divided	**500 kg** (1101 lbs)	**400 kg** (882 lbs)
		4× point loads equally divided	**1000 kg** (2203 lbs)	**840 kg** (1852 lbs)
		Max. total load	**4000 kg** (8811 lbs)	**3300 kg** (7275 lbs)
	* See structural report for exact load positioning			



Operational Specifications

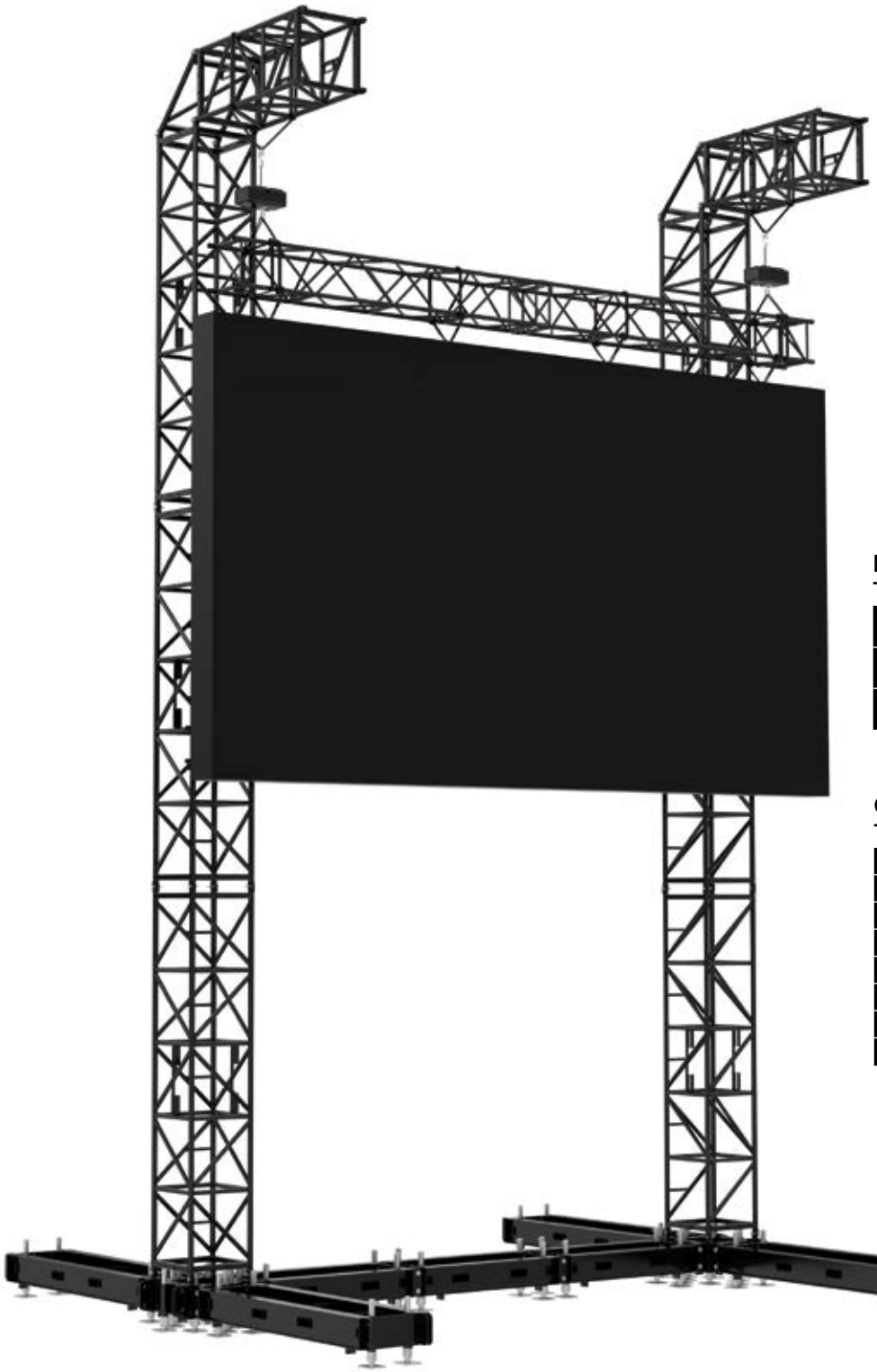
Design standards	DIN EN 13814	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy 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	4×2000 kg / 4410 lbs at the end of each outrigger	
	* 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	

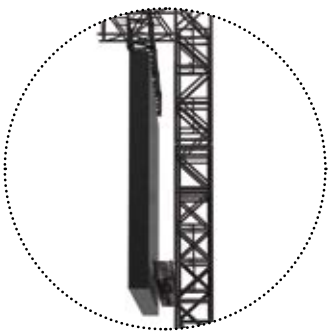
Transportation data

	LED screen size ›	**10.5×9.5 m** (34.45×31.17 ft)	**8.5×9.5 m** (27.89×31.17 ft)
Self-weight	* Exact self-weight depends on configuration	**2400 kg** (5291 lbs)	**1858 kg** (4093 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**15 m³** (530 ft³)	**12 m³** (424 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)
- Integrated steel base with outriggers (3 m 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/second.
- 2 m 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



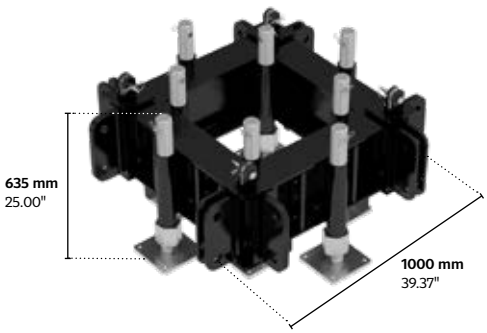


LED screen capacities

8 m tower	60 m² screen frontal area 3000 kg max. loading capacity
12 m tower	40 m² screen frontal area 2000 kg max. loading capacity
16 m tower	20 m² screen frontal area 1000 kg max. loading capacity

Components for LED screen gate

S-MT-Q-01|Base	2 pieces
S-MT-Q-05|Outrigger2000 2 pieces	3 pieces
S-MT-Q-05|Outrigger3000 2 pieces	4 pieces
S-BTQT1018sp	2 pieces
S-QTQT4000|4m	6 pieces
S-QTQT2000|2m	2 pieces
QTK 4000	2 pieces
QTP 4000	2 pieces

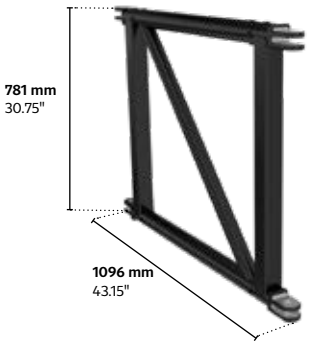


S-MT-Q-01|Base

kg lbs

Weight
495 (1091.28)

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

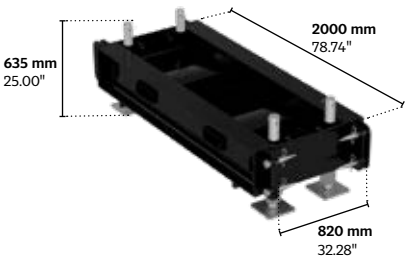


S-BTQT1018

kg lbs

Weight
35 (77.16)

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

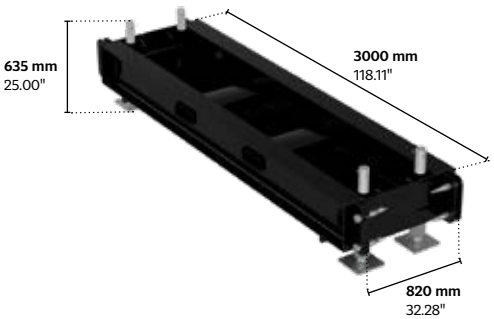


S-MT-Q-05|Outrigger2000

kg lbs

Weight
440 (970.03)

This heavy-duty steel outrigger provides extra stability for your steel towers. It comes with 4 large spindles and features a wide range of lengths for added flexibility for constructing stable grids.



S-MT-Q-05|Outrigger3000

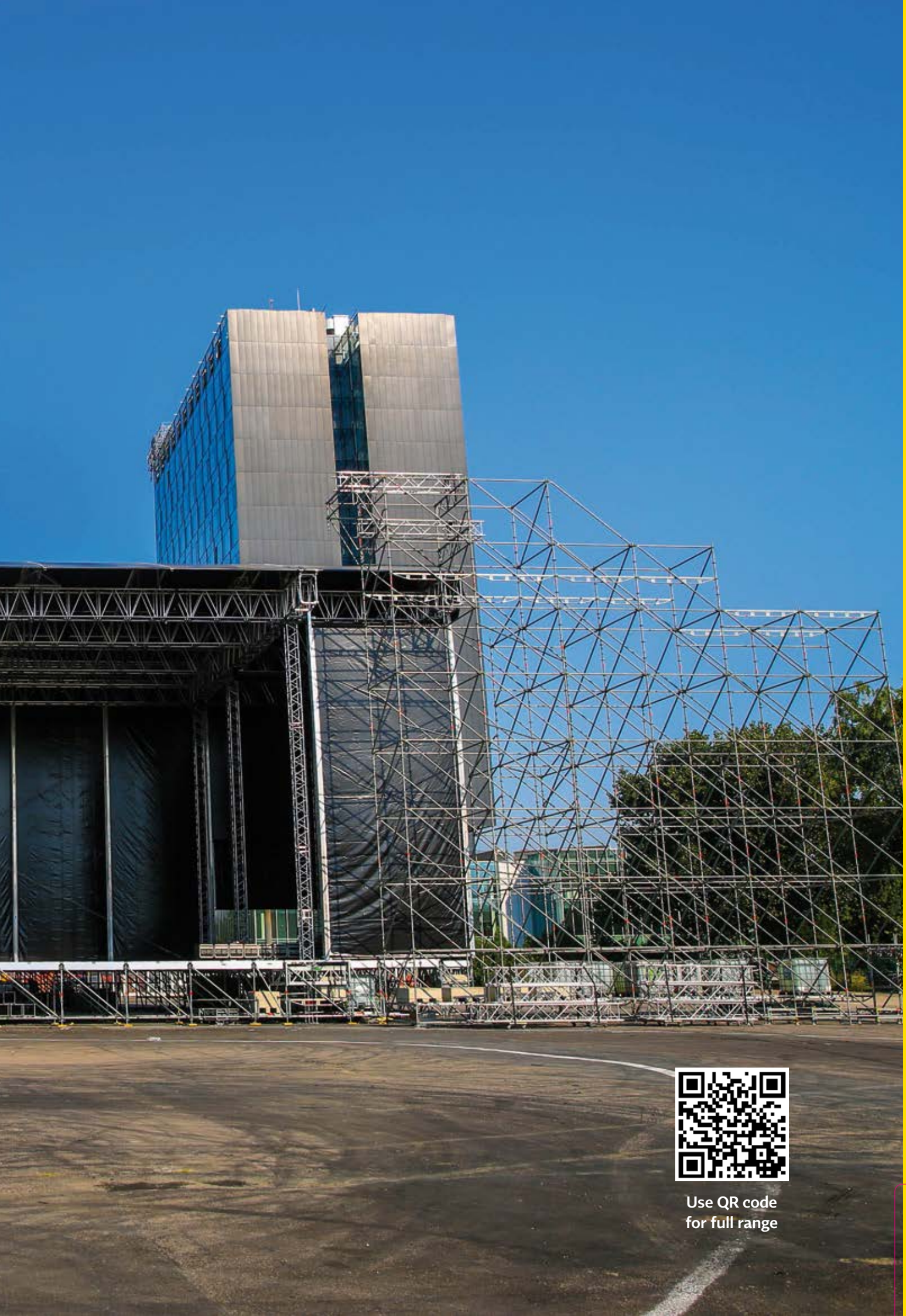
kg lbs

Weight
540 (1190.47)

This heavy-duty steel outrigger provides extra stability for your steel towers. It comes with 4 large spindles and features a wide range of lengths for added flexibility for constructing stable grids.

Roofs

We've got you covered



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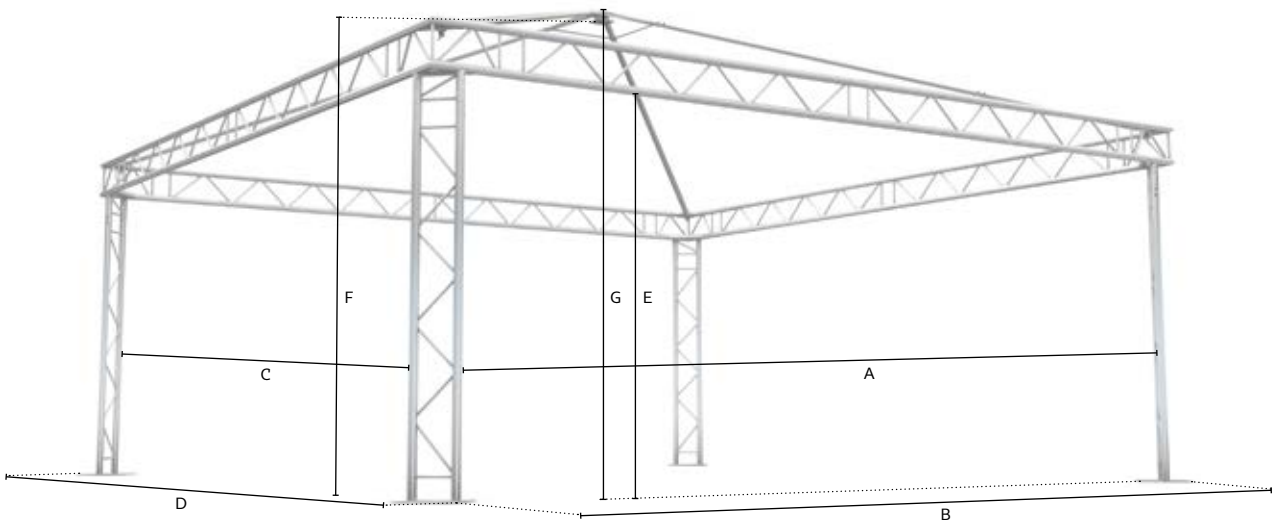
for full range

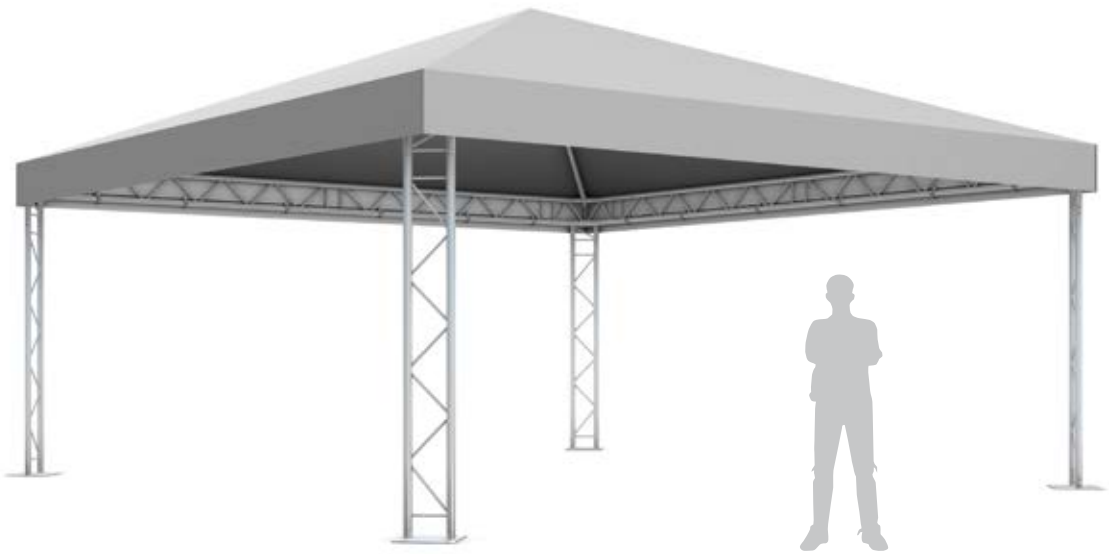
MDT1 tents

- 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)



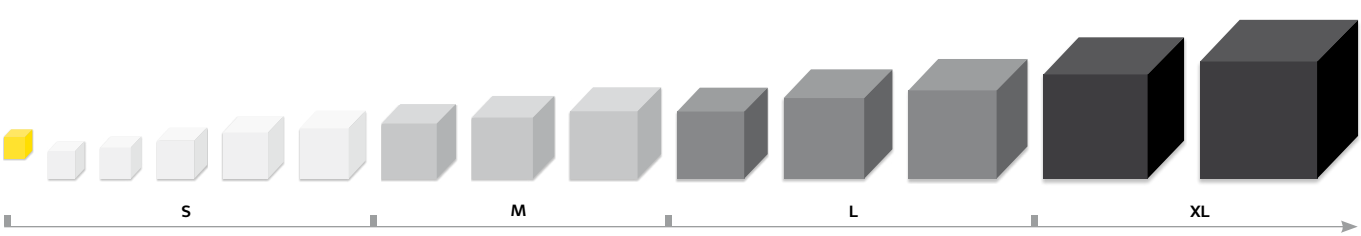
Operational specifications

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)

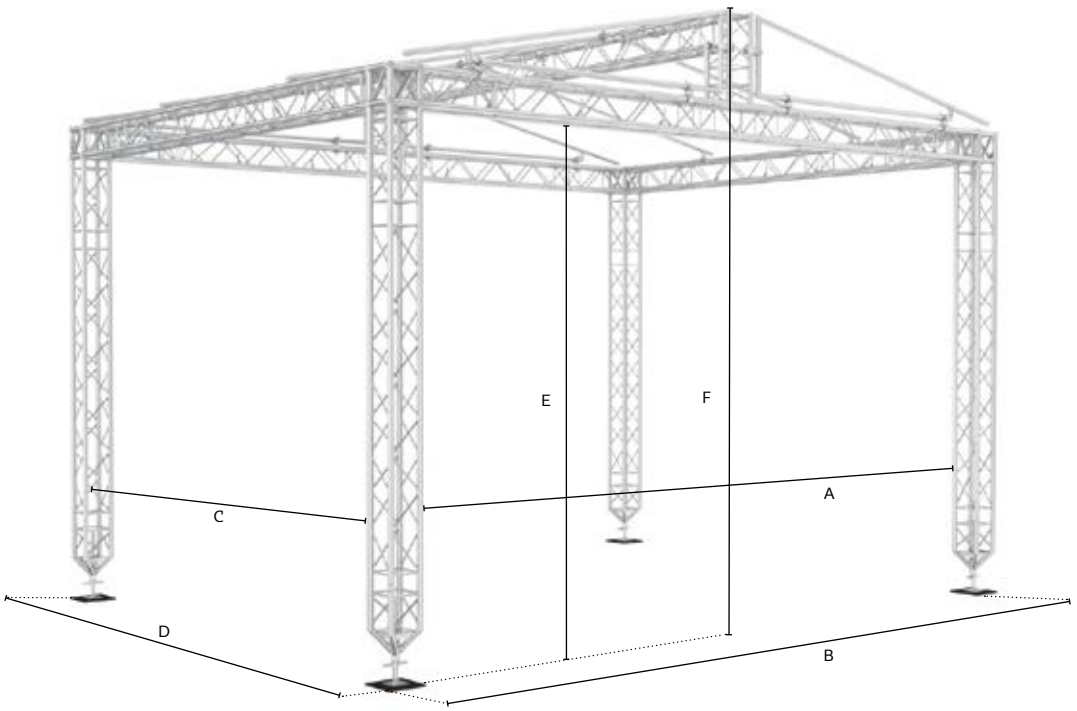
MILOS roof size/UDL overview



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

MR0 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 Corner Brace HD
- Decreased times for roof construction
- Reduced ballast requirements
- Up to 50 kg/m loading on horizontal truss sections
- Loading capacity up to 810 kg (1785 lbs)
- Loads of up to 200 kg (440.92 lbs) per cantilever
- Up to 30 m/s wind loading in accordance with DIN EN 13814



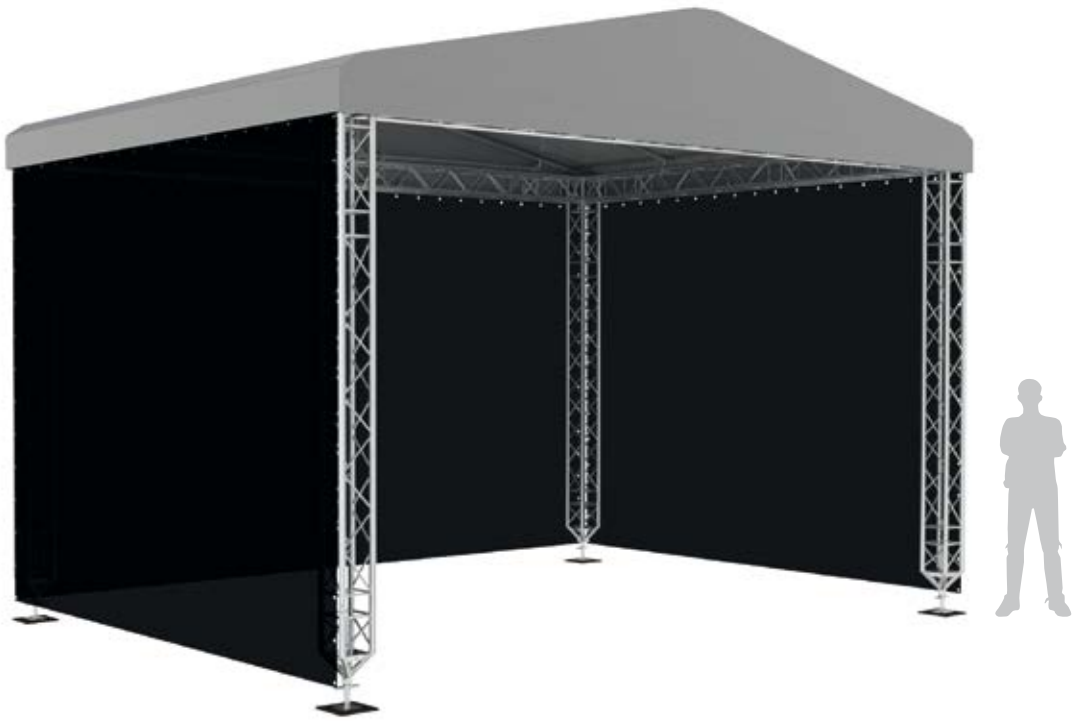
Technical specifications

MR0 - 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**	(16.40 ft)
	D	Overall external depth	**5.00 m**	(16.40 ft)
	E	Clearance	**3.95 m**	(12.95 ft)
	F	Overall height	**4.95 m**	(16.24 ft)

Loading capacity

	Size ›		6×5 m	(19.68×16.40 ft)
Loading capacity	Main grid (UDL)	QTB, QTV	**30 kg/m**	(20.15 lbs/ft)
		QTU, QTVU	**50 kg/m**	(33.50 lbs/ft)



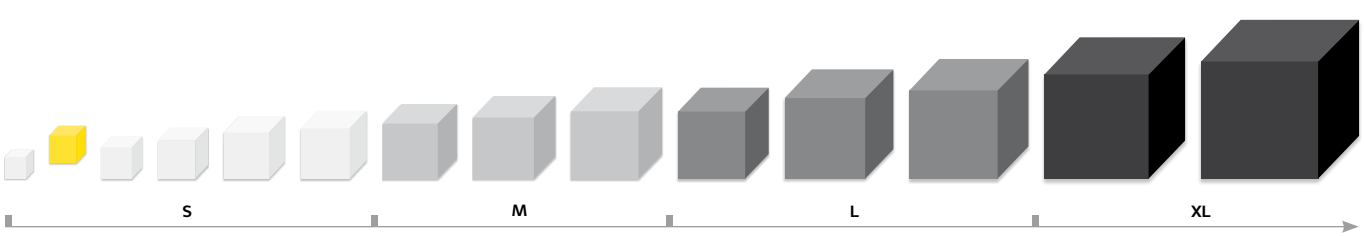
Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	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	
	Out of service	Up to 30.0 m/s – 108 km/h – 67 mph (depending on terrain categories)
	* Side claddings and equipment with large areas exposed to wind need to be removed	
Ballast	From 900 kg/2000 lbs to 1400 kg/3100 lbs depending on configuration, side wing, compression beam, guy wires, corner brace and other conditions.	
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	

Transportation data

	Size ›	**6×5 m**	(19.68×16.40 ft)
Self-weight	* Exact self-weight depends on configuration	**650 kg**	(1433 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**7 m³**	(247.2 ft³)

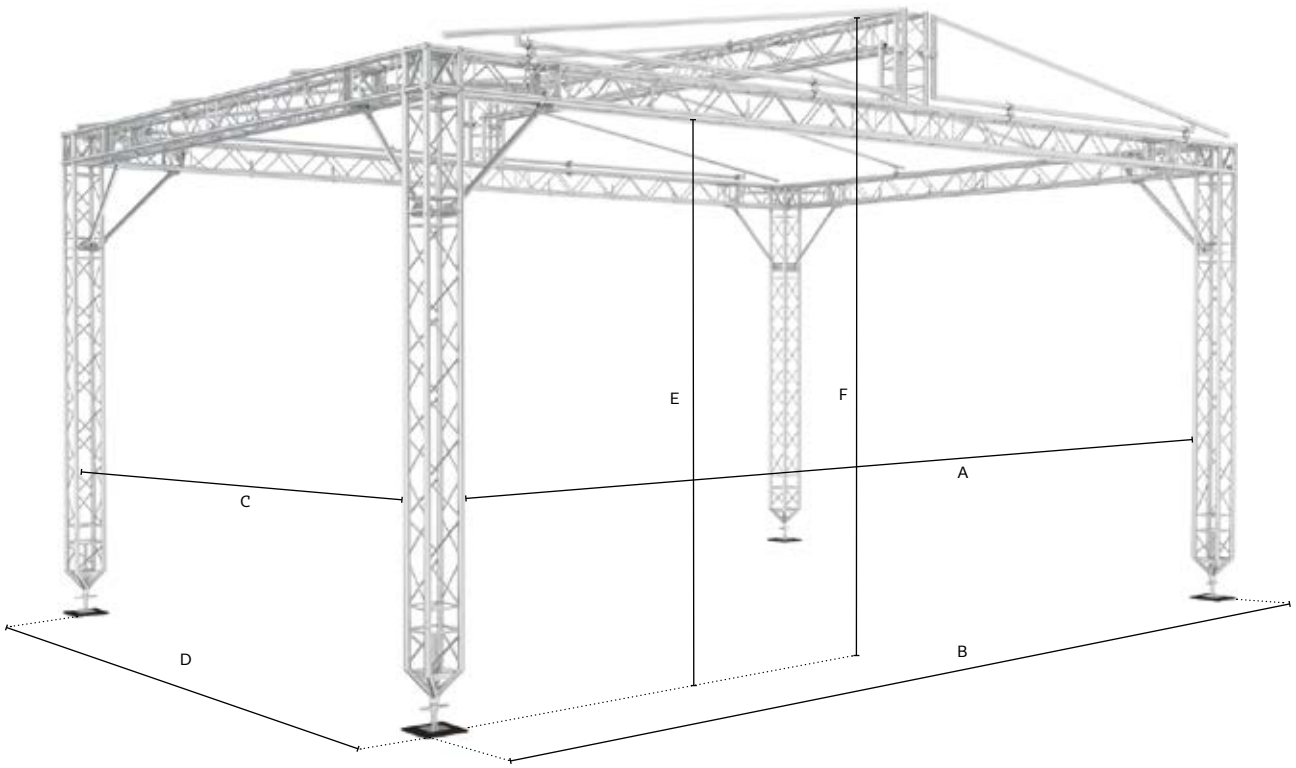
MILOS roof size/UDL overview



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

MR0 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 kg/m loading on horizontal truss sections
- Loads of up to 200 kg (440.92 lbs) per cantilever
- Up to 30 m/s wind loading in accordance with DIN EN 13814
- Loading capacity up to 810 kg (1785 lbs)
- Using M290 QTVU enables a loading capacity of up to 60 kg/m plus 300 kg per PA.
- Clear area from all sides
- Adjustment to terrain by 572-950 mm using screw jack legs



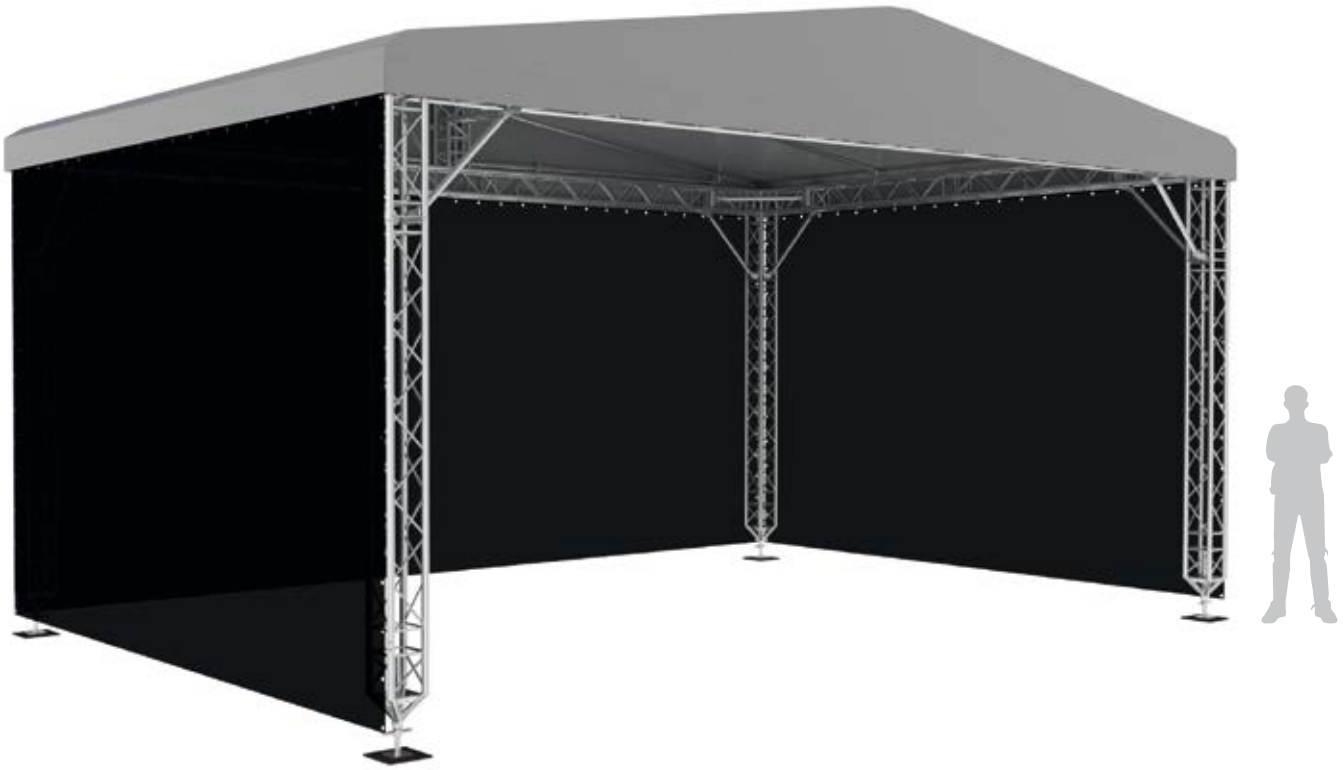
Technical specifications

MR0 - NGW 8×6

		Size ›	8×6 m	(26.24×19.68)
Dimensions	A	Internal width	**8.73 m**	(26.73 ft)
	B	Overall external width	**8.73 m**	(28.64 ft)
	C	Internal depth	**5.44 m**	(17.85 ft)
	D	Overall external depth	**6.26 m**	(20.53 ft)
	E	Clearance	**3.92 m**	(12.86 ft)
	F	Overall height	**4.92 m**	(16.14 ft)

Loading capacity

	Size ›		8×6 m	(26.24×19.68)
Loading capacity	Main grid (UDL)	QTB, QTV	Front + rear **30 kg/m** side **25 kg/m**	(20.15 lbs/ft) (16.80 lbs/ft)
		QTVU	**60 kg/m** **+ 300 kg**	(40.30 lbs/ft) (661 lbs) PA



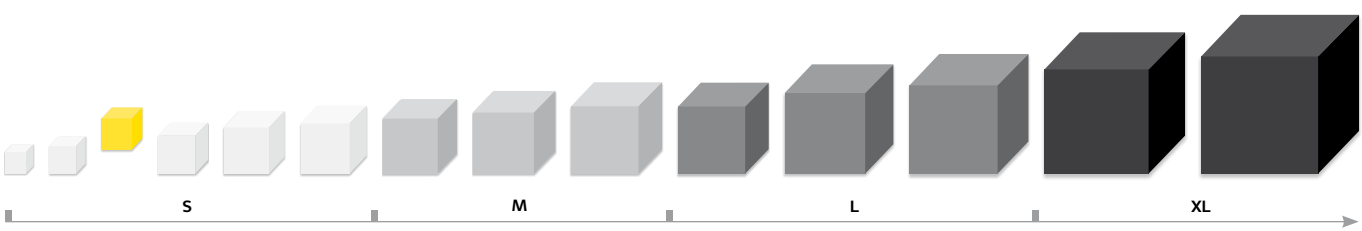
Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	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	
	Out of service	Up to 30.0 m/s – 108 km/h – 67 mph (depending on terrain categories)
	* Side claddings and equipment with large areas exposed to wind need to be removed	
Ballast	From 1050 kg/2314 lbs to 1875 kg/4133 lbs depending on configuration, side wing, covering, compression beam, guy wires, corner brace and other conditions.	
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	

Transportation data

	Size ›	**8×6 m**	(26.24×19.68)
Self-weight	* Exact self-weight depends on configuration	**855 kg**	(1884 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**8.50 m³**	(300.10 ft³)

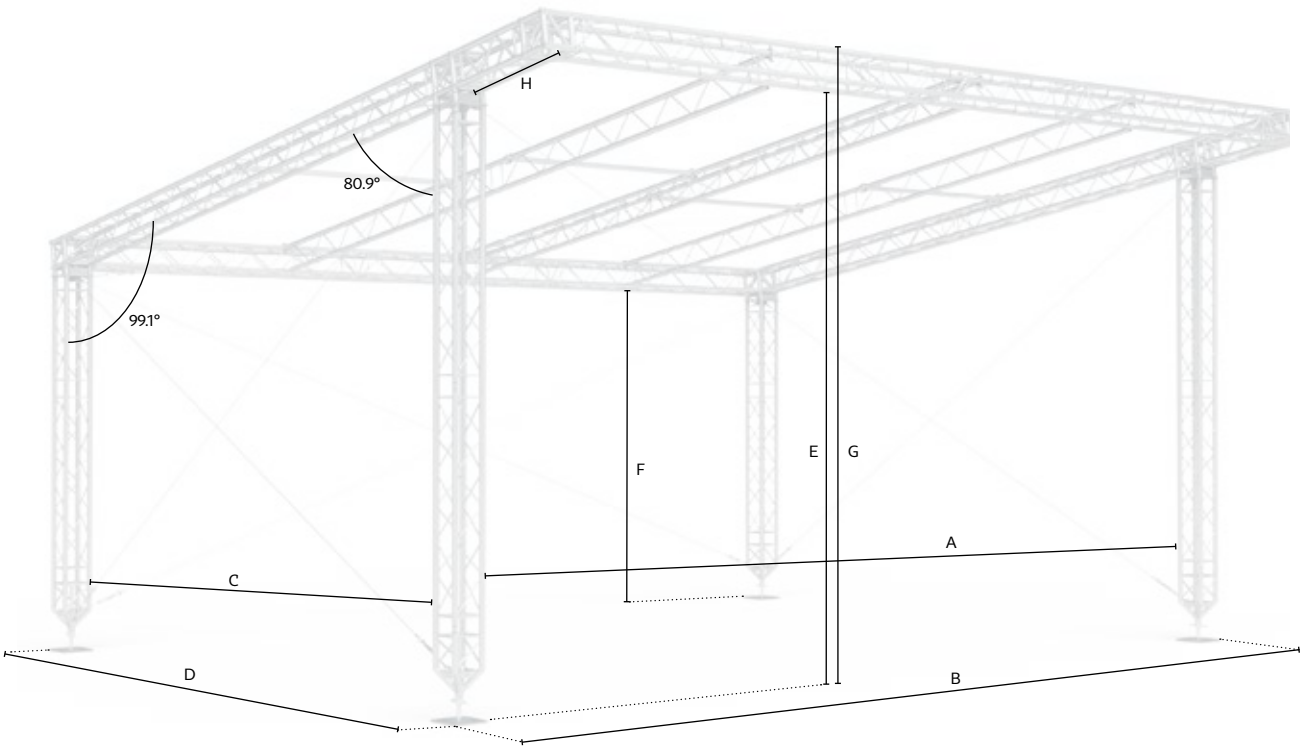
MILOS roof size/UDL overview



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

MR0 sloping roofs

- 8×6 m (26.25×19.89 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 1 t (2204 lbs) with 8×6 m (26.25×19.70 ft) stage configuration
- PVC roof colour options and side walls available



Technical specifications

		Size ›	8×6 m	(26.25×19.70 ft)	6×4m	(19.68×13.12 ft)
Dimensions	A	Internal width	**8.50 m**	(27.89 ft)	**6.50 m**	(21.33 ft)
	B	Overall external width	**9.10 m**	(29.86 ft)	**7.01 m**	(23.00 ft)
	C	Internal depth	**5.92 m**	(19.42 ft)	**3.95 m**	(12.96 ft)
	D	Overall external depth	**6.50 m**	(21.32 ft)	**4.53 m**	(14.86 ft)
	E	Front clearance	**4.76 m**	(15.62 ft)	**4.71 m**	(15.46 ft)
	F	Back clearance	**3.55 m**	(17.98 ft)	**3.87 m**	(12.70 ft)
	G	Overall height	**5.48 m**	(17.98 ft)	**4.97 m**	(16.30 ft)
	H	Cantilever depth	**1.10 m**	(3.60 ft)	**0.59 m**	(1.94 ft)

Loading capacity

		Size ›	8×6 m	(26.25×19.70 ft)	6×4 m	(19.68×13.12 ft)
Loading capacity	Back and side truss	Uniformly distributed (UDL)	**30 kg/m**	(20 lbs/ft)	**30 kg/m**	(20 lbs/ft)
	Middle truss	Uniformly distributed (UDL)	**10 kg/m**	(6 lbs/ft)	-	
	Cantilever truss	Uniformly distributed (UDL)	**20 kg/m**	(13 lbs/ft)	**30 kg**	(66.13 lbs)
	PA load	Point load each cantilever corner	**100 kg**	(220 lbs)	**100 kg**	(220 lbs)
	* See structural report for exact load positioning					

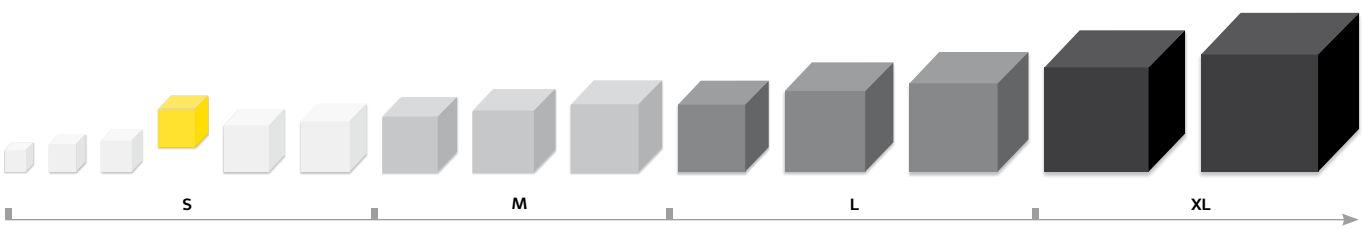
Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	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)
	* Calculations based on 100% closed side canopies	
	* Side canopies and loads to be removed above this wind speed if not considered	
	Out of service	28.0 m/s – 100 km/h – 62 mph (max. gust wind speed)
Ballast	From 450 kg/992 lbs to 2700 kg/5947 lbs per tower depending on configuration, side wing, covering, compression beam, guy wires, corner brace and other conditions.	
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	

Transportation data

	Size ›	**8×6 m**	(26.25×19.70 ft)	**6×4 m**	(19.68×13.12 ft)
Self-weight	* Exact self-weight depends on configuration	**600 kg**	(1322 lbs)	**600 kg**	(1322 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**5.00 m³**	(176 ft³)	**5.00 m³**	(176 ft³)

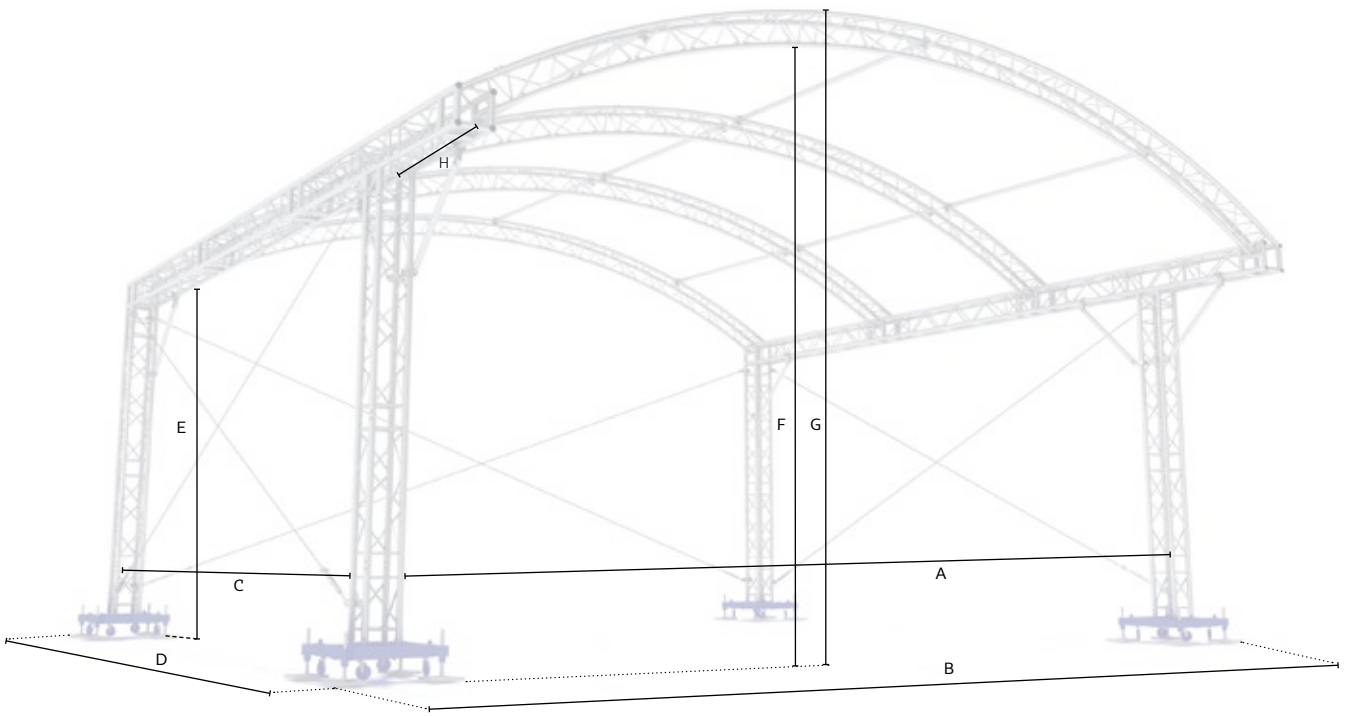
MILOS roof size/UDL overview



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

MR1 arched roofs

- 6×4 m (19.69×13.12 ft) and 8×6 m (26.25×19.69 ft) arched roof set-up for temporary events
- Heavy-duty M290 Quatro structure with Trio arches
- Fixed leg or self-climbing MT1 option 8×6 m only (26.25×19.69 ft)
- Loading capacity up to 930 kg (2050 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
- Conversion kits available to upgrade from 6×4 m to 8×6 m
- PVC roof colour and side wall options
- PA wing options available on request

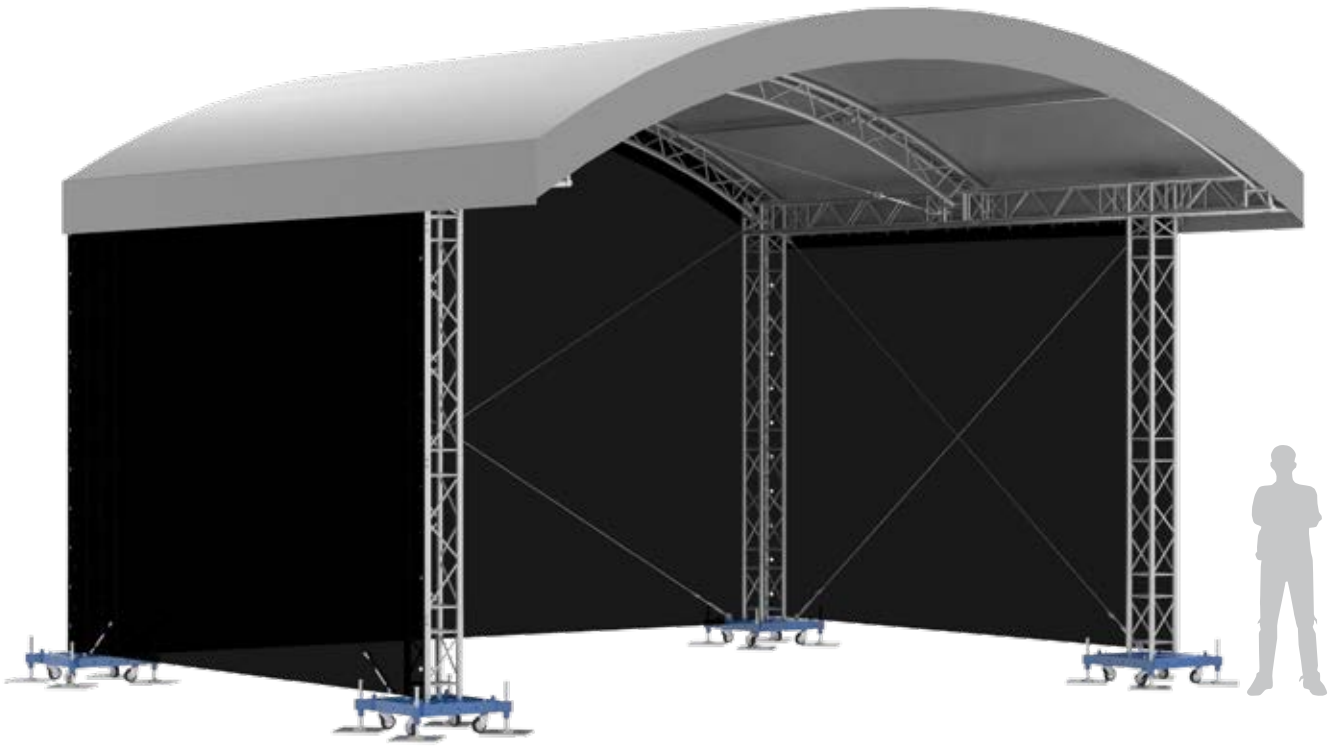


Technical specifications

		Size ›	8×6 m	(26.25×19.70 ft)	6×4 m	(19.70×13.10 ft)
Dimensions	A	Internal width	**8.00 m**	(26.25 ft)	**6.00 m**	(19.69 ft)
	B	Overall external width	**9.06 m**	(29.72 ft)	**6.06 m**	(19.88 ft)
	C	Internal depth	**6.40 m**	(20.99 ft)	**4.40 m**	(14.44 ft)
	D	Overall external depth	**7.48 m**	(24.54 ft)	**5.43 m**	(17.81 ft)
	E	Side clearance	**4.43 m**	(14.53 ft)	**4.43 m**	(14.53 ft)
	F	Middle clearance	**5.69 m**	(18.67 ft)	**5.42 m**	(17.78 ft)
	G	Overall height	**5.96 m**	(19.55 ft)	**5.69 m**	(18.67 ft)
	H	Cantilever depth	**1.21 m**	(3.97 ft)	**1.21 m**	(3.97 ft)

Loading capacity

		Size ›	8×6 m	(26.25×19.70 ft)	6×4 m	(19.70×13.10 ft)
Loading capacity	Inner arches	Uniformly distributed (UDL)	**15 kg/m**	(10 lbs/ft)	**15 kg/m**	(10 lbs/ft)
	Side truss	Uniformly distributed (UDL)	**20 kg/m**	(13 lbs/ft)	**20 kg/m**	(13 lbs/ft)
	Outer arches	Uniformly distributed (UDL)	**20 kg/m**	(13 lbs/ft)	**20 kg/m**	(13 lbs/ft)
	PA load	2× point load at cantilever	**250 kg**	(551 lbs)	**250 kg**	(551 lbs)
	* See structural report for exact load positioning					



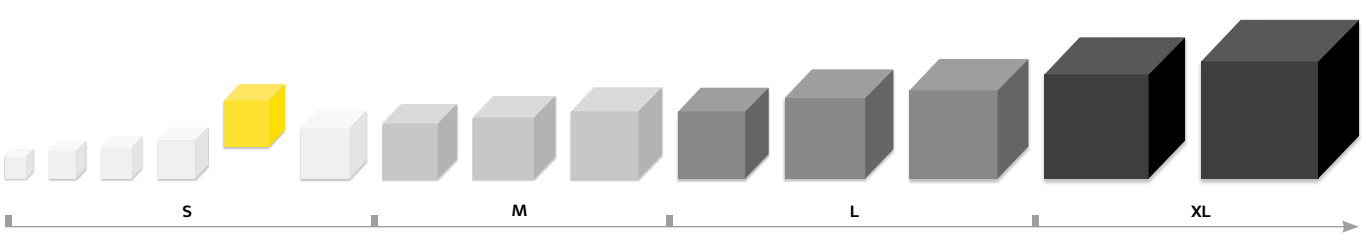
Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	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)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	28.0 m/s – 100 km/h – 62 mph (max. gust wind speed)
Ballast	From 450 kg/992 lbs to 3150 kg/6944 lbs per tower depending on configuration, side wing, covering, compression beam, guy wires, corner brace and other conditions.	
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	

Transportation data

	Size ›	**8×6 m**	(26.25×19.70 ft)	**6×4 m**	(19.70×13.10 ft)
Self-weight	* Exact self-weight depends on configuration	**1344 kg**	(2960 lbs)	**1034 kg**	(2278 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**20 m³**	(706 ft³)	**15 m³**	(530 ft³)

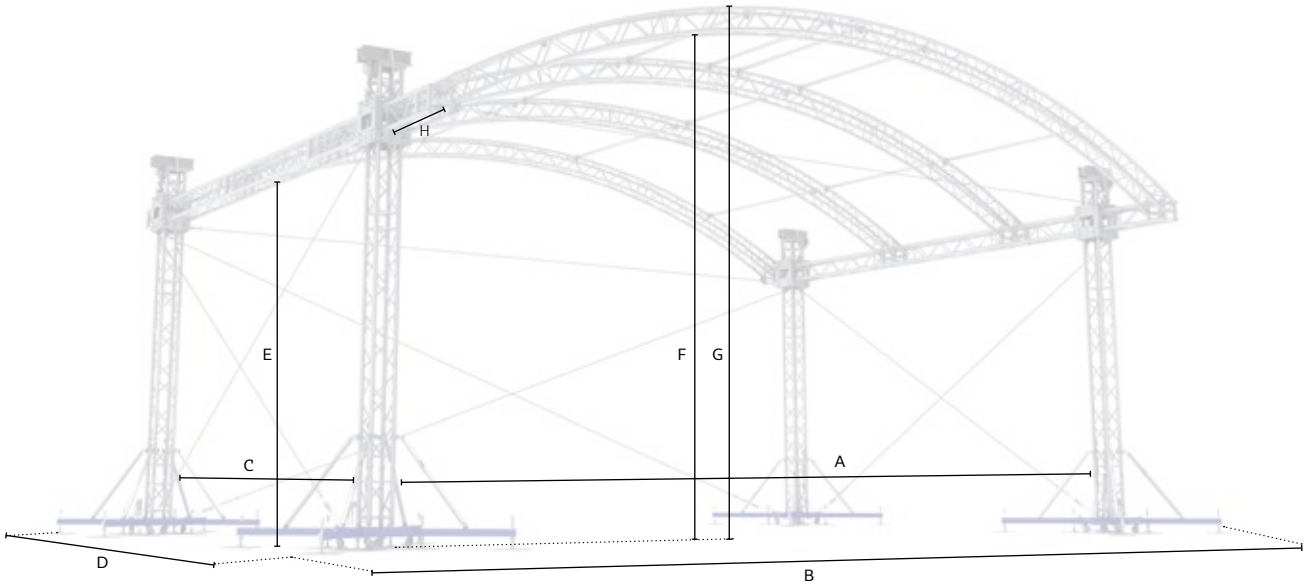
MILOS roof size/UDL overview



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

MR1T arched roofs

- 10×6 m (32.81×19.69 ft) arched roof set-up for temporary events
- Heavy-duty M290 Quatro structure with Quatro arches
- Loading capacity up to 1.68 t (3703 lbs)
- Fast connection for quick, simple and secure assembly
- 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 walls options
- PA wing options available on request
- Integrated tower base / stage components available

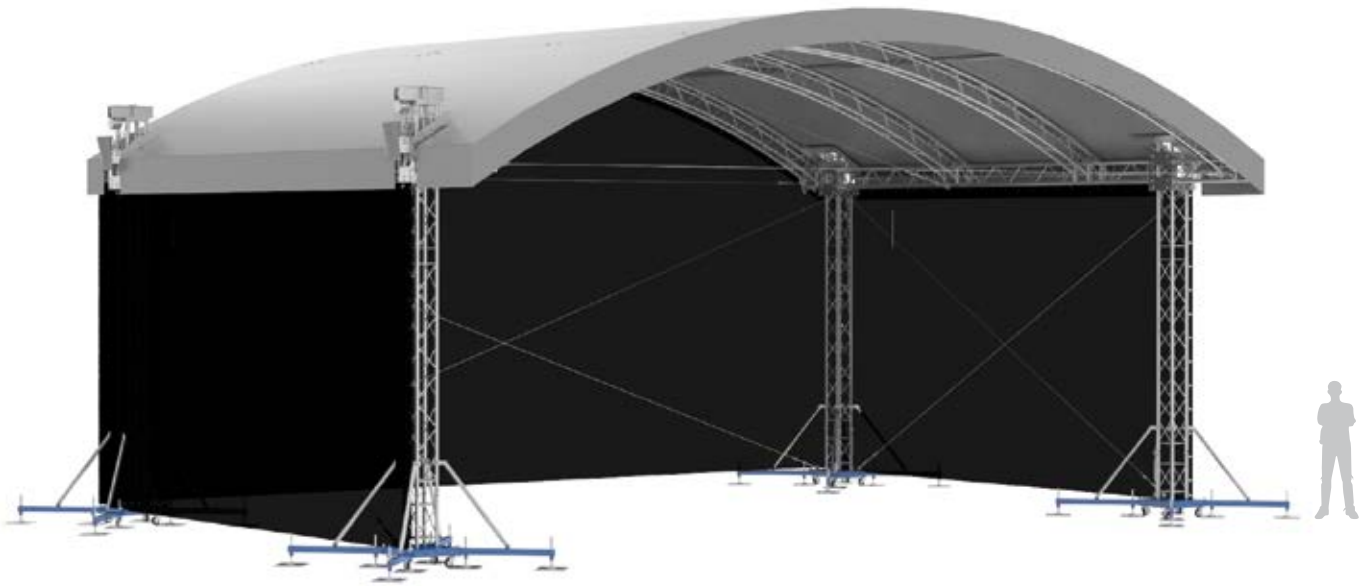


Technical specifications

		Size ›	10×6 m	(32.80×19.70 ft)	8×6 m	(26.25×19.70 ft)
Dimensions	A	Internal width	**10.50 m**	(34.45 ft)	**8.50 m**	(27.89 ft)
	B	Overall external width	**12.83 m**	(42.09 ft)	**10.83 m**	(35.53 ft)
	C	Internal depth	**6.15 m**	(20.18 ft)	**6.15 m**	(20.18 ft)
	D	Overall external depth	**8.48 m**	(27.82 ft)	**8.48 m**	(27.82 ft)
	E	Side clearance	**4.05 m**	(13.29 ft)	**4.05 m**	(13.29 ft
	F	Middle clearance	**5.60 m**	(18.37 ft)	**5.34 m**	(17.52 ft)
	G	Overall height	**5.91 m**	(19.39 ft)	**5.63 m**	(18.47 ft)
	H	Cantilever depth	**1.00 m**	(3.28 ft)	**1.00 m**	(3.28 ft)

Loading capacity

		Size ›	10×6 m	(32.80×19.70 ft)	8×6 m	(26.25×19.70 ft)	
Loading capacity	Front and rear arches	Uniformly distributed (UDL)	**30 kg/m**	(20 lbs/ft)	**30 kg/m**	(20 lbs/ft)	
	Middle arches	Uniformly distributed (UDL)	**20 kg/m**	(13 lbs/ft)	**20 kg/m**	(13 lbs/ft)	
	Side truss	Uniformly distributed (UDL)	**30 kg/m**	(20 lbs/ft)	**30 kg/m**	(20 lbs/ft)	
	PA load	2× point load at cantilever	**150 kg**	(330 lbs)	**150 kg**	(330 lbs)	* If no load on front arch
	* See structural report for exact load positioning						



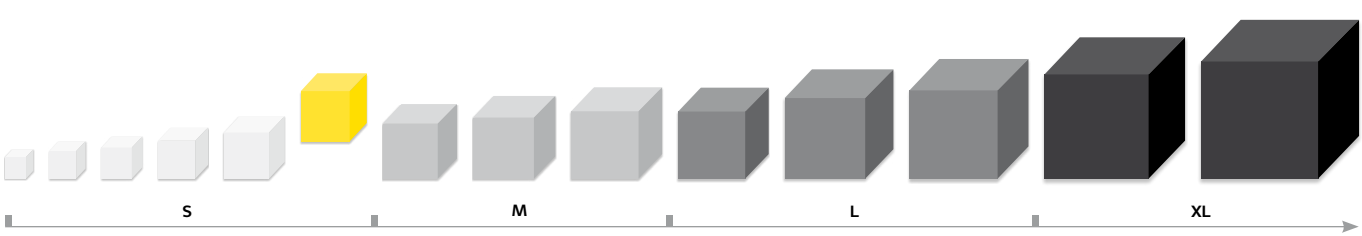
Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	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)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	28.0 m/s – 100 km/h – 62 mph (max. gust wind speed)
Ballast	From 1300 kg/2866 lbs to 3082 kg/6789 lbs per tower 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 in 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	

Transportation data

	Size ›	**10×6 m**	(32.80×19.70 ft)	**8×6 m**	(26.25×19.70 ft)
Self-weight	* Exact self-weight depends on configuration	**1834 kg**	(4040 lbs)	**1034 kg**	(2278 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**20 m³**	(706 ft³)	**15 m³**	(530 ft³)

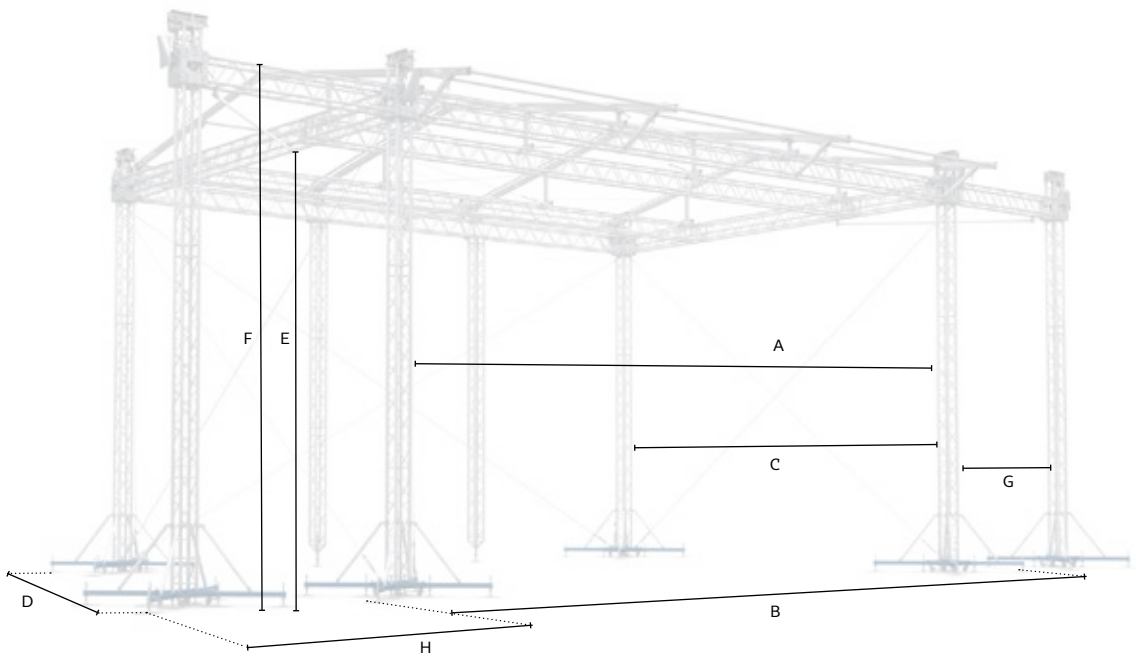
MILOS roof size/UDL overview



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

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 10.8 t (238090 lbs) with 15×12 m (49.21x39.37 ft) stage configuration
- Low-profile keder roof construction for ease of installation
- Additional rear towers for LED support using back stage beams
- MT1 Towers with M390 roof and lightweight canopy support structure
- 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



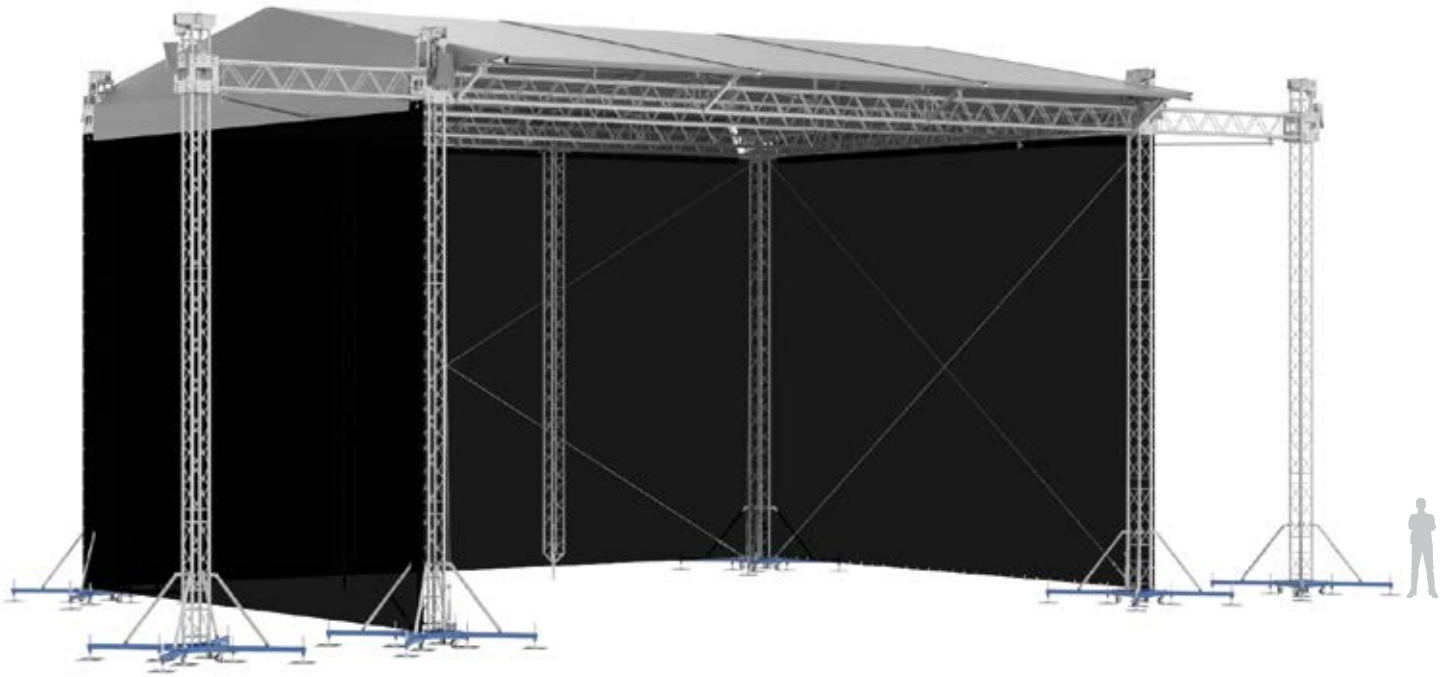
Technical specifications

		Size ›	15×12 m	(49.21×39.37 ft)	12×10 m	(39.37×32.81 ft)	10×8 m	(32.81×26.25 ft)
Dimensions	A	Internal width	**15.31 m**	(50.23 ft)	**12.26 m**	(40.22 ft)	**10.26 m**	(33.66 ft)
	B	Overall external width	**17.95 m**	(58.89 ft)	**14.60 m**	(47.90 ft)	**12.60 m**	(41.34 ft)
	C	Internal depth	**11.73 m**	(38.48 ft)	**9.23 m**	(30.28 ft)	**7.23 m**	(23.72 ft)
	D	Overall external depth	**14.41 m**	(47.28 ft)	**11.57 m**	(37.96 ft)	**9.57 m**	(31.40 ft)
	E	Clearance	**10.51 m**	(34.48 ft)	**7.10 m**	(23.29 ft)	**7.10 m**	(23.29 ft)
	F	Overall height	**12.19 m**	(39.99 ft)	**8.70 m**	(28.54 ft)	**8.53 m**	(27.99 ft)
	G	PA wing – internal width	**3.15 m**	(10.33 ft)	**3.15 m**	(10.33 ft)	**3.15 m**	(10.33 ft)
	H	PA wing – overall external width	**4.26 m**	(13.98 ft)	**3.44 m**	(11.29 ft)	**3.44 m**	(11.29 ft)

Note: MT2 Towers with M520 Truss grid: this configuration must be constructed on a Layher base with keder side / rear walls.

Loading capacity

		Size ›	15×12 m	(49.21×39.37 ft)	12×10 m	(39.37×32.81 ft)	10×8 m	(32.81×26.25 ft)
Loading capacity	Main grid	Uniformly distributed (UDL)	**10800 kg**	(23809 lbs)	**4800 kg**	(10582 lbs)	**3900 kg**	(8598 lbs)
		Point loads	**8700 kg**	(19180 lbs)	**7700 kg**	(16960 lbs)	**7700 kg**	(16960 lbs)
	Cantilever	2× point loads on outer beams	**2× 500 kg**	(2× 1101 lbs)	**2× 500 kg**	(2× 1101 lbs)	**2× 500 kg**	(2× 1101 lbs)
	PA wing	Centre Point Load (CPL)	**1500 kg**	(3304 lbs)	**1500 kg**	(3304 lbs)	**1500 kg**	(3304 lbs)
	* See structural report for exact load positioning							



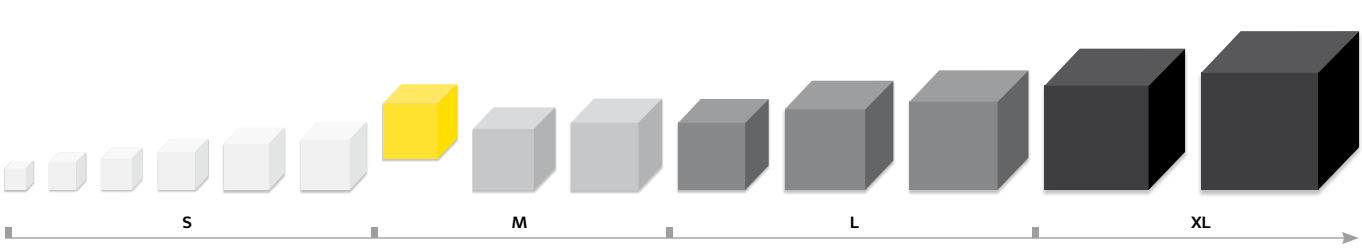
Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	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)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	28.8 m/s – 103 km/h – 64 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	

Transportation data

	Size ›	**15×12 m**	(49.21×39.37 ft)	**12×10 m**	(39.37×32.81 ft)	**10×8 m**	(32.81×26.25 ft)
Self-weight	* Exact self-weight depends on configuration	**5000 kg**	(11023 lbs)	**3010 kg**	(6630 lbs)	**2785 kg**	(6134 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**50 m³**	(1765 ft³)	**30 m³**	(1060 ft³)	**25 m³**	(882 ft³)

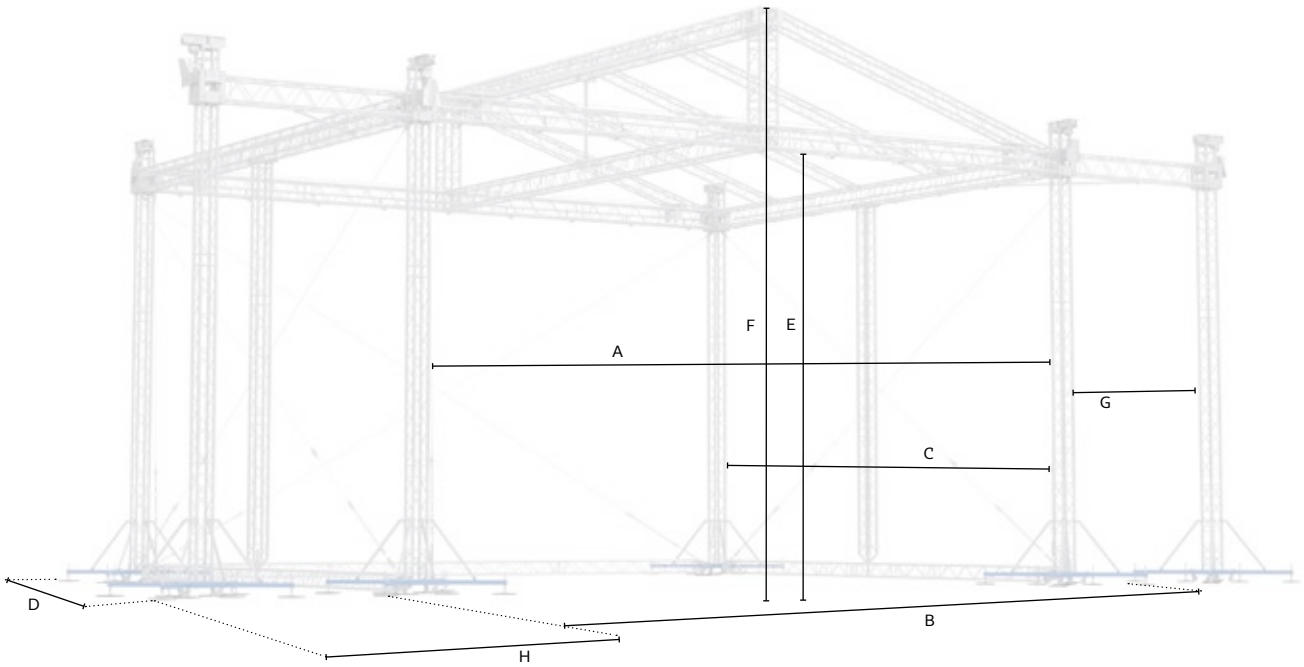
MILOS roof size/UDL overview



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

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 7.5 t (16534 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 wing options available on request



Technical specifications

		Size ›	12×10 m	(39.37×32.80 ft)	10×8 m	(32.80×26.25 ft)
Dimensions	A	Internal width	**12.30 m**	(40.35 ft)	**10.42 m**	(34.19 ft)
	B	Overall external width	**14.64 m**	(48.03 ft)	**12.74 m**	(41.80 ft)
	C	Internal depth	**10.60 m**	(34.78 ft)	**8.65 m**	(28.38 ft)
	D	Overall external depth	**12.99 m**	(42.62 ft)	**10.97 m**	(35.99 ft)
	E	Clearance	**7.12 m**	(23.36 ft)	**7.12 m**	(23.36 ft)
	F	Overall height	**9.43 m**	(30.94 ft)	**9.14 m**	(29.99 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

		Size ›	12×10 m	(39.37×32.80 ft)	10×8 m	(32.80×26.25 ft)
Loading capacity	Main grid	Uniformly distributed (UDL)	**7500 kg**	(16534 lbs)	**2400 kg**	(6613 lbs)
	Point loads	Point loads	**7900 kg**	(17416 lbs)	**3000 kg**	(6613 lbs)
	PA wing	Centre Point Load (CPL)	**1500 kg**	(3304 lbs)	**750 kg**	(1653 lbs)
	Cantilever	Point load (CPL)	**300 kg**	(661 lbs)	**300 kg**	(661 lbs)
	* See structural report for exact load positioning					

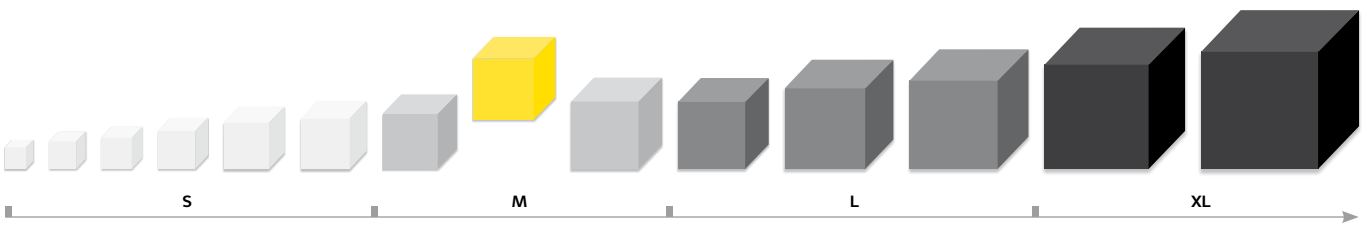
Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	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)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	29.6 m/s – 106 km/h – 66 mph (max. gust wind speed)
	Training recommended	
Ballast	From 200 kg/440 lbs to 5300 kg/11674 lbs per tower 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	

Transportation data

	Size ›	**12×10 m**	(39.37×32.80 ft)	**10×8 m**	(32.80×26.25 ft)
Self-weight	* Exact self-weight depends on configuration	**2100 kg**	(4626 lbs)	**1950 kg**	(4295 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**30 m³**	(1060 ft³)	**25 m³**	(882 ft³)

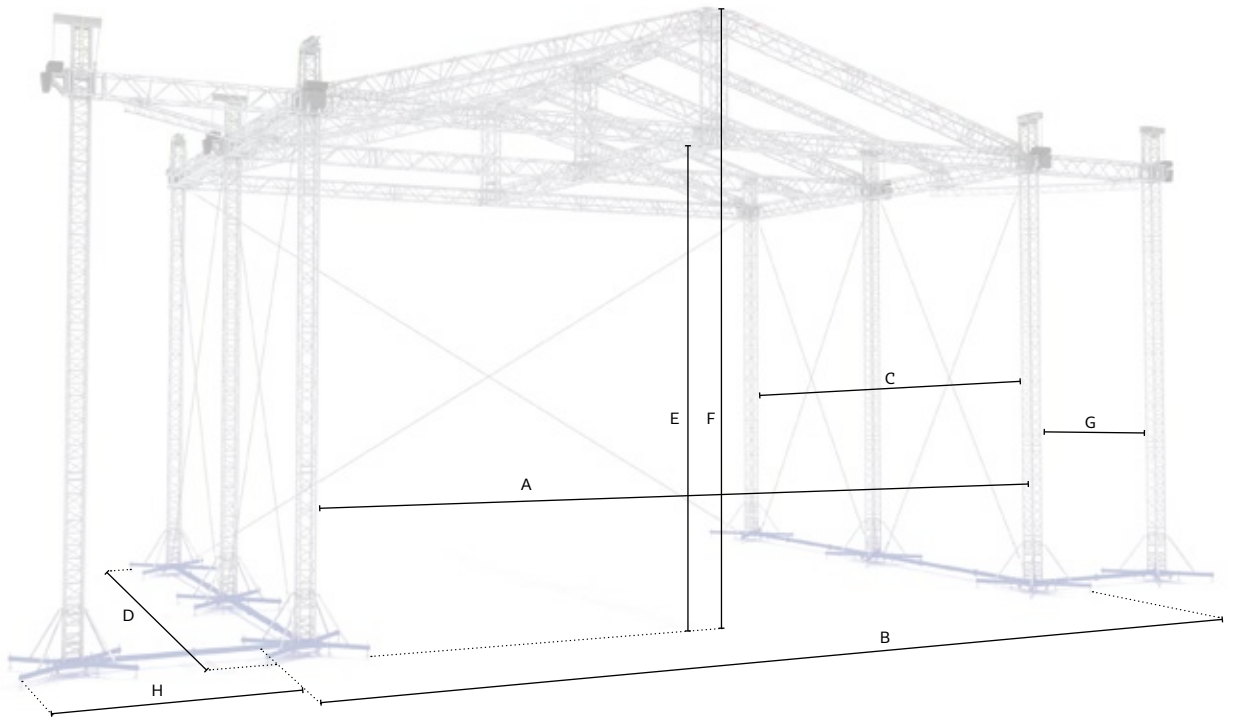
MILOS roof size/UDL overview



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

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 11.5 t (23553 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 wing options available on request

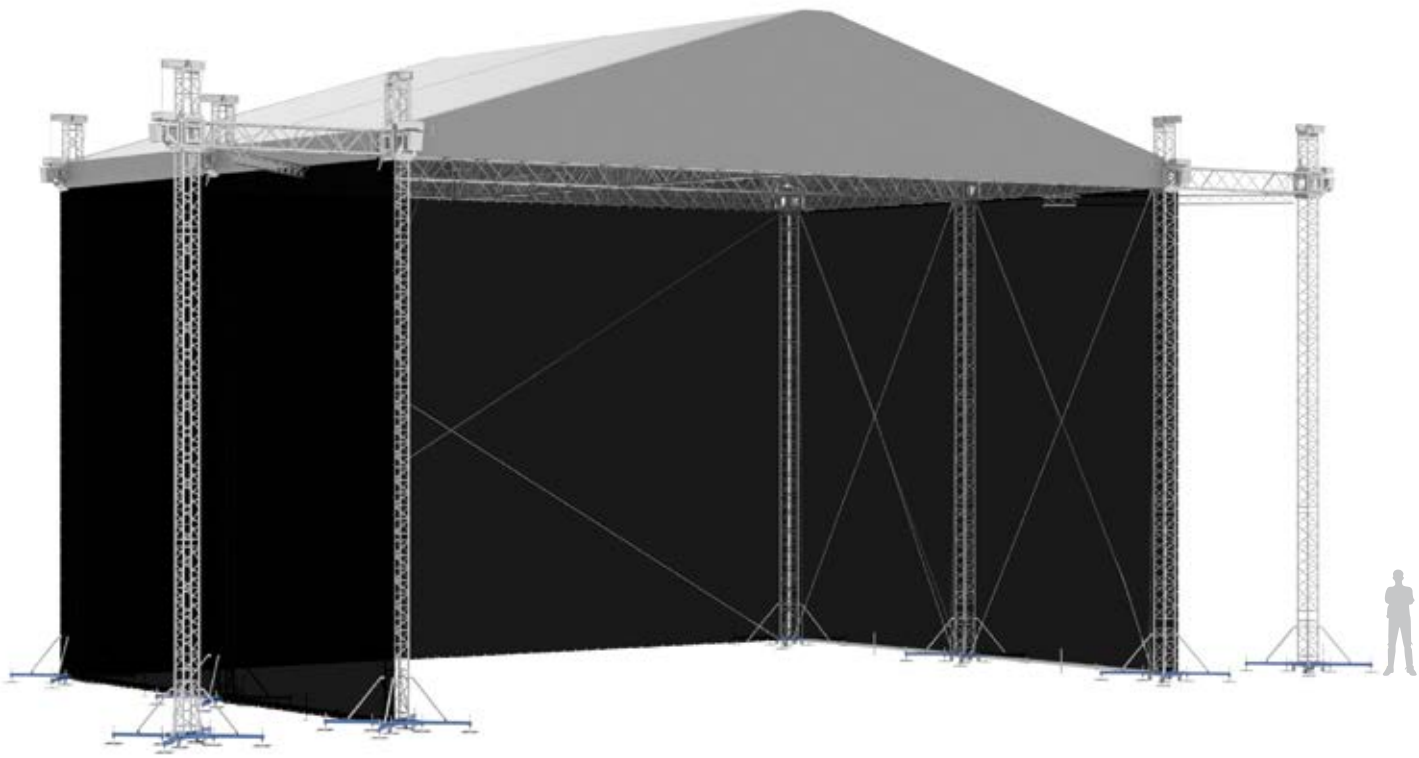


Technical specifications

		Size ›	20×14 m	(65.62×45.93 ft)	16×14 m	(52.49×45.93 ft)
Dimensions	A	Internal width	**20.53 m**	(67.34 ft)	**18.53 m**	(60.79 ft)
	B	Overall external width	**23.15 m**	(75.95 ft)	**21.15 m**	(69.39 ft)
	C	Internal depth	**14.80 m**	(48.56 ft)	**14.80 m**	(48.56 ft)
	D	Overall external depth	**16.65 m**	(54.63 ft)	**16.65 m**	(54.63 ft)
	E	Clearance	**11.50 m**	(37.73 ft)	**11.50 m**	(37.73 ft)
	F	Overall height	**15.02 m**	(49.28 ft)	**15.02 m**	(49.28 ft)
	G	PA wing – internal width	**4.31 m**	(14.14 ft)	**4.31 m**	(14.14 ft)
	H	PA wing – overall external width	**4.71 m**	(15.45 ft)	**4.71 m**	(15.45 ft)

Loading capacity

		Size ›	20×14 m	(65.62×45.93 ft)	16×14 m	(52.49×45.93 ft)
Loading capacity	Main grid	Uniformly distributed (UDL)	**7500 kg**	(16534 lbs)	**11500 kg**	(25353 lbs)
		Point loads	**7420 kg**	(16358 lbs)	**7420 kg**	(16358 lbs)
	PA wing	Centre Point Load (CPL)	**1200 kg**	(2645 lbs)	**1200 kg**	(2645 lbs)
	* See structural report for exact load positioning					



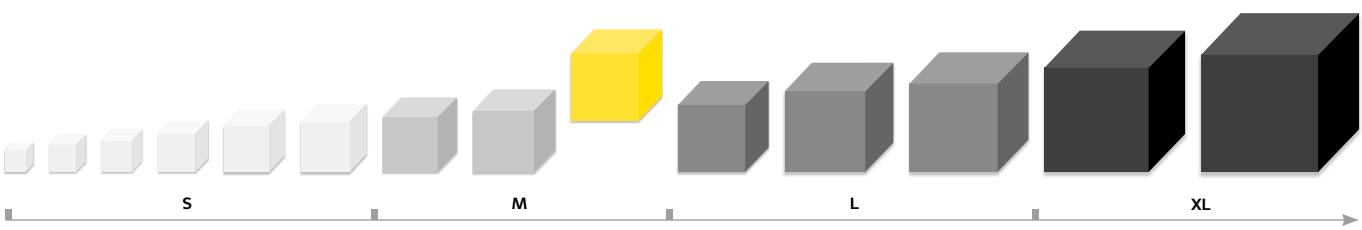
Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	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)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	27.5 m/s – 100 km/h – 62 mph (max. gust wind speed)
	Training recommended	
Ballast	From 3900 kg/8590 lbs to 10400 kg/22907 lbs per tower 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	

Transportation data

	Size ›	**20×14 m**	(65.62×45.93 ft)	**16×14 m**	(52.49×45.93 ft)
Self-weight	* Exact self-weight depends on configuration	**7300 kg**	(16079 lbs)	**6980 kg**	(15374 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**80 m³**	(2825 ft³)	**70 m³**	(2472 ft³)

MILOS roof size/UDL overview

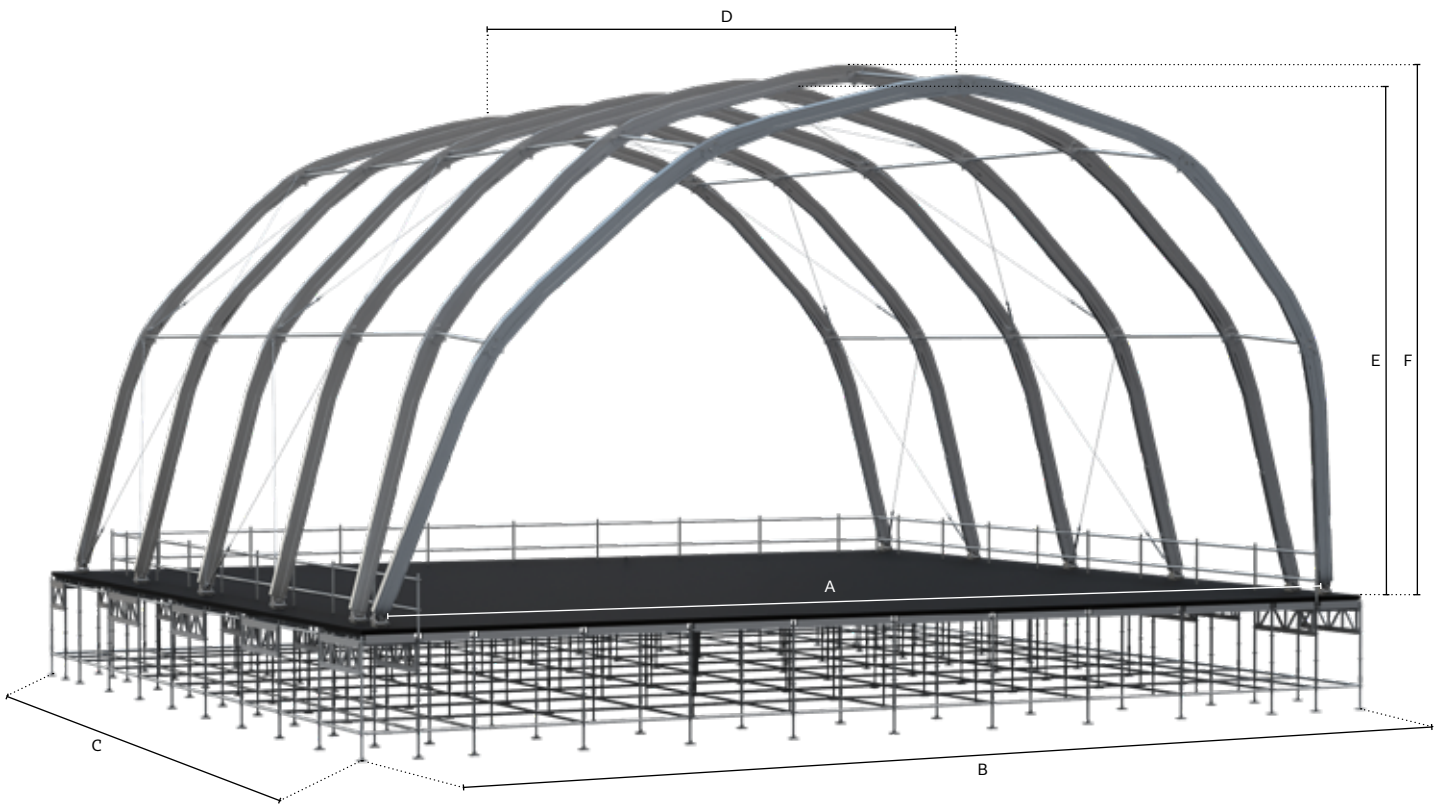


To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

We've got you covered

I-MR4 Invisible roof

- 19×18 m (62×59') aluminium keder arched roof
- Endless distance options by adding more keder arches
- 19 m (62') span and clearance height of 9.5 m (31')
- Loading capacity of up to 5 t (11023 lbs) per arch
- 6 arch configuration can support up to 30 t (66138 lbs)
- Quick and simple assembly with universal parts
- Transparent or solid canopy options available



Technical specifications

		Size ›	19×18 m	(62.33×59.05 ft)
Dimensions	A	Internal width	**19.00 m**	(62.33 ft)
	B	Overall external width	**20.20 m**	(65.68 ft)
	C	Depth	**18.00 m**	(59.05 ft)
	D	Overall external depth	**20.65 m**	(67.75 ft)
	E	Clearance	**9.50 m**	(31.16 ft)
	F	Overall height	**9.80 m**	(32.15 ft)

Loading capacity

	Size ›	19×18 m	(62.33×59.05 ft)
Loading capacity	Each arch	**5×1000 kg**	(5×2204.63 lbs)
	Total capacity	**30000 kg**	(66138.68 lbs)
	* See structural report for exact load positioning		

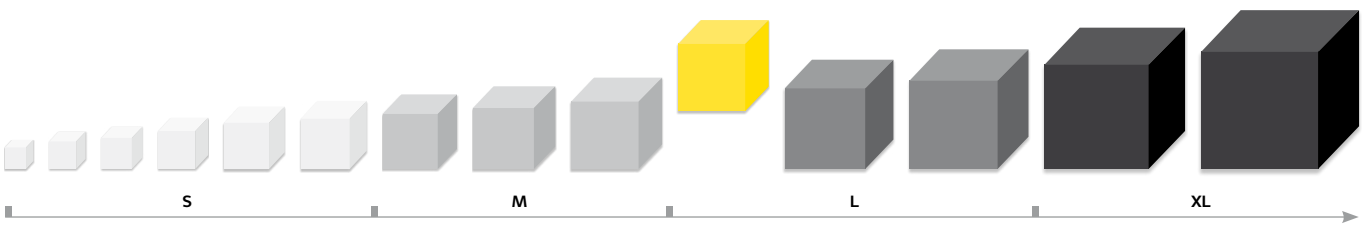
Use QR code for video

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

Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	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	

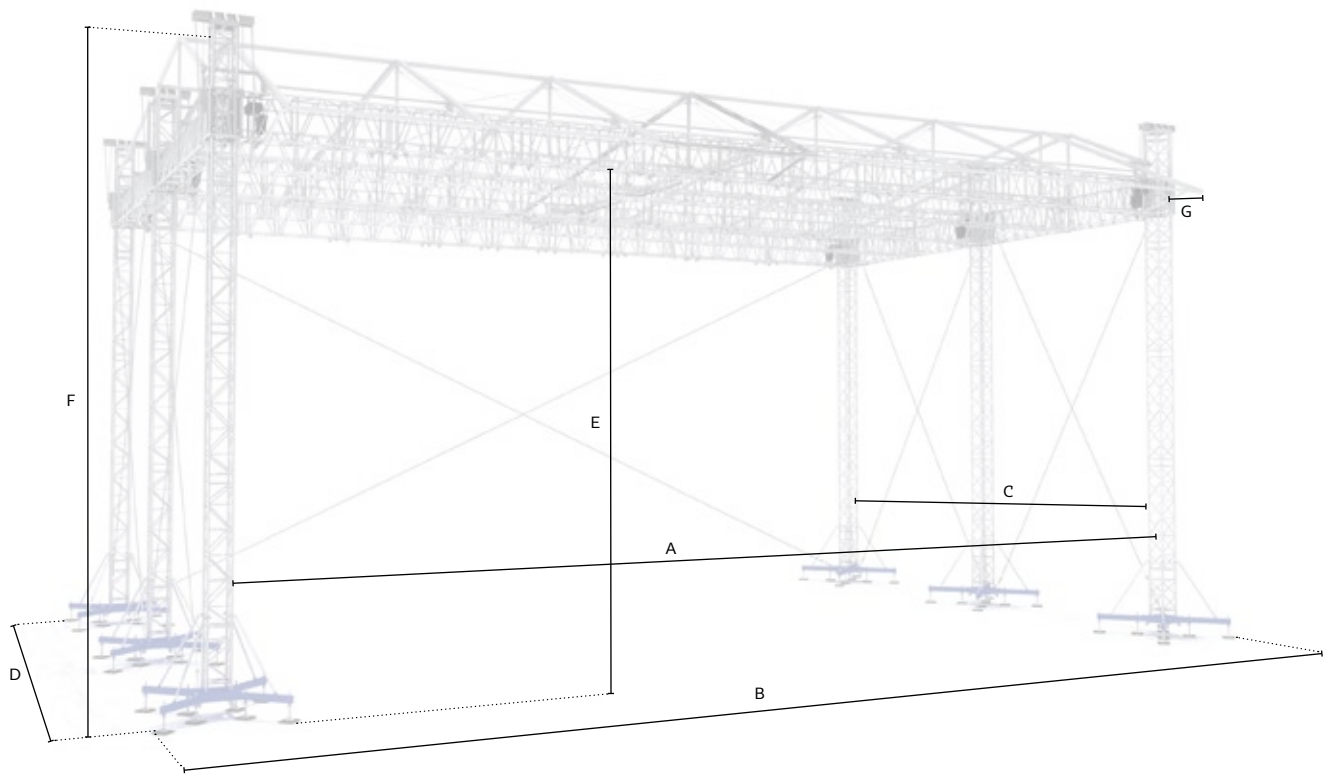
MILOS roof size/UDL overview



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

MR5 pitched roofs

- MR5 mega pitched roof for temporary events
- MT2 / MT3 self-climbing towers up to 12.5 m high (41.01 ft) with M950 main grid
- Convenient backstage area integration with main structure
- Loading capacity up to 22.8 t (50265 lbs) with 24×14 m (78.74×45.93 ft) stage configuration
- Full structural calculation report and build manual on request
- Wall claddings made with vertical keder profiles, with inclined orientation for creating an additional backstage area on request
- Wind bracing wires and connection accessories included
- Range of coloured PVC roof options available
- Integrated tower base / stage components available
- PA / video wing options available on request

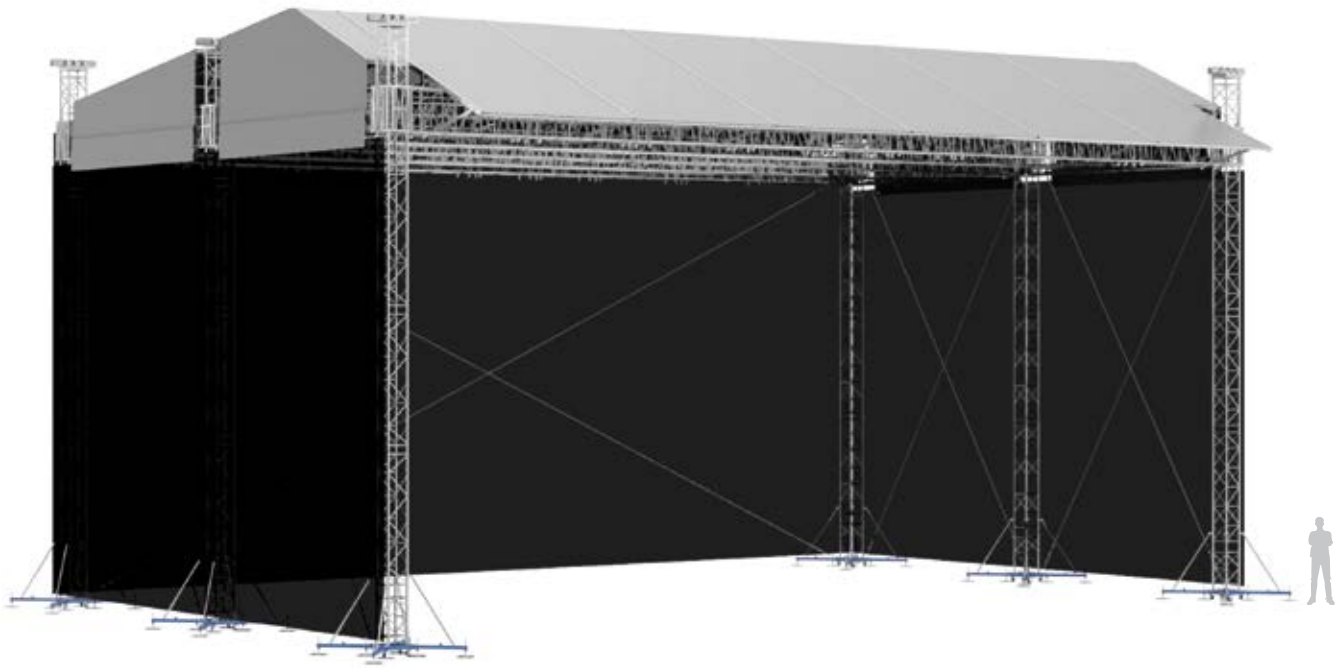


Technical specifications

		Size ›	24×14 m	(78.74×45.93 ft)	20×14 m	(65.62×45.93 ft)
Dimensions	A	Internal width	**24.76 m**	(81.23 ft)	**20.76 m**	(68.11 ft)
	B	Overall external width	**27.84 m**	(91.34 ft)	**23.84 m**	(78.22 ft)
	C	Internal depth	**14.74 m**	(48.36 ft)	**14.74 m**	(48.36 ft)
	D	Overall external depth	**17.80 m**	(58.40 ft)	**17.80 m**	(58.40 ft)
	E	Clearance	**11.48 m**	(37.66 ft)	**11.48 m**	(37.66 ft)
	F	Overall height	**14.43 m**	(47.34 ft)	**14.43 m**	(47.34 ft)
	G	Cantilever depth	**2.02 m**	(6.63 ft)	**2.02 m**	(6.63 ft)

Loading capacity

		Size ›	24×14 m	(78.74×45.93 ft)	20×14 m	(65.62×45.93 ft)
Loading capacity	Main grid	Uniformly distributed (UDL)	**22800 kg**	(50265 lbs)	**19300 kg**	(42549 lbs)
	Side wing	Centre Point Load (CPL)	**4000 kg**	(8818 lbs)	**4000 kg**	(8818 lbs)
	* See structural report for exact load positioning					



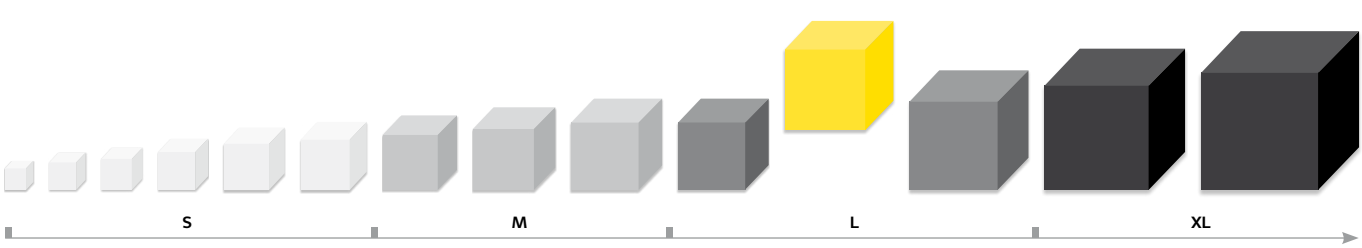
Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	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)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	28.3 m/s – 100 km/h – 62 mph (max. gust wind speed)
	Training recommended	
Ballast	From 2375 kg/5231 lbs to 12700 kg/27973 lbs per tower 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	

Transportation data

	Size ›	**24×14 m**	(78.74×45.93 ft)	**20×14 m**	(65.62×45.93 ft)
Self-weight	* Exact self-weight depends on configuration	**7200 kg**	(15859 lbs)	**6435 kg**	(14174 lbs)
Transport volume	* Packed in cardboard boxes and bubble foil	**120 m³**	(4237 ft³)	**100 m³**	(3531 ft³)

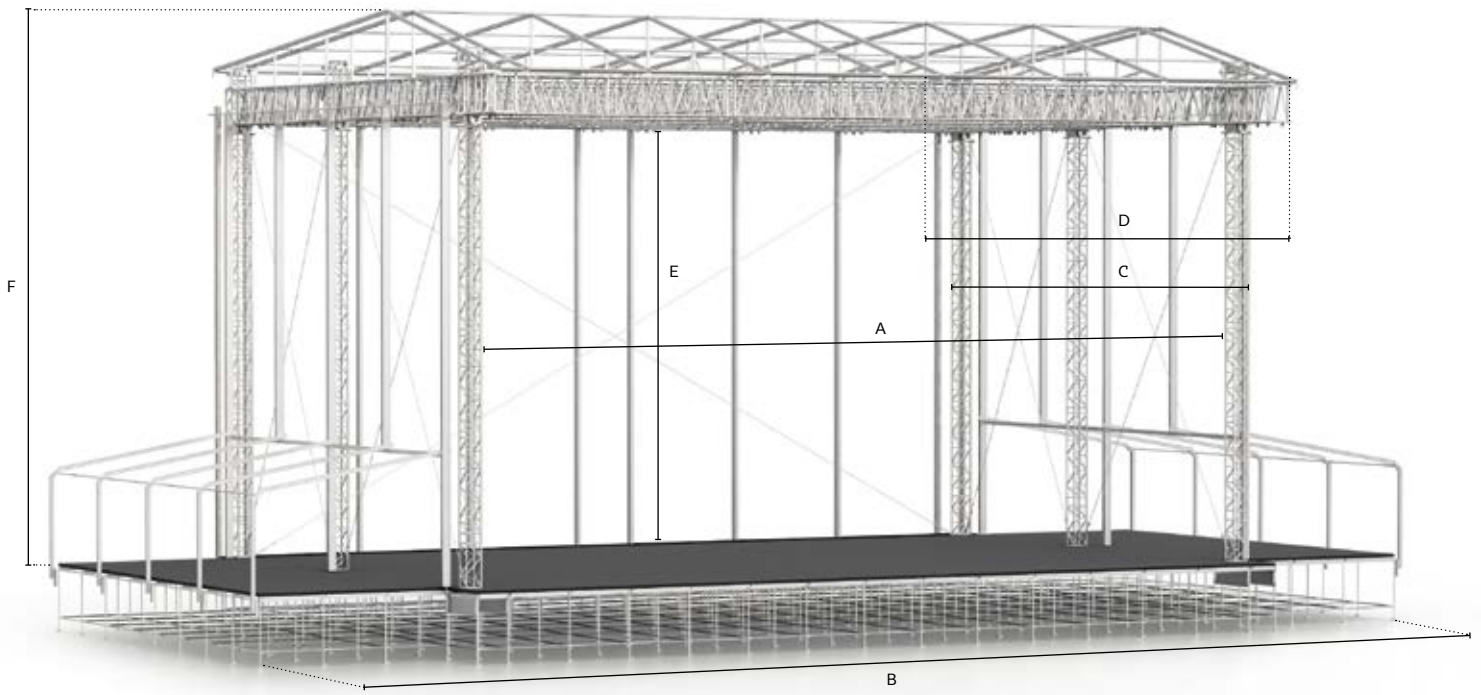
MILOS roof size/UDL overview



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

MR6 pitched roof

- MR6 large-scale pitched roof structure
- Dimensions 26×16 m (85×52 ft)
- 33.8 t (74516 lbs) capacity plus PA/video
- Clearance height almost 14 m (45.93 ft)
- Main grid constructed of 5 spans of M1200 RTR truss
- PA/video wings can be added to main structure
- Rear wall featuring 300×122 mm keder profile
- Side walls(s) featuring 250×122 mm keder profile
- Range of PVC colours and options available

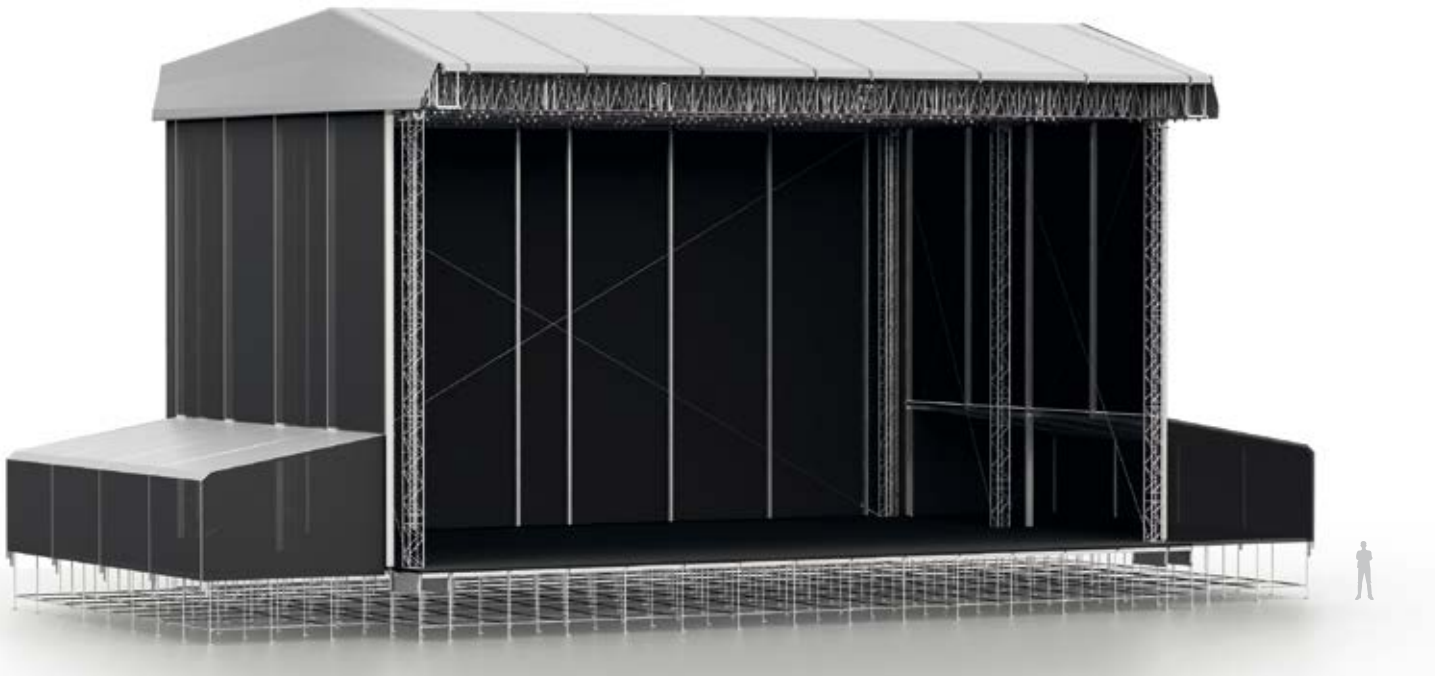


Technical specifications

		Size ›	26×16 m	(85.30×52.49 ft)
Dimensions	A	Internal width	**26.47 m**	(86.84 ft)
	B	Overall external width	**40.56 m**	(133.07 ft)
	C	Depth	**17.70 m**	(58.07 ft)
	D	Overall external depth	**20.70 m**	(67.91 ft)
	E	Clearance	**13.30 m**	(43.63 ft)
	F	Overall height	**16.70 m**	(54.79 ft)

Loading capacity

		Size ›	26×16 m	(85.30×52.49 ft)
Loading capacity	Main grid	(UDL)	**33800 kg**	(74516 lbs)
		PA on each cantilever	**4000 kg**	(8818.49 lbs)
	* See structural report for exact load positioning			

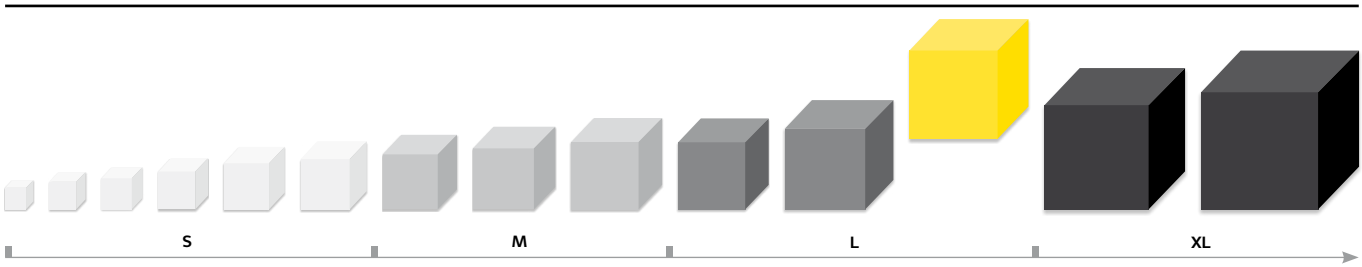


Scaffolding substructure is for visualisation only.
Bracing and ballast depend on the requested configuration.

Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	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)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	28.3 m/s – 100 km/h – 62 mph (max. gust wind speed)
	Training recommended	
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

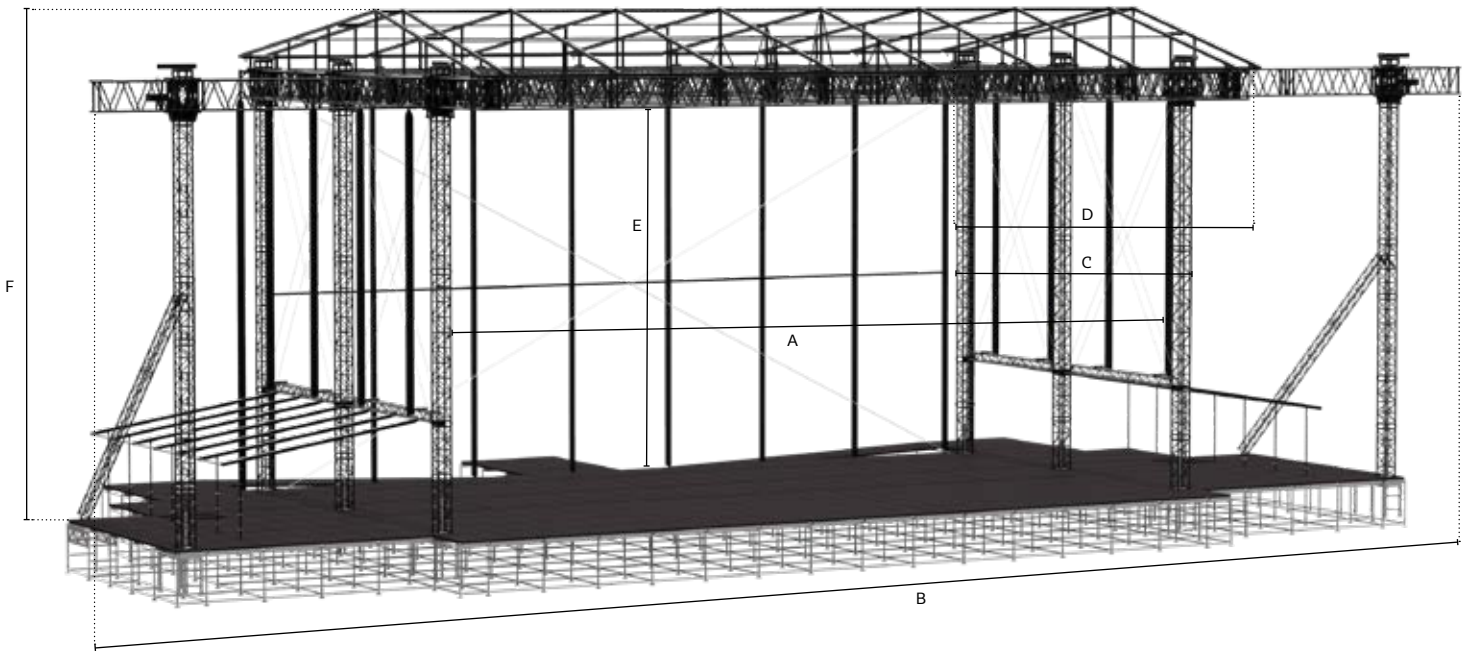


To simplify understanding our standard roof options, we've categorized them into four sizes: S, M, L, and XL.

We've got you covered

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
- Loading capacity up to 50 t (110231 lbs)
- Dimensions 28×19 m (92×62 ft)
- Durable industrial black paint finish as standard on all truss
- Towers with integrated ladder for easy climbing
- Canopy tensioning system for roof top canopies
- Keder profiles for secure attachment of canopies

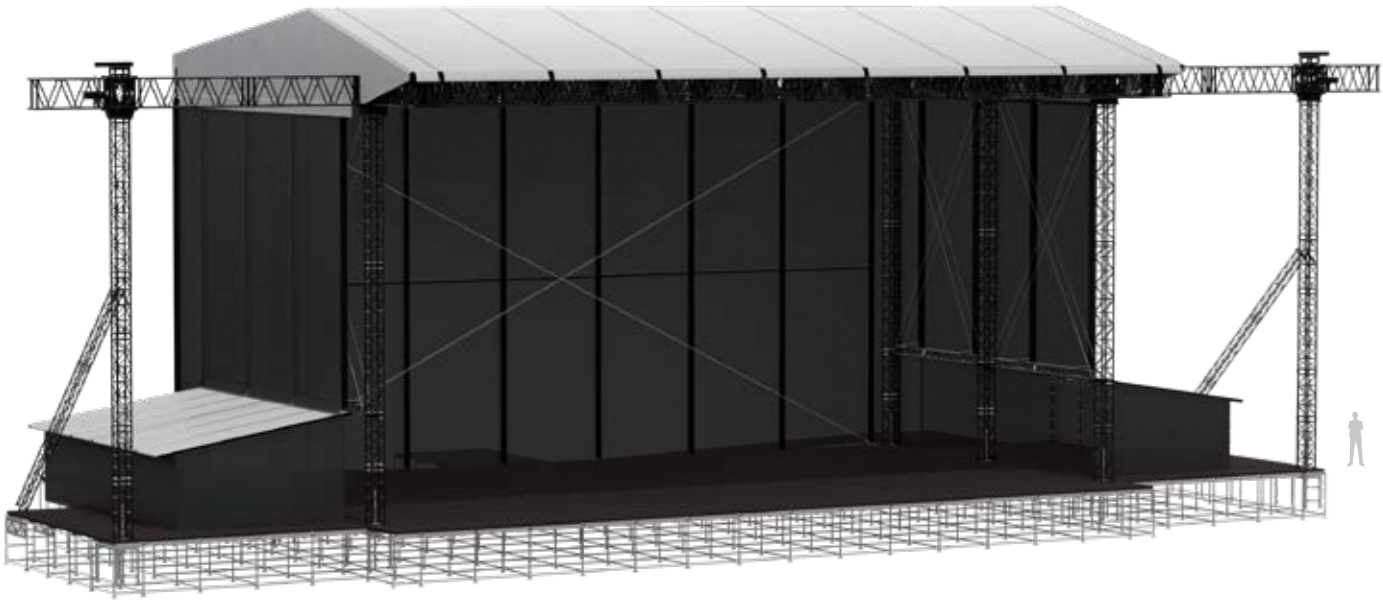


Technical specifications

		Size ›	28×19 m	(91.86×62.33 ft)
Dimensions	A	Internal width	**28.50 m**	(93.50 ft)
	B	Overall external width	**53.10 m**	(174.21 ft)
	C	Depth	**15.80 m**	(51.83 ft)
	D	Overall external depth	**20.30 m**	(66.60 ft)
	E	Clearance	**13.70 m**	(44.94 ft)
	F	Overall height	**17.20 m**	(56.43 ft)

Loading capacity

		Size ›	28×19 m	(91.86×62.33 ft)
Loading capacity	Main grid	(UDL)	**50000 kg**	(110231 lbs)
		PA in total	**12000 kg**	(26455 lbs)
		LED in side wing	**500 kg/m**	(335 lbs/ft)
	* See structural report for exact load positioning			

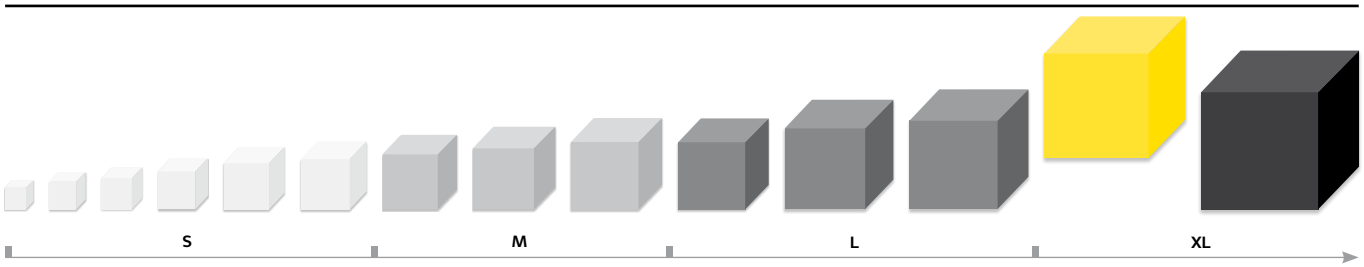


Scaffolding substructure is for visualisation only.
Bracing and ballast depend on the requested configuration.

Operational specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	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	56 metric tonnes	
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	

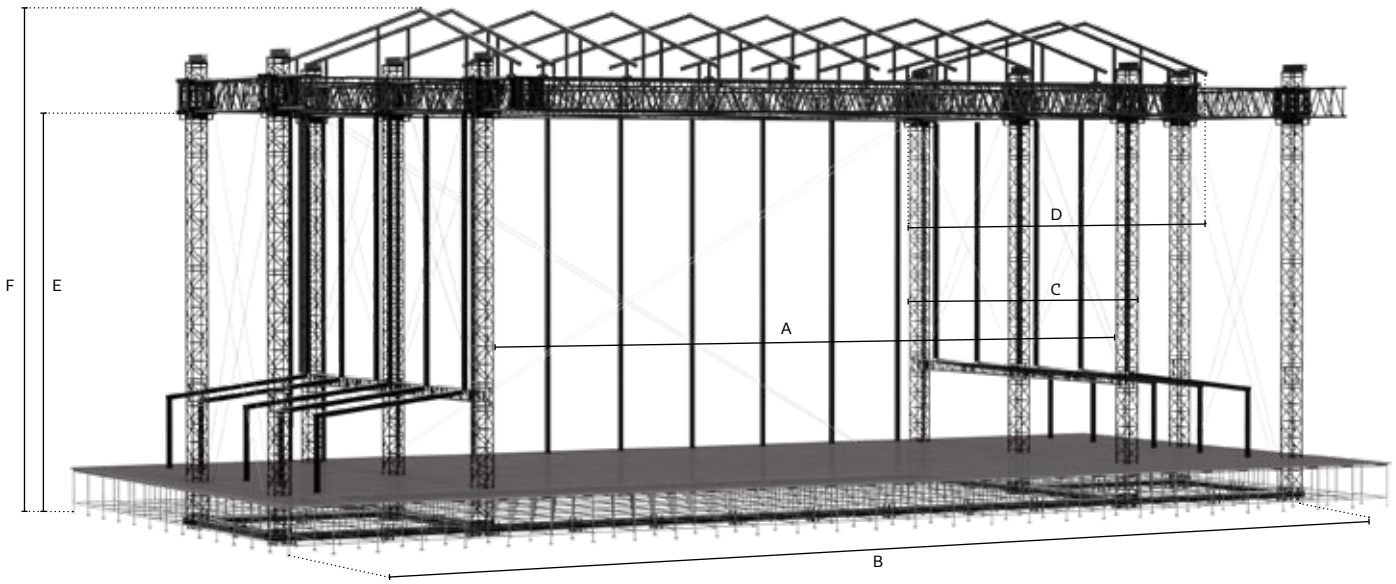
MILOS roof size/UDL overview



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 (104.98×82.02 ft)
- Incredible 100 t (220462 lbs) capacity achievable with 24×25 m (78.74×82.02 ft) 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

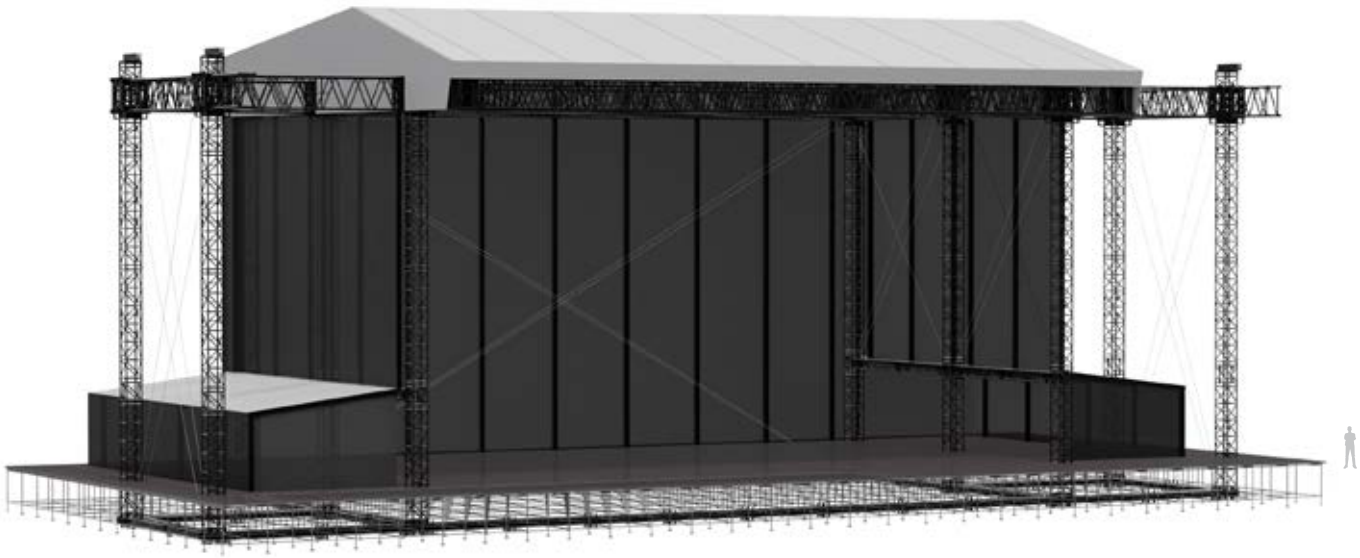


Technical specifications

		Size ›	32×25 m	(104.98×82.02 ft)	24×25 m	(78.74×82.02 ft)
Dimensions	A	Internal width	**32.70 m**	(107.28 ft)	**24.70 m**	(81.03 ft)
	B	Overall external width	**54.10 m**	(177.49 ft)	**46.10 m**	(151.25 ft)
	C	Depth	**20.00 m**	(65.61 ft)	**20.00 m**	(65.61 ft)
	D	Overall external depth	**26.30 m**	(86.28 ft)	**26.30 m**	(86.28 ft)
	E	Clearance	**18.40 m**	(60.36 ft)	**18.40 m**	(60.36 ft)
	F	Overall height	**23.10 m**	(75.78 ft)	**23.10 m**	(75.78 ft)

Loading capacity

		Size ›	32×25 m	(104.98×82.02 ft)	24×25 m	(78.74×82.02 ft)
Loading capacity	Main grid	(UDL)	**60000 kg**	(132277 lbs)	**100000 kg**	(220462 lbs)
		PA in total	**12000 kg**	(26455 lbs)	**12000 kg**	(26455 lbs)
		LED in side wing	**500 kg/m**	(335 lbs/ft)	**500 kg/m**	(355 lbs/ft)
	* See structural report for exact load positioning					

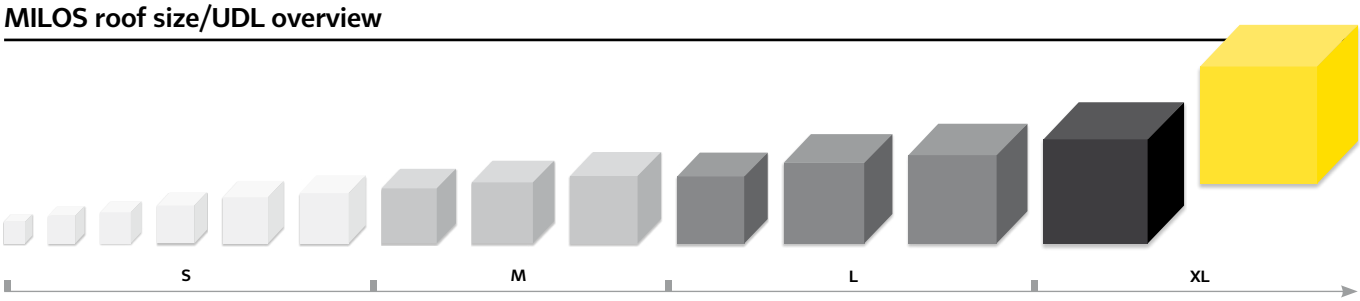


Scaffolding substructure is for visualisation only.
Bracing and ballast depend on the requested configuration.

Operational specifications

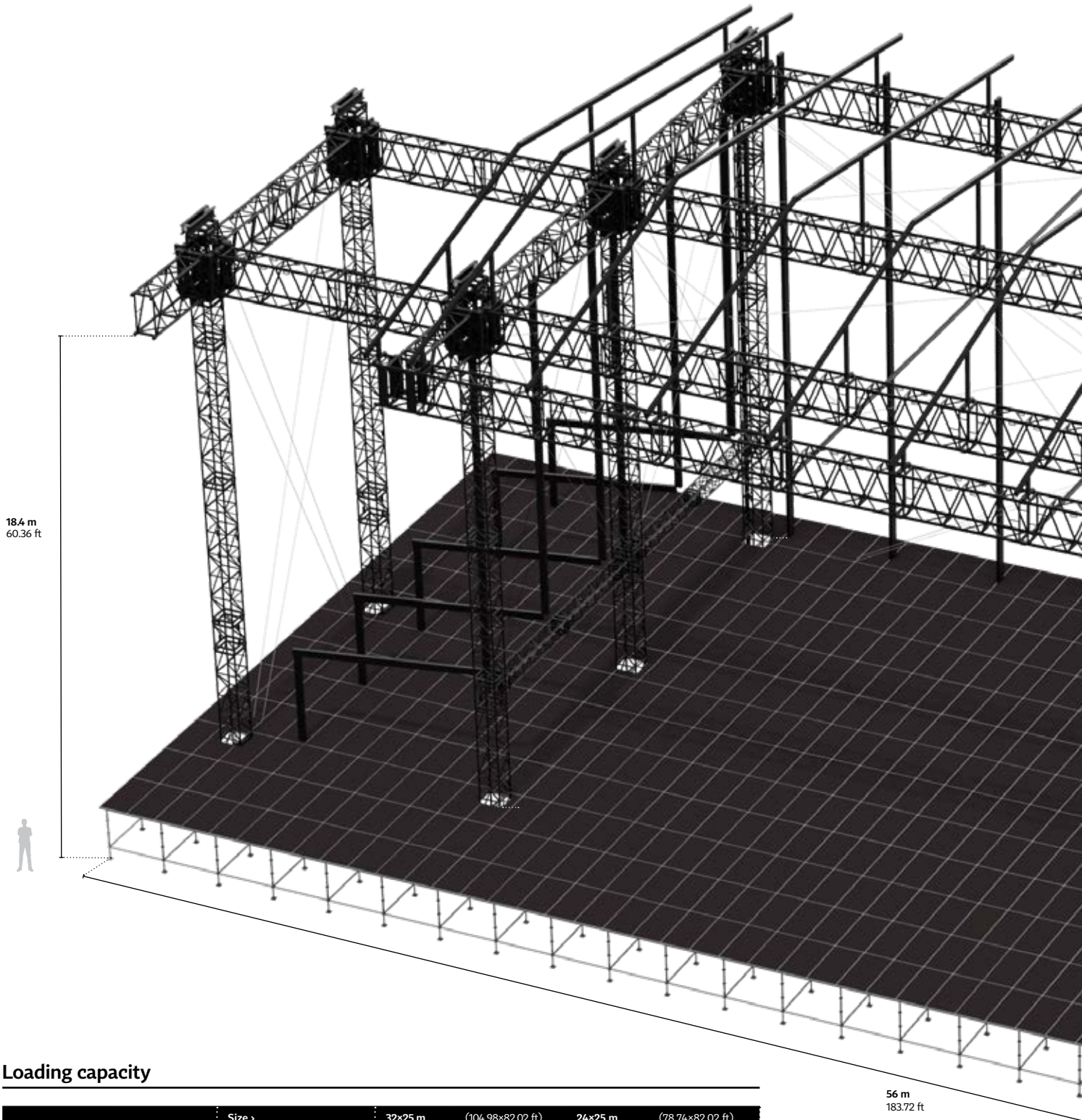
Design standards	EN 13814	Fairground and amusement park machinery and structures
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8 m/s – 64 km/h – 40 mph (max. gust wind speed)
	* Calculation based 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)	
	Training recommended	
Ballast	Ranges from 56–75 metric tonnes depending on configuration/cladding	
Roof top 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.

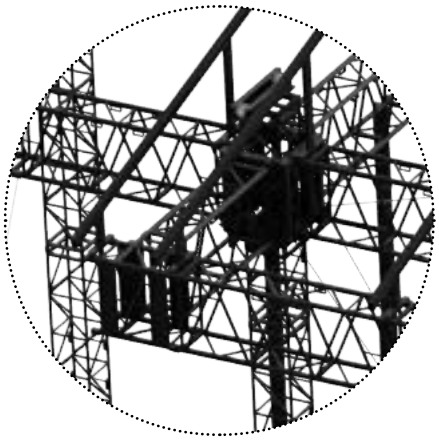
S-MR20 steel roof

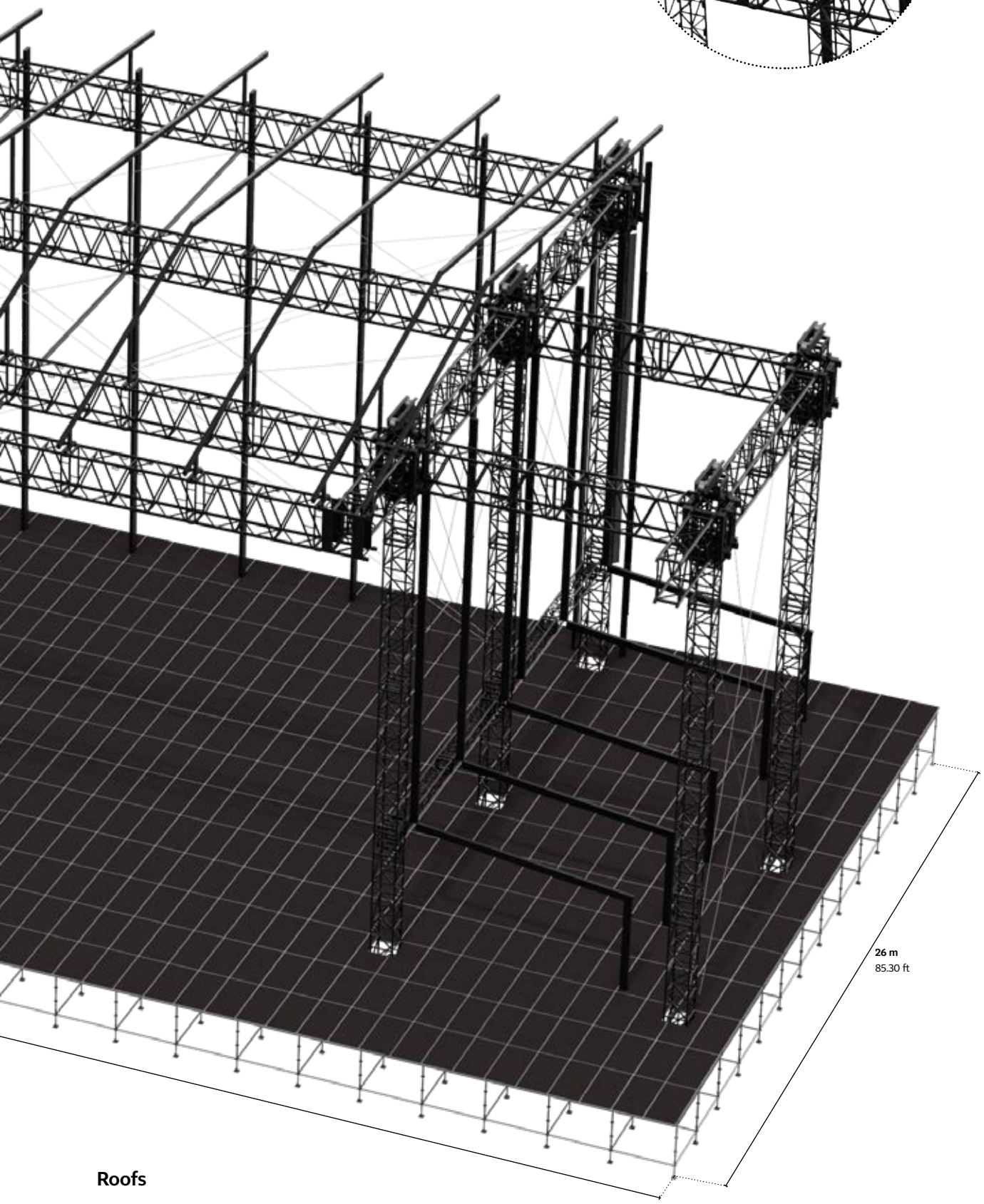


Loading capacity

		Size ›	32×25 m	(104.98×82.02 ft)	24×25 m	(78.74×82.02 ft)
Loading capacity	Main grid	(UDL)	**60000 kg**	(132277 lbs)	**100000 kg**	(220462 lbs)
		PA in total	**12000 kg**	(26455 lbs)	**12000 kg**	(26455 lbs)
		LED in side wing	**500 kg/m**	(335 lbs/ft)	**500 kg/m**	(355 lbs/ft)
	* See structural report for exact load positioning					

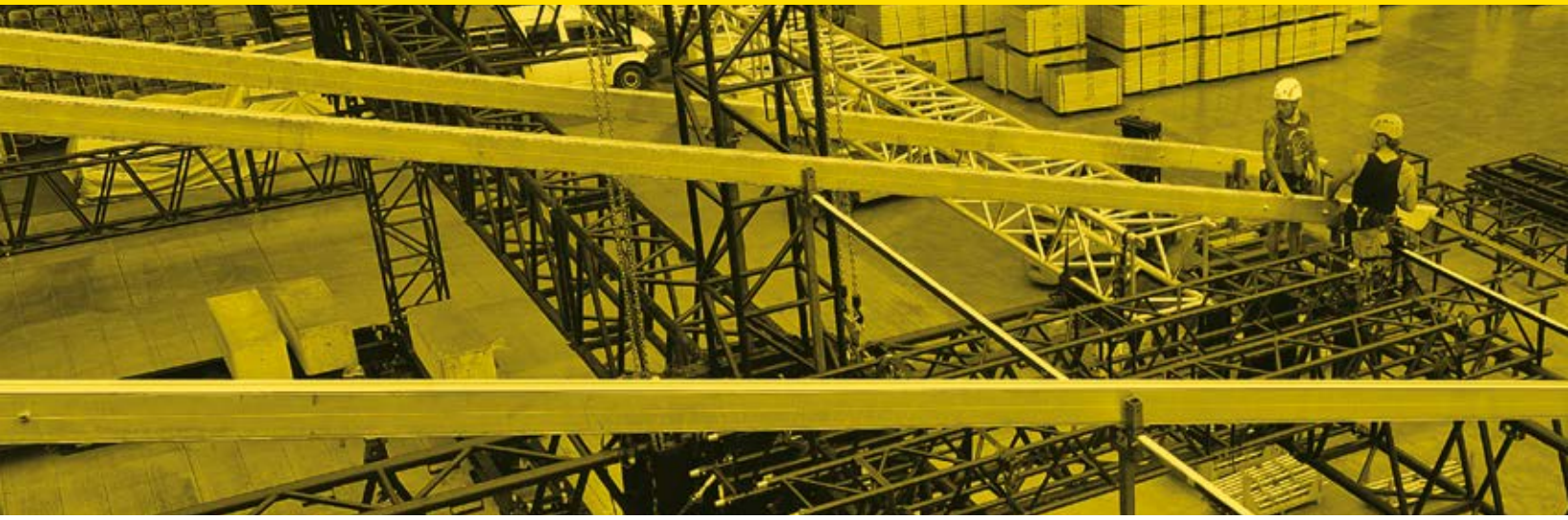
Scaffolding substructure is for visualisation only.
Bracing and ballast depend on the requested configuration.





Keder profiles

- Custom profile with optimised strength-to-weight ratio
- Incl. channel 31×10 mm channel for M12 hammerhead bolts
- Max. point load in channel 600 kg
- Internal connectors available for all rectangular profiles
- Standard length 4 m
- 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

	Values
80×61 mm	g = 3.38 kg/m
	I_y = 99.23 cm⁴
	$M_{y,Rd}$ = 537.00 kNcm

E.g. for roof covers with short spans

Profile 120×80 mm

	Values
120×80 mm	g = 4.93 kg/m
	I_y = 409.82 cm⁴
	$M_{y,Rd}$ = 1552.30 kNcm

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

Profile 170×88 mm

	Values
170×88 mm	g = 7.51 kg/m
	I_y = 1326.02 cm⁴
	$M_{y,Rd}$ = 3545.50 kNcm

E.g. for wall covers up to 10 m height

Connector for profile 80×61 mm

	Values
80×61 mm	g = 2.74 kg/m
	I_y = 25.16 cm⁴
	$M_{y,Rd}$ = 163.36 kNcm

Connector for profile 120×80 mm

	Values
120×80 mm	g = 11.03 kg/m
	I_y = 350.42 cm⁴
	$M_{y,Rd}$ = 1531.50 kNcm

Connector for profile 170×88 mm

	Values
170×88 mm	g = 12.90 kg/m
	I_y = 1180.01 cm⁴
	$M_{y,Rd}$ = 3619.21 kNcm

Profile 250×120 mm

	Values
250×120 mm	g = 8.12 kg/m
	I_y = 2944.18 cm⁴
	$M_{y,Rd}$ = 5323.20 kNcm

E.g. for wall covers up to 12 m height

Profile 300×122 mm

	Values
300×122 mm	g = 11.64 kg/m
	I_y = 6063.40 cm⁴
	$M_{y,Rd}$ = 9110.30 kNcm

E.g. for wall covers up to 16 m height

Profile 360×122 mm

	Values
360×122 mm	g = 15.45 kg/m
	I_y = 10364.40 cm⁴
	$M_{y,Rd}$ = 12981.80 kNcm

E.g. for wall covers up to 19 m height

Connector for profile 250×120 mm

	Values
250×120 mm	g = 10.21 kg/m
	I_y = 2852.12 cm⁴
	$M_{y,Rd}$ = 5395.00 kNcm

Connector for profile 300×122 mm

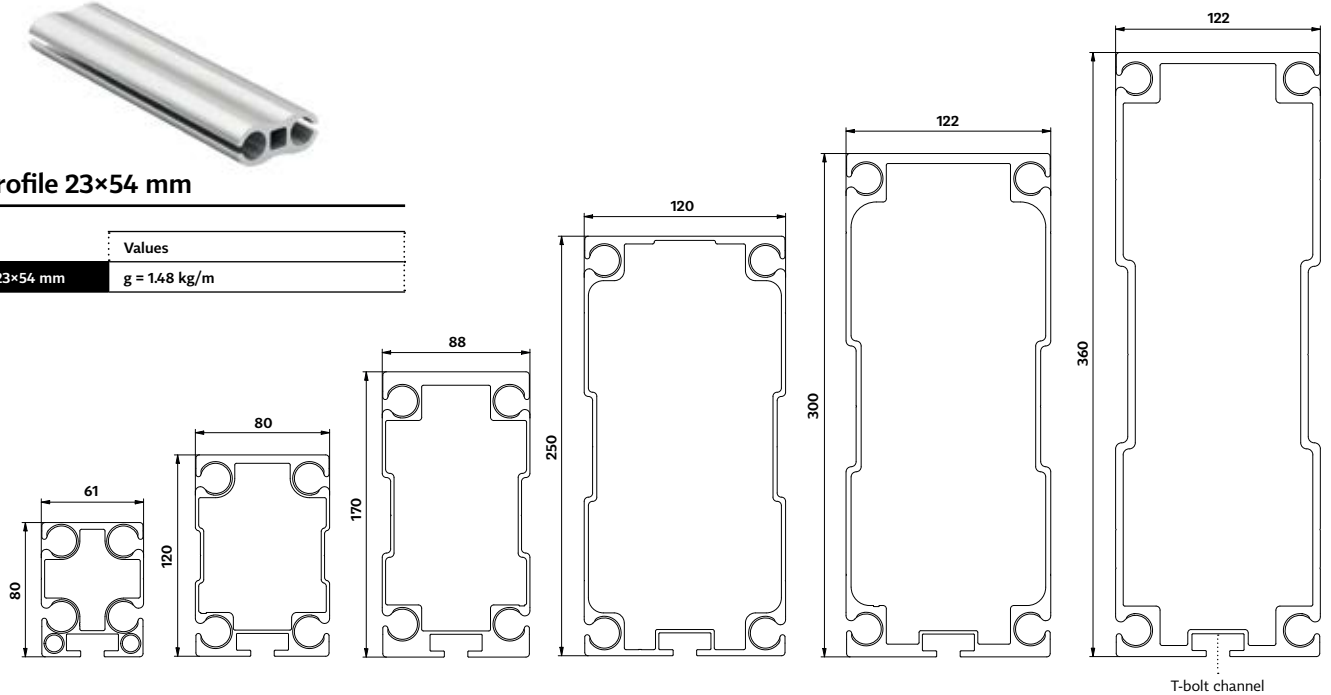
	Values
300×122 mm	g = 14.94 kg/m
	I_y = 5920.40 cm⁴
	$M_{y,Rd}$ = 9391.50 kNcm

Connector for profile 360×122 mm

	Values
360×122 mm	g = 20.60 kg/m
	I_y = 10045.67 cm⁴
	$M_{y,Rd}$ = 13312.20 kNcm

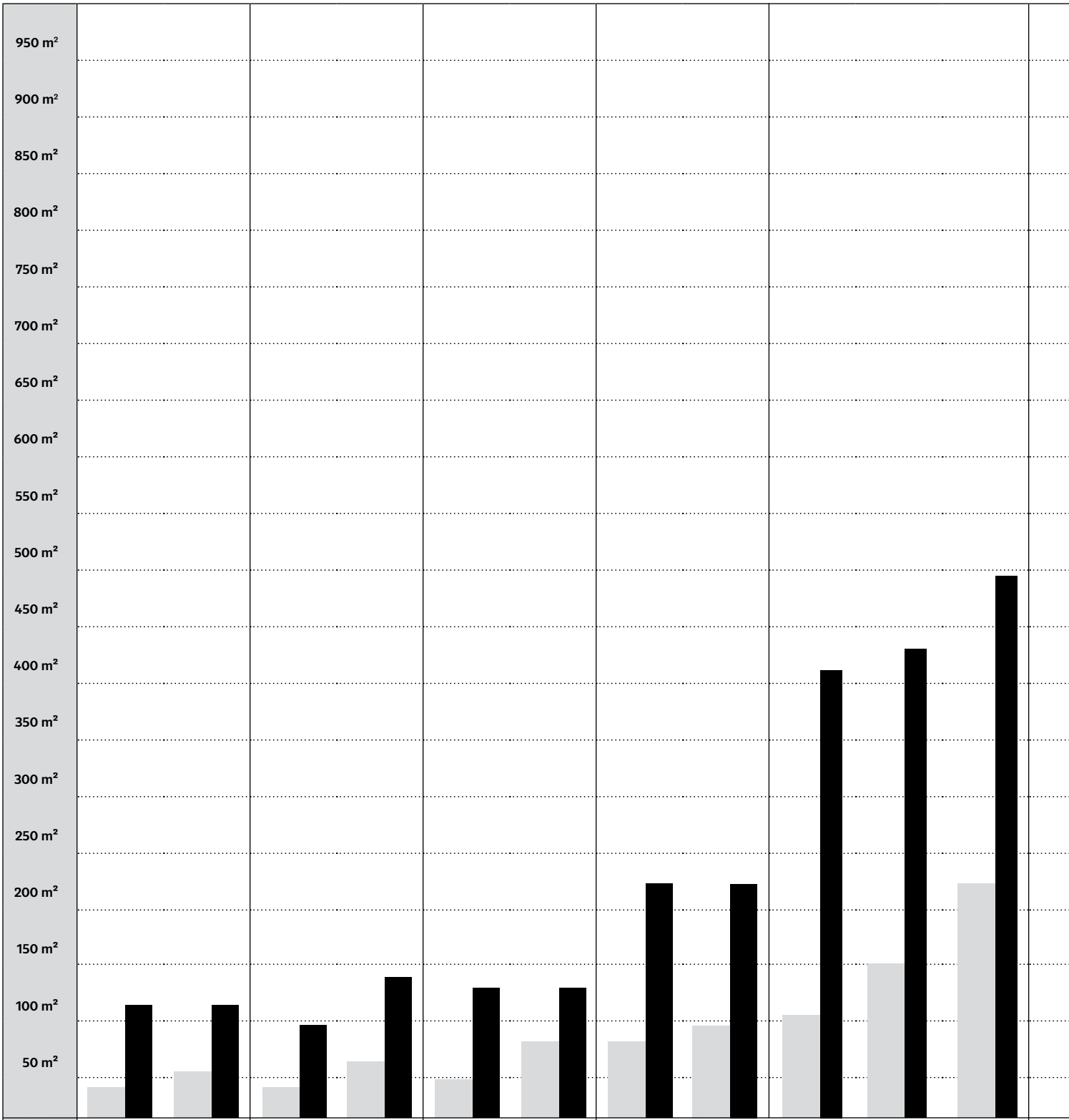
Profile 23×54 mm

	Values
23×54 mm	g = 1.48 kg/m

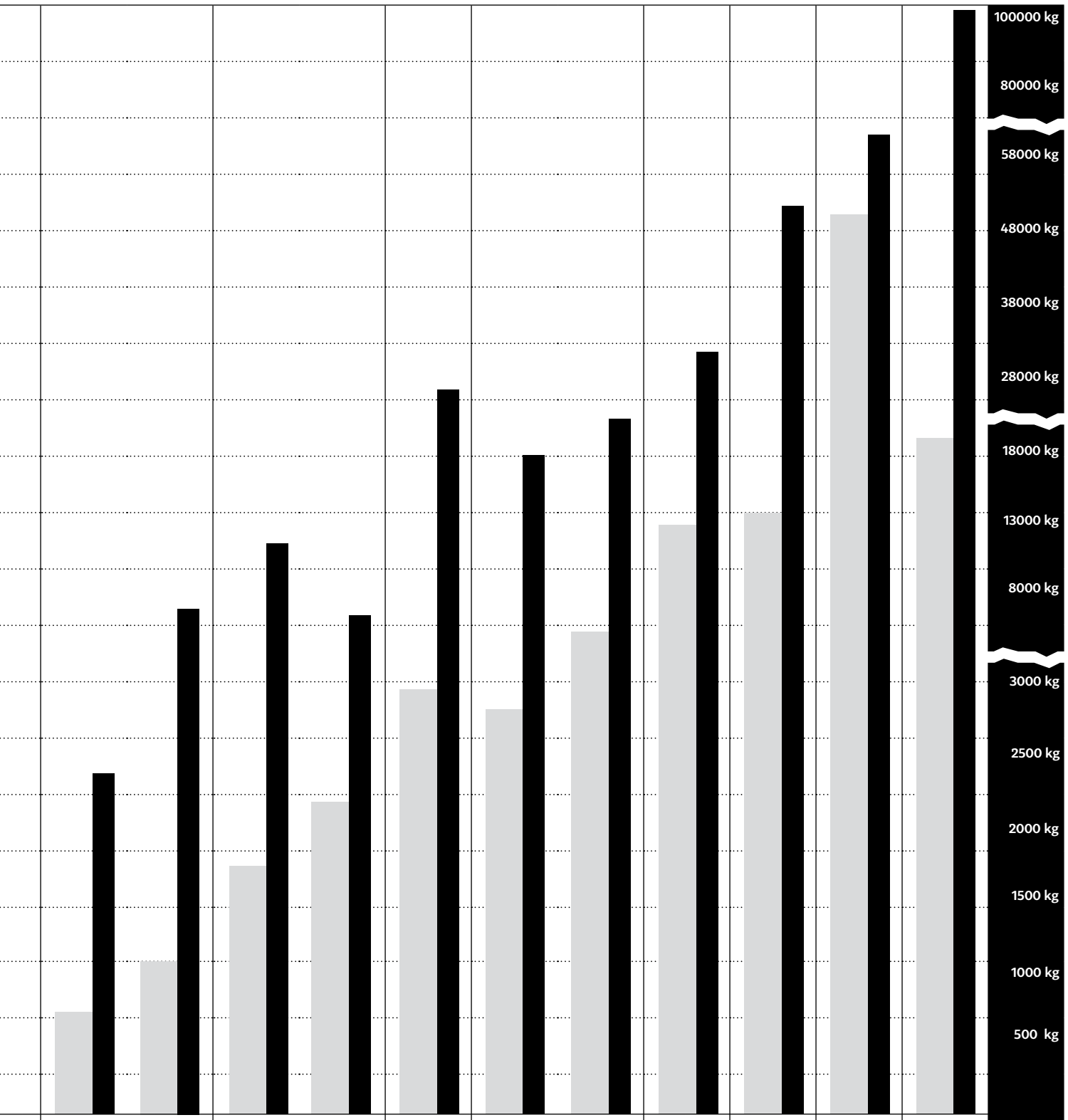


MILOS roofs: overview

Stage size



Stage size	30 m²	48 m²	30 m²	56 m²	36 m²	64 m²	64 m²	80 m²	90 m²	132m²	210 m²	
UDL	810 kg	810 kg	700k g	1050 kg	930 kg	930 kg	1680 kg	1680 kg	3900 kg	4800 kg	10800 kg	
Clearance	**3.90 m**		**4.70 m**	**4.70 m**	**5.40 m**	**5.70 m**	**5.30 m**	**5.60 m**	**7.10 m**		**10.50 m**	
Roof type	**MR0 NGW**		**MR0 Sloping**		**MR1 Arched**		**MR1T Arched**		**MR2K Keder**			
	6×5 m	8×6 m	6×4 m	8×6 m	6×4 m	8×6 m	8×6 m	10×6 m	10×8 m	12×10 m	15×12 m	



	90 m²	132 m²	224 m²	280 m²	342 m²	360 m²	432 m²	520 m²	532 m²	800 m²	600 m²
	2400 kg	7500 kg	11500 kg	7500 kg	30000 kg	19300 kg	22800 kg	33800 kg	50000 kg	60000 kg	100000 kg
	7.10 m		**11.50 m**		**9.50 m**	**11.40 m**		**13.30 m**	**13.70 m**	**18.40 m**	**18.40 m**
	MR2 Saddle		**MR3 Saddle**		**I-MR4 Arched**	**MR5 Pitched**		**MR6**	**S-MR10**	**S-MR20**	
	10×8 m	12×10 m	16×14 m	20×14 m	19×18 m	20×14 m	24×14 m	26×16 m	28×19 m	32×25 m	24×25 m

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 Ø = 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

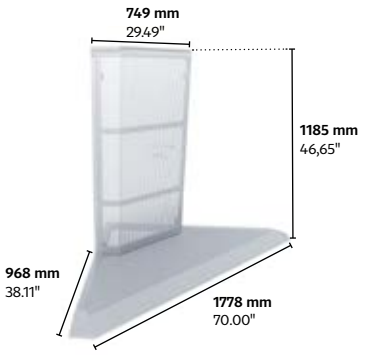
Code	kg	lbs
CWB-BC	**37.2** (82.01)	

Crowd barrier – cart up to 10 barriers

Code	kg	lbs
CWB-CART	**50.3** (110.89)	

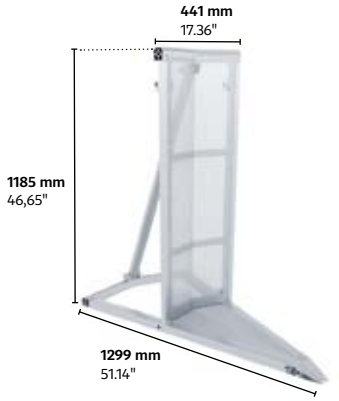
Crowd barrier – inside corner 90°

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 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
2× CWB-B + 4× CWB-90C + 2× CWB-SGA

Connection set

Code	kg	lbs
CWB-FC	**0.50**	(1.00)

Set of bolts

Crowd barriers

Back off!

Use QR code
for full range

Crowd barriers

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- 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 Ø = 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

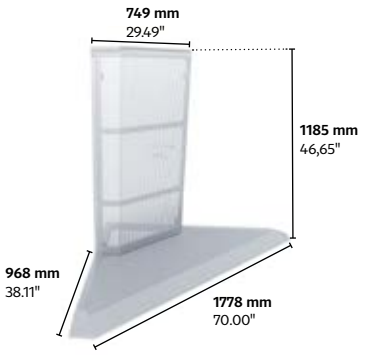
Code	kg	lbs
CWB-BC	**37.2** (82.01)	

Crowd barrier – cart up to 10 barriers

Code	kg	lbs
CWB-CART	**50.3** (110.89)	

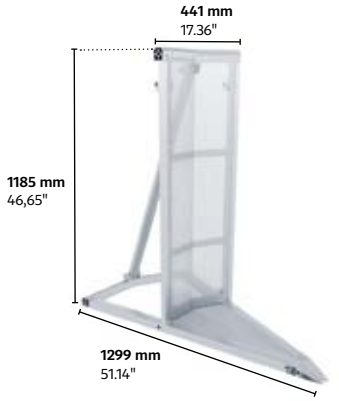
Crowd barrier – inside corner 90°

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 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
2× CWB-B + 4× CWB-90C + 2× CWB-SGA

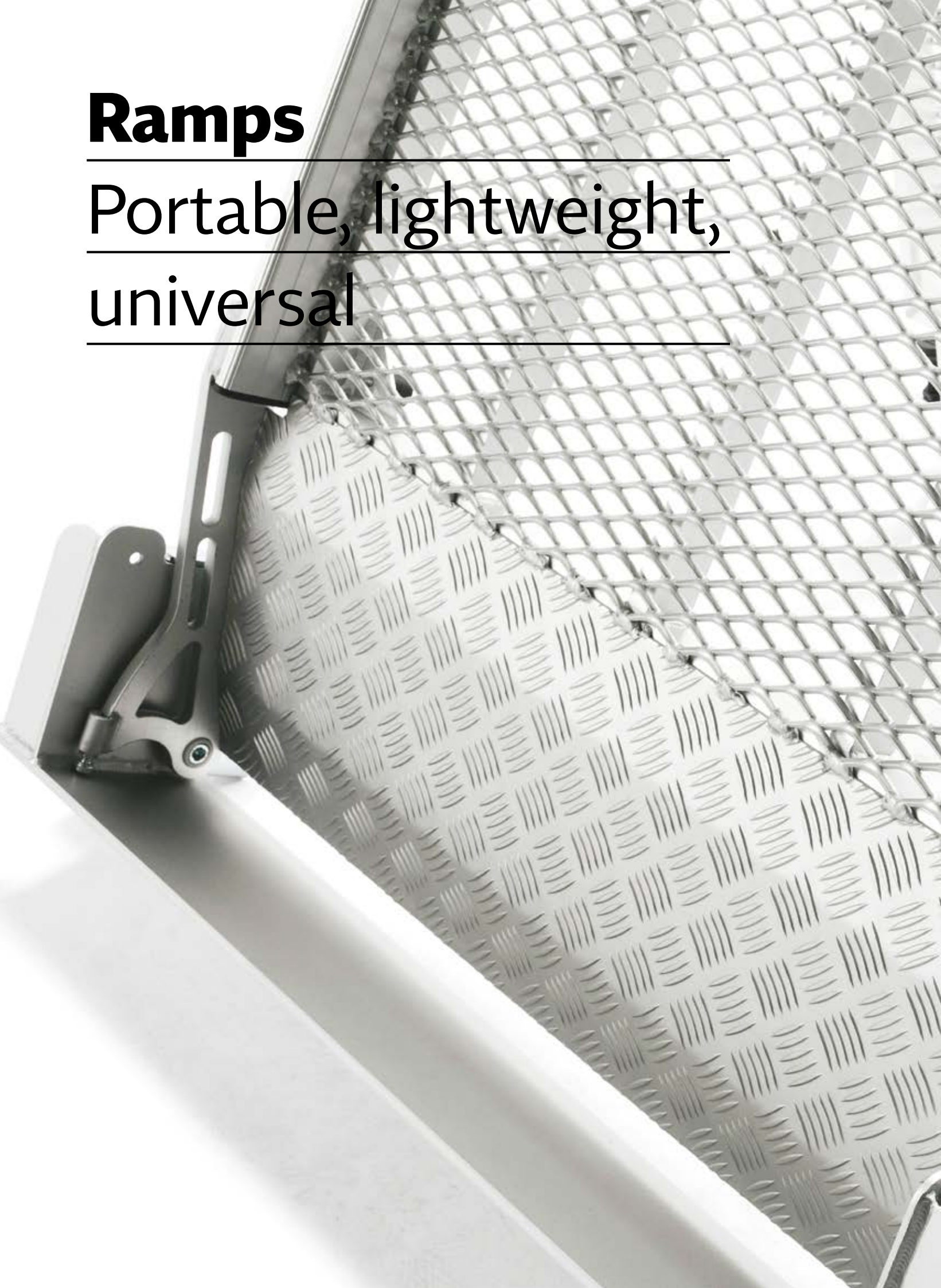
Connection set

Code	kg	lbs
CWB-FC	**0.50**	(1.00)

Set of bolts

Ramps

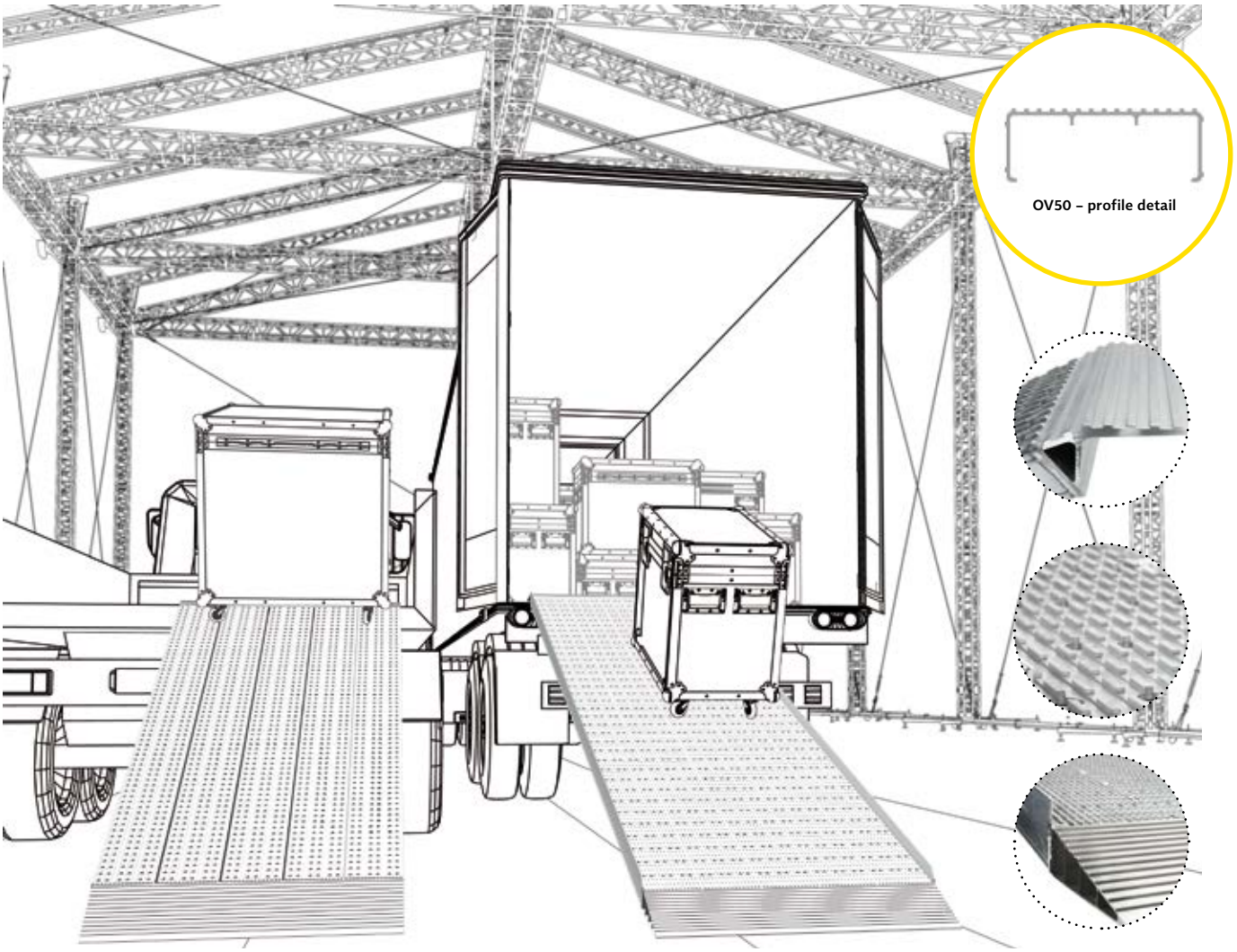
Portable, lightweight, universal



Use QR code
for full range

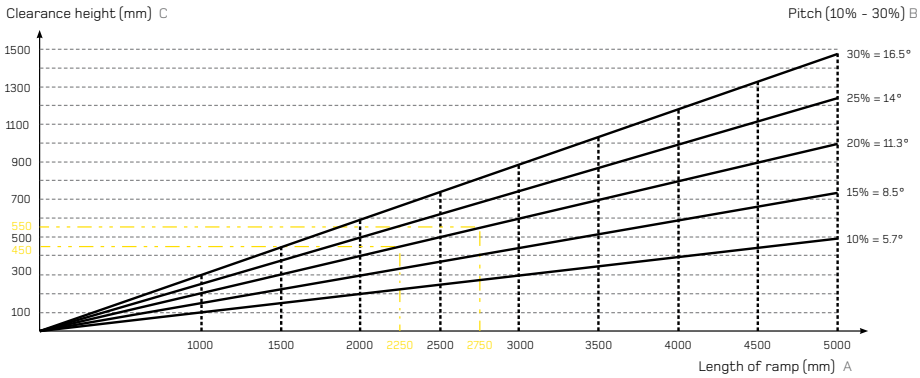
OV50 light ramps

- Lightweight profile made of EN AW-6063 T6
- Side rails raised 45 mm (1.77") as standard
- Anti-slip surface
- Loading capacity up to 1950 kg (4290 lbs)
- Length up to 5000 mm (196.85")
- Wide selection of sizes
- Ultra-heavy-duty use
- Ideal for concert touring

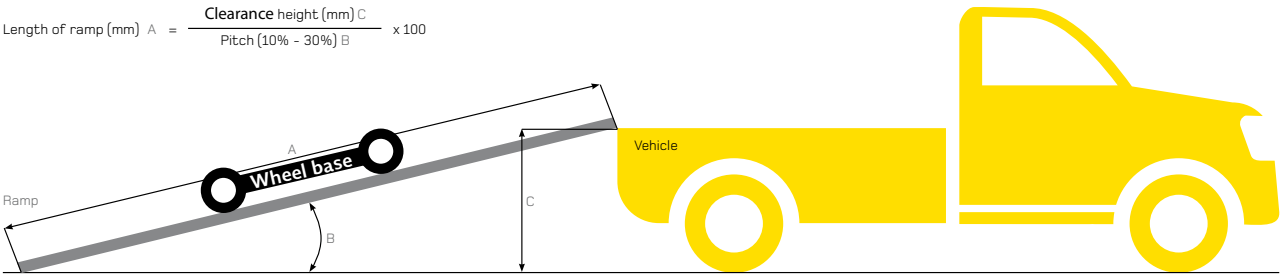


OV50

Light loading ramps
Available in widths of 200 – 400 – 600 – 800 – 1000 mm (7.87 – 15.75 – 23.62 – 31.50 – 39.37"). Side rail height 45 mm (1.77")



Length of ramp (mm) A = $\frac{\text{Clearance height (mm) C}}{\text{Pitch (10% - 30%) B}}$ x 100



OV50

Technical specifications

Code	Length		Width		Height		SWL per piece*		Weight per ramp	
	mm	in					kg	lbs	kg	lbs
OV50-200×1500	1500	(59.06)	200	(7.87)	450	(17.72)	820.00	(1804.00)	6.00	(13.20)
OV50-200×2000	2000	(78.74)	200	(7.87)	600	(23.62)	660.00	(1452.00)	8.00	(17.60)
OV50-200×2500	2500	(98.43)	200	(7.87)	750	(29.53)	530.00	(1166.00)	9.00	(19.80)
OV50-200×3000	3000	(118.11)	200	(7.87)	900	(35.43)	440.00	(968.00)	11.00	(24.20)
OV50-200×3500	3500	(137.80)	200	(7.87)	1050	(41.34)	380.00	(836.00)	13.00	(28.60)
OV50-200×4000	4000	(157.48)	200	(7.87)	1200	(47.24)	330.00	(726.00)	14.00	(30.80)
OV50-400×1500	1500	(59.06)	400	(15.75)	450	(17.72)	1780.00	(3916.00)	12.00	(26.40)
OV50-400×2000	2000	(78.74)	400	(15.75)	600	(23.62)	1450.00	(3190.00)	15.00	(33.00)
OV50-400×2500	2500	(98.43)	400	(15.75)	750	(29.53)	1200.00	(2640.00)	18.00	(39.60)
OV50-400×3000	3000	(118.11)	400	(15.75)	900	(35.43)	1000.00	(2200.00)	22.00	(48.40)
OV50-400×3500	3500	(137.80)	400	(15.75)	1050	(41.34)	860.00	(1892.00)	25.00	(55.00)
OV50-400×4000	4000	(157.48)	400	(15.75)	1200	(47.24)	750.00	(1650.00)	28.00	(61.60)
OV50-400×4500	4500	(177.17)	400	(15.75)	1350	(53.15)	670.00	(1474.00)	31.00	(68.20)
OV50-400×5000	5000	(196.85)	400	(15.75)	1500	(59.06)	600.00	(1320.00)	35.00	(77.00)
OV50-600×1500	1500	(59.05)	600	(23.62)	450	(17.71)	1800.00	(3960.00)	19.00	(41.80)
OV50-600×2000	2000	(78.74)	600	(23.62)	600	(23.62)	1490.00	(3278.00)	24.00	(52.80)
OV50-600×2500	2500	(98.42)	600	(23.62)	750	(29.52)	1260.00	(2772.00)	29.00	(63.80)
OV50-600×3000	3000	(118.11)	600	(23.62)	900	(35.43)	1080.00	(2376.00)	34.00	(74.80)
OV50-600×3500	3500	(137.79)	600	(23.62)	1050	(41.33)	930.00	(2046.00)	40.00	(88.00)
OV50-600×4000	4000	(157.48)	600	(23.62)	1200	(47.24)	810.00	(1782.00)	45.00	(99.00)
OV50-600×4500	4500	(177.16)	600	(23.62)	1350	(53.14)	730.00	(1606.00)	50.00	(110.00)
OV50-600×5000	5000	(196.85)	600	(23.62)	1500	(59.05)	690.00	(1518.00)	56.00	(123.20)
OV50-800×1500	1500	(59.06)	800	(31.50)	450	(17.72)	1950.00	(4290.00)	23.00	(50.60)
OV50-800×2000	2000	(78.74)	800	(31.50)	600	(23.62)	1700.00	(3740.00)	30.00	(66.00)
OV50-800×2500	2500	(98.43)	800	(31.50)	750	(29.53)	1450.00	(3190.00)	36.00	(79.20)
OV50-800×3000	3000	(118.11)	800	(31.50)	900	(35.43)	1250.00	(2750.00)	43.00	(94.60)
OV50-800×3500	3500	(137.80)	800	(31.50)	1050	(41.34)	1070.00	(2354.00)	50.00	(110.00)
OV50-800×4000	4000	(157.48)	800	(31.50)	1200	(47.24)	940.00	(2068.00)	56.00	(123.20)
OV50-800×4500	4500	(177.17)	800	(31.50)	1350	(53.15)	835.00	(1837.00)	63.00	(138.60)
OV50-800×5000	5000	(196.85)	800	(31.50)	1500	(59.06)	800.00	(1760.00)	69.00	(151.80)
OV50-1000×1500	1500	(59.06)	1000	(39.37)	450	(17.72)	1950.00	(4290.00)	29.00	(63.80)
OV50-1000×2000	2000	(78.74)	1000	(39.37)	600	(23.62)	1700.00	(3740.00)	37.00	(81.40)
OV50-1000×2500	2500	(98.43)	1000	(39.37)	750	(29.53)	1450.00	(3190.00)	45.00	(99.00)
OV50-1000×3000	3000	(118.11)	1000	(39.37)	900	(35.43)	1250.00	(2750.00)	53.00	(116.60)
OV50-1000×3500	3500	(137.80)	1000	(39.37)	1050	(41.34)	1070.00	(2354.00)	62.00	(136.40)
OV50-1000×4000	4000	(157.48)	1000	(39.37)	1200	(47.24)	940.00	(2068.00)	70.00	(154.00)
OV50-1000×4500	4500	(177.17)	1000	(39.37)	1350	(53.15)	835.00	(1837.00)	78.00	(171.60)
OV50-1000×5000	5000	(196.85)	1000	(39.37)	1500	(59.06)	800.00	(1760.00)	86.00	(189.20)

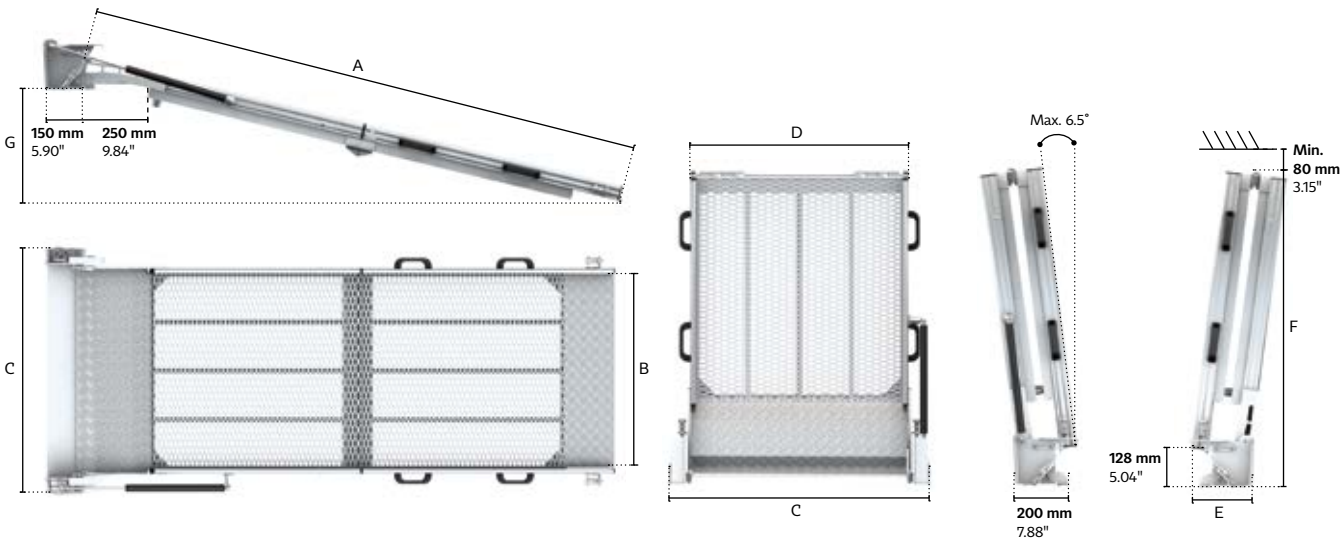
*SWL counted for 1250 mm wheelbase

Portable, lightweight, universal

RA10

Healthcare ramps

- Folding vehicle access ramp solution
- Designed for safe wheelchair access
- Loading capacity up to 400 kg (881.7 lbs) for 500 mm wheelbase
- Maximum extended length up to 3240 mm (127.56")
- Anodised anti-slip surface
- Quick and simple operation
- Gas strut for easy handling
- Optional safety belts
- Front and side crash test at 20 G
- Conformity with EN 1789/A2



*suitable for cars with raised bumper

RA10 RAMPS

Code	Description
RA10-405×800	Folding – 2 pieces
RA10-405×1000	Folding – 2 pieces
RA10-450×600	Folding – 2 pieces
RA10-450×800	Folding – 2 pieces
RA10-450×1000	Folding – 2 pieces
RA10-550×600	Folding – 2 pieces
RA10-550×800	Folding – 2 pieces
RA10-550×1000	Folding – 2 pieces

Technical specifications

mm / in

Length A	Internal width B	Bottom width C	Top width D	Mounting depth E	Height folded F	Mounting height G min. and max. usable sloping angle *	Weight kg / lbs
2033 (80.04)	800 (31.50)	1005 (39.57)	840 (33.07)	255 (10.04)	1112 (43.78)	305 (11°) 12.00 (11°) 550 (18°) 21.65 (18°)	29 (63.92)
2033 (80.04)	1000 (39.37)	1205 (47.44)	1040 (40.94)	255 (10.04)	1112 (43.78)	305 (11°) 12.00 (11°) 550 (18°) 21.65 (18°)	36 (79.35)
2253 (88.70)	600 (23.62)	805 (31.69)	640 (25.20)	255 (10.04)	1222 (48.11)	350 (11°) 13.78 (11°) 600 (18°) 23.62 (18°)	28 (61.72)
2253 (88.70)	800 (31.50)	1005 (39.57)	840 (33.07)	255 (10.04)	1222 (48.11)	350 (11°) 13.78 (11°) 600 (18°) 23.62 (18°)	30 (66.13)
2253 (88.70)	1000 (39.37)	1205 (47.44)	1040 (40.94)	255 (10.04)	1222 (48.11)	350 (11°) 13.78 (11°) 600 (18°) 23.62 (18°)	37 (81.56)
2754 (108.43)	600 (23.62)	815 (32.09)	640 (25.20)	255 (10.04)	1472 (57.95)	450 (11°) 17.72 (11°) 750 (18°) 29.53 (18°)	29 (63.92)
2754 (108.43)	800 (31.50)	1005 (39.57)	840 (33.07)	255 (10.04)	1472 (57.95)	450 (11°) 17.72 (11°) 750 (18°) 29.53 (18°)	35 (77.15)
2754 (108.43)	1000 (39.37)	1205 (47.44)	1040 (40.94)	255 (10.04)	1472 (57.95)	450 (11°) 17.72 (11°) 750 (18°) 29.53 (18°)	38 (83.76)

* Folding ramp can be installed in a wide range of vehicles. Contact one of our Design Centres for specific technical details.

MILOS

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