



Product Catalogue

12th Edition

Milos. Works better.

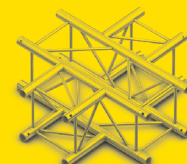
4 Aluminium trusses



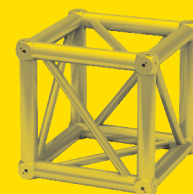
34 Steel trusses



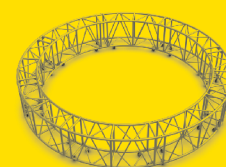
48 Junctions



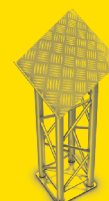
60 Multicubes



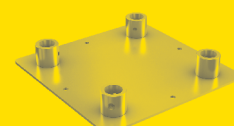
66 Circles and ellipses



72 Furniture & DJ Kits



76 Truss Accessories



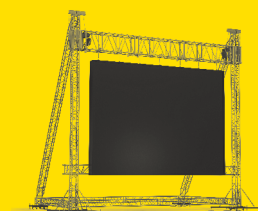
92 Cell clamps and Frames



104 Towers



124 LED screen structures



136 Roofs



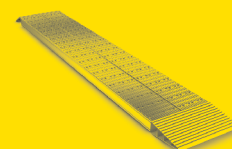
170 Rigging accessories



174 Crowd barriers



178 Ramps



www.milossystems.com

Aluminium trusses

Connecting
the world



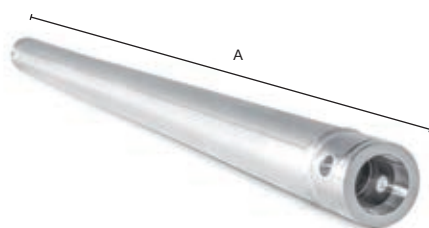


Use QR code
for full range

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 coat colour finish available on request



M100

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

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

M100

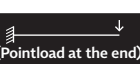
LOADING CHART

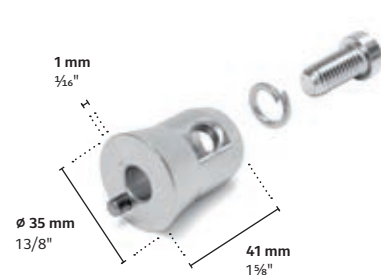
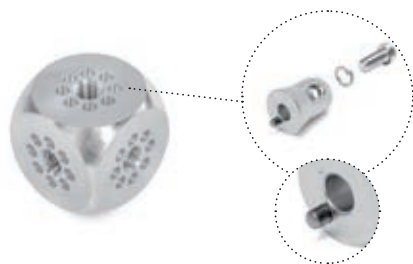
M100	Beam on two supports								(Continuous tube without any modifications)			
Span	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)					
Centre Point Load (CPL)	kg (lbs)	429.00 (945.78)	214.00 (471.79)	142.00 (313.05)	106.00 (233.69)	85.00 (187.39)	70.00 (154.32)					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

Cantilever													
Pointload 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													
Pointload 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	TPL	UDL	Pointload at the end
			
(Centre Point Load)	(Third Point Load)	(Uniformly Distributed Load)	(Pointload at the end)



CUBEB-UNI

Series	kg	lbs
M100	0.27 (0.60)	

Universal multiconnection cube that's 360° adjustable

HINGEQB-UNI

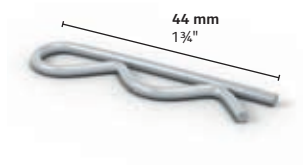
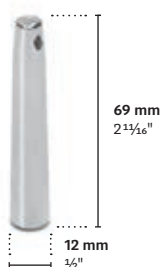
Series	kg	lbs
M100	0.49 (1.08)	

Universal hinge

CON63B/MalePin

Series	kg	lbs
M100	0.17 (0.37)	

Male fitting for CUBEB-UNI, HINGEQB-UNI, equipped with location pin
Supplied with washer and M12x25 bolt.
F & U compatible versions available



PB|Pin

Series	kg	lbs
M100	0.02 (0.04)	

PBM8Set

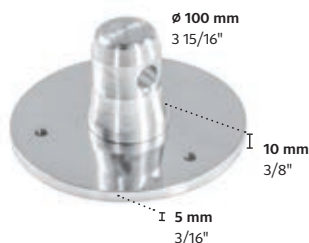
Series	kg	lbs
M100	0.02 (0.04)	

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

SRPB

Series	kg	lbs
M100	0.002 (0.004)	

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



CCB

Series	kg	lbs
M100	0.11 (0.24)	

M290B conical connector
F & U compatible versions available.

BBPSC|Male

Series	kg	lbs
M100	0.19 (0.42)	

M100 single base plate with half connector
F & 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 coat colour finish available on request

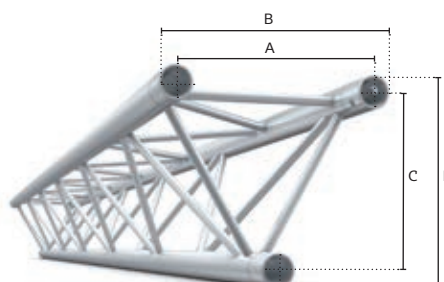
DUO



M222

BTM	mm	in	Main Chords	Diagonals	Alloy	A	B	Coupler
			32x1.5 (1.26x0.06)	10x1.5 (0.39x0.06)	EN - AW 6060 T66	190 (7.48)	222 (8.74)	CCM

TRIO



M222

STM	mm	in	Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
			32x1.5 (1.26x0.06)	10x1.5 (0.39x0.06)	EN - AW 6060 T66	190 (7.48)	222 (8.74)	164 (6.46)	196 (7.72)	CCM

QUATRO



M222

QTM	mm	in	Main Chords	Diagonals	Alloy	A	B	Coupler
			32x1.5 (1.26x0.06)	10x1.5 (0.39x0.06)	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 (5.3)	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/couplers) 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 apex up/down orientation

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

M290 Regular

- Certified 50mm 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 & loading characteristics (up to 20m / 65.61 ft)
- Connection kit supplied with every truss length & junction
- Compatible with 200/400/500/600 series cell clamps
- Compatible with Xtruss accessories
- Powder coat colour finish available on request

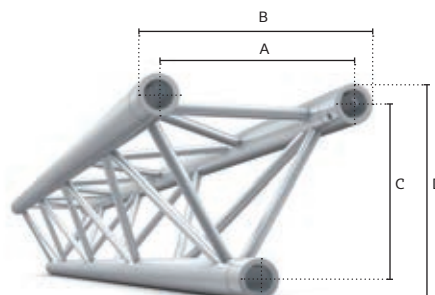
DUO



M290

	Main Chords	Diagonals	Alloy	A	B	Coupler
BTB	50x2 (2x0.08)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	CCB
BTF	50x2 (2x0.08)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	CCF
BTU	50x2 (2x0.08)	20x2 (0.78x0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	CCU

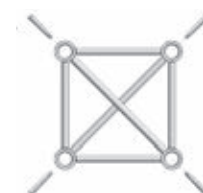
TRIO



M290

	Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
STB	50x2 (2x0.08)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	207 (8.15)	257 (10.12)	CCB
STF	50x2 (2x0.08)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	207 (8.15)	257 (10.12)	CCF
STU	50x2 (2x0.08)	20x2 (0.78x0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	207 (8.15)	257 (10.12)	CCU

QUATRO



M290

	Main Chords	Diagonals	Alloy	A	B	Coupler
QTB	50x2 (2x0.08)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	CCB
QTF	50x2 (2x0.08)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	290 (11.41)	CCF
QTU	50x2 (2x0.08)	20x2 (0.78x0.08)	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/couplers) 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 stabilized every 1m • Higher loading values for U version available

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 for U version available

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)	392.4 (15.44)

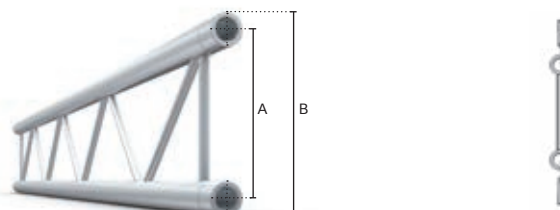
Higher loading values for U version available

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

M290 Heavy-Duty

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

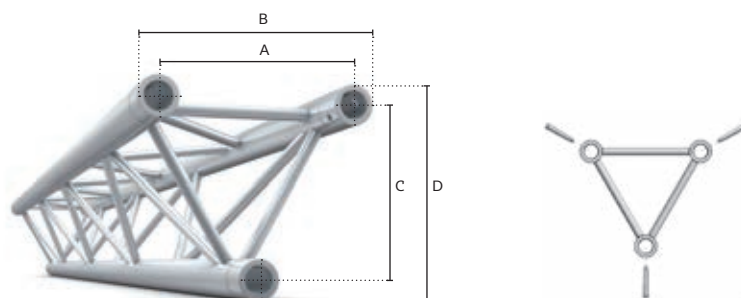
DUO



M290V

	Main Chords	Diagonals	Alloy	A	B	Coupler
BTV	48x3 (1.89x0.12)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	288 (11.34)	CCB
BTVF	48x3 (1.89x0.12)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	288 (11.34)	CCF
BTUV	48x3 (1.89x0.12)	20x2 (0.78x0.08)	EN - AW 6082 T6	240 (9.44)	288 (11.34)	CCU

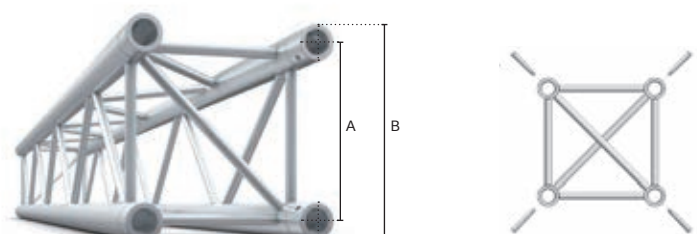
TRIO



M290V

	Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
STV	48x3 (1.89x0.12)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	288 (11.34)	207 (8.15)	255 (10.04)	CCB
STVF	48x3 (1.89x0.12)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	288 (11.34)	207 (8.15)	255 (10.04)	CCF
STVU	48x3 (1.89x0.12)	20x2 (0.78x0.08)	EN - AW 6082 T6	240 (9.44)	288 (11.34)	207 (8.15)	255 (10.04)	CCU

QUATRO



M290V

	Main Chords	Diagonals	Alloy	A	B	Coupler
QTV	48x3 (1.89x0.12)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	288 (11.34)	CCB
QTVF	48x3 (1.89x0.12)	16x2 (0.62x0.08)	EN - AW 6082 T6	240 (9.44)	288 (11.34)	CCF
QTVU	48x3 (1.89x0.12)	20x2 (0.78x0.08)	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 (3.9)	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/couplers) 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 stabilized every 1m

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)	142.30v (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)	391.7 (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 loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural analysis based on EN 1999 • All loading data should be multiplied by 0.85 to comply with BS 7905-2 and ANSI E1.2-2006 • For any other application, or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used: self-weight 1.35 / variable loads 1.5

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	50x10	30x3	BTB, BTF, BTU, BTV, BTVF, BTVU, BTVUU
in	(1.96x0.39)	(1.18x0.12)	



	Main Chords	Brace	Range
mm	50x10	30x3	STB, STF, STU, STV, STVF, STVU, STVUU
in	(1.96x0.39)	(1.18x0.12)	



	Main Chords	Brace	Range
mm	50x10	30x3	QTB, QTF, QTU, QTV, QSTVF, QTVU, QTVUU
in	(1.96x0.39)	(1.18x0.12)	

M390 105 - 149 mm

	Main Chords	Brace	Range
mm	50x10	30x3	BTK, BTKF, BTL, BTLF
in	(1.96x0.39)	(1.18x0.12)	

	Main Chords	Brace	Range
mm	50x10	30x3	STK, STKF, STL, STLF
in	(1.96x0.39)	(1.18x0.12)	

	Main Chords	Brace	Range
mm	50x10	30x3	QTK, QTKF, QTL, QTLF
in	(1.96x0.39)	(1.18x0.12)	



M290 150 - 229 mm

	Main Chords	Brace	Range
mm	50x2	50x2	BTB, BTF, BTU, BTUU
in	(1.96x0.08)	(1.96x0.08)	
	48x3	48x3	BTV, BTVF, BTVU, BTVUU
	(1.89x0.12)	(1.89x0.12)	

	Main Chords	Brace	Range
mm	50x2	50x2	STB, STF, STU, STUU
in	(1.96x0.08)	(1.96x0.08)	
	48x3	48x3	STV, STVF, STVU, STVUU
	(1.89x0.12)	(1.89x0.12)	

	Main Chords	Brace	Range
mm	50x2	50x2	QTB, QTF, QTU, QTUU
in	(1.96x0.08)	(1.96x0.08)	
	48x3	48x3	QTV, QTVF, QTVU, QTVUU
	(1.89x0.12)	(1.89x0.12)	



M390 150 - 249 mm

	Main Chords	Brace	Range
mm	50x2	50x2	BTK, BTKF
in	(1.96x0.39)	(1.96x0.39)	
	48x3	48x3	BTL, BTLF
	(1.89x0.12)	(1.89x0.12)	

	Main Chords	Brace	Range
mm	50x2	50x2	STK, STKF
in	(1.96x0.39)	(1.96x0.39)	

	Main Chords	Brace	Range
mm	50x2	50x2	QTK, QTKF
in	(1.96x0.39)	(1.96x0.39)	



M290 230 - 450 mm

	Main Chords	Brace	Range
mm	50x2	16x2	BTB, BTF
in	(1.96x0.08)	(0.62x0.08)	
	48x3	16x2	BTV, BTVF
	(1.89x0.12)	(0.62x0.08)	
	50x2	20x2	BTU, BTUU
	(1.96x0.08)	(0.78x0.08)	
	48x3	20x2	BTVU
	(1.89x0.12)	(0.78x0.08)	

	Main Chords	Brace	Range
mm	50x2	16x2	BTB, BTF
in	(1.96x0.08)	(0.62x0.08)	
	48x3	16x2	BTV, BTVF
	(1.89x0.12)	(0.62x0.08)	
	50x2	20x2	BTU, BTUU
	(1.96x0.08)	(0.78x0.08)	
	48x3	20x2	BTVU
	(1.89x0.12)	(0.78x0.08)	

	Main Chords	Brace	Range
mm	50x2	16x2	BTB, BTF
in	(1.96x0.08)	(0.62x0.08)	
	48x3	16x2	BTV, BTVF
	(1.89x0.12)	(0.62x0.08)	
	50x2	20x2	BTU, BTUU
	(1.96x0.08)	(0.78x0.08)	
	48x3	20x2	BTVU
	(1.89x0.12)	(0.78x0.08)	

M390 250 - 440 mm

	Main Chords	Brace	Range
mm	50x2	20x2	BTK, BTKF
in	(1.96x0.39)	(0.78x0.08)	
	48x3	20x2	BTL, BTLF
	(1.89x0.12)	(0.78x0.08)	

	Main Chords	Brace	Range
mm	50x2	20x2	STK, STKF
in	(1.96x0.39)	(0.78x0.08)	
	48x3	20x2	STL, STLF
	(1.89x0.12)	(0.78x0.08)	

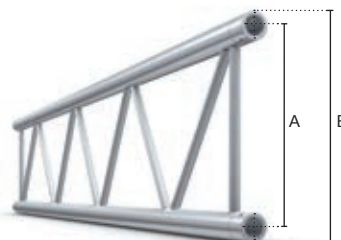
	Main Chords	Brace	Range
mm	50x2	20x2	QTK, QTKF
in	(1.96x0.39)	(0.78x0.08)	
	48x3	20x2	QTL, QTLF
	(1.89x0.12)	(0.78x0.08)	



M390 Regular

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

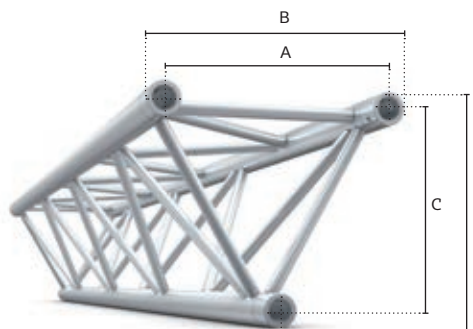
DUO



M390

	Main Chords	Diagonals	Alloy	A	B	Coupler
BTK	50x2 (2x0.08)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.38)	390 (15.35)	CCB
BTKF	50x2 (2x0.08)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.38)	390 (15.35)	CCF

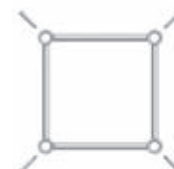
TRIO



M390

	Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
STK	50x2 (2x0.08)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.38)	390 (15.35)	294 (11.57)	344 (13.54)	CCB
STKF	50x2 (2x0.08)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.38)	390 (15.35)	294 (11.57)	344 (13.54)	CCF

QUATRO



M390

	Main Chords	Diagonals	Alloy	A	B	Coupler
QTK	50x2 (2x0.08)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.38)	390 (15.35)	CCB
QTKF	50x2 (2x0.08)	20x2 (0.78x0.08)	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/couplers) 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 stabilized every 1m

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)

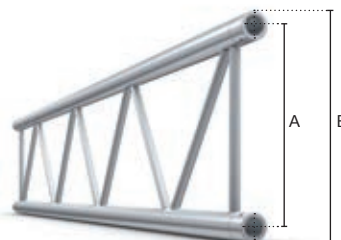
All truss loading calculations are based on:

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

M390 Heavy-Duty

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

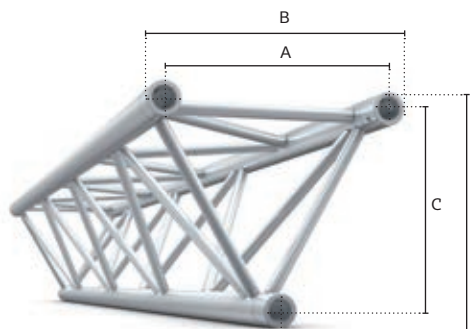
DUO



M390L

	Main Chords	Diagonals	Alloy	A	B	Coupler
BTL	48x3 (1.89x0.12)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCB
BTLF	48x3 (1.89x0.12)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCF

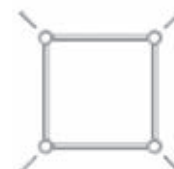
TRIO



M390L

	Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
STL	48x3 (1.89x0.12)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	294 (11.57)	342 (13.46)	CCB
STLF	48x3 (1.89x0.12)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	294 (11.57)	342 (13.46)	CCF

QUATRO



M390L

	Main Chords	Diagonals	Alloy	A	B	Coupler
QTL	48x3 (1.89x0.12)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCB
QTLF	48x3 (1.89x0.12)	20x2 (0.78x0.08)	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 (37.7)	20.30 (44.75)	26.40 (58.2)	33.00 (72.75)

Connection material (pins/clips/couplers) 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 stabilized every 1m

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)

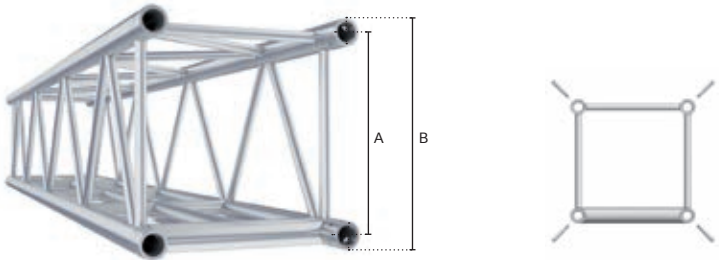
All truss loading calculations are based on:

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

M390 LED

- Features a central bar for the safe, easy and balanced hanging of LED screens
- Available in 0.5m, 1m, 1.5m, 2m, 2.5m, 3m, 4m and 5m lengths
- Quick, simple and secure assembly
- Powder coat colour finish available on request
- Connection kit supplied with every truss length and junction
- Compatible with 200/400/500/600 series cell clamps

QUATRO



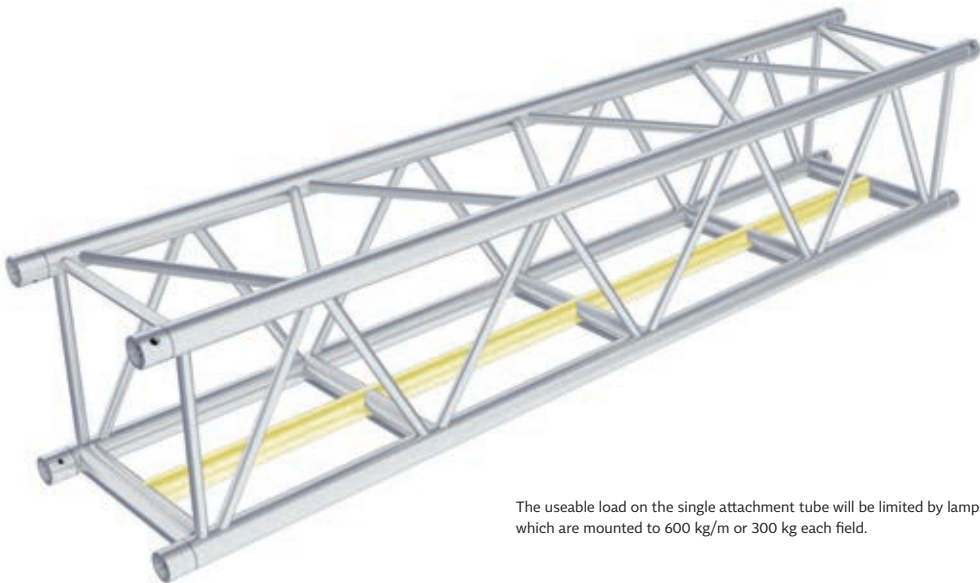
M390L

		Main Chords	Diagonals	Alloy	A	B	Coupler
QTL-LED	mm	48x3 (1.89x0.12)	20x2 (0.78x0.08)	EN - AW 6082 T6	340 (13.39)	388 (15.28)	CCB
QTLF-LED	in	48x3 (1.89x0.12)	20x2 (0.78x0.08)	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/couplers) and packaging are not included in above weights



The useable load on the single attachment tube will be limited by lamps/LED which are mounted to 600 kg/m or 300 kg each 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 will be limited by lamps/LED which are mounted to 600 kg / m or 300 kg each 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 loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural analysis based on EN 1999 • All loading data should be multiplied by 0.85 to comply with BS 7905-2 and ANSI E1.2-2006 • For any other application, or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used: self-weight 1.35 / variable loads 1.5				

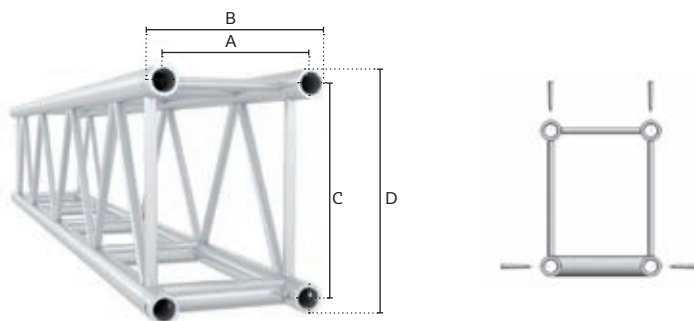


M290x390

- Parallel diagonals allow for M222 / M290 Trio truss to slip through
- Horizontal bracing at node points counteract 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 & U version available

RECT



M290x390

	Main Chords	Diagonals	Horizontal Braces	Alloy	A	B	C	D	Coupler
RTL	48x3 (1.89x0.12)	20x2 (0.78x0.08)	48x3 (1.89x0.12)	EN - AW 6082 T6	240 (945)	290 (1140)	340 (13.38)	390 (15.35)	CCB

M290x390 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)	740 (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/couplers) and packaging are not included in above weights

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

All truss loading calculations are based on:

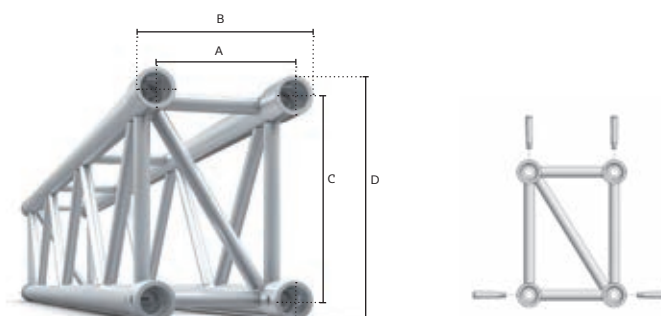
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural analysis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



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 coat colour finish available on request
- Great free-span & loading characteristics (up to 20m / 65.61 ft)
- Connection kit supplied with every truss length & junction

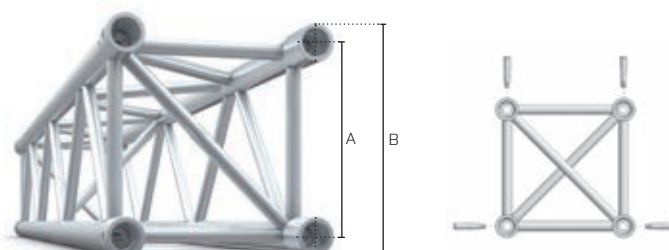
RECT



M400

RTO	mm	in	Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
			50x4 (2x0.16)	25x3 (0.98x0.12)	EN - AW 6082 T6	207 (8.15)	266 (10.47)	299 (11.77)	358 (14.10)	CCO

QUATRO



M400

QTO	mm	in	Main Chords	Diagonals	Alloy	A	B	Coupler
			50x4 (2x0.16)	25x3 (0.98x0.12)	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/couplers) 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)

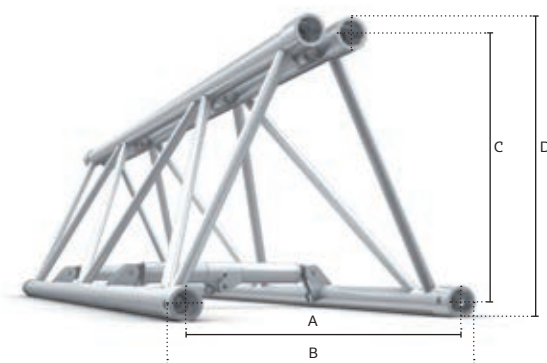
Span	11.00 (36.09)	12.00 (39.37)	13.00 (42.65)	14.00 (45.93)	15.00 (49.21)	16.00 (52.49)	18.00 (59.06)	20.00 (65.62)
Centre Point Load (CPL)	959.90 (2116.21)	871.00 (1920.22)	795.00 (1752.67)	729.20 (1607.61)	671.50 (1480.40)	620.50 (1367.97)	533.90 (1177.05)	462.70 (1020.08)
Deflection	76.60 (3.02)	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 loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force at connector is considered • Structural analysis based on EN 1999 • All loading data should be multiplied by 0.85 to comply with BS 7905-2 and ANSI E1.2-2006 • For any other application, or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used: self-weight 1.35 / variable loads 1.5				

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 24m/ 78.74 ft and QTP up to 30m/ 98.43 ft)
- Connection kit supplied with every truss length & junction
- Compatible with 200/400/500/600 series cell clamps
- Powder coat colour finish available on request

FOLD



M520

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

QUATRO



M520

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

Connection material (pins/clips/couplers) 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 (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	TPL	QPL	FPL	UDL
(Centre Point Load)	(Third Point Load)	(Quarter Point Load)	(Fifth Point Load)	(Uniformly Distributed Load)

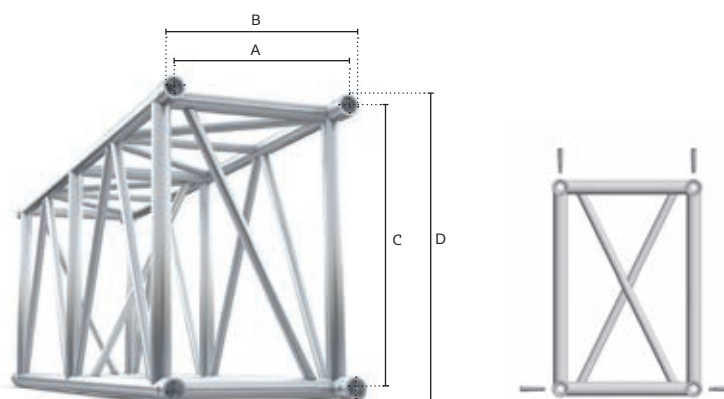
All truss loading calculations are based on:

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

M760

- High-capacity M760 series truss range
- Super-sized conical connections for maximum rigidity
- User-friendly tapered pin holes for ease of assembly
- Great free-span & loading characteristics (up to 32m/ 104,98 ft)
- Connection kit supplied with every truss length & junction
- Compatible with 200/400/500/600 series cell clamps
- Powder coat colour finish available on request

RECT



M760

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

M760 RTP RECT

LOADING CHART

Span	m (ft)	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/couplers) and packaging are not included in above weights



CPL
(Centre Point Load)

TPL
(Third Point Load)

QPL
(Quarter Point Load)

FPL
(Fifth Point Load)

UDL
(Uniformly Distributed Load)

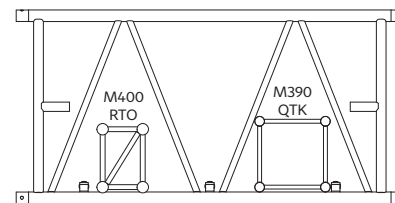
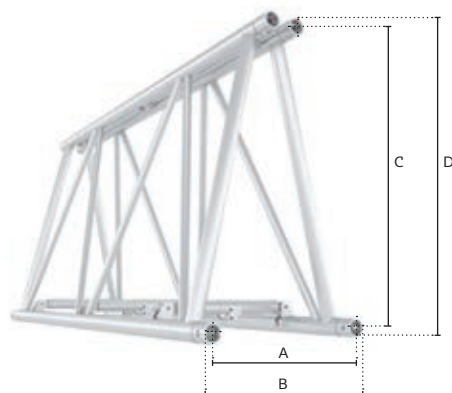
All truss loading calculations are based on:

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

M950

- New, heavy-duty RTTH available with up to 50% better SWL
- Ultra-high capacity M950 series truss range
- Great free-span & loading characteristics (FTT, RTT up to 40m/131.23ft, RTTH up to 42m/137.79 ft)
- Super-sized conical connections for maximum rigidity
- Transit wheels fitted for ease of transportation & setup
- 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 coat colour finish available on request

FOLD



M950

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

M950 FTT FOLD

LOADING CHART

Span	m (ft)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	14.00 (45.93)	16.00 (52.49)	18.00 (59.06)	20.00 (65.62)	22.00 (72.18)
Centre Point Load (CPL)	kg (lbs)	3159.30 (6965.06)	3118.90 (6875.99)	3078.60 (6787.14)	3038.20 (6698.08)	2997.80 (6609.01)	2949.90 (6503.41)	2616.60 (5768.61)	2340.20 (5159.25)
Deflection	mm (in)	5.40 (0.21)	10.60 (0.42)	18.20 (0.72)	28.80 (1.13)	42.80 (1.69)	60.50 (2.38)	75.10 (2.96)	91.40 (3.60)
Third Point Load (TPL)	kg (lbs)	1579.60 (3482.42)	1559.50 (3438.10)	1539.30 (3393.57)	1519.10 (3349.04)	1498.90 (3304.50)	1478.70 (3259.97)	1458.50 (3215.44)	1438.40 (3171.13)
Deflection	mm (in)	4.70 (0.19)	9.10 (0.36)	15.60 (0.61)	24.80 (0.98)	36.90 (1.45)	52.40 (2.06)	71.70 (2.82)	95.20 (3.75)
Quarter Point Load (QPL)	kg (lbs)	1053.10 (2321.69)	1039.60 (2291.92)	1026.20 (2262.38)	1012.70 (2232.62)	999.30 (2203.08)	985.80 (2173.31)	972.40 (2143.77)	958.90 (2114.01)
Deflection	mm (in)	4.30 (0.17)	8.50 (0.33)	14.60 (0.57)	23.10 (0.91)	34.50 (1.36)	49.00 (1.93)	67.10 (2.64)	89.20 (3.51)
Fifth Point Load (FPL)	kg (lbs)	789.80 (1741.21)	779.70 (1718.94)	769.60 (1696.68)	759.50 (1674.41)	749.50 (1652.36)	739.40 (1630.10)	729.30 (1607.83)	719.20 (1585.56)
Deflection	mm (in)	4.10 (0.16)	8.10 (0.32)	14.00 (0.55)	22.20 (0.87)	33.10 (1.30)	47.00 (1.85)	64.40 (2.54)	85.70 (3.37)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	394.90 (265.36)	311.90 (209.59)	256.50 (172.36)	217.00 (145.82)	187.40 (125.93)	164.30 (110.40)	145.90 (98.04)	130.80 (87.89)
Deflection	mm (in)	3.50 (0.14)	6.80 (0.27)	11.70 (0.46)	18.60 (0.73)	27.80 (1.09)	39.70 (1.56)	54.50 (2.15)	72.70 (2.86)

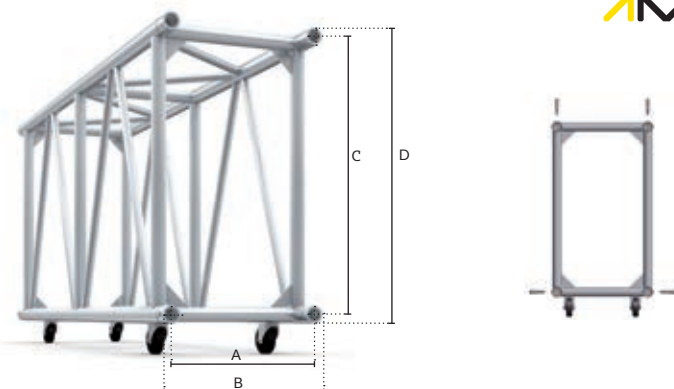
Span	24.00 (78.74)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)	32.00 (104.99)	34.00 (111.55)	36.00 (118.11)	38.00 (124.67)	40.00 (131.23)
Centre Point Load (CPL)	2106.50 (4644.03)	1905.60 (4201.12)	1730.60 (3815.32)	1576.20 (3474.92)	1438.60 (3171.57)	1314.80 (2898.63)	1202.50 (2651.06)	1099.90 (2424.86)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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

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

RECT



M950

	Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
RTT	60x6 (2.36x0.24)	32x3 (1.26x0.12)	EN - AW 6082 T6	520 (20.47)	580 (22.84)	940 (37.00)	1000 (39.37)	CCO
RTTH	60x6 (2.36x0.24)	48x3 (1.89x0.12)	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)	8180 (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	m (ft)	24.00 (78.74)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)	32.00 (104.99)	34.00 (111.55)	36.00 (118.11)	38.00 (124.67)	40.00 (131.23)
Centre Point Load (CPL)	kg (lbs)	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	mm (in)	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)	kg (lbs)	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	mm (in)	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)	kg (lbs)	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	mm (in)	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)	kg (lbs)	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	mm (in)	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)	kg/m (lbs/ft)	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	mm (in)	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	m (ft)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)	32.00 (104.99)	34.00 (111.55)	36.00 (118.11)	38.00 (124.67)	40.00 (131.23)	42.00 (137.79)
Centre Point Load (CPL)	kg (lbs)	1818.00 (4008.00)	1684.00 (3712.59)	1547.00 (3410.55)	1423.00 (3137.18)	1310.00 (2888.06)	1206.00 (2658.78)	1100.00 (2447.13)	1010.00 (2226.67)	927.00 (2043.68)
Deflection	mm (in)	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)	kg (lbs)	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	mm (in)	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)	kg (lbs)	1021.30 (2251.58)	925.00 (2039.28)	840.00 (1853.20)	765.00 (1686.54)	696.80 (1536.18)	634.90 (1399.72)	578.30 (1274.93)	526.10 (1159.85)	477.80 (1053.37)
Deflection	mm (in)	162.70 (6.41)	189.30 (7.45)	218.20 (8.59)	249.20 (9.81)	282.50 (11.12)	318.20 (12.53)	356.20 (14.02)	396.60 (15.61)	439.50 (17.30)
Fifth Point Load (FPL)	kg (lbs)	851.10 (1876.35)	771.10 (1699.98)	700.50 (1544.34)	637.50 (1405.45)	580.70 (1280.22)	529.10 (1166.47)	481.90 (1062.41)	438.40 (966.51)	398.10 (877.66)
Deflection	mm (in)	171.10 (6.74)	198.90 (7.83)	228.80 (9.01)	261.00 (10.28)	295.40 (11.63)	332.10 (13.07)	371.10 (14.61)	412.40 (16.24)	456.10 (17.96)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	157.10 (105.55)	132.20 (88.84)	112.10 (75.33)	95.60 (64.24)	82.00 (55.10)	70.50 (47.37)	60.90 (40.90)	52.60 (35.34)	45.50 (30.57)
Deflection	mm (in)	170.00 (6.69)	197.60 (7.78)	227.40 (8.95)	259.40 (10.21)	293.60 (11.56)	330.20 (13.00)	369.00 (14.53)	410.20 (16.15)	453.80 (17.89)

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

All truss loading calculations are based on:

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

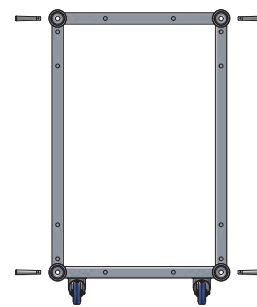
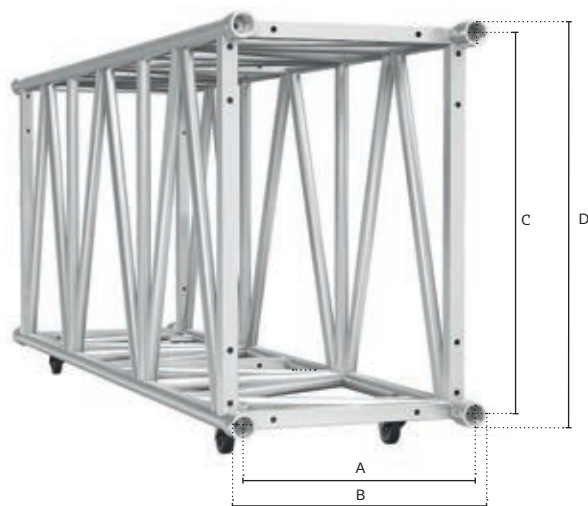
Aluminium trusses

M1200 RTR

The MILOS M1200 RTR Truss boasts a maximum 50m span, e.g. on 36m span, it has an incredible UDL of 120 kg/meter with just 278mm 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 allows a 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 60mm allows the use of CELL 300
- End frames designed of rectangular profiles incl. mounting holes for e.g. keder supports, supports for storing and transport of tower truss inside the truss, etc.

RECT



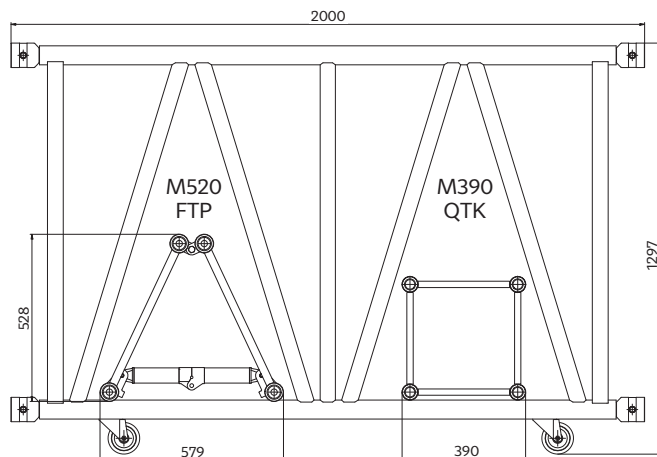
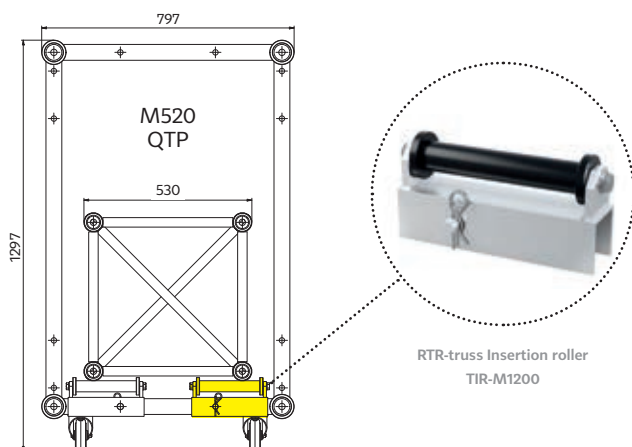
M1200

RTR	mm	in	Main Chords	Braces	Alloy	A	B	C	D	Coupler
			60x8 (2.36x0.16)	50x4 (2x0.16) & 48x3 (1.89x0.12)	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/couplers) and packaging are not included in above weights



M1200 RTR

LOADING CHART

Span	m (ft)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	14.00 (45.93)	16.00 (52.49)	18.00 (59.06)	20.00 (65.62)	22.00 (72.18)
Centre Point Load (CPL)	kg (lbs)	8678.00 (19131.72)	8622.00 (19008.26)	7709.00 (16995.44)	6560.00 (14462.32)	5692.00 (12548.71)	5011.00 (11047.36)	4461.00 (9834.82)	4006.00 (8831.72)
Deflection	mm (in)	11.00 (0.43)	17.00 (0.67)	24.00 (0.94)	33.00 (1.30)	44.00 (1.73)	56.00 (2.20)	69.00 (2.72)	84.00 (3.31)
Third Point Load (TPL)	kg (lbs)	4342.00 (9572.47)	4315.00 (9512.95)	4288.00 (9453.42)	4260.00 (9391.69)	4233.00 (9332.17)	3758.00 (8284.97)	3346.00 (7376.67)	3005.00 (6624.89)
Deflection	mm (in)	10.00 (0.39)	20.00 (0.79)	31.00 (1.22)	42.00 (1.65)	55.00 (2.17)	70.00 (2.76)	87.00 (3.43)	105.00 (4.13)
Quarter Point Load (QPL)	kg (lbs)	2932.00 (6463.95)	2923.00 (6444.11)	2915.00 (6426.47)	2906.00 (6406.63)	2846.00 (6274.36)	2505.00 (5522.58)	2230.00 (4916.31)	2003.00 (4415.86)
Deflection	mm (in)	10.00 (0.39)	19.00 (0.75)	29.00 (1.14)	39.00 (1.54)	52.00 (2.05)	65.00 (2.56)	81.00 (3.19)	98.00 (3.86)
Fifth Point Load (FPL)	kg (lbs)	2193.00 (4834.74)	2185.00 (4817.10)	2176.00 (4797.26)	2168.00 (4779.62)	2160.00 (4761.98)	2088.00 (4603.25)	1859.00 (4098.39)	1669.00 (3679.52)
Deflection	mm (in)	9.00 (0.35)	18.00 (0.71)	31.00 (1.22)	42.00 (1.65)	55.00 (2.17)	69.00 (2.72)	85.00 (3.35)	103.00 (4.06)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1099.00 (738.50)	876.00 (588.50)	711.00 (477.50)	610.00 (410.00)	532.00 (357.50)	470.00 (318.50)	425.00 (285.50)	364.00 (244.50)
Deflection	mm (in)	5.00 (0.20)	10.00 (0.39)	17.00 (0.67)	27.00 (1.06)	41.00 (1.61)	58.00 (2.28)	81.00 (3.19)	103.00 (4.06)

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

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

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

All truss loading calculations are based on:

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

Steel trusses

Ultra strength

for ultra

high loads





Use QR code
for full range

S-M530 Quatro

- 530 x 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 22mm holes for lateral connections on all sides
- Double fork couplers, zinc coated pins and matt black, impact-resistant industrial paint finish
- Ladder tubes for ease of climbing when used as tower



Fork coupler

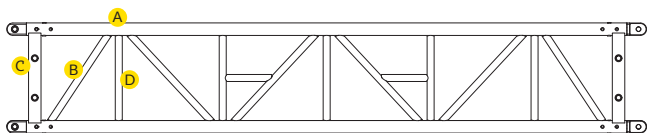
S-M530 Quatro Tower truss section

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

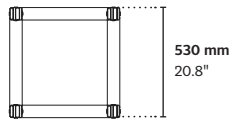
STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

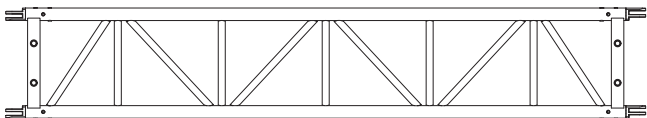
Connection material and packaging are not included in above weights



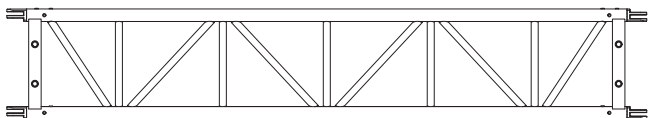
Side view



End view



Top view



Bottom view

S-QTPT

LOADING CHART

Span	m (ft)	5.00 (16.40)	6.00 (19.70)	7.00 (23.00)	8.00 (26.20)	9.00 (29.50)	10.00 (32.80)	11.00 (36.10)
Centre Point Load (CPL)	kg (lbs)	11655.00 (25695.00)	11606.00 (25587.00)	10210.00 (22509.00)	8887.00 (19592.00)	7853.00 (17313.00)	7021.00 (15479.00)	6335.00 (13966.00)
Deflection	mm (in)	9.00 (0.35)	16.00 (0.63)	23.00 (0.91)	30.00 (1.18)	38.00 (1.50)	47.00 (1.85)	57.00 (2.24)
Third Point Load (TPL)	kg (lbs)	5825.00 (12842.00)	5803.00 (12793.00)	5778.00 (12738.00)	5753.00 (12683.00)	5729.00 (12630.00)	5265.00 (11607.00)	4751.00 (10474.00)
Deflection	mm (in)	8.00 (0.31)	14.00 (0.55)	22.00 (0.87)	33.00 (1.30)	46.00 (1.81)	59.00 (2.32)	71.00 (2.80)
Quarter Point Load (QPL)	kg (lbs)	3885.00 (8565.00)	3869.00 (8530.00)	3852.00 (8492.00)	3836.00 (8457.00)	3819.00 (8419.00)	3510.00 (7738.00)	3168.00 (6984.00)
Deflection	mm (in)	7.00 (0.28)	13.00 (0.51)	20.00 (0.79)	30.00 (1.18)	43.00 (1.69)	55.00 (2.17)	67.00 (2.64)
Fifth Point Load (FPL)	kg (lbs)	2914.00 (6424.00)	2901.00 (6396.00)	2889.00 (6369.00)	2877.00 (6343.00)	2864.00 (6314.00)	2852.00 (6288.00)	2640.00 (5820.00)
Deflection	mm (in)	7.00 (0.28)	12.00 (0.47)	19.00 (0.75)	29.00 (1.14)	41.00 (1.61)	57.00 (2.24)	70.00 (2.76)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2331.00 (1566.00)	1934.00 (1300.00)	1651.00 (1109.00)	1438.00 (966.00)	1273.00 (855.00)	1141.00 (767.00)	1033.00 (694.00)
Deflection	mm (in)	6.00 (0.24)	10.00 (0.39)	16.00 (0.63)	24.00 (0.94)	34.00 (1.34)	47.00 (1.85)	63 (2.48)

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

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

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

CPL ↓ (Centre Point Load)	TPL ↓ ↓ (Third Point Load)	QPL ↓ ↓ ↓ (Quarter Point Load)	FPL ↓ ↓ ↓ ↓ (Fifth Point Load)	UDL ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ (Uniformly Distributed Load)
All truss loading calculations are based on: Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included • Spans made of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 1993-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 all loading data should be multiplied by 0.85 • For any other application, or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used – self-weight 1.35 / loading 1.5				

S-M780 Quatro

- 780 x 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 22mm holes for lateral connections on all sides
- Ladder tubes for ease of climbing when used as tower
- Integrated forklift pick up points, double fork couplers, zinc coated pins and matt black, impact-resistant industrial paint finish



Forklift pick up points

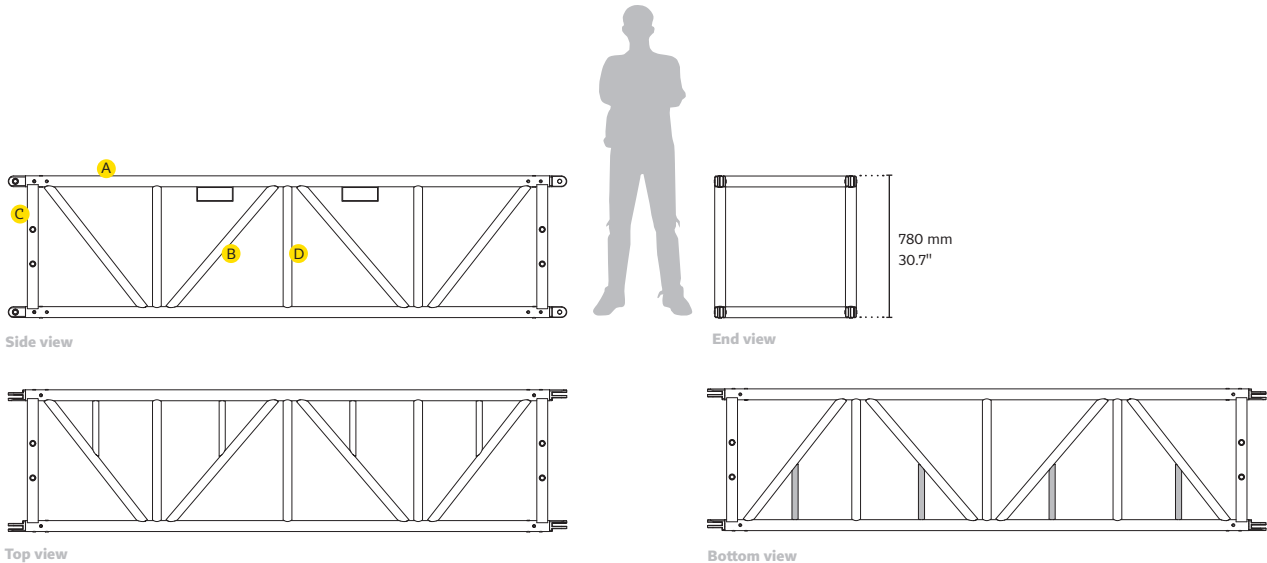
S-M780 Quatro Tower truss section

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

Connection material and packaging are not included in above weights



S-QTQT

LOADING CHART

Steel trusses

Span	m (ft)	7.00 (23.00)	8.00 (26.20)	9.00 (29.50)	10.00 (32.80)	11.00 (36.10)	12.00 (39.40)	13.00 (42.70)
Centre Point Load (CPL)	kg (lbs)	15719.00 (34654.00)	13695.00 (30192.00)	12114.00 (26707.00)	10843.00 (23905.00)	9797.00 (21599.00)	8920.00 (19665.00)	8173.00 (18018.00)
Deflection	mm (in)	15.00 (0.59)	19.00 (0.75)	25.00 (0.98)	30.00 (1.18)	37.00 (1.46)	44.00 (1.73)	52.00 (2.05)
Third Point Load (TPL)	kg (lbs)	9470.00 (20878.00)	9438.00 (20807.00)	9086.00 (20031.00)	8132.00 (17928.00)	7348.00 (16200.00)	6690.00 (14749.00)	6130.00 (13514.00)
Deflection	mm (in)	15.00 (0.59)	23.00 (0.91)	31.00 (1.22)	39.00 (1.54)	47.00 (1.85)	56.00 (2.20)	65.00 (2.56)
Quarter Point Load (QPL)	kg (lbs)	6313.00 (13918.00)	6292.00 (13871.00)	6057.00 (13353.00)	5421.00 (11951.00)	4899.00 (10800.00)	4460.00 (9833.00)	4087.00 (9010.00)
Deflection	mm (in)	14.00 (0.55)	21.00 (0.83)	29.00 (1.14)	36.00 (1.42)	43.00 (1.69)	52.00 (2.05)	61.00 (2.40)
Fifth Point Load (FPL)	kg (lbs)	4735.00 (10439.00)	4719.00 (10404.00)	4703.00 (10368.00)	4518.00 (9960.00)	4082.00 (8999.00)	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	TPL	QPL	FPL	UDL
↓ (Centre Point Load)	↓ ↓ (Third Point Load)	↓ ↓ ↓ (Quarter Point Load)	↓ ↓ ↓ ↓ (Fifth Point Load)	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ (Uniformly Distributed Load)
All truss loading calculations are based on: Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included • Spans made 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 x 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 holes for lateral connections
- Optimised truss design for convenient insertion of lateral truss
- Integrated forklift pick up points, double fork couplers, zinc coated pins and matt black, impact-resistant industrial paint finish



Forklift pick up points

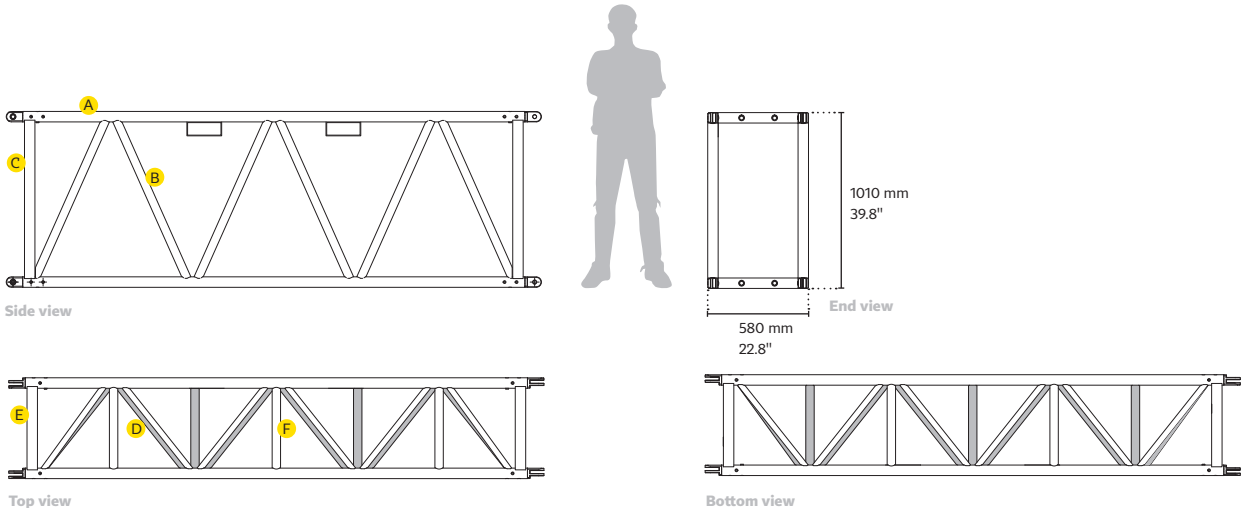
S-M1010 Rectangular truss section

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

Connection material and packaging are not included in above weights



S-RTD

LOADING CHART

Steel trusses

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

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

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

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

Span	m (ft)	38.00 (125.00)	39.00 (128.00)	40.00 (131.00)	41.00 (135.00)	42.00 (138.00)	43.00 (141.00)	45.00 (148.00)
Centre Point Load (CPL)	kg (lbs)	2677.00 (5901.78)	2546.00 (5612.97)	2421.00 (5337.39)	2299.00 (5068.43)	2182.00 (4810.49)	2069.00 (4561.36)	1854.00 (4087.37)
Deflection	mm (in)	369.00 (15.00)	391.00 (15.00)	414.00 (16.00)	438.00 (17.00)	462.00 (18.00)	487.00 (19.00)	540.00 (21.00)
Third Point Load (TPL)	kg (lbs)	2008.00 (4426.88)	1910.00 (4210.83)	1815.00 (4001.39)	1724.00 (3800.77)	1637.00 (3608.97)	1552.00 (3421.57)	1391.00 (3066.63)
Deflection	mm (in)	433.00 (17.00)	456.00 (18.00)	481.00 (19.00)	506.00 (20.00)	532.00 (21.00)	558.00 (22.00)	613.00 (24.00)
Quarter Point Load (QPL)	kg (lbs)	1339.00 (2951.99)	1273.00 (2806.49)	1210.00 (2667.59)	1150.00 (2535.32)	1091.00 (2405.24)	1035.00 (2281.78)	927.00 (2043.69)
Deflection	mm (in)	412.00 (16.00)	435.00 (17.00)	459.00 (18.00)	484.00 (19.00)	509.00 (20.00)	535.00 (21.00)	589.00 (23.00)
Fifth Point Load (FPL)	kg (lbs)	1116.00 (2460.36)	1061.00 (2339.11)	1009.00 (2224.46)	958.00 (2112.03)	909.00 (2004.00)	862.00 (1900.39)	773.00 (1704.17)
Deflection	mm (in)	429.00 (17.00)	452.00 (18.00)	476.00 (19.00)	501.00 (20.00)	527.00 (21.00)	553.00 (22.00)	608.00 (24.00)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	141.00 (94.75)	131.00 (88.03)	121.00 (81.31)	112.00 (75.26)	104.00 (69.88)	96.00 (64.51)	82.00 (55.10)
Deflection	mm (in)	426.00 (16.77)	450.00 (17.7165)	474.00 (18.66138)	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 loadings only • Loads applied in the node points • Self-weight of the truss is included • Spans made of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 1993-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 all loading data should be multiplied by 0.85 • For any other application, or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used – self-weight 1.35 / loading 1.5

S-M1010 Trio

- 1010 x 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 holes for the connection of e.g. wind bracings
- Optimised truss design for convenient insertion of lateral truss
- Integrated forklift pick up points, double fork couplers, zinc coated pins and matt black, impact-resistant industrial paint finish



Fork couplers

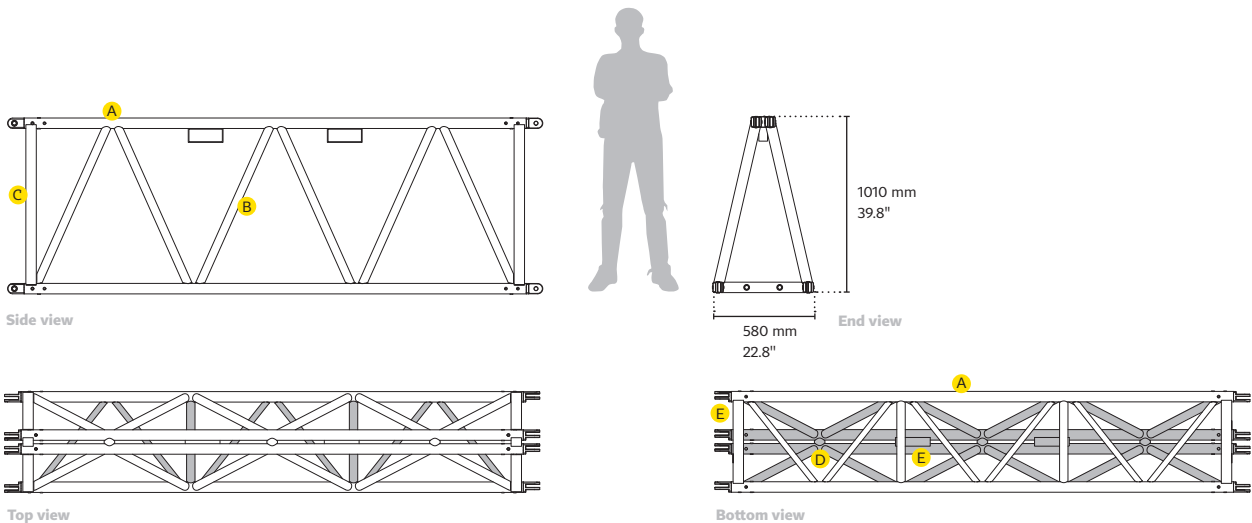
S-M1010 Triangular truss section

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

S-FTD	m	ft	1.00 (3.28)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)	6.00 (19.68)
	kg	lbs	95.00 (209.44)	140.90 (310.63)	159.00 (350.53)	176.70 (389.56)	217.60 (479.73)	258.30 (569.45)	299.00 (659.18)

Connection material and packaging are not included in above weights



S-FTD

LOADING CHART

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 loadings only • Loads applied in the node points • Self-weight of the truss is included • Spans made of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 1993-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 all loading data should be multiplied by 0.85 • For any other application, or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used – self-weight 1.35 / loading 1.5

S-M1450 Rect

- 1451 x 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 22mm holes for lateral connections
- Pinned connectors for increased strength
- Integrated forklift pick up points and ladder tubes
- Zinc-coated pins and matt black, impact resistant industrial paint finish



Forklift pick up points

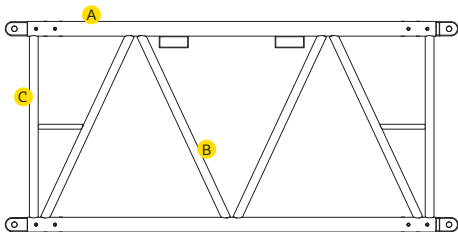
S-M1450 Rectangular truss section

S-RTW	mm in							
		Vertical			Horizontal			
		Main Chords A:	Diagonals B:	End braces C:	Diagonals D:	End braces E:	Intermediate cross braces F:	Pin type:
		101.6 x 4 (4 x 0.16)	60.3 x 4 (24 x 0.16)	60.3 x 4 (24 x 0.16)	48.3 x 3.2 (1.9 x 0.1)	80 x 60 x 4 (3.2 x 24 x 0.16)	48.3 x 3.2 (1.9 x 0.1)	PW

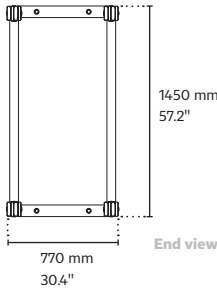
STANDARD LENGTHS AND WEIGHTS AVAILABLE

S-RTW	m	ft	1.00 (3.28)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)	6.00 (19.68)
	kg	lbs	222.40 (490.31)	288.60 (636.25)	310.50 (684.53)	375.30 (827.39)	459.30 (1012.58)	526.50 (1160.73)	593.70 (1308.88)

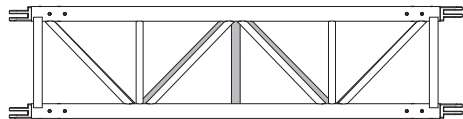
Connection material and packaging are not included in above weights



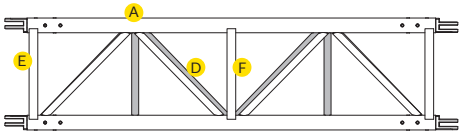
Side view



End view



Top view



Bottom view

S-RTW

LOADING CHART

Steel trusses

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)	10977.00 (31901.00)	10507.00 (23164.00)	10115.00 (22300.00)	9740.00 (21473.00)	9381.00 (20682.00)	9037.00 (19923.00)	8706.00 (19193.00)
Deflection	mm (in)	286.00 (7.17)	303.00 (11.93)	321.00 (12.64)	339.00 (13.35)	358.00 (14.09)	377.00 (14.84)	397.00 (15.63)
Third Point Load (TPL)	kg (lbs)	8188.00 (23927.00)	7880.00 (17372.00)	7586.00 (16724.00)	7305.00 (16105.00)	7036.00 (15512.00)	6778.00 (14943.00)	6529.00 (14394.00)
Deflection	mm (in)	349.00 (8.86)	368.00 (14.49)	389.00 (15.31)	410.00 (16.14)	432.00 (17.01)	454.00 (17.87)	477.00 (18.78)
Quarter Point Load (QPL)	kg (lbs)	5459.00 (15950.00)	5253.00 (11581.00)	5057.00 (11149.00)	4870.00 (10737.00)	4691.00 (10342.00)	4518.00 (9960.00)	4353.00 (9597.00)
Deflection	mm (in)	328.00 (8.31)	347.00 (13.66)	367.00 (14.45)	387.00 (15.24)	408.00 (16.06)	429.00 (16.89)	451.00 (17.76)
Fifth Point Load (FPL)	kg (lbs)	4549.00 (13292.00)	4378.00 (9652.00)	4215.00 (9292.00)	4058.00 (8946.00)	3909.00 (8618.00)	3765.00 (8300.00)	3627.00 (7996.00)
Deflection	mm (in)	345.00 (8.74)	364.00 (14.33)	385.00 (15.16)	405.00 (15.94)	427.00 (16.81)	449.00 (17.68)	472.00 (18.58)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	607.00 (671.00)	568.00 (382.00)	532.00 (357.00)	499.00 (335.00)	469.00 (315.00)	441.00 (296.00)	415.00 (279.00)
Deflection	mm (in)	342.00 (8.70)	362.00 (14.25)	382.00 (15.04)	403.00 (15.87)	424.00 (16.69)	446.00 (17.56)	469.00 (18.46)

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

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

All truss loading calculations are based on:

Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included • Spans made of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 1993-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 all loading data should be multiplied by 0.85 • For any other application, or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used – self-weight 1.35 / loading 1.5

S-M2000 Fold

- 2002 x 772 mm foldable truss for optimised transport and storage, and made from bespoke, high strength steels
- 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 couplers, zinc coated pins and matt black, impact-resistant industrial paint finish



Detail of hinge

S-M2000 Foldable truss section

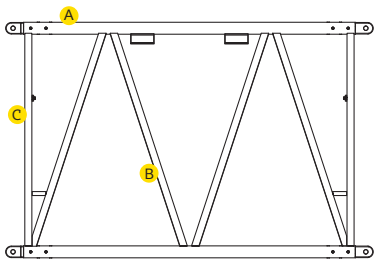
S-FTZ	mm	in	Vertical			Horizontal	
			Main Chords A:	Diagonals B:	End braces C:	Diagonals D:	Pin type:
			101.6 x 4 (4 x 0.16)	60 x 60 x 4 (2.4 x 2.4 x 0.16)	60 x 60 x 4 (2.4 x 2.4 x 0.16)	48.3 x 3.2 (1.9 x 0.1)	PW-FTZ & PW

STANDARD LENGTHS AND WEIGHTS AVAILABLE

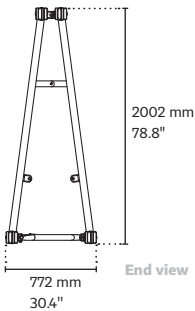
S-FTZ	m	ft	1.00 (3.28)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)	6.00 (19.68)
	kg	lbs	243.20 (536.16)	350.00 (771.62)	387.20 (853.62)	424.30 (935.42)	525.40 (1158.31)	627.10 (1382.52)	728.70 (1606.51)

Connection material and packaging are not included in above weights

In-service

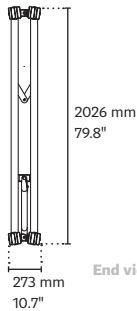


Side view

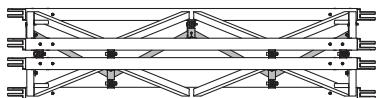
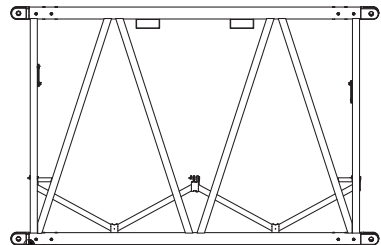


End view

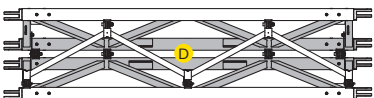
Transport mode



End view



Top view



Bottom view

S-FTZ

LOADING CHART

Steel trusses

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

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

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

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

Span	m (ft)	53.00 (174.00)	54.00 (177.00)	55.00 (180.00)	56.00 (184.00)	57.00 (187.00)	58.00 (190.00)	60.00 (197.00)
Centre Point Load (CPL)	kg (lbs)	9350.00 (20613.23)	9061.00 (19976.09)	8780.00 (19356.59)	8507.00 (18754.73)	8242.00 (18170.50)	7984.00 (17601.71)	7488.00 (16508.22)
Deflection	mm (in)	455.00 (18.00)	474.00 (19.00)	493.00 (19.00)	513.00 (20.00)	533.00 (21.00)	554.00 (22.00)	598.00 (24.00)
Third Point Load (TPL)	kg (lbs)	7012.00 (15458.82)	6795.00 (14980.41)	6585.00 (14577.44)	6380.00 (14065.49)	6181.00 (13626.77)	5988.00 (13201.28)	5616.00 (12381.16)
Deflection	mm (in)	541.00 (21.00)	563.00 (22.00)	584.00 (23.00)	606.00 (24.00)	628.00 (25.00)	651.00 (26.00)	698.00 (27.00)
Quarter Point Load (QPL)	kg (lbs)	4675.00 (10306.61)	4530.00 (9986.94)	4390.00 (9678.29)	4254.00 (9378.47)	4121.00 (9085.25)	3992.00 (8800.86)	3744.00 (8254.11)
Deflection	mm (in)	513.00 (20.00)	534.00 (21.00)	555.00 (22.00)	576.00 (23.00)	598.00 (24.00)	620.00 (24.00)	665.00 (26.00)
Fifth Point Load (FPL)	kg (lbs)	3896.00 (8589.21)	3775.00 (8322.45)	3658.00 (8064.51)	3545.00 (7815.39)	3434.00 (7570.68)	3327.00 (7334.78)	3120.00 (6878.42)
Deflection	mm (in)	536.00 (21.00)	557.00 (22.00)	578.00 (23.00)	600.00 (24.00)	622.00 (24.00)	645.00 (25.00)	692.00 (27.00)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	353.00 (237.21)	336.00 (225.78)	319.00 (214.36)	304.00 (204.28)	289.00 (194.20)	275.00 (184.79)	250.00 (167.99)
Deflection	mm (in)	533.00 (20.98)	554.00 (21.81)	575.00 (22.63)	597.00 (23.50)	619.00 (24.37)	641.00 (25.23)	688.00 (27.08)

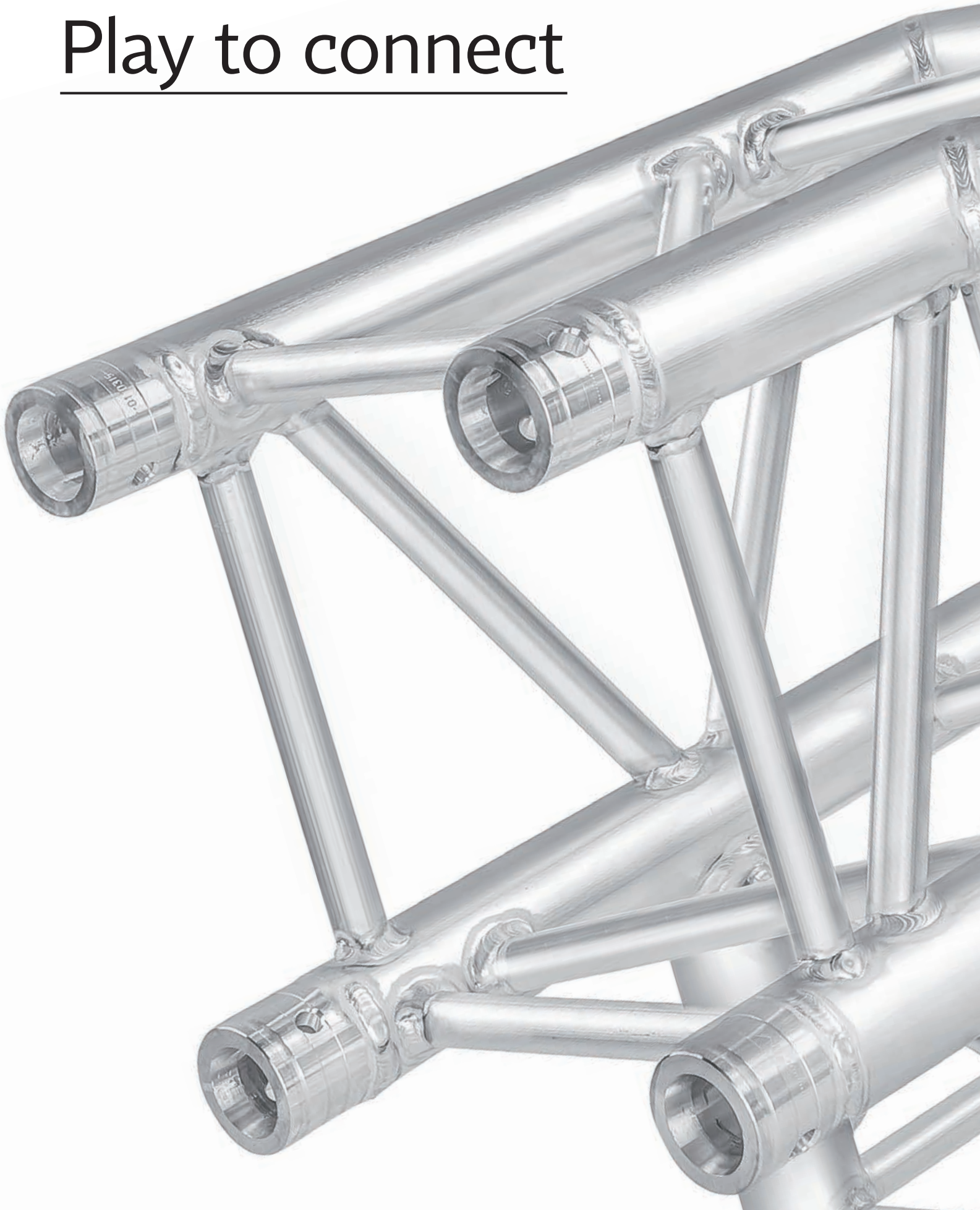
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)
----------------------------	---------------------------	-----------------------------	---------------------------	-------------------------------------

All truss loading calculations are based on:

Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included • Spans made of different truss lengths • Interaction of bending moment and shear force at connector • Structural analysis based on EN 1993-1-1, EN 1993-1-8 and EN 1993-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 all loading data should be multiplied by 0.85 • For any other application, or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used – self-weight 1.35 / loading 1.5

Junctions

Play to connect





Use QR code
for full range

Junctions for

M222 / M290 / M390

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

DUO Straights and junctions

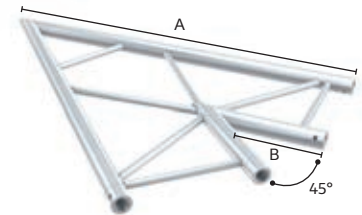


STRAIGHTS

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)

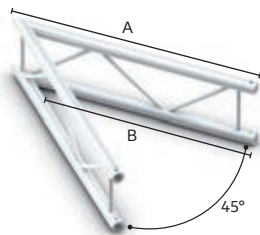
*excluding connection material



2 WAY HORIZONTAL CORNER 45°

Series	Code	A	B	C	kg
M222	HM19 2way45dg	800	264	-	1.8
M290	HB/HV19 2way45dg	1000	300	-	3
M390	HK/HL19 2way45dg	1200	258	-	3.4

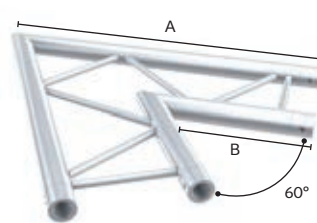
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY VERTICAL CORNER 45°

Series	Code	A	B	C	kg
M222	VM19 2way45dg	800	723	-	1.8
M290	VB/VV19 2way45dg	1000	879	-	3.0
M390	VK/VL19 2way45dg	1200	1079	-	3.4

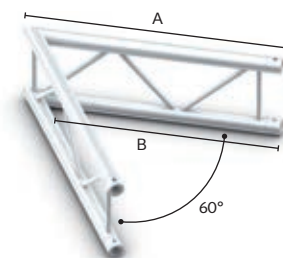
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY HORIZONTAL CORNER 60°

Series	Code	A	B	C	kg
M222	HM20 2way60dg	600	215	-	1.6
M290	HB/HV20 2way60dg	800	298	-	2.8
M390	HK/HL20 2way60dg	1000	325	-	3.4

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

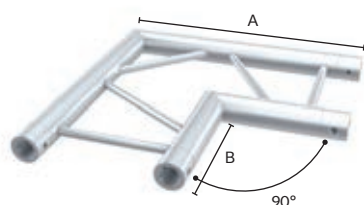


2 WAY VERTICAL CORNER 60°

Series	Code	A	B	C	kg
M222	VM20 2way60dg	600	545	-	1.6
M290	VB/VV20 2way60dg	800	713	-	2.8
M390	VK/VL20 2way60dg	1000	913	-	3.4

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

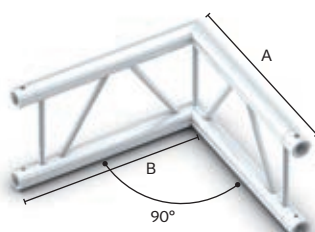
NOTE: M290 / M390 dimensions are same for F & U versions



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

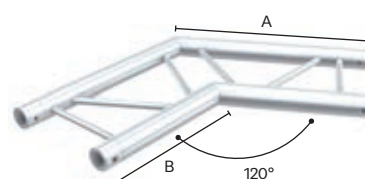
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

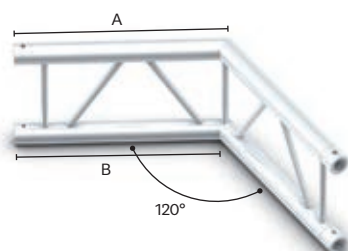
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	HK/HL22 2way120dg	600	375	-	3.0

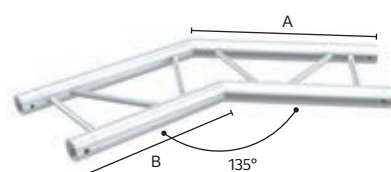
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY VERTICAL CORNER 120°

Series	Code	A	B	C	kg
M222	VM22 2way120dg	400	382	-	1.6
M290	VB/VV22 2way120dg	500	471	-	2.4
M390	VK/VL22 2way120dg	600	571	-	3.0

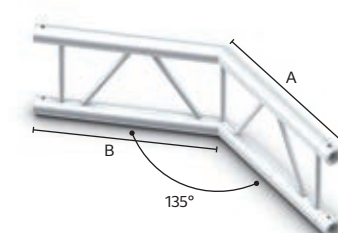
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	HK/HL23 2way135dg	600	438	-	3.0

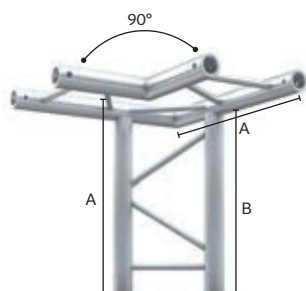
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	VK/VL23 2way135dg	600	579	-	3.0

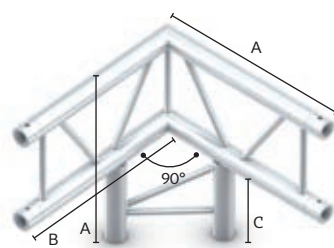
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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	-	2.4
M390	HK/HL31 3way90dg	600	550	-	2.4

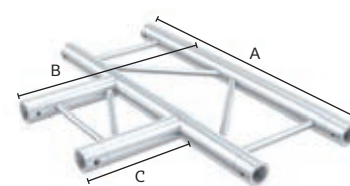
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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	2.4
M390	VK/VL31 3way90dg	600	550	210	2.4

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

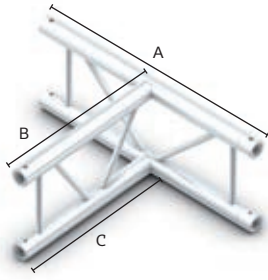


3 WAY HORIZONTAL T-PIECE

Series	Code	A	B	C	kg
M222	HM35 3wayT	578	400	178	1.6
M290	HB/HV35 3wayT	710	500	210	2.4
M290	HU35 3wayT	500	500	210	3.4
M390	HK/HL35 3wayT	810	600	210	4.8

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

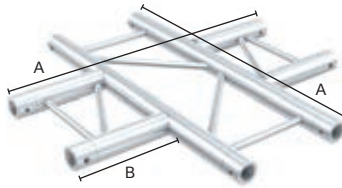
NOTE : M290 / M390 dimensions are same for F & U versions



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
M390	VK/VL36 3wayT	810	600	550	4.8

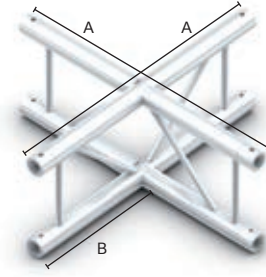
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	HK/HL41 4way	810	210	-	4.8

To calculate inches and pounds (mm / 25.4 = 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
M390	VK/VL41 4way	810	380	-	4.8

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

TRIO Straights and junctions

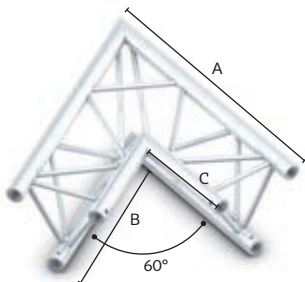


STRAIGHTS

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)

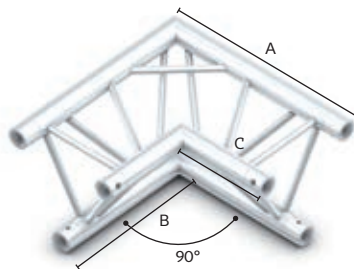
*excluding connection material



2 WAY CORNER 60°

Series	Code	A	B	C	kg
M222	ACM20 2way60dg	600	380	215	2.3
M290	ACB/ACV20 2way60dg	800	506	298	5.5
M390	ACK/ACL20 2way60dg	1000	619	324	6.9

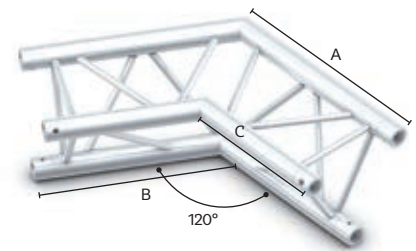
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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 (mm / 25.4 = inch)
(kg × 2.204 = lbs)

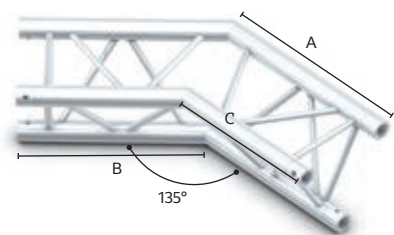


2 WAY CORNER 120°

Series	Code	A	B	C	kg
M222	ACM22 2way120dg	400	327	272	2.3
M290	ACB/ACV22 2way120dg	500	402	333	4.8
M390	ACK/ACL22 2way120dg	600	473	375	5.4

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

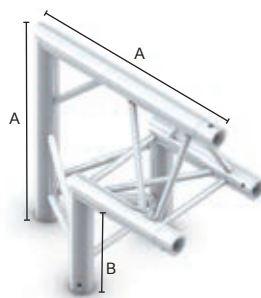
NOTE: M290 / M390 dimensions are same for F & U versions



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
M390	ACK/ACL23 2way135dg	600	509	438	5.4

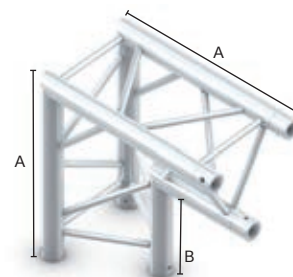
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	ACK/ACL24 2way90dg	600	256	-	5.2

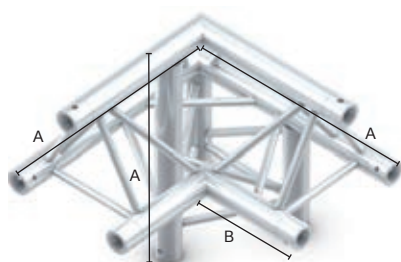
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	ACK/ACL25 2way90dg	600	256	-	5.2

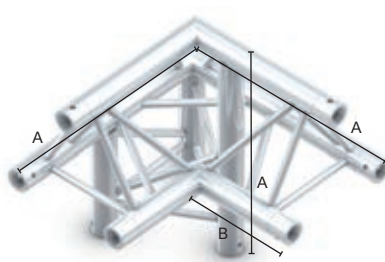
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	ALK/ALL31 3way90dg	600	210	-	8.1

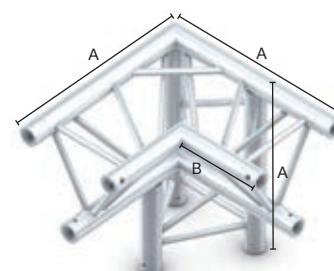
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	ALK/ALL32 3way90dg	600	210	-	8.1

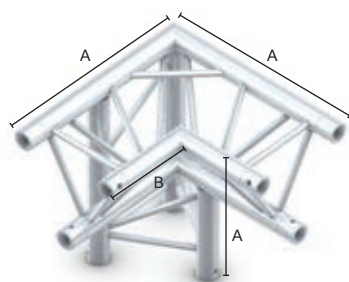
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	ALK/ALL33 3way90dg	600	210	-	8.1

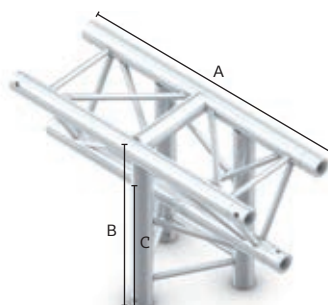
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	ALK/ALL34 3way90dg	600	210	-	8.1

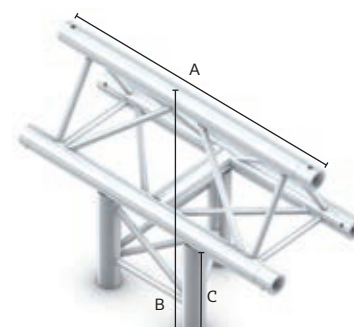
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	ATK/ATL35 3wayT	810	600	256	8.1

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

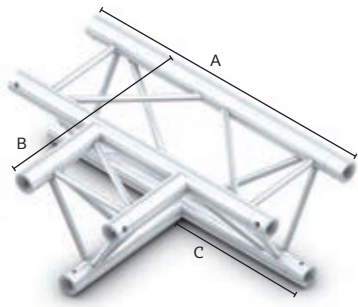


3 WAY VERTICAL T-PIECE APEX UP

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
M390	ATK/ATL35B 3wayT	810	600	256	8.1

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

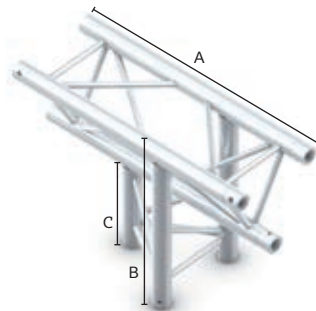
NOTE : M290 / M390 dimensions are same for F & U versions



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

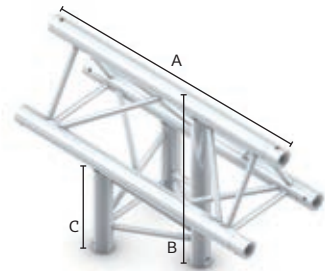
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	ATK/ATL37 3wayT	855	600	256	8.3

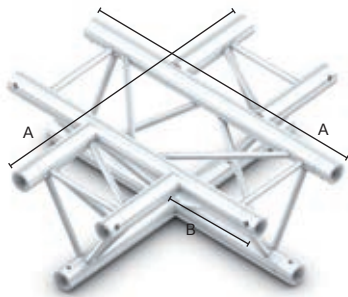
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	ATK/ATL37B 3wayT	855	600	256	8.3

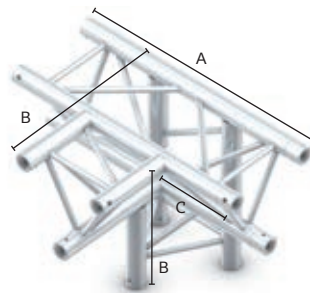
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	ACK/ACL41 4way	810	210	-	11.2

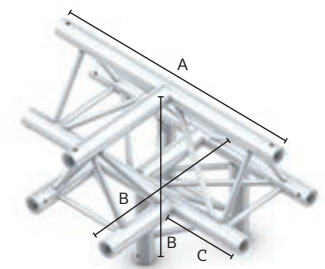
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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
M390	ATK/ATL42 4wayT	810	600	380	11.2

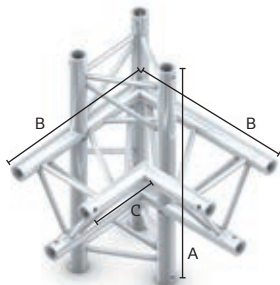
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY T-PIECE APEX UP

Series	Code	A	B	C	kg
M222	ATM43 4wayT	578	400	178	3.5
M290	ATB/ATV43 4wayT	710	500	210	9.6
M290	ATUU43 4wayT	500	500	210	6.0
M390	ATK/ATL43 4wayT	810	600	210	11.2

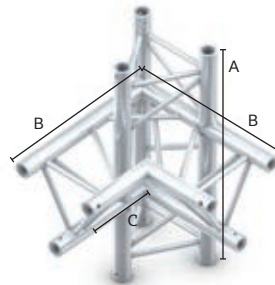
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CORNER 90° RIGHT

Series	Code	A	B	C	kg
M222	ACM44 4way90dg	603.5	400	273	3.5
M290	ACB/ACV44 4way90dg	742	500	330	9.6
M290	ACUU44 4way90dg	500	500	330	5.9
M390	ACK/ACL44 4way90dg	855	600	380	11.2

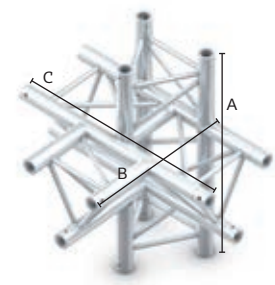
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CORNER 90° LEFT

Series	Code	A	B	C	kg
M222	ACM45 4way90dg	603.5	400	273	3.5
M290	ACB/ACV45 4way90dg	742	500	330	9.6
M290	ACUU45 4way90dg	500	500	330	5.9
M390	ACK/ACL45 4way90dg	855	600	380	11.2

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

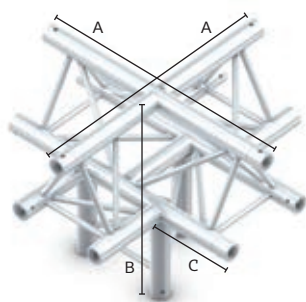


5 WAY T-PIECE

Series	Code	A	B	C	kg
M222	ATM51 5wayT	603.5	400	578	3.8
M290	ATB/ATV51 5wayT	742	500	710	12
M290	ATUU51 5wayT	500	500	710	6.5
M390	ATK/ATL51 5wayT	855	600	810	14

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

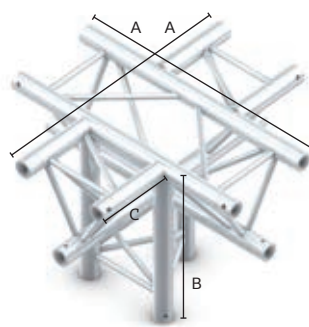
NOTE : M290 / M390 dimensions are same for F & U versions



5 WAY CROSS DOWN LEG APEX UP

Series	Code	A	B	C	kg
M222	ACM52 5way	578	400	178	3.8
M290	ACB/ACV52 5way	710	500	210	12
M290	ACUU52 5way	500	500	210	6.2
M390	ACK/ACL52 5way	810	600	210	14

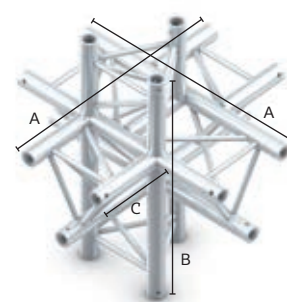
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



5 WAY CROSS DOWN LEG APEX DOWN

Series	Code	A	B	C	kg
M222	ACM53 5way	578	400	178	3.8
M290	ACB/ACV53 5way	710	500	210	12
M290	ACUU53 5way	500	500	210	6.4
M390	ACK/ACL53 5way	810	600	210	14

To calculate inches and pounds (mm / 25.4 = 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	ACB/ACV61 6wayT	710	742	210	14.4
M290	ACUU61 6wayT	500	742	210	6.9
M390	ACK/ACL61 6wayT	810	855	210	16

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

QUATRO Straights and junctions

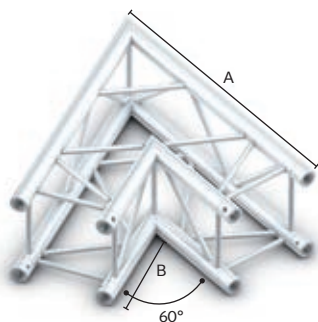


STRAIGHTS

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)

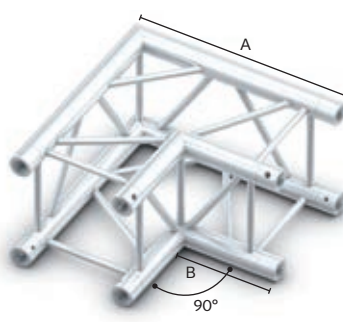
*excluding connection material



2 WAY CORNER 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

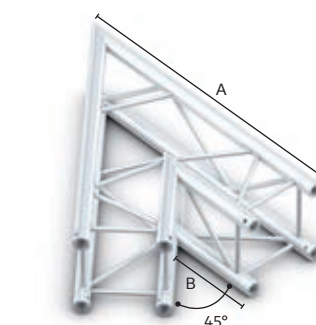
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

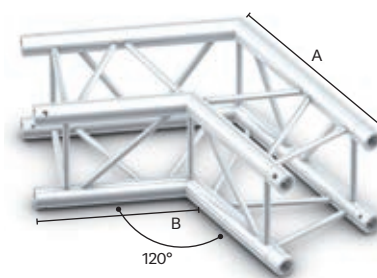
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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 (mm / 25.4 = inch)
(kg × 2.204 = lbs)

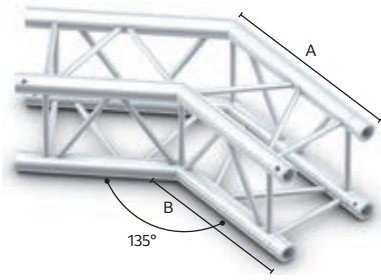


2 WAY CORNER 120°

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 (mm / 25.4 = inch)
(kg × 2.204 = lbs)

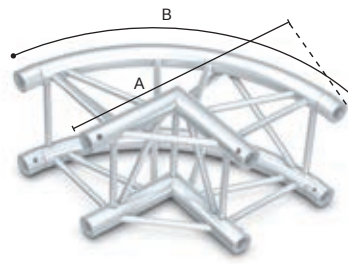
NOTE : M290 / M390 dimensions are same for F & U versions



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

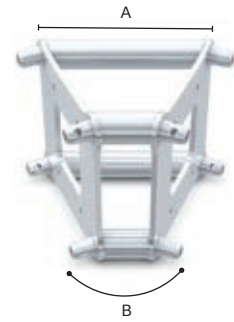
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CURVED CORNER 90°

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

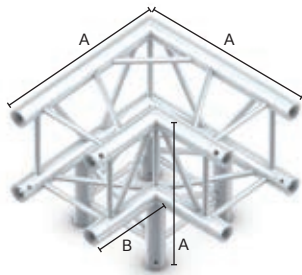
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY VERTICAL CORNER - NON WELDED

Series	Code	A	B	C	kg
M290	QCB120dgMC	360	120°	-	9.1
M290	QCB135dgMC	290	135°	-	8.4
M290	QCB150dgMC	218	150°	-	7.6

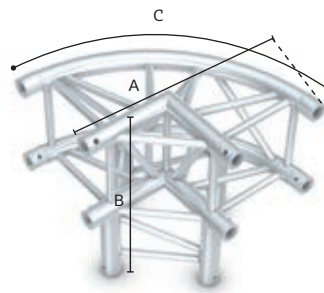
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

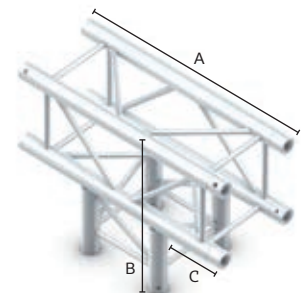
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CURVED CORNER 90°

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

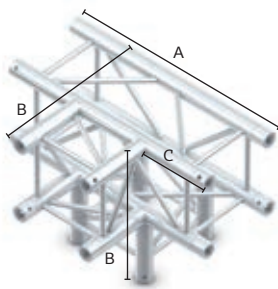
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY T-PIECE

Series	Code	A	B	C	kg
M222	QTM35 3wayT	578	400	179	4.0
M290	QTB/QTU35 3wayT	710	500	210	9.6
M290	QTU35 3wayT	500	500	210	5.5
M390	QTK/QLT35 3wayT	810	600	210	11.2

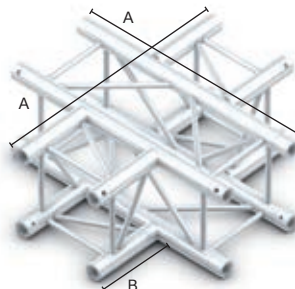
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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	QLU40 4wayT	500	500	210	7.2
M390	QLK/QLL40 4wayT	810	600	210	14.4

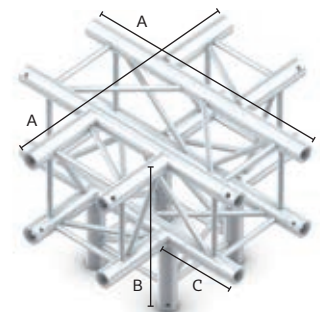
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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	QCU41 4way	500	210	-	7.2
M390	QCK/QCL41 4way	810	210	-	14.4

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

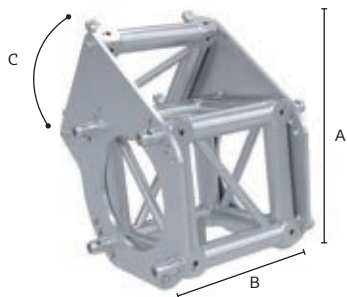


5 WAY CROSS DOWN LEG

Series	Code	A	B	C	kg
M222	QCM51 5way	578	400	179	4.9
M290	QCB/QCV51 5way	710	500	210	16.2
M290	QCU51 5way	500	500	210	7.7
M390	QCK/QCL51 5way	810	600	210	18.1

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

NOTE: M290 / M390 dimensions are same for F & U versions



VARIO CORNER

Series	Code	A	B	C	kg
M290	MR1-VC30B-22°	462	311	22°	16.6
M290	MR1-VC30B-30°	488	311	30°	16.6
M290	MR1-VC30B-40°	513	311	40°	16.6
M290	MR1-VC30B-50°	554	311	50°	16.6

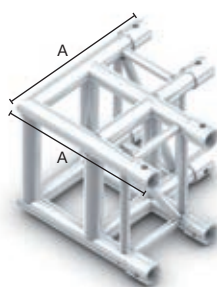
Vario corner for different angles, incl. 12x half male connectors
To calculate inches and pounds (mm / 25.4 = inch)
(kg x 2.204 = lbs)



Junctions for

M400 / M520

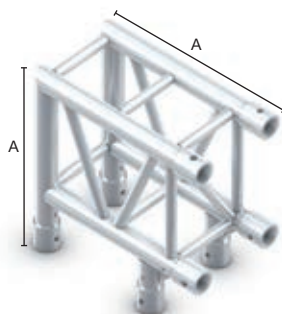
- Fast connection for quick, simple and secure assembly
- Compatible with 200/400/500/600 series cell clamps
- Powder coat colour finish available on request
- Connection kit supplied with every truss junction



2 WAY CORNER 90°

Series	Code	A	B	C	kg
M400	RCO21 2way90dg	433	-	-	10.8

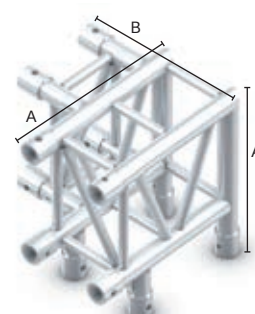
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90°

Series	Code	A	B	C	kg
M400	RCO24 2way90dg	479	-	-	10.8

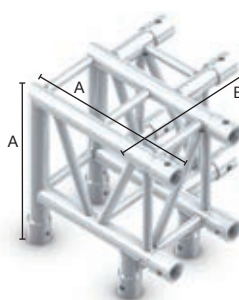
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CORNER 90°

Series	Code	A	B	C	kg
M400	RLO31 3way90dg	479	433	-	11.9

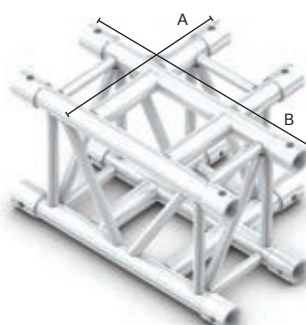
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CORNER 90°

Series	Code	A	B	C	kg
M400	RLO32 3way90dg	479	433	-	11.9

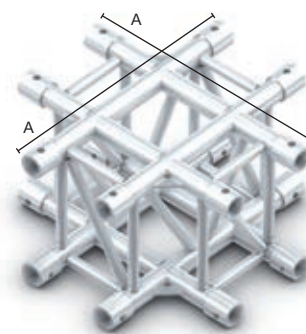
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY T-PIECE

Series	Code	A	B	C	kg
M400	RTO35 3wayT	433	600	-	11.9

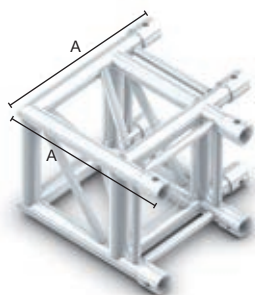
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CROSS PIECE

Series	Code	A	B	C	kg
M400	RCO41 4way	600	-	-	16.8

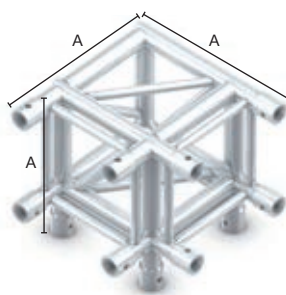
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90°

Series	Code	A	B	C	kg
M400	QCO21 2way90dg	479	-	-	11.66

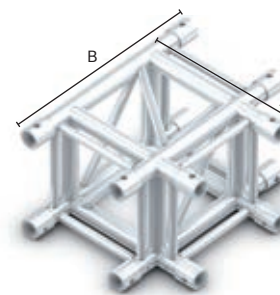
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CORNER 90°

Series	Code	A	B	C	kg
M400	QLO30 3way90dg	479	-	-	12.9

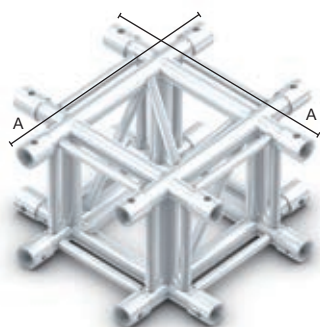
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY T-PIECE

Series	Code	A	B	C	kg
M400	QTO35 3wayT	479	600	-	12.9

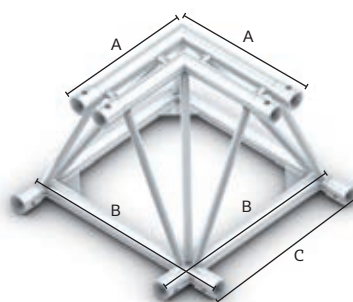
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CROSS PIECE

Series	Code	A	B	C	kg
M400	QCO41 4way	600	-	-	18

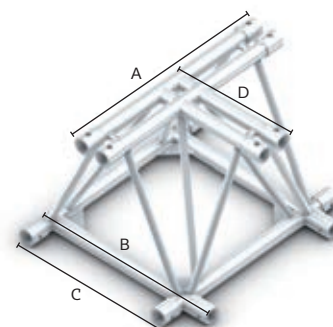
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90°

Series	Code	A	B	C	kg
M520	FCP21 2way90dg	439	660	579	15.17

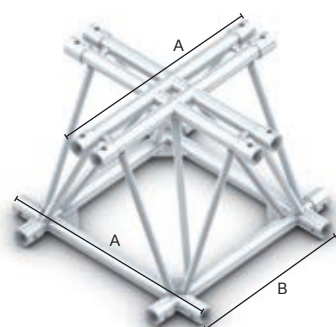
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY T-PIECE

Series	Code	A	B	C	D	kg
M520	FTP35 3wayT	740	660	579	439	16.77

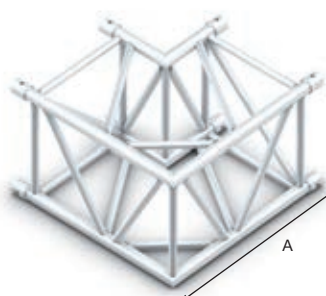
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CROSS PIECE

Series	Code	A	B	C	kg
M520	FCP41 4way	740	579	-	21.84

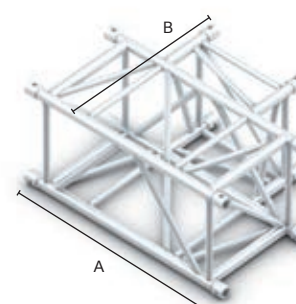
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90°

Series	Code	A	B	C	kg
M520	QCP21 2way90dg	800	-	-	17.0

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



3 WAY T-PIECE

Series	Code	A	B	C	kg
M520	QTP35 3wayT	1080	800	-	24.0

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



Multicubes

and Bookcorners

Connected

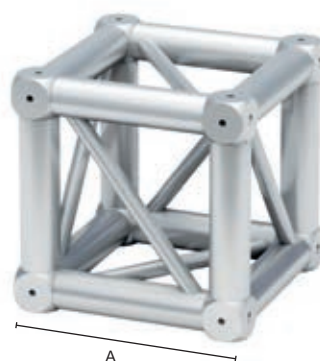


Use QR code
for full range

Multicubes and Bookcorners for M222 – M950

- The perfect solution for production house stock inventory
- Integrated location holes for quick set-up & re-configuration
- Light, regular & heavy-duty versions available (M290 / M390 only)

- Heavy-duty cubes enable maximum loading capacity from your trusses
- Male & female receiver accessories available
- Flexible use
- Profiled tube with thread



Heavy-Duty



Regular

MULTICUBE FOR M222 QUATRO SERIES

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

Suitable fittings: CON85M|FemalePin or CON77M|MalePin

MULTICUBE FOR M290 QUATRO SERIES

Series	Code	mm	in	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)	

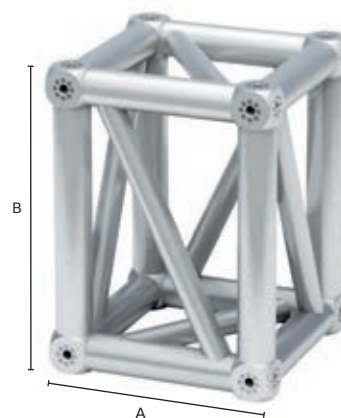
Suitable fittings: CON63B|MalePin or CON64B|FemalePin



Heavy-Duty



Regular



MULTICUBE FOR M390 QUATRO SERIES

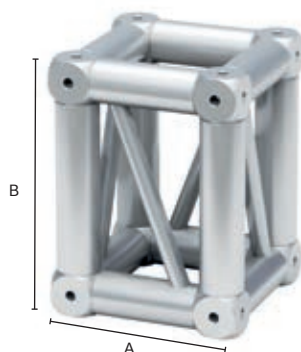
Series	Code	mm	in	A	B	kg	lbs
M390	QC-M390K			388.4 (15.29)	-	6.0 (12.25)	
M390	QC-M390K-HD			388.4 (15.29)	-	11.1 (24.47)	

Suitable fittings: CON63B|MalePin or CON64B|FemalePin

MULTICUBE FOR M290X390 RECT SERIES

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

Suitable fittings: CON63B|MalePin or CON64B|FemalePin



MULTICUBE FOR M400 RECT SERIES

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

Suitable fittings: CON470|Female



MULTICUBE FOR M400 QUATRO SERIES

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

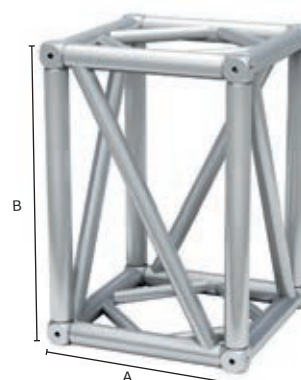
Suitable fittings: CON470|Female



MULTICUBE FOR M520 QUATRO SERIES

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

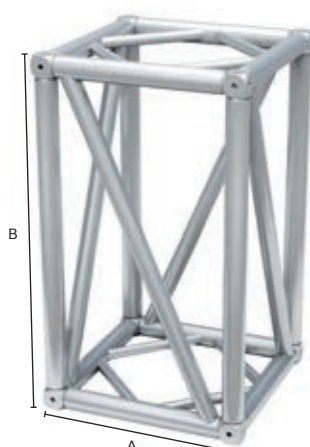
Suitable fittings: CON470|Female



MULTICUBE FOR M760 RECT SERIES

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

Suitable fittings: CON470|Female



MULTICUBE FOR M950 RECT SERIES

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

Suitable fittings: CON470|Female

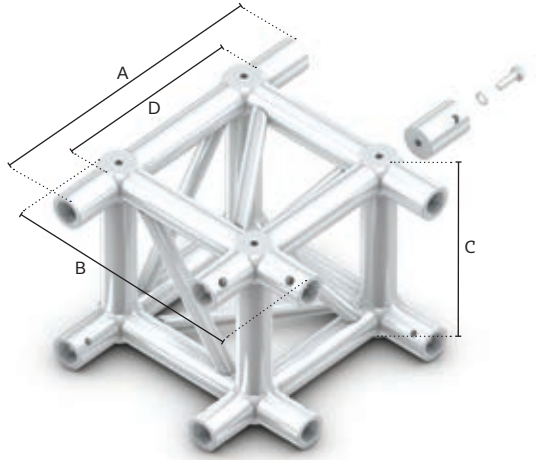


QBB1|M290BC

Bookcorner for M290 series

Series	kg	lbs
M290	6.15	(13.55)

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

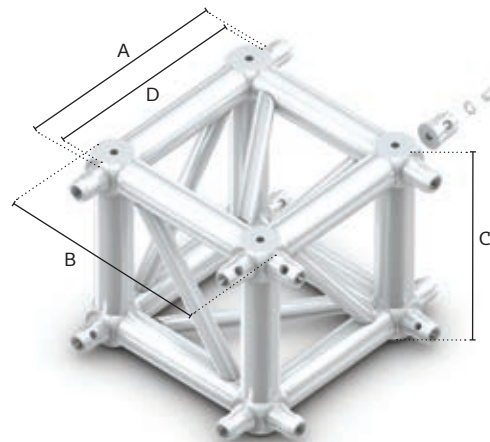


DIMENSIONS - FOR FEMALE CONNECTOR USE

Cube type		A	B	C	D
M222	mm in	322.0 (12.68)	272.0 (10.71)	222.0 (8.74)	222.0 (8.74)
M290		439.2 (17.29)	364.2 (14.34)	289.2 (11.39)	289.2 (11.39)
M390		538.4 (21.20)	463.4 (18.24)	388.4 (15.29)	388.4 (15.29)
M290x390		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 (7.52)	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	M10x25 ALLEN	d10.2/18.1	50.0 (1.97)
M290	CON64B FemalePin	B Multicube-K6x10	M12x35 HEX	d12.2/21	75.0 (2.95)
M390	CON64F FemalePin	F Multicube-K6x10	M12x35 HEX	d12.2/21	75.0 (2.95)
M290x390	CON64U FemalePin	U Multicube-K6x10	M12x35 HEX	d12.2/21	75.0 (2.95)
M400	CON470 Female	O Multicube	M16x40 HEX	d16.2/27.4	90.0 (3.54)
M520					
M760					
M950					

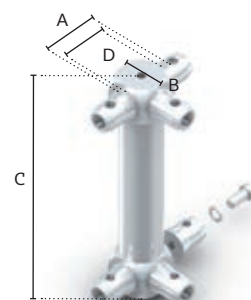
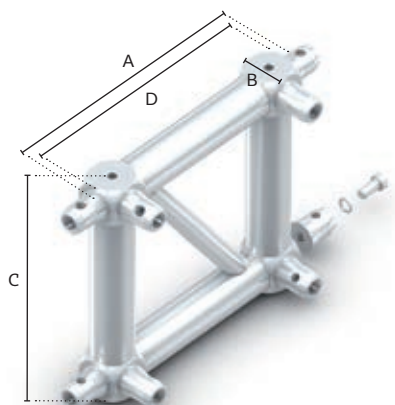


DIMENSIONS - FOR MALE HALF CONNECTOR USE

Cube type		A	B	C	D
M222	mm in	224.0 (8.82)	223.0 (8.78)	222.0 (8.74)	222.0 (8.74)
M290		291.2 (11.46)	290.2 (11.43)	289.2 (11.39)	289.2 (11.39)
M390		390.4 (15.37)	389.4 (15.33)	388.4 (15.29)	388.4 (15.29)
M290x390		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	M10x16 ALLEN; 8.8	d10.2/16	1.0 (0.04)
M290	CON63B MalePin	BM/D12-steel-K6x10	M12x25 ALLEN; 10.9	d12.2/18	1.0 (0.04)
M390	CON63F MalePin	FM/D12-steel-K6x10	M12x25 ALLEN; 10.9	d12.2/18	1.0 (0.04)
M290x390	CON63U MalePin	UM/D12-steel-K6x10	M12x25 ALLEN; 10.9	d12.2/18	1.0 (0.04)



DIMENSIONS - FOR MALE CONNECTOR USE - TYPE QC/BC

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

DIMENSIONS - FOR MALE CONNECTOR USE - TYPE BC

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

MALE HALF CONNECTORS

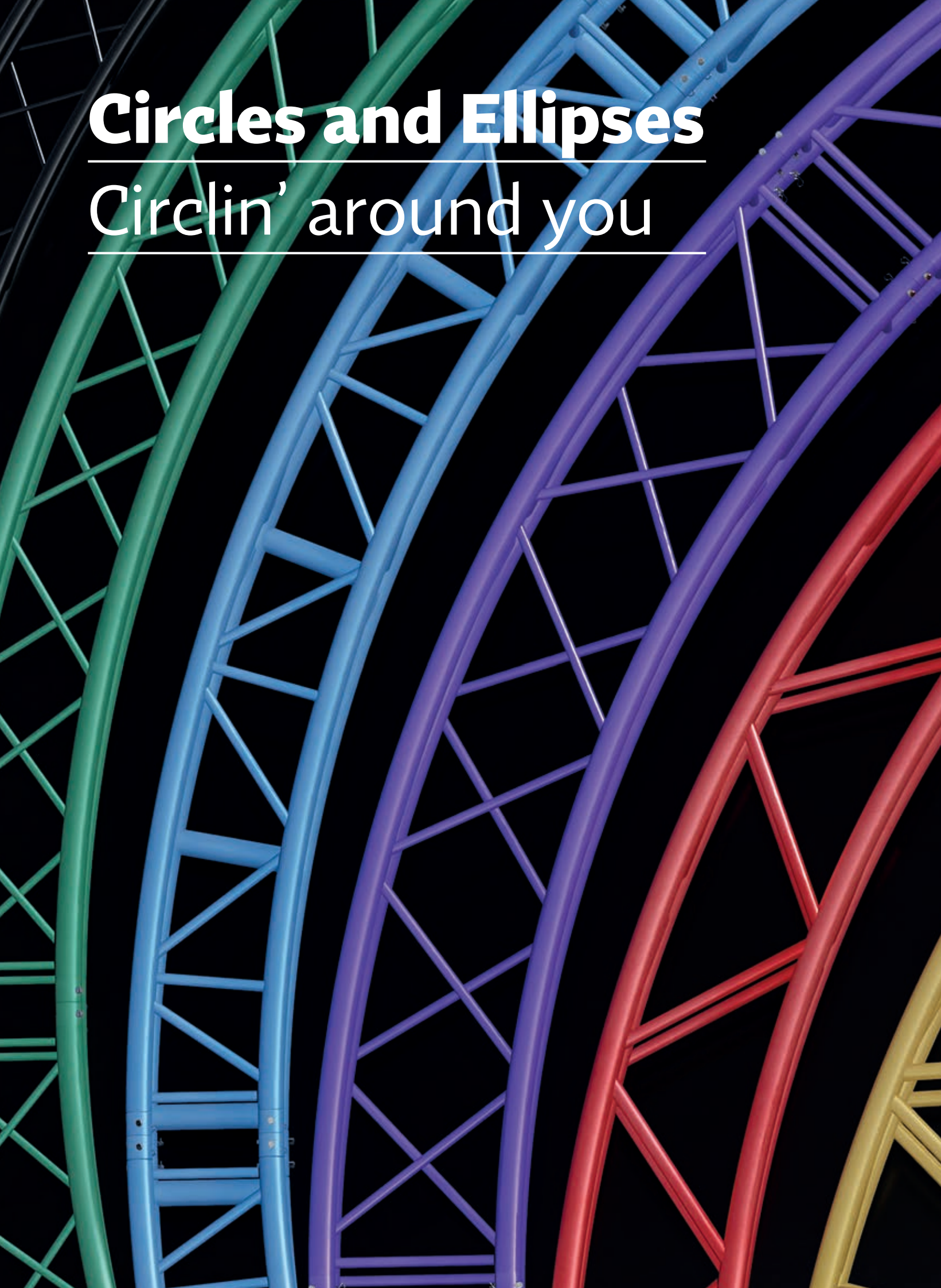
Cube type	CON code	Male connector	Bolt	Washer		Shoulder length
M222	CON62	MM-D10-steel	M10x16 ALLEN; 8.8	d10.2/16	mm in	1.0 (0.04)
M290	CON63B MalePin	BM/D12-steel-K6x10	M12x25 ALLEN; 10.9	d12.2/18		1.0 (0.04)
M390	CON63F MalePin	FM/D12-steel-K6x10	M12x25 ALLEN; 10.9	d12.2/18		1.0 (0.04)

NOTE:

Female and male connectors supplied separate 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 and Ellipses

Circlin' around you





Use QR code
for full range

Circles and Ellipses

- Curved profiles add bespoke style to any area or exhibit
- Precision CNC rolling process to create any radius from 750mm upwards
- Fast connection for quick, simple and secure assembly
- Powder coat colour finish available on request
- No maximum diameter limit
- Minimum diameter is 1.4m (4.6')
- Longest curved segment is 3.2m (10.5')
- Increments of four (4) allow the most reconfiguration flexibility. This also allows a circle to be used complete, as 1/4, 1/2, 3/4 or together with standard straight truss and junctions.
- Multiple choices for segment configuration



STANDARD DUO TRUSS CIRCLES IN HORIZONTAL POSITION

Series	CON code	Outer diameter	Segments
M222	CrBTMd2000 4/4 h	D 2m (6.56')	4
M222	CrBTMd3000 4/4 h	D 3m (9.84')	4
M222	CrBTMd4000 4/4 h	D 4m (13.12')	4
M222	CrBTMd5000 8/8 h	D 5m (16.40')	8
M222	CrBTMd6000 8/8 h	D 6m (19.69')	8
M290	CrBTBd3000 4/4 h	D 3m (9.84')	4
M290	CrBTBd4000 4/4 h	D 4m (13.12')	4
M290	CrBTBd5000 8/8 h	D 5m (16.40')	8
M290	CrBTBd6000 8/8 h	D 6m (19.69')	8
M290	CrBTBd8000 8/8 h	D 8m (26.25')	8
M390	CrBTKd4000 4/4 h	D 4m (13.12')	4
M390	CrBTKd5000 8/8 h	D 5m (16.40')	8
M390	CrBTKd6000 8/8 h	D 6m (19.69')	8
M390	CrBTKd8000 8/8 h	D 8m (26.25')	8
M390	CrBTKd10000 12/12 h	D 10m (32.81')	12



STANDARD DUO TRUSS CIRCLES IN VERTICAL POSITION

Series	CON code	Outer diameter	Segments
M222	CrBTMd2000 4/4 v	D 2m (6.56')	4
M222	CrBTMd3000 4/4 v	D 3m (9.84')	4
M222	CrBTMd4000 4/4 v	D 4m (13.12')	4
M222	CrBTMd5000 8/8 v	D 5m (16.40')	8
M222	CrBTMd6000 8/8 v	D 6m (19.69')	8
M290	CrBTBd3000 4/4 v	D 3m (9.84')	4
M290	CrBTBd4000 4/4 v	D 4m (13.12')	4
M290	CrBTBd5000 8/8 v	D 5m (16.40')	8
M290	CrBTBd6000 8/8 v	D 6m (19.69')	8
M290	CrBTBd8000 8/8 v	D 8m (26.25')	8
M390	CrBTKd4000 4/4 v	D 4m (13.12')	4
M390	CrBTKd5000 8/8 v	D 5m (16.40')	8
M390	CrBTKd6000 8/8 v	D 6m (19.69')	8
M390	CrBTKd8000 8/8 v	D 8m (26.25')	8
M390	CrBTKd10000 12/12 v	D 10m (32.81')	12

NOTE:

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

STANDARD TRIO TRUSS CIRCLES IN APEX IN POSITION

Series	CON code	Outer diameter	Segments
M222	CrSTMd2000 4/4 in	D 2m (6.56')	4
M222	CrSTMd3000 4/4 in	D 3m (9.84')	4
M222	CrSTMd4000 4/4 in	D 4m (13.12')	4
M222	CrSTMd5000 8/8 in	D 5m (16.40')	8
M222	CrSTMd6000 8/8 in	D 6m (19.69')	8
M290	CrSTBd3000 4/4 in	D 3m (9.84')	4
M290	CrSTBd4000 4/4 in	D 4m (13.12')	4
M290	CrSTBd5000 8/8 in	D 5m (16.40')	8
M290	CrSTBd6000 8/8 in	D 6m (19.69')	8
M290	CrSTBd8000 8/8 in	D 8m (26.25')	8
M390	CrSTKd4000 4/4 in	D 4m (13.12')	4
M390	CrSTKd5000 8/8 in	D 5m (16.40')	8
M390	CrSTKd6000 8/8 in	D 6m (19.69')	8
M390	CrSTKd8000 8/8 in	D 8m (26.25')	8
M390	CrSTKd10000 12/12 in	D 10m (32.81')	12

STANDARD TRIO TRUSS CIRCLES IN APEX DOWN/UP POSITION

Series	CON code	Outer diameter	Segments
M222	CrSTMd2000 4/4 ud	D 2m (6.56')	4
M222	CrSTMd3000 4/4 ud	D 3m (9.84')	4
M222	CrSTMd4000 4/4 ud	D 4m (13.12')	4
M222	CrSTMd5000 8/8 ud	D 5m (16.40')	8
M222	CrSTMd6000 8/8 ud	D 6m (19.69')	8
M290	CrSTBd3000 4/4 ud	D 3m (9.84')	4
M290	CrSTBd4000 4/4 ud	D 4m (13.12')	4
M290	CrSTBd5000 8/8 ud	D 5m (16.40')	8
M290	CrSTBd6000 8/8 ud	D 6m (19.69')	8
M290	CrSTBd8000 8/8 ud	D 8m (26.25')	8
M390	CrSTKd4000 4/4 ud	D 4m (13.12')	4
M390	CrSTKd5000 8/8 ud	D 5m (16.40')	8
M390	CrSTKd6000 8/8 ud	D 6m (19.69')	8
M390	CrSTKd8000 8/8 ud	D 8m (26.25')	8
M390	CrSTKd10000 12/12 ud	D 10m (32.81')	12

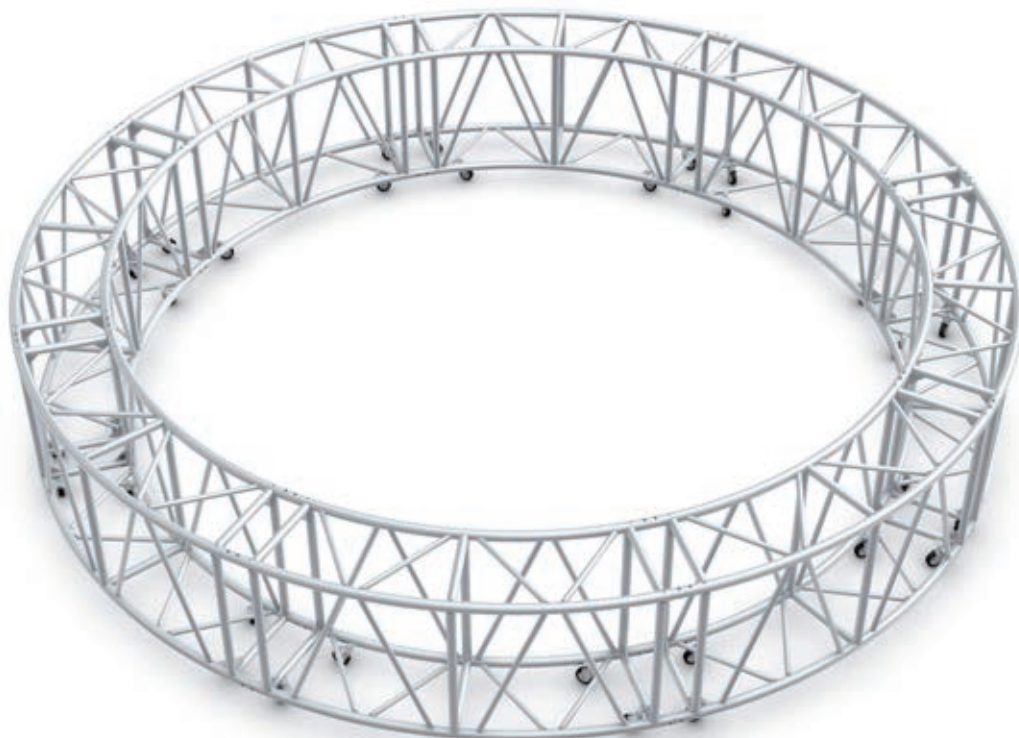
STANDARD TRIO TRUSS CIRCLES IN APEX OUT POSITION

Series	CON code	Outer diameter	Segments
M222	CrSTMd2000 4/4 out	D 2m (6.56')	4
M222	CrSTMd3000 4/4 out	D 3m (9.84')	4
M222	CrSTMd4000 4/4 out	D 4m (13.12')	4
M222	CrSTMd5000 8/8 out	D 5m (16.40')	8
M222	CrSTMd6000 8/8 out	D 6m (19.69')	8
M290	CrSTBd3000 4/4 out	D 3m (9.84')	4
M290	CrSTBd4000 4/4 out	D 4m (13.12')	4
M290	CrSTBd5000 8/8 out	D 5m (16.40')	8
M290	CrSTBd6000 8/8 out	D 6m (19.69')	8
M290	CrSTBd8000 8/8 out	D 8m (26.25')	8
M390	CrSTKd4000 4/4 out	D 4m (13.12')	4
M390	CrSTKd5000 8/8 out	D 5m (16.40')	8
M390	CrSTKd6000 8/8 out	D 6m (19.69')	8
M390	CrSTKd8000 8/8 out	D 8m (26.25')	8
M390	CrSTKd10000 12/12 out	D 10m (32.81')	12



STANDARD QUATRO TRUSS CIRCLES

Series	CON code	Outer diameter	Segments
M222	CrQTMd2000 4/4	D 2m (6.56')	4
M222	CrQTMd3000 4/4	D 3m (9.84')	4
M222	CrQTMd4000 4/4	D 4m (13.12')	4
M222	CrQTMd5000 8/8	D 5m (16.40')	8
M222	CrQTMd6000 8/8	D 6m (19.69')	8
M290	CrQTBd3000 4/4	D 3m (9.84')	4
M290	CrQTBd4000 4/4	D 4m (13.12')	4
M290	CrQTBd5000 8/8	D 5m (16.40')	8
M290	CrQTBd6000 8/8	D 6m (19.69')	8
M290	CrQTBd8000 8/8	D 8m (26.25')	8
M390	CrQTKd4000 4/4	D 4m (13.12')	4
M390	CrQTKd5000 8/8	D 5m (16.40')	8
M390	CrQTKd6000 8/8	D 6m (19.69')	8
M390	CrQTKd8000 8/8	D 8m (26.25')	8
M390	CrQTKd10000 12/12	D 10m (32.81')	12
M290x390 RECT	CrRTLd4000 4/4	D 4m (13.12')	4
M290x390 RECT	CrRTLd5000 8/8	D 5m (16.40')	8
M290x390 RECT	CrRTLd6000 8/8	D 6m (19.69')	8
M290x390 RECT	CrRTLd8000 8/8	D 8m (26.25')	8
M290x390 RECT	CrRTLd10000 12/12	D 10m (32.81')	12
M400 RECT	CrRTOd6000 8/8	D 6m (19.69')	8
M400 RECT	CrRTOd8000 8/8	D 8m (26.25')	8
M400 RECT	CrRTOd10000 12/12	D 10m (32.81')	12
M400 RECT	CrRTOd12000 12/12	D 12m (39.37')	12
M400 RECT	CrRTOd14000 16/16	D 14m (45.93')	16
M400	CrQTOd6000 8/8	D 6m (19.69')	8
M400	CrQTOd8000 8/8	D 8m (26.25')	8
M400	CrQTOd10000 12/12	D 10m (32.81')	12
M400	CrQTOd12000 12/12	D 12m (39.37')	12
M400	CrQTOd14000 16/16	D 14m (45.93')	16
M520	CrQTPd8000 8/8	D 8m (26.25')	8
M520	CrQTPd10000 12/12	D 10m (32.81')	12
M520	CrQTPd12000 12/12	D 12m (39.37')	12
M520	CrQTPd14000 16/16	D 14m (45.93')	16
M520	CrQTPd16000 16/16	D 16m (52.49')	16
M950 RECT	CrRTTd8000 8/8	D 8m (26.25')	8
M950 RECT	CrRTTd10000 12/12	D 10m (32.81')	12
M950 RECT	CrRTTd12000 12/12	D 12m (39.37')	12
M950 RECT	CrRTTd14000 16/16	D 14m (45.93')	16
M950 RECT	CrRTTd16000 16/16	D 16m (52.49')	16





Furniture & DJ kits

Tune up your accessories

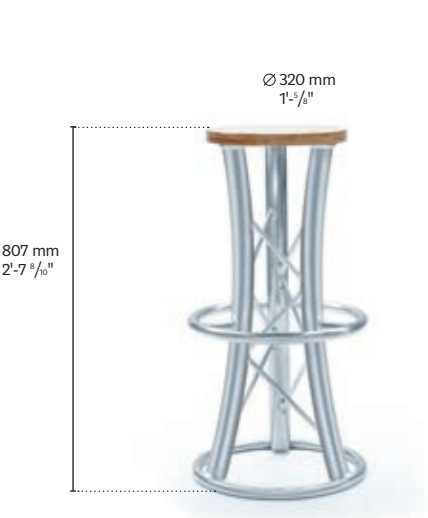




Use QR code
for full range

Furniture & DJ kits

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

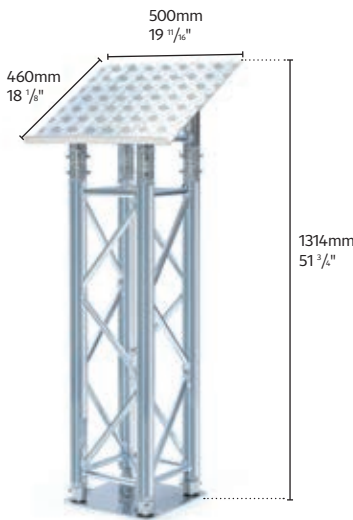
With curved legs



Curved lectern

Code	kg	lbs
MMD141B	7.00	(15.43)

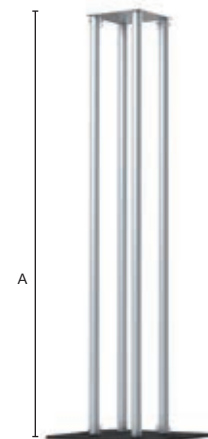
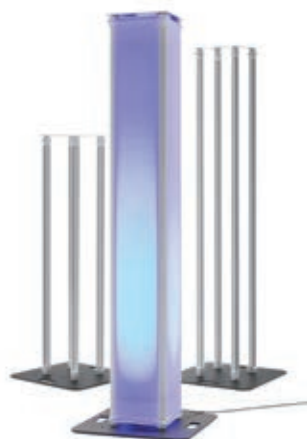
Includes replaceable top made of sheet aluminium with pencil stop. Curved legs.



Rectangular lectern

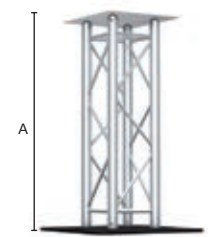
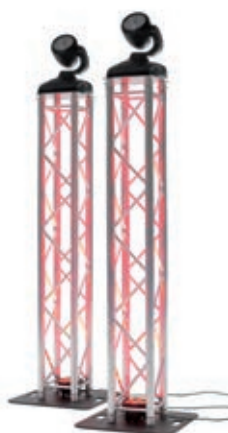
Code	kg	lbs
MMD143B-32DG	12.20	(26.89)

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



GLOW TOTEMS

Code		height		weight		tubes	plates	sleeve
GlotemM100B-1500BL	m ft	1.5 (4' - 11.10")	kg lbs	36.00 (79.35)	mm in	50 x 2 (2"x0.08")	Top: BBPQC	Black or white stretch fabric, B1 fire-retardant
GlotemM100B-2000BL		2.0 (6' - 6.70")		37.50 (82.65)		50 x 2 (2"x0.08")		
GlotemM100B-2500BL		2.5 (8' - 2.40")		39.00 (85.96)		50 x 2 (2"x0.08")	Botom: BBP600x600 QTB STEEL	



TRUSS TOTEMS

Code	height		weight		tubes		plates	sleeve
MMD132B-1000	m	ft	kg	lbs	mm	in	Top: BBPQC	M290 QUATRO
MMD132B-2000							50 x 2 (2"x0.08")	
MMD132B-3000							50 x 2 (2"x0.08")	
							Bottom: BBP600x600 QTB STEEL	



TRU-SLE-M290|WH

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

Truss textile sleeve for M290 quatro
White, B1 flame retardant textile
Available lengths 1.5m; 2m; 2.5m or 25m sleeve



TRU-SLE-M290|BL

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

Truss textile sleeve for M290 quatro
Black, B1 flame retardant textile
Available lengths 1.5m; 2m; 2.5m or 25m 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 & 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)

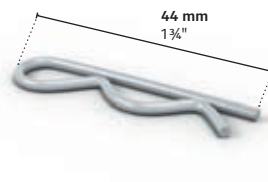
Pin M with M6 thread
Supplied with washer and nylock nut.



CCMM8|MALE

Series	kg	lbs
M222	0.03	(0.07)

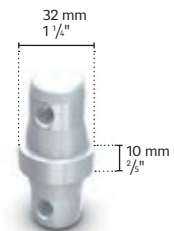
Half connector M with M8 thread
Fixing screw not included (order separately if required)



SRPM

Series	kg	lbs
M222	0.01	(0.01)

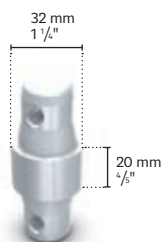
Safety R clip B
For truss series M222/M290/M390



CCMD10

Series	kg	lbs
M222	0.08	(0.18)

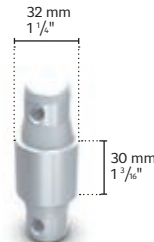
Spacer M 10 mm (0.39")



CCMD20

Series	kg	lbs
M222	0.10	(0.22)

Spacer M 20 mm (0.79")



CCMD30

Series	kg	lbs
M222	0.12	(0.26)

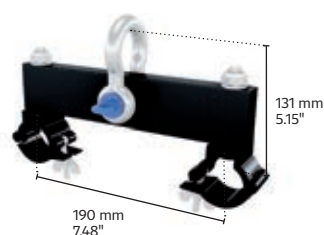
Spacer M 30 mm (1.18")



CCMD40

Series	kg	lbs
M222	0.14	(0.31)

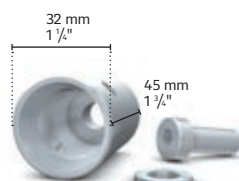
Spacer M 40 mm (1.58")



CS-M222|COLOR

Series	kg	lbs
M222	1.2 (2.64)	

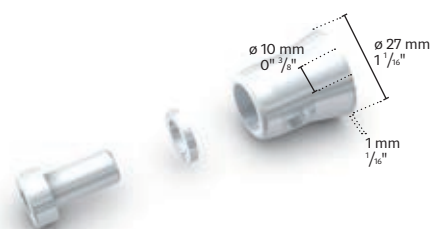
Ceiling support for M222
SWL 250 kg (551 lbs)



CON85M|FEMALEPIN

Series	kg	lbs
M222	0.08 (0.18)	

Female fitting for Multicube QC-M222
Supplied with washer and M10x25 bolt.



CON77M|MALEPIN

Series	kg	lbs
M222	0.07 (0.15)	

Male fitting for Multicube QC-M222
Supplied with washer and M10x16 bolt.



CON19M|PARCELTRIO

Series	kg	lbs
M222	0.30 (0.66)	

Connection set - TRIO truss
3x CCM, 6xPM|Pin, 6x SRPM



CON20M|PARCELQUATRO

Series	kg	lbs
M222	0.40 (0.88)	

Parcel quatro (4xCCM, 8xPM, 8xSRPM)x
Connection set for QUATRO truss



CON18M|PARCELDUO

Series	kg	lbs
M222	0.20 (0.44)	

Connection set - DUO truss
2x CCM, 4xPM|Pin, 4x SRPM



CCB

Series	kg	lbs
M290	0.11 (0.24)	
M290E		
M390		
M290x390		

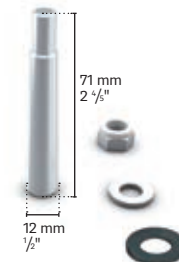
Conical connector B
F & U compatible versions available



PB|PIN

Series	kg	lbs
M290	0.05 (0.11)	
M290E		
M390		
M290x390		

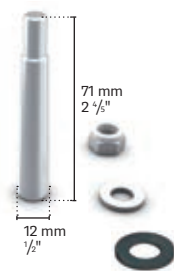
Pin B



PBM8SET

Series	kg	lbs
M290	0.08 (0.18)	
M290E		
M390		
M290x390		

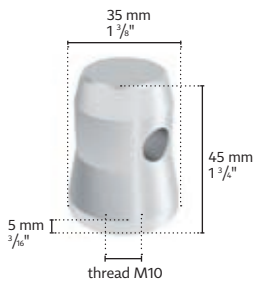
Pin B with M8 thread
Supplied with washer and nylock nut.



PBM8SSSET

Series	kg	lbs
M290	0.08 (0.18)	
M290E		
M390		
M290x390		

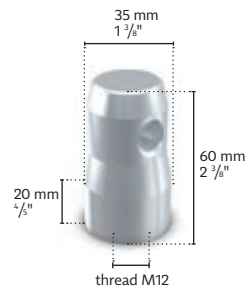
Stainless steel Pin B with M8 thread
Supplied with washer and nylock nut.



CCBP/M10|MALE

Series	kg	lbs
M290	0.07 (0.15)	
M390		
M290x390		

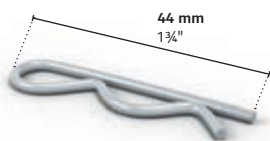
Half connector B with M10 thread
Fixing screw not included (order separately if required)
F&U compatible versions available



CCBM/12|MALE

Series	kg	lbs
M290	0.12 (0.26)	
M390		
M290x390		

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



SRPB

Series	kg	lbs
M222	0.002 (0.01)	
M290E		
M390		
M290x390		

Safety R clip B
For truss series M222/M290/M390 Safety R Clip B



CCBD10

Series	kg	lbs
M290	0.20 (0.44)	
M390		
M290x390		

Spacer B 10 mm (0.39")
F & U compatible versions available



CCBD20

Series	kg	lbs
M290	0.25 (0.55)	
M390		
M290x390		

Spacer B 20 mm (0.79")
F & U compatible version available



CCBD30

Series	kg	lbs
M290	0.30 (0.66)	
M290E		
M390		
M290x390		

Spacer B 30 mm (1.18")
F & U compatible version available



CCBD40

Series	kg	lbs
M290	0.36 (0.79)	
M290E		
M390		
M290x390		

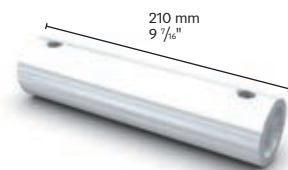
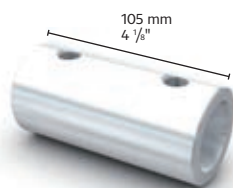
Spacer B 40 mm (1.58")
F & U compatible version available



CCBD50

Series	kg	lbs
M290	0.41 (0.90)	
M290E		
M390		
M290x390		

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



CFBD105

Series	kg	lbs
M290		
M390	0.33	(073)
M290x390		

105 mm (4.13") female spacer
F & U compatible version available

CFBD210

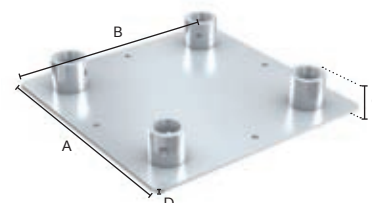
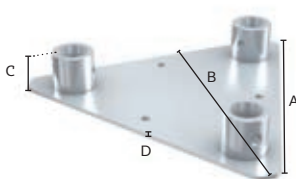
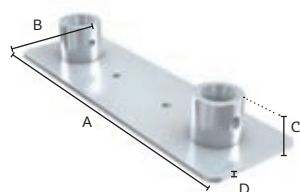
Series	kg	lbs
M290		
M390	0.68	(0.84)
M290x390		

210 mm (8.27") female spacer
F & U compatible version available

BBPSC/MALE

Series	kg	lbs
M100		
M290	0.19	(0.42)
M390		
M290x390		

Base plate with half connector
F & 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 (mm /25.4 = inches),
(kgx2.204 = lbs)
F&U compatible versions available

Trio base plates with female receivers

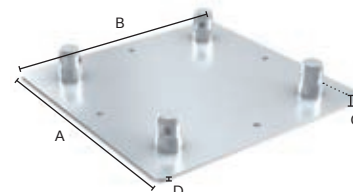
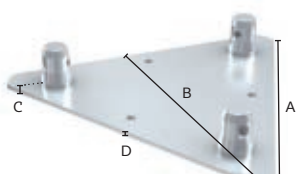
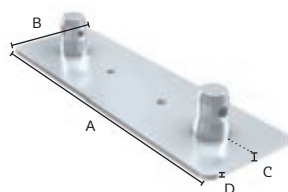
Series	Code	A	B	C	D	kg
M222	MWPT FEMALE	262	230	45	5	0.70
M290	BWPT FEMALE	346	303	50	5	1.23
M390	KWPT FEMALE	441	385	50	5	1.70

To calculate inches and pounds (mm /25.4 = inches),
(kgx2.204 = lbs)
F&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 (mm /25.4 = inches),
(kgx2.204 = lbs)
F&U compatible versions available



Duo base plates with half connectors

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

To calculate inches and pounds (mm /25.4 = inches),
(kgx2.204 = lbs)
F&U compatible versions available

Trio base plates with half connectors

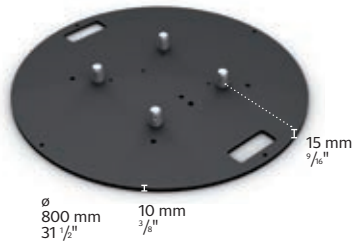
Series	Code	A	B	C	D	kg
M222	MWPT MALE	262	230	10	5	0.60
M290	BWPT MALE	346	303	10	5	1.08
M390	KWPT MALE	441	385	10	5	1.57

To calculate inches and pounds (mm /25.4 = inches),
(kgx2.204 = lbs)
F&U compatible versions available

Quatro base plates with half connectors

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

To calculate inches and pounds (mm /25.4 = inches),
(kgx2.204 = lbs)
F&U compatible versions available

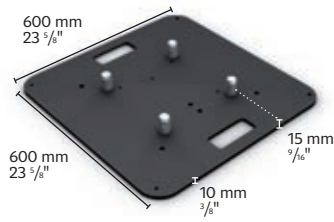


BBPD800|QTB|STEEL

Series	kg	lbs
M222		
M290	38.58	(85.05)
M390		

Round steel base plate with half connectors

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

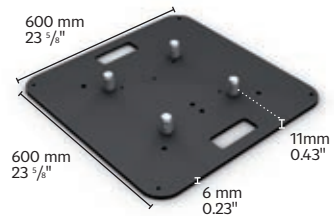


BBP600X600X10|QTB|STEEL

Series	kg	lbs
M222		
M290	27.14	(59.83)
M390		

Steel base plate with half connectors

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

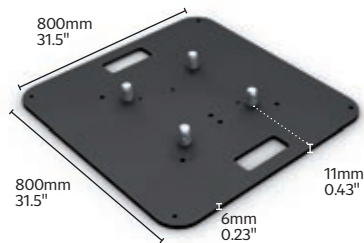


BBP600X600X6|QTB|STEEL

Series	kg	lbs
M222		
M290	16.1	(35.5)
M390		

Steel base plate with half connectors

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

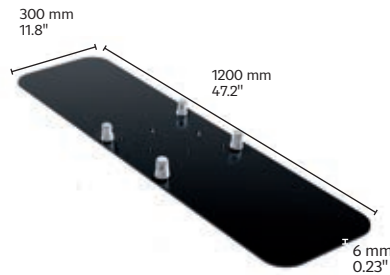


BBP800X800X6|QTB|STEEL

Series	kg	lbs
M222		
M290	29.3	(64.6)
M390		

Steel base plate with half connectors

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

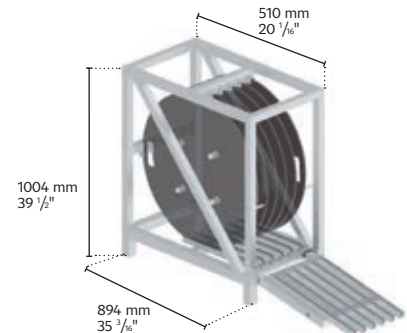


BBP1200X300|QTB|STEEL

Series	kg	lbs
M222		
M290	16.75	(36.9)
M390		

Steel base plate with half connectors

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

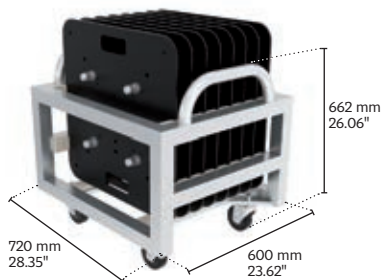


CAGE-BP-M-B-K-D800

Series	kg	lbs
M222		
M290	25.00	(55.12)
M390		

Transport cage for BBPD800|QTB|STEEL

Holds up to 10 x BP-D800X10



BP-DOLLY-M-B-K-600X600

kg	lbs
31.00	(68.34)

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



BASEPLATERUBBERPAD|BBP600X600

Series	kg	lbs
M222		
M290	1.40	(3.08)
M390		

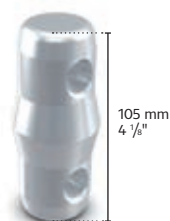
High density rubber pads to fix under your baseplates



BASEPLATERUBBERPAD|BWP310X310

Series	kg	lbs
M290	0.4	(0.88)

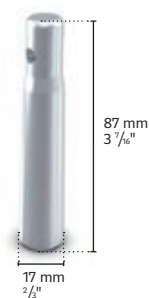
High density rubber pads to fix under your baseplates



CCO

Series	kg	lbs
M400	0.30 (0.66)	
M520		
M760		
M950		

Conical connector O



PO|PIN

Series	kg	lbs
M400	0.12 (0.26)	
M520		
M760		
M950		

Pin O



POM12SET

Series	kg	lbs
M400	0.12 (0.26)	
M520		
M760		
M950		

Pin O with M12 thread

Supplied with washer and nylock nut.

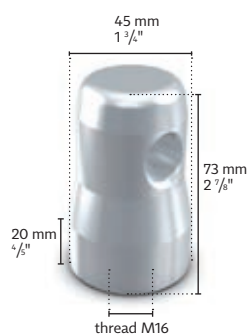


POM12SSSET

Series	kg	lbs
M400	0.12 (0.26)	
M520		
M760		
M950		

Stainless steel Pin O with M12 thread

Supplied with washer and nylock nut.

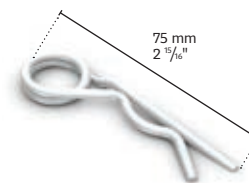


CCOM16|MALE

Series	kg	lbs
M400	0.23 (0.51)	
M520		
M760		
M950		

Half conical connector O with M16 thread

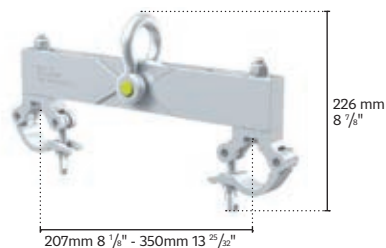
Fixing screw not included (order separately if required).



SRPO

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

Safety R Clip O

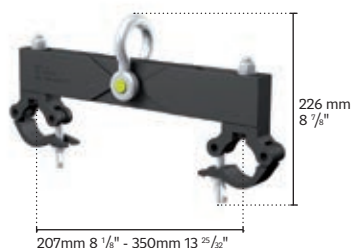


CS-M290/M400

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

Ceiling support - silver

SWL 1000 kg (2204 lbs) - DGUV17/BGVC1

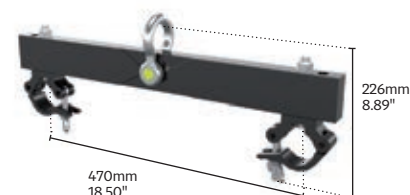


CS-M290/M400|COLOR

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

Ceiling support - black

SWL 1000 kg (2204 lbs) - DGUV17/BGVC1

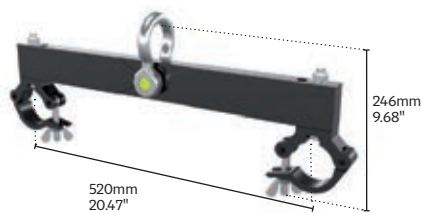


CS-M520/M760|COLOR

Series	kg	lbs
M520	9.0 (19.84)	
M760		

Ceiling support - black

SWL 1120 kg (2470 lbs) - DGUV17/BGVC1

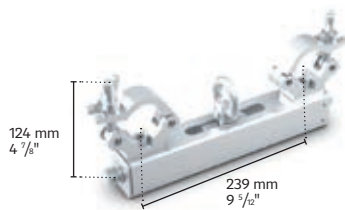


CS-M950|COLOR

Series	kg	lbs
M950	9.6	(21.16)

Ceiling support - black

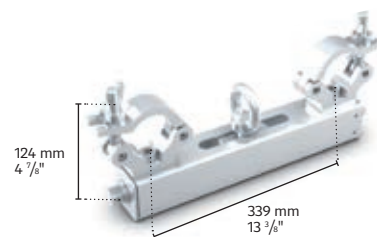
SWL 1000 kg (2204 lbs) - DGUV17/BGV C1



CS3B-ADJ-M290

Series	kg	lbs
M290		
M290	3.50	(7.71)
M290x390		

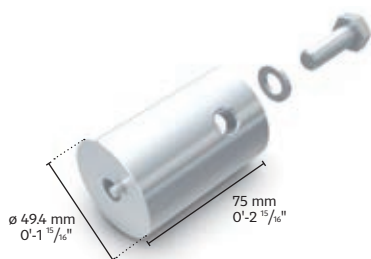
Ceiling support for M290 - Adjustable center of gravity
SWL 749.6 lbs (340 Kg)



CS3B-ADJ-M390

Series	kg	lbs
M390	3.50	(7.71)

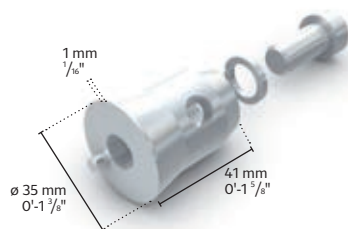
Ceiling support for M390 - Adjustable center of gravity
SWL 749.6 lbs (340 Kg)



CON64B|FEMALEPIN

Series	kg	lbs
M290		
M390	0.32	(0.71)
M290x390		

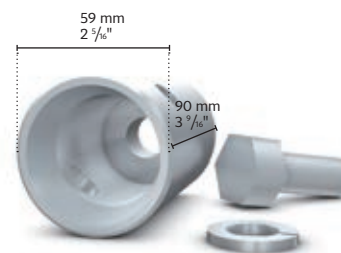
Female connector for Multicubes M290/M390 series
Supplied with washer and M12x35 bolt.
F & U compatible version available



CON63B|MALEPIN

Series	kg	lbs
M290		
M390	0.17	(0.37)
M290x390		

Male connector for Multicubes M290/M390 seriesxx
Supplied with washer and M12x25 bolt.
F & U compatible version available



CON470|FEMALE

Series	kg	lbs
M400		
M520	0.50	(1.10)
M950		
M760		

Female connector for Multicubes M400/M520/M760/M950 series
Supplied with washer and M16x40 bolt.



CON16B|PARCELDUO

Series	kg	lbs
M290	0.49	(1.08)
M390		

Connection set - DUO truss
2x CCB, 4xPB|Pin, 4x SRPB
F & U compatible versions available



CON12B|PARCELTRIO

Series	kg	lbs
M290	0.73	(1.61)
M390		

Connection set - TRIO truss
3x CCB, 6xPB|Pin, 6x SRPB
F & U compatible versions available



CON17B|PARCELQUATRO

Series	kg	lbs
M290		
M390	0.73	(1.61)
M290x390		

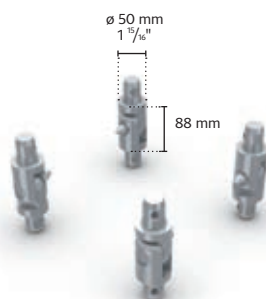
Connection set - QUATRO trussxx
4x CCB, 8xPB|Pin, 8x SRPB
F & U compatible versions available



CON420|PARCELQUATRO

Series	kg	lbs
M400		
M520		
M760	2.16 (4.76)	
M950		

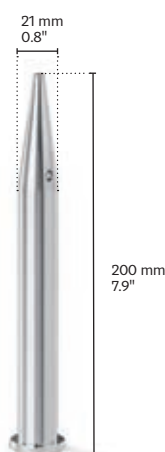
Connection set - QUATRO truss
4x CCO, 8x PO|Pin, 8x SRPO



MT1-07B|HINGES|4PCS

Series	kg	lbs
M290		
M390	2.40 (5.28)	

Set of 4 Hinge parts for Towers
F & U compatible versions available



PQ-FTD

Series	kg	lbs
S-M1010 Trio	0.50 (1.10)	

Pin Q-FTD



CON84M|PARCELQC|MALEPIN

Series	kg	lbs
M222		

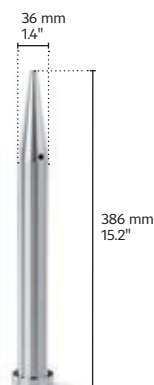
Parcel for multicube truss series M222
(4xCON77M+4xPM+4xSRPM)



CCR

Series	kg	lbs
M1200	0.65 (1.43)	

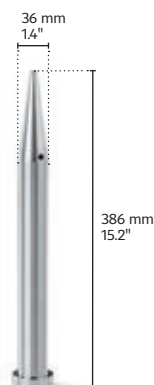
Conical connector R for truss series M1200



PW-FTZ

Series	kg	lbs
S-FTZ Fold	2.70 (5.95)	

Pin W-FTZ



CON82B|PARCELQC|MALEPIN

Series	kg	lbs
M290/390		

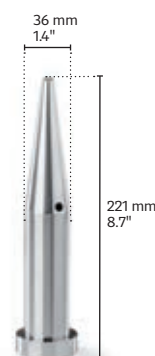
Parcel for multicube truss series M290/M390
(4xCON63B+4xPB+4xSRPB)
F & U compatible version available



PR|PIN

Series	kg	lbs
M1200	0.21 (0.46)	

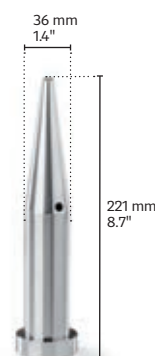
Pin R for truss series M1200

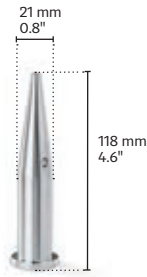


PW

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

Pin W

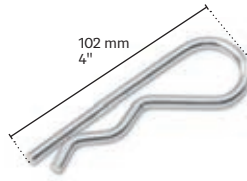




PQ

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

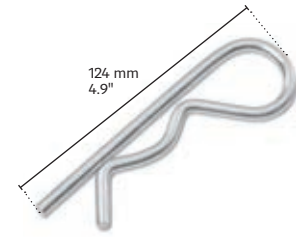
Pin Q



SRPQ

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

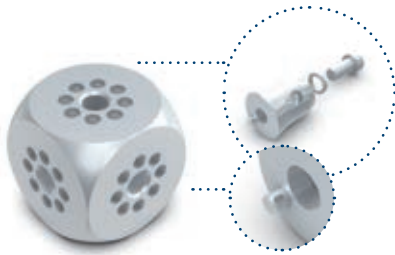
Safety R clip Q



SRPW

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

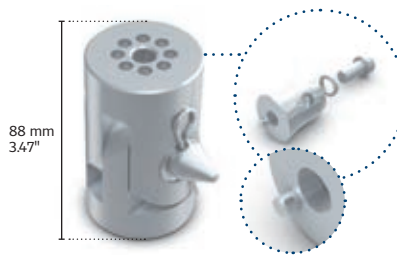
Safety R clip W



CUBE-B-UNI

Series	kg	lbs
M100	0.27	(0.60)
M290		
M390		
M290x390		

Multiconnection cube with 360° setting adjustability



HINGEQB-UNI

Series	kg	lbs
M100	0.27	(0.60)
M290		
M390		
M290x390		

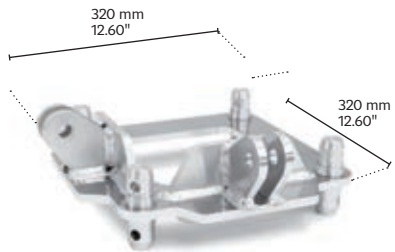
Multiconnection hinge with 360° setting adjustability



MODULARHINGE-B

Series	kg	lbs
M100	0.49	(1.08)
M290		
M390		
M290x390		

Modular hinge solution for DUO, TRIO, QUATRO in one
Set includes 2x CON63B/MalePin
F & 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)

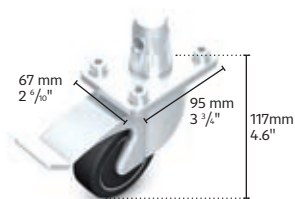
Strut for use with the main Corner Brace HD reinforcement component.



CBD50

Series	kg	lbs
M290	-	-

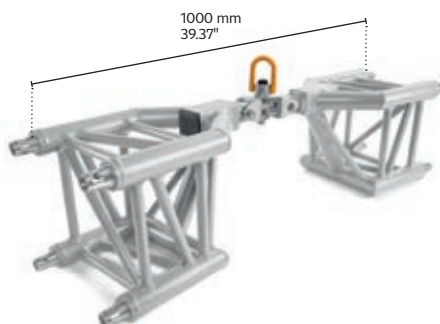
Corner brace 1000mm or 2000 mm for tube 48-50mm



BBPSC-GW

Series	kg	lbs
M100		
M290	2.00	(4.41)
M390		
M290x390		

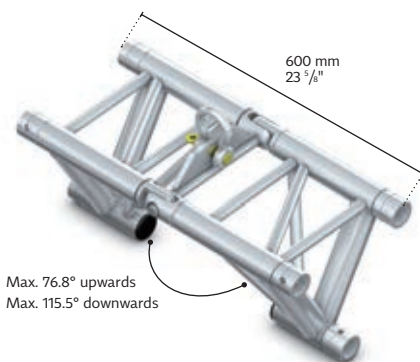
Transport wheel with brake and half coupler
F & U compatible versions available



MUH-M290-HD|1000

Series	kg	lbs
M290	12.85	(28.33)

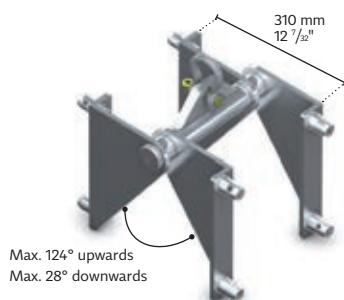
Hinged component that allows for virtually infinite height and angular configurations for exciting backdrops and support structures.
Image is for illustrative purposes only!
Connection material is not part of the product.



HP-STB-FLEX

Series	kg	lbs
M290	7.20	(15.87)
M390		

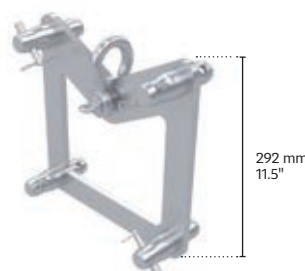
Flexible Hinge Section for TRIO Truss
WLL 1000kg (2204.2 lbs)
DGUV17 / BGVC1
F & U compatible versions available



HP-QTB-FLEX

Series	kg	lbs
M290	9.70	(21.37)
M390		

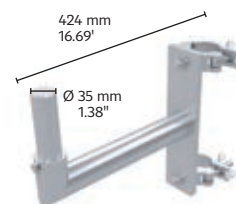
Flexible Hinge Section for QUATRO Truss
WLL 1000kg (2204.2 lbs)
DGUV17 / BGVC1
F & U compatible versions available



HANGING-PLATE-QTB

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

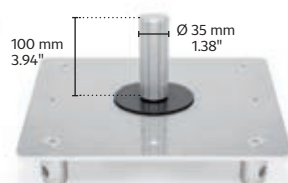
Hanging plate for M290 quatro, incl. 8x half male connector
F & U compatible versions available



SPEAKER-MOUNT-D50

Series	kg	lbs
M100		
M290	3.10	(6.80)
M390		

Side mounted speaker holder for 48-51mm 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 35mm spigot that fits standard speaker holes.



TOP-BRACKET-QTB

Series	kg	lbs
M290	1.80	(4.00)

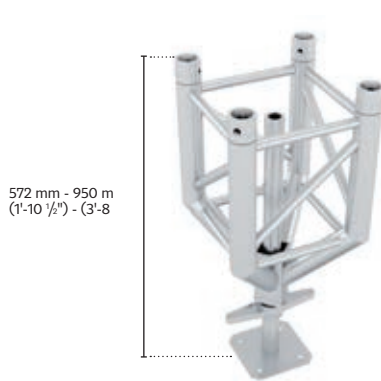
M290 top bracket for lights, tube 48mm, incl. 4x half male connector
F & U compatible versions available



TOP-RING-QTB-D1000

Series	kg	lbs
M290	6.00	(13.20)

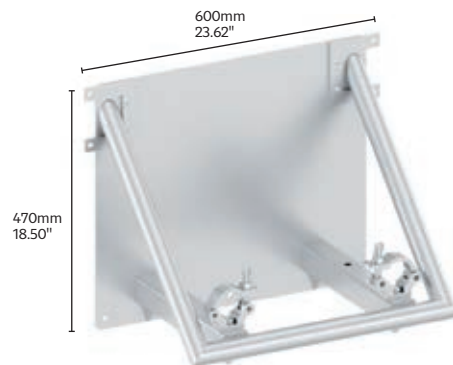
M290 top circle, outer d=1m, tube 50mm, incl. 4x half male connector
F & U compatible versions available



LEGM290V|572-950

Series	kg	lbs
M222	7.70	(16.97)

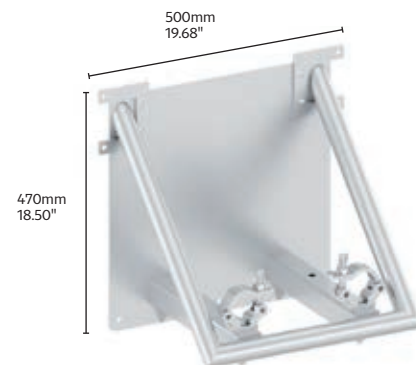
Adjustable pedestal leg 572-950mm
Available for M390



WALLPLATE-M390|500KG

Series	kg	lbs
M390	7.00	(15.43)

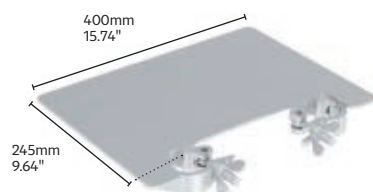
Truss wall mount, SWL 500 kg (1102 lbs)



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 a perfectly balanced weight distribution even if one chain hoist moves slower than its partner.



HANGING CORNER M290

kg	lbs
7.00	(15.43)

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)

It allows you to place an additional truss line anywhere in the structure without any additional tools.
It perfectly fits the truss M390 QUATRO, TRIO or DUO and, after reassembling the upper bar, allows placement of the M290 truss series.



DELTAPLATE

kg	lbs
12.30	(27.12)

Delta Plate can be used for controlling the horizontal aiming of an array to distribute the weight of the array to two points.



TRA-CLI-2XD50

Series	kg	lbs
M290	0.08	(0.18)
M390		

Truss transport clip
Fits 48-51mm tubes.



1812 mm
71.33"

1615 mm
63.58"



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

MULTIPURPOSE CART MMC

kg lbs

65 (143.30)

Supplied flat-packed for ease of shipping
Multi-purpose use for materials / accessories handling and storage

Multipurpose Cart MMC

- Aluminium profile with multiple attachment options
- Compact dimensions (1812 x 1799 x 798 mm)
- Lightweight , empty only 65kg
- Protective bumpers on all sides
- Supplied flat-packed for ease of shipping
- Up to 400kg capacity
- Bespoke dimensions on request
- Shelf, lighting, ballroom floors,cables, plastic crates accessories
- Multi-purpose use for materials / accessories handling and storage
- Rain / dust protection cover
- Optimized dimensions for transport

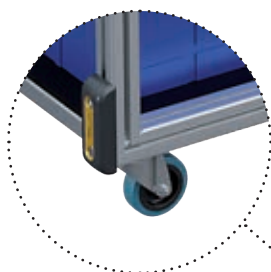


Lightweight



Specific profile

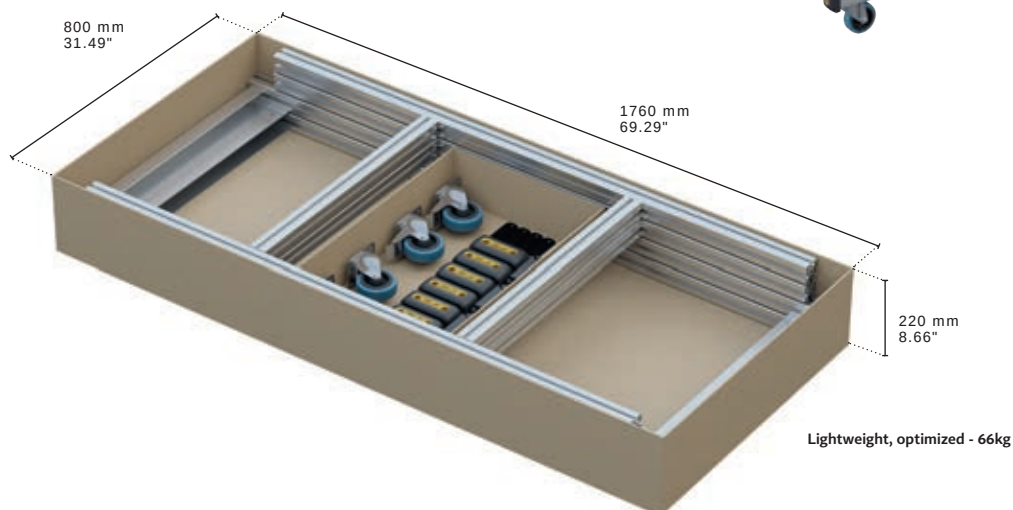
Protective bumpers on all sides



Protective bumpers on all sides



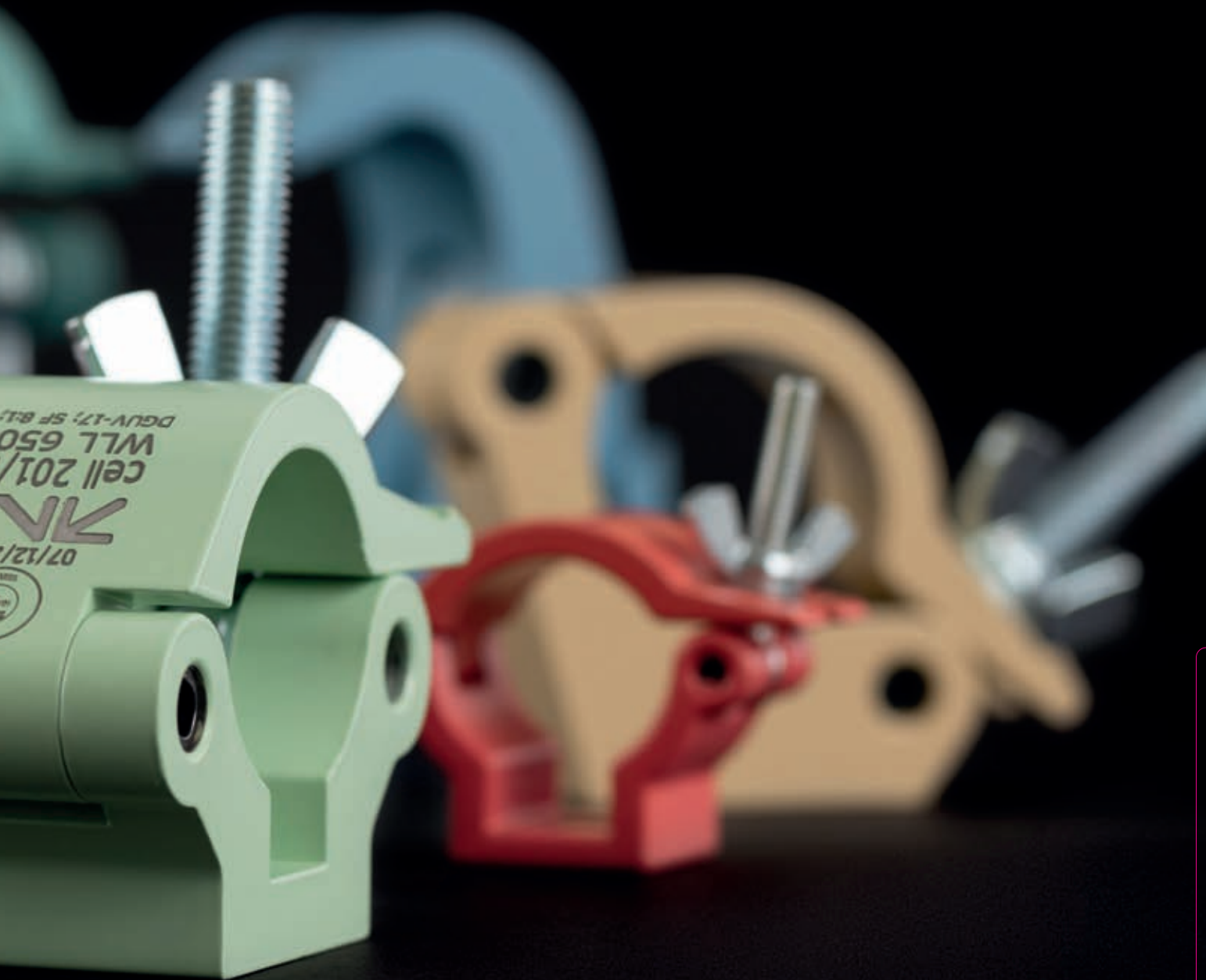
Optimized packaging for delivery



Cell clamps

Holding on firmly

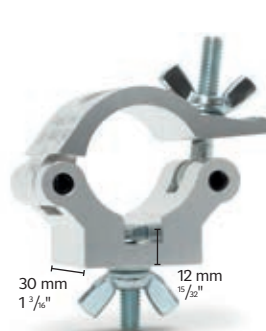




Use QR code
for full range

CELL130

- Designed to fit 32mm (1 1/4") to 35mm (1 3/8") 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) DGVU17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)
- Interchangeable M10 screw ensures flexible attachment points
- Powder coated versions available on request
- Black anodized versions of CELL131/134 available



CELL131 / CELL131|anodized

Basic clamp

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

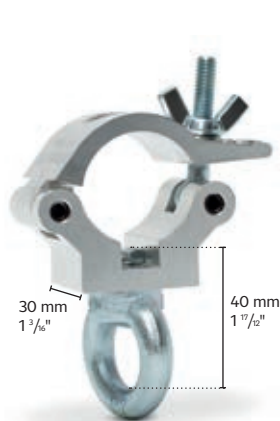
Basic Clamp can be used for most applications.

CELL132 / CELL132|anodized

Clamp with bolt and wingnut

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

Clamp supplied with M10 x 30 bolt and wingnut.

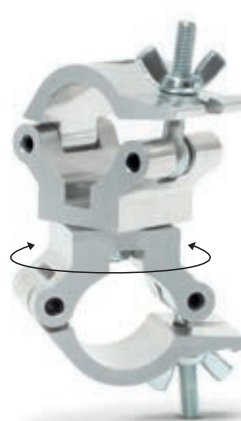


CELL133 / CELL133|anodized

Clamp with lifting eye

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

Clamp with lifting eye



CELL134 / CELL134|anodized

Swivel coupler

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

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

CELL200

- Designed for 48-51mm (1 7/8"-2") 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 & wingnut
- Mounting hole for up to 13mm (1/2") bolts

- Polished surface with micro-percussion markings
- Powder coated versions available on request
- Rated with SF 8:1 (kg) DGUV17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)
- Black anodized versions of CELL201/203/204/207 available

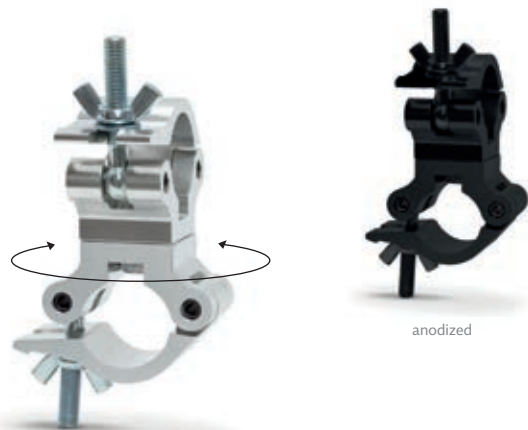


CELL201 / CELL201|anodized

Basic clamp

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

Basic Clamp can be used for most applications.



CELL204 / CELL204|anodized

Swivel coupler

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

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

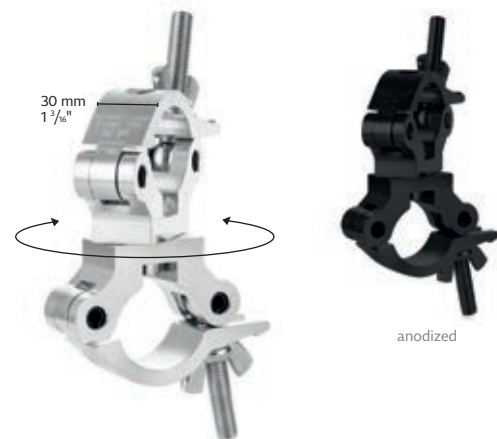


CELL207 / CELL207|anodized

Slim basic clamp

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

Slim basic clamp can be used for most applications.



CELL214 / CELL214|anodized

Swivel coupler

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

48-51mm Slim Swivel Coupler (CELL207 + CELL207 Assy)

CELL300

- Designed for 60-63.5mm (2 3/8"-2 1/2") diameter tubes
- Precision extruded high tensile aluminium alloy
- DGUV17/BGV C1 rating
- Compatible with M950 / 4GS-91
- Supplied with M12 bolt & wingnut

- Mounting hole for up to 13mm (1/2") bolts
- Polished surface with micro-percussion markings
- Powder coated versions available on request
- Rated with SF 8:1 (kg) DGUV17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)



CELL301 / CELL301|anodized

Basic clamp

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

Basic Clamp can be used for most applications.



CELL302 / CELL302|anodized

Clamp with bolt and wingnut

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

Clamp supplied with M12 x 35 bolt and wingnut.



CELL303|650kg / CELL303|anodized

Clamp with lifting eye

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

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



CELL304 / CELL304|anodized

Swivel coupler

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

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

CELL400

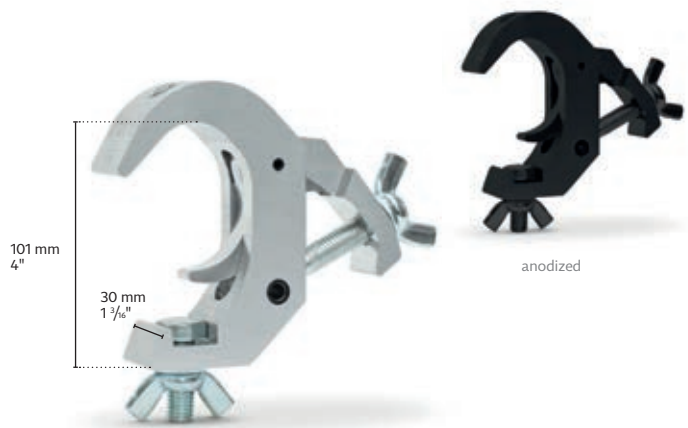
- Quick hook clamp series designed for 38-51 mm (1 1/2"-2") diameter tubes
- Quick & easy attachment solution for moving heads
- Precision extruded high tensile aluminium alloy
- DGUV17/BGV C1 rating
- Compatible with M290 / M390 / M400 / M520 / M760 / 4GS-35 / 4GS-50 / 4GS-62
- Supplied with M12 bolt & wingnut
- Mounting hole for up to 13mm (1/2") bolts
- Polished surface with micro-percussion markings
- Powder coated versions available on request
- Rated with SF 8:1 (kg) DGUV17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)
- Black anodized versions of CELL401/403 available



CELL401 / CELL401|anodized Quick clamp

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

38-51mm Quick clamp connection and locking mechanism



CELL402 / CELL402|anodized Quick clamp with bolt and wingnut

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

Quick clamp supplied with M12 x 35 bolt and wingnut.



CELL403 / CELL403|anodized Quick clamp with lifting eye

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

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



CELL411 / CELL411|anodized Quick Clamp with Wing bolt

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

38-60mm Quick clamp connection and locking mechanism

CELL500

- Low profile series designed for 48-51mm (1 7/8"-2") diameter tubes
- Ideal for exhibitions, displays & light duty applications
- Precision extruded ultra-high tensile aluminium alloy
- DGUV17/BGV C1 rating
- Compatible with M290 / M390 / M400 / M520 / M760 / 4GS-35 / 4GS-50 / 4GS-62
- Supplied with M6 bolt & wingnut
- Mounting hole for up to 10.5mm (5/12") bolts
- Polished surface with micro-percussion markings
- Powder coated versions available on request
- Rated with SF 8:1 (kg) DGUV17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)

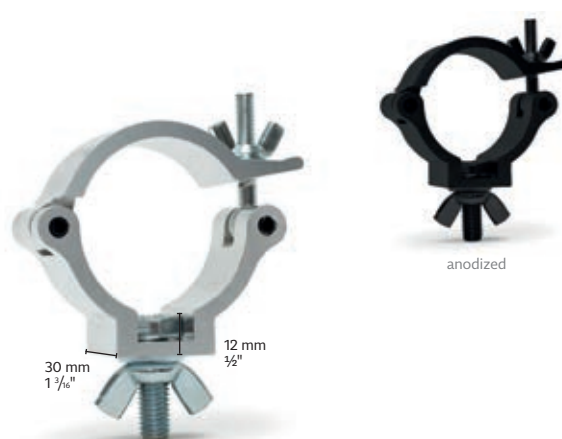


CELL501 / CELL501|anodized

Basic clamp

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

Basic clamp can be used for lightweight applications.

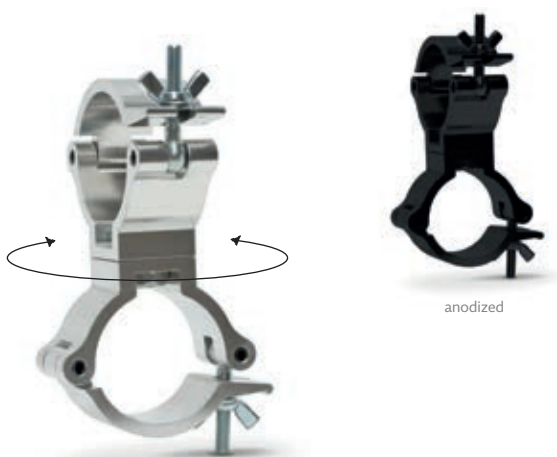


CELL502 / CELL502|anodized

Clamp with bolt and wingnut

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

Clamp supplied with M10 x 30 bolt and wingnut.



CELL504 / CELL504|anodized

Swivel coupler

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

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



CELL511 / CELL511|anodized

Panel Clamp

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

Panel thickness range 5-10 mm (0.19"-0.39")

CELL600

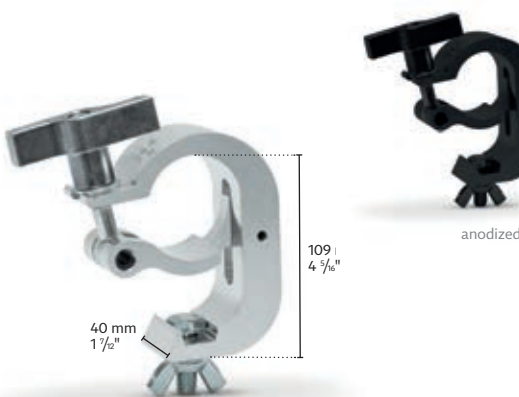
- Hook clamp series designed for 48-51mm (1 7/8"-2") diameter tubes
- Quick & easy attachment solution for moving heads & heavy fixtures
- Precision extruded high tensile aluminium alloy
- DGUV17/BGV C1 rating
- Supplied with M12 bolt & wingnut
- Mounting hole for up to 13mm (1/2") bolts
- Compatible 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) DGUV17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)
- Black anodized versions of CELL601/603 available



CELL601 / CELL601|anodized Basic clamp

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

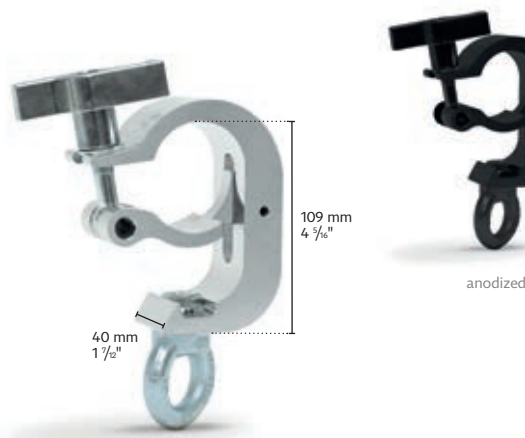
Basic clamp can be used for most applications.



CELL602 / CELL602|anodized Basic clamp with bolt and wingnut

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

Clamp supplied with M12 x 35 bolt and wingnut.



CELL603 / CELL603|anodized Clamp with lifting eye

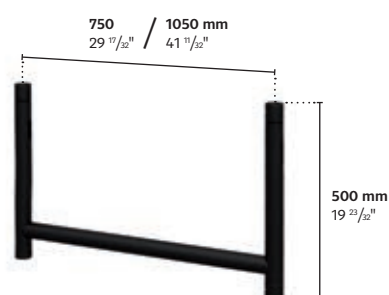
	SWL1	SWL2	Weight	Tube Ø
kg lbs	350 (771)	700 (1543)	0.75 (1.65)	48-51 mm (1.89"-2")

Clamp supplied with steel eye for attachment of ropes or cables.



Frames

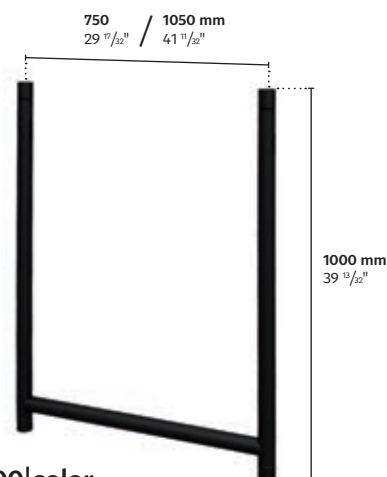
- Connect fixtures quickly and securely via cell clamps or any other lifting accessories
 - Maximum flexibility for mounting lighting fixtures
 - Quick & ease assembly using standard conical connections
 - Slotted tube profile to enable secondary safety attachment
 - Durable 48 x 3 mm extruded aluminium tube (EN AW-6082 T6)
 - Based on MILOS M100 series truss
- All load information are without consideration of horizontal forces. Specific load figures can be approved on request.
 - As horizontal forces are not considered, the analysis of tipping over must be made case by case.



MLA-H750x500|color
MLA-H1050x500|color

Code	Tube Ø	kg	lbs
MLA-H750x500 color	48 x 3 mm (1.89" x 0.12")	2.30 (5.07)	
MLA-H1050x500 color	48 x 3 mm (1.89" x 0.12")	2.60 (5.73)	

Modular Grid Frame for hanging lights from truss structures - 750x500mm or 1050x500mm.

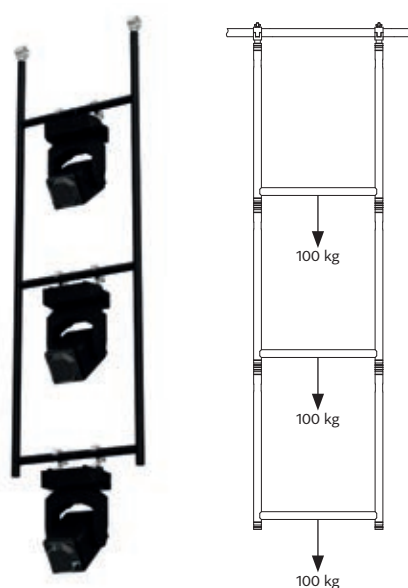


MLA-H750x1000|color
MLA-H1050x1000|color

Code	Tube Ø	kg	lbs
MLA-H750x1000 color	48 x 3 mm (1.89" x 0.12")	3.40 (7.49)	
MLA-H1050x1000 color	48 x 3 mm (1.89" x 0.12")	3.80 (8.37)	

Modular Grid Frame for hanging lights from truss structures - 750x1000mm or 1050x1000mm.

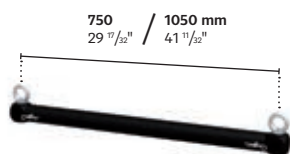
Load assumptions



Hanging configuration:
Maximum load per crossbar 100 kg. At full load, a maximum of 15 H-frames can be hung one below the other.



Standing configuration:
Maximum load per crossbar 80 kg. 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 x 3 mm (1.89" x 0.12")	2.20 (4.85)	
MLA-I-1050 color	48 x 3 mm (1.89" x 0.12")	2.40 (5.29)	

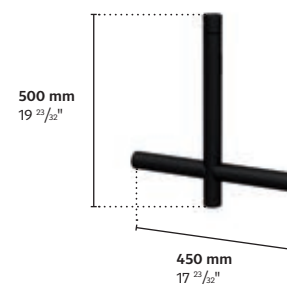
Modular Light Bar for attaching lights to hanging modular grid frames - 1050mm or 750mm.



MLA-L500|color
MLA-L1000|color

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

Modular Light Bar for attaching lights to hanging modular grid frames - 1000mm or 500mm.

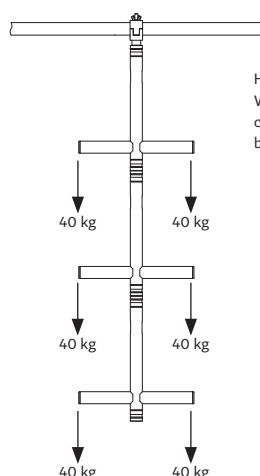


MLA-X450x500|color

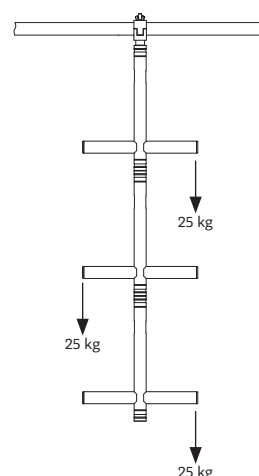
Code	Tube Ø	kg	lbs
MLA-X450x500 color	48 x 3 mm (1.89" x 0.12")	1.20 (2.65)	

Modular Light Bar for attaching lights to hanging modular grid frames - 450x500mm.

Load assumptions



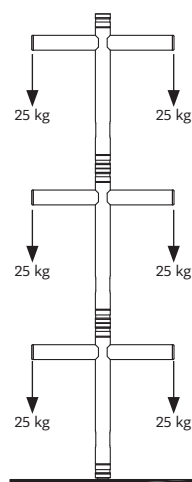
Hanging configuration:
With symmetrical load of 40 kg on every cantilever, a maximum of 14 T-frames may be hung one below the other.



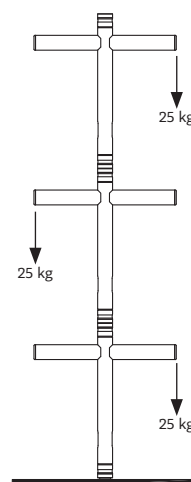
Hanging configuration:
With asymmetrical load of 25 kg on every cantilever, a maximum of 22 T-frames may be hung one below the other.



Load assumptions



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



Standing configuration:
With asymmetrical load of 25 kg on one cantilever per piece, a maximum of 6 T-frames may be stacked on top of each other.

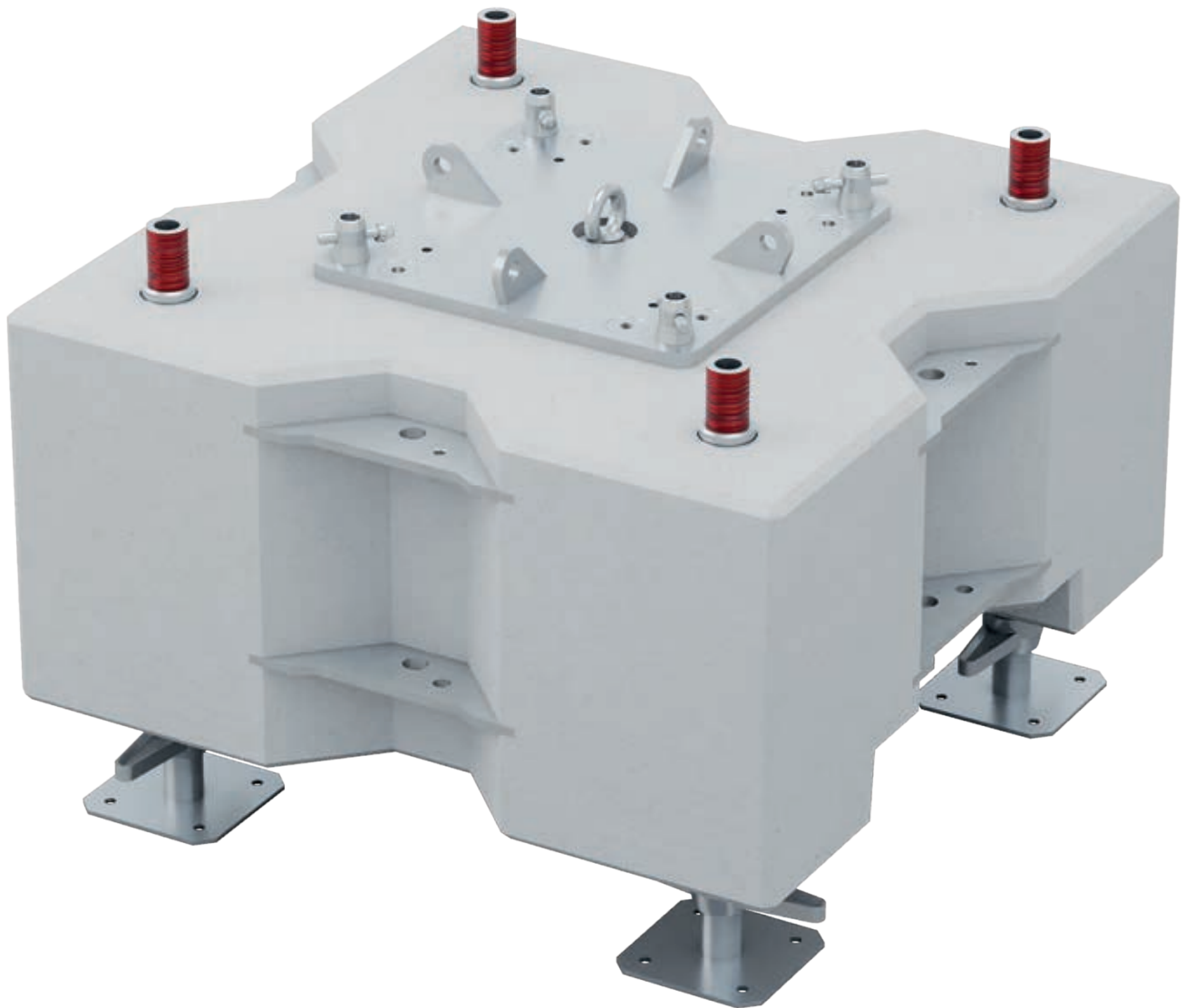


WARNING:

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

Concrete Ballast Base MCBB

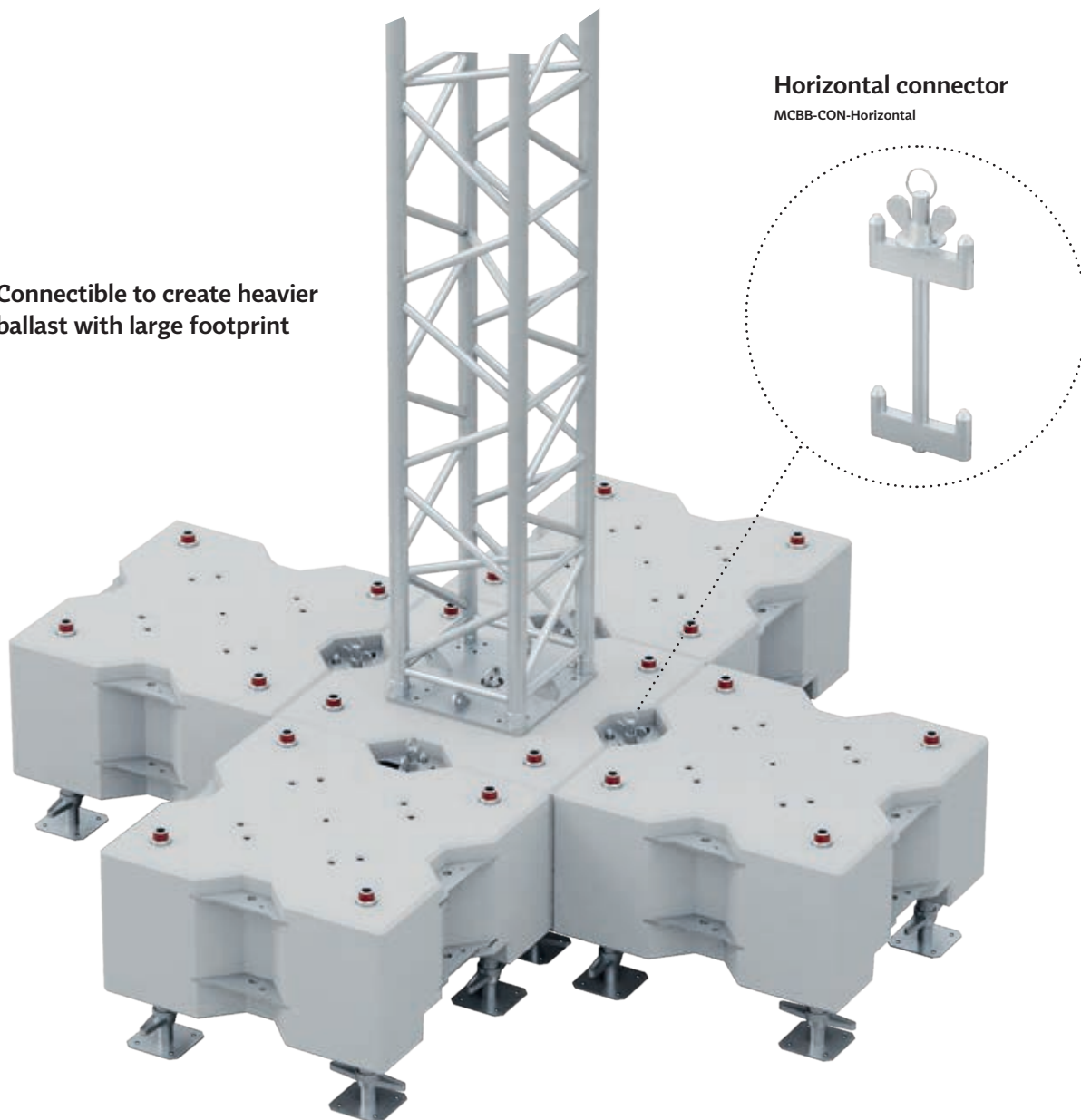
- Compact 800 x 800 x 400mm steel reinforced concrete block
- 550kg mass weight
- Inter-connectable to create heavier ballast with large footprint
- Stackable for extra weights/for easier transport
- Orientation free connection
- Integrated screwjack sleeve tube for leveling
- Center hanging point for easy manipulation
- Fork lift pocket for easy moving/stacking
- M290 and M390 truss connection via thick steel plate including lugs for wires
- Other colors on demand



Connectible to create heavier ballast with large footprint

Horizontal connector

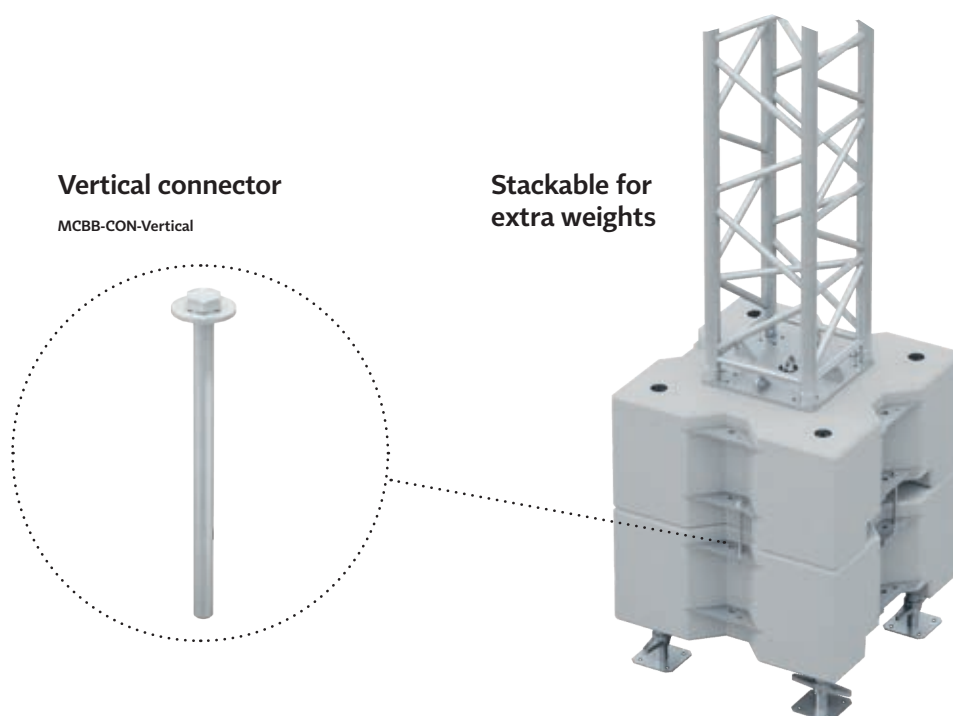
MCBB-CON-Horizontal



Vertical connector

MCBB-CON-Vertical

Stackable for extra weights



Towers

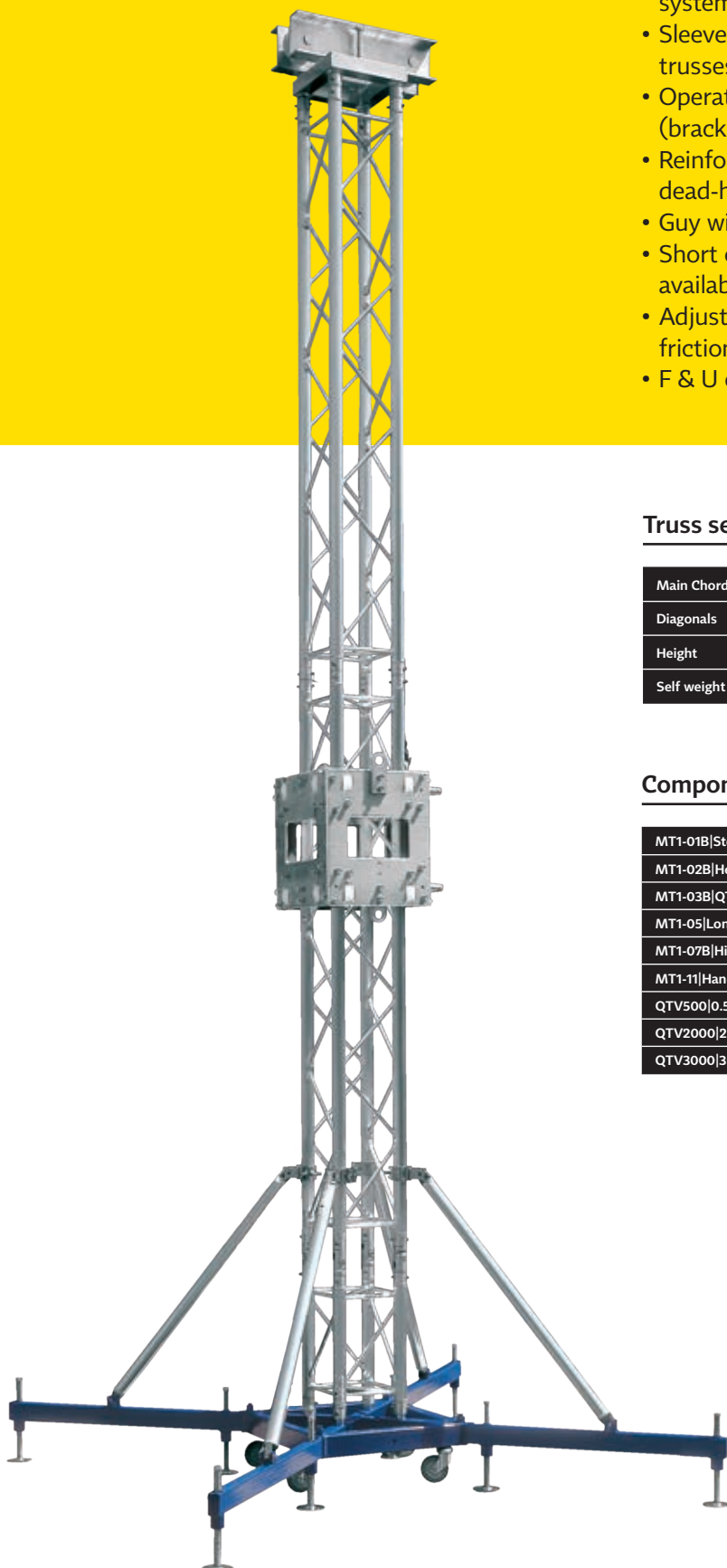
Raise your loads





Use QR code
for full range

MT1 tower



- Compact, heavy-duty M290 series tower system
- 7.5m (24.60 ft) standard height
- For use independently or within MR1T and MR2 roof systems
- Sleeve block designed for use with M290 & M390 trusses
- Operate with manual chain hoist or electric chain hoist (bracket required)
- Reinforced head section with built-in feature for dead-hanging
- Guy wire connection points via bolt-on hangers
- Short or long outriggers (incl. stabilising brace) available
- Adjustable base feet with rubber pads for optimal friction
- F & U compatible versions available

Truss series M290V

Main Chords	mm	in	48x3 (1.89x0.12)
Diagonals	mm	in	16x2 (0.62x0.08)
Height	m	ft	7.5 (24.6)
Self weight	kg	lbs	201 (443)

Components for MT1 7.5m 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

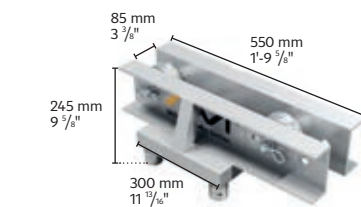
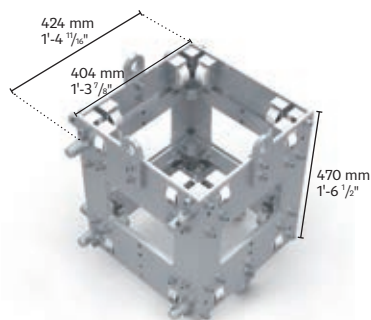


MT1-01B|SteelBase

Weight
33.00 (72.66)

Steel base

Robust steel base gives stability to the tower.
Equipped with wheels for easy positioning during setup.

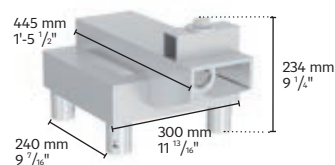


MT1-02B|HeadSection|forChain

Weight
14.30 (31.53)

Head section for chain

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

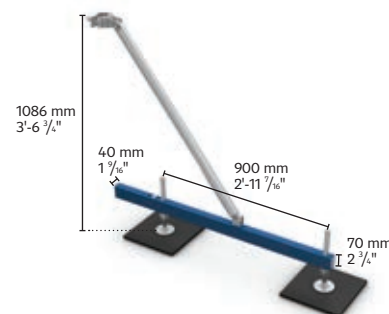


MT1-02B|HeadSection|LTG

Weight
8.00 (17.62)

Head section for steel wire

Fitted with dead hang hook

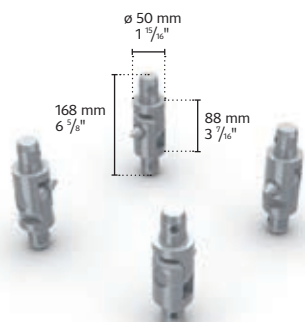


MT1-03B|QTB|SleeveBlock|Sh3.25t

Weight
46.00 (101.29)

Sleeve block

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

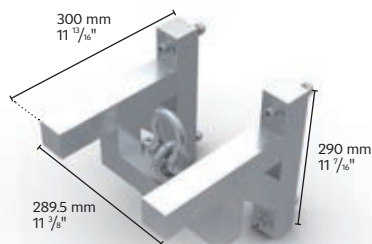


MT1-04|ShortOutrigger

Weight
5.00 (11.02)

Short outrigger

Including adjustable spindles, rubber pads

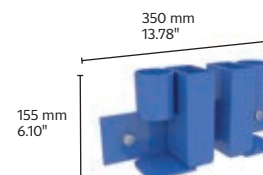


MT1-05|LongOutrigger

Weight
16.00 (35.23)

Long outrigger

1.2m (3.94") long, including adjustable spindles; rubber pads

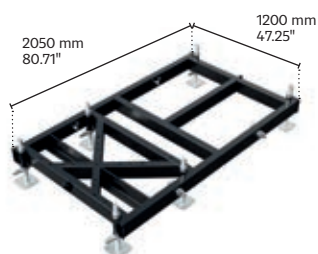


MT1-07B|SetHinge|4pcs

Weight
2.40 (5.28)

Hinges

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

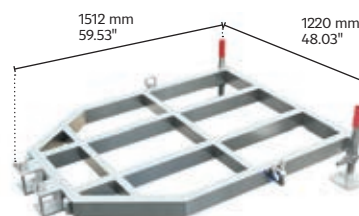


MT1-09|BracketForMotor|Sleeve

Weight
6.00 (13.21)

Bracket for chain hoist

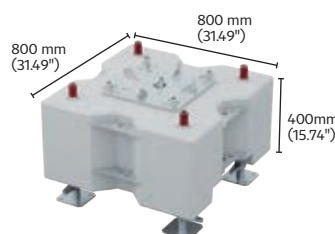
Used for electric chain hoist attachment to sleeve block to achieve max. loading



MT1-OutriggerHolder|2pcs

Weight
4.60 (20.00)

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



MT-IconBase-01|STEEL

Weight
156.00 (343.00)

Footprint extendable by outriggers on front and/or rear side to up to 7980x1200 mm

MT1-01|BallastBase

Weight
31.00 (68.34)

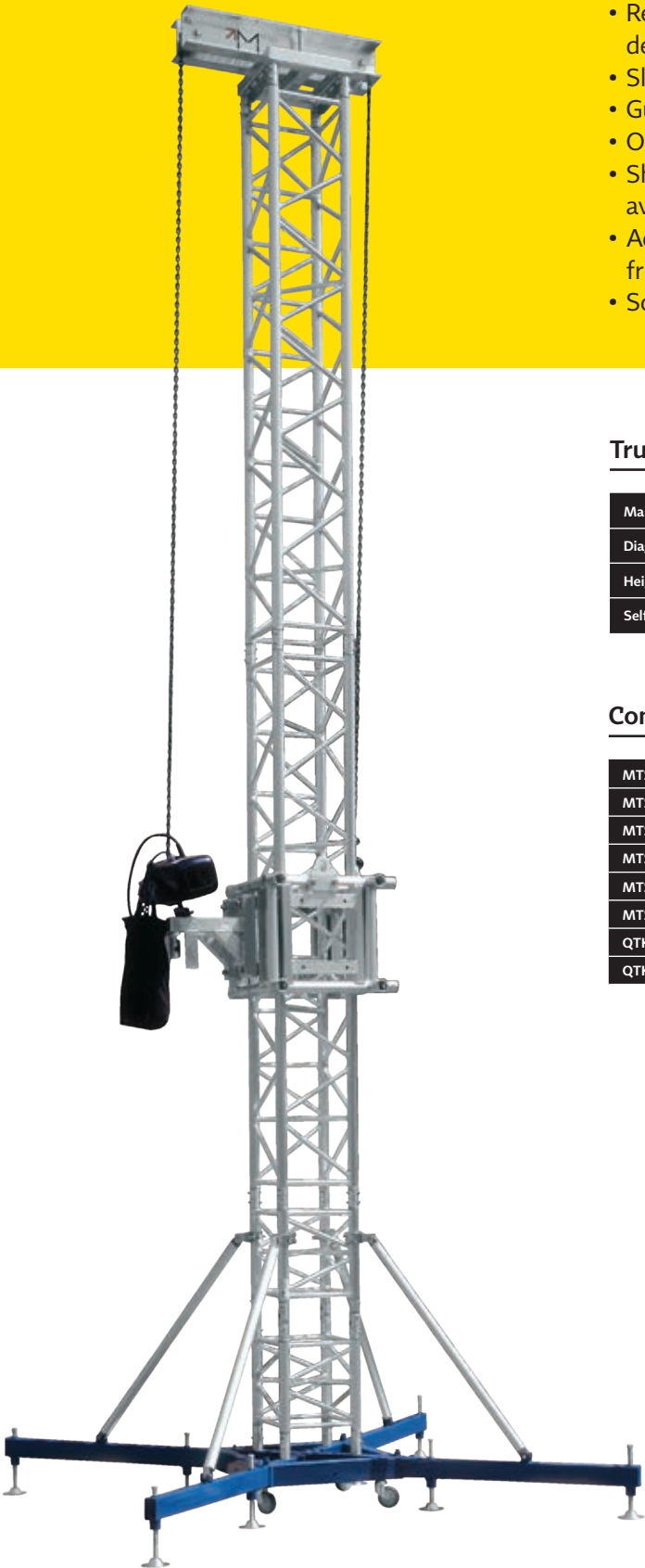
Designed to stack flat with smooth sides. Integrated guy wire points.

Concrete Ballast Base MCBB

Weight
550 (1212.5)

M290/M390 tower option

MT2 tower



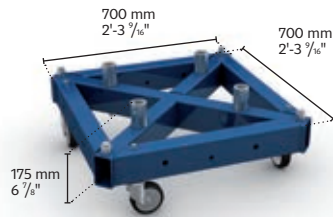
- Heavy-duty M390KT ladder truss series tower system - 12.5 m (41.0 ft) standard height
- Sleeve block options for M400 & M520 & M950 ranges
- Reinforced head section with built-in feature for dead-hanging
- Sleeve block chain hoist connection bracket available
- Guy wire connection points via extra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

Truss series M390KT

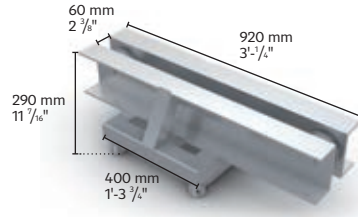
Main Chords	mm	in	50x4 (2x0.16)
Diagonals	mm	in	25x3 (0.98x0.12)
Height	m	ft	12.5 (41)
Self weight	kg	lbs	352 (776)

Components for MT2 12.5m tower

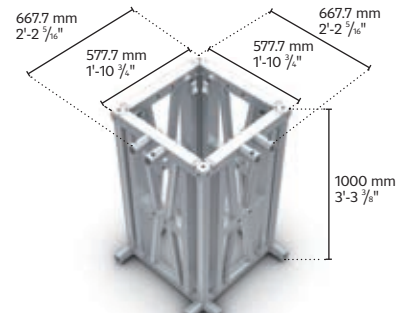
MT2-01B SteelBase	1 piece
MT2-02B HeadSection	1 piece
MT2-03 QTP/RTO SleeveBlock	1 piece
MT2-05 LongOutrigger	4 pieces
MT2-07B Hinges 4pcs	1 set
MT2-08 BracketForMotor Base	1 piece
QTKT500 0.5m	1 piece
QTKT3000 3m	4 pieces


MT2-01B|SteelBase

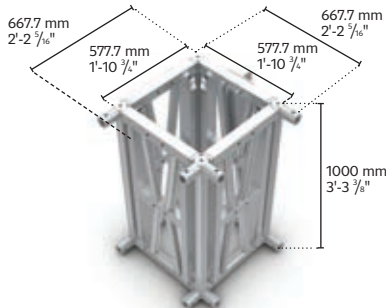
Weight	
kg	lbs
42.00	(92.48)
Steel base For use with M390KT QUATRO Equipped with wheels for easy movement during setup.	


MT2-02B|HeadSection

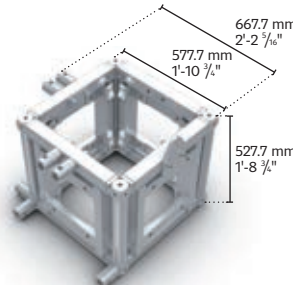
Weight	
kg	lbs
25.00	(55.05)
Head section Fitted with steel pulleys for 7 - 8mm (0.28 - 0.31") chain Alternative dimensions available after consultation	


MT2-03|FTT|SleeveBlock

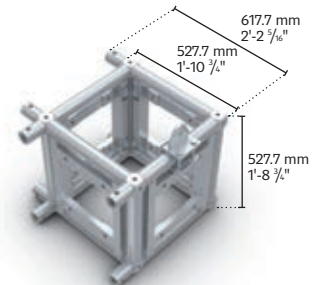
Weight	
kg	lbs
80.00	(176.37)
Sleeve block FTT Made with heavy-duty aluminium profiles connected with steel components For use with M950 folding truss	


MT2-03|RTTH|SleeveBlock

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


MT2-03|FTP|RTO|SleeveBlock

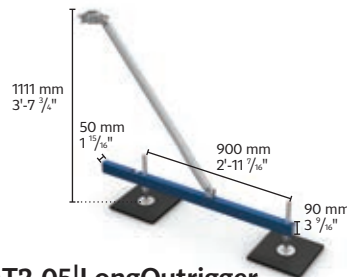
Weight	
kg	lbs
49.00	(107.90)
Sleeve Block FTP Made with heavy-duty aluminium profiles connected with steel components For use with rectangular M400 & folding M520	


MT2-03|QTP|RTO|SleeveBlock

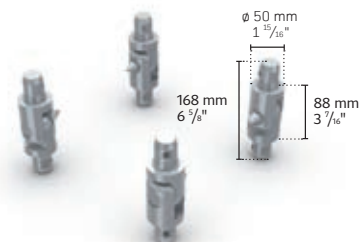
Weight	
kg	lbs
49.00	(107.90)
Sleeve block QTP Made with heavy-duty aluminium profiles connected with steel components For use with rectangular M400 & M520 QUATRO	


MT2-04|ShortOutrigger

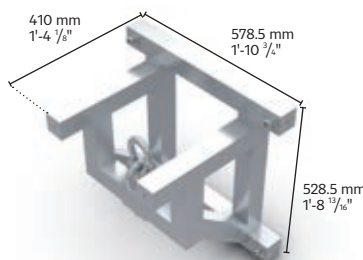
Weight	
kg	lbs
6.00	(13.21)
Short outrigger Adjustable spindles; rubber pads	


MT2-05|LongOutrigger

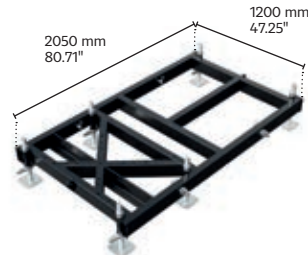
Weight	
kg	lbs
21.00	(46.24)
Long outrigger 14m (4.59') long, including adjustable spindles; rubber pads	


MT2-07B|Hinges|4pcs

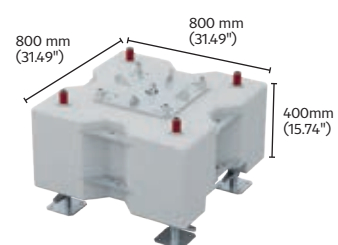
Weight	
kg	lbs
2.40	(5.25)
Hinges Used to connect the vertical tower pieces and to allow for tilt-up assembly; set of 4pcs	


MT2-09|BracketForMotor|Sleeve

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


MT-IconBase-01|STEEL

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


Concrete Ballast Base MCBB

Weight	
kg	lbs
550	(1212.5)
M290/M390 tower option	

MT3 tower

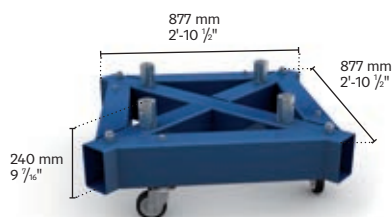
- High-capacity M520PT ladder truss series tower system - 13.5m (44.29 ft) standard height
- Sleeve block options for M400 & M520 & M950 ranges
- Reinforced head section with built-in feature for dead-hanging
- Sleeve block chain hoist connection bracket available
- Guy wire connection points via extra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

Truss series M520PT

Main Chords	mm	in	60x6 (2.36x0.24)
Diagonals	mm	in	30x3 (1.18x0.12)
Height	m	ft	13.5 (44.3)
Self weight	kg	lbs	576 (1270)

Components for MT3 13.5m 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

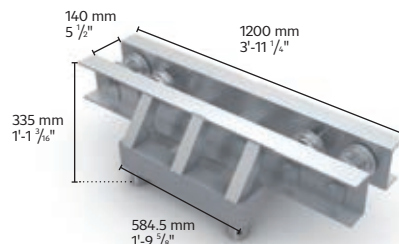


MT3-01|SteelBase

Weight	
kg	lbs
76.00	(167.35)

Steel base

For use with M520T QUATRO
Equipped with wheels for easy movement during setup.

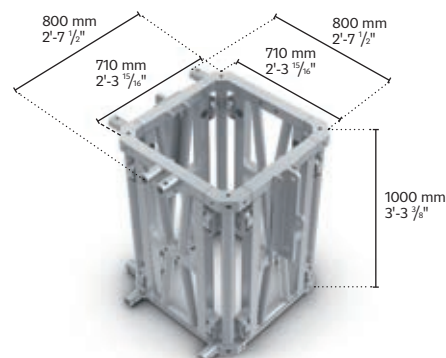


MT3-02|HeadSection

Weight	
kg	lbs
49.40	(108.78)

Head section

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

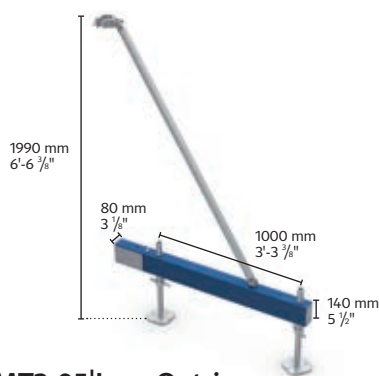


MT3-03|RTT|SleeveBlock

Weight	
kg	lbs
112.00	(246.62)

Sleeve Block FTT

Made with heavy-duty aluminium profiles connected with steel components
For use with M950 full range

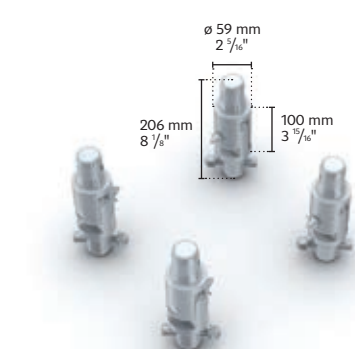


MT3-05|LongOutrigger

Weight	
kg	lbs
35.10	(77.29)

Long outrigger

14m (4.59') long, including scaffold type spindles

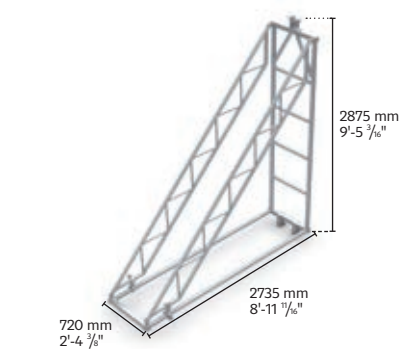


MT3-07|Hinges|4pcs

Weight	
kg	lbs
5.00	(11.02)

Hinges

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



MT3-11|Helper

Weight	
kg	lbs
81.00	(178.52)

Used for assistance in elevating the tower



MT3-10|FixSet

Weight	
kg	lbs
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
- 300 kg (660 lbs) Safety working load rated with DGUV17 / BGV C1
- Lifting operations with either electrical or manual chain hoist
- Head section equipped with double pulley system for attachment of safety chain or safety wire parallel to lifting chain
- Multiple attachment points on base for connection of hoists and safeties



Truss series M290V

Main Chords	mm	in	48 x 3 (1.89 x 0.12)
Diagonals	mm	in	16 x 2 (0.62 x 0.08)
Height	m	ft	5 (16.4)
Self weight	kg	lbs	150 (331)
WLL	kg	lbs	300 (660)
Footprint	m	ft	2.5 x 2 (8.2x6.6)
Ballast required	kg	lbs	64-153

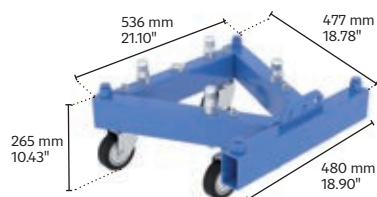
* See structural report

Components for MT-PA5030 5m 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

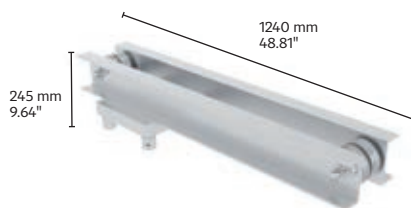
Operational specifications

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 service wind speed



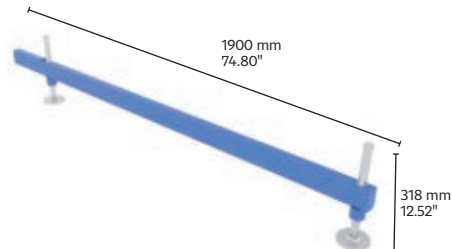
MT-PA5030-01|SteelBase

Weight	
kg	lbs
16.9	(37.3)
Steel base with wheels	



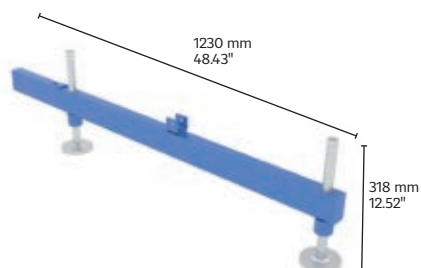
MT-PA5030-02|HeadSection

Weight	
kg	lbs
23.5	(51.8)
Fitted with steel pulleys for 7 - 8mm (0.28 - 0.31") chain	



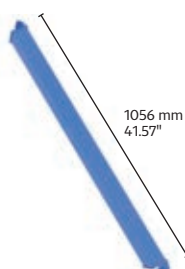
MT-PA5030|Leg

Weight	
kg	lbs
18.4	(40.6)
Including adjustable spindles	



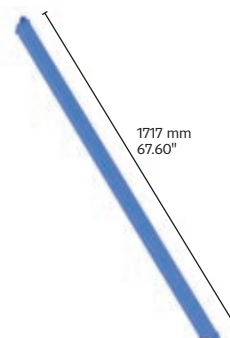
MT-PA5030-05|LongOutrigger

Weight	
kg	lbs
12.3	(27.1)
Including adjustable spindles	



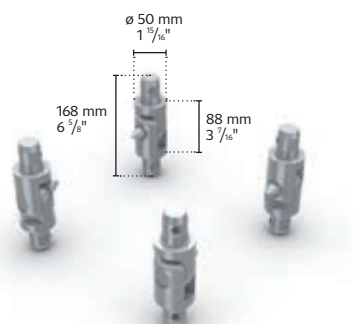
MT-PA5030|SpacerColor960

Weight	
kg	lbs
6.3	(13.9)
Spacer used as ballast base	



MT-PA5030|SpacerColor1620

Weight	
kg	lbs
10.4	(22.9)
Spacer used as ballast base	

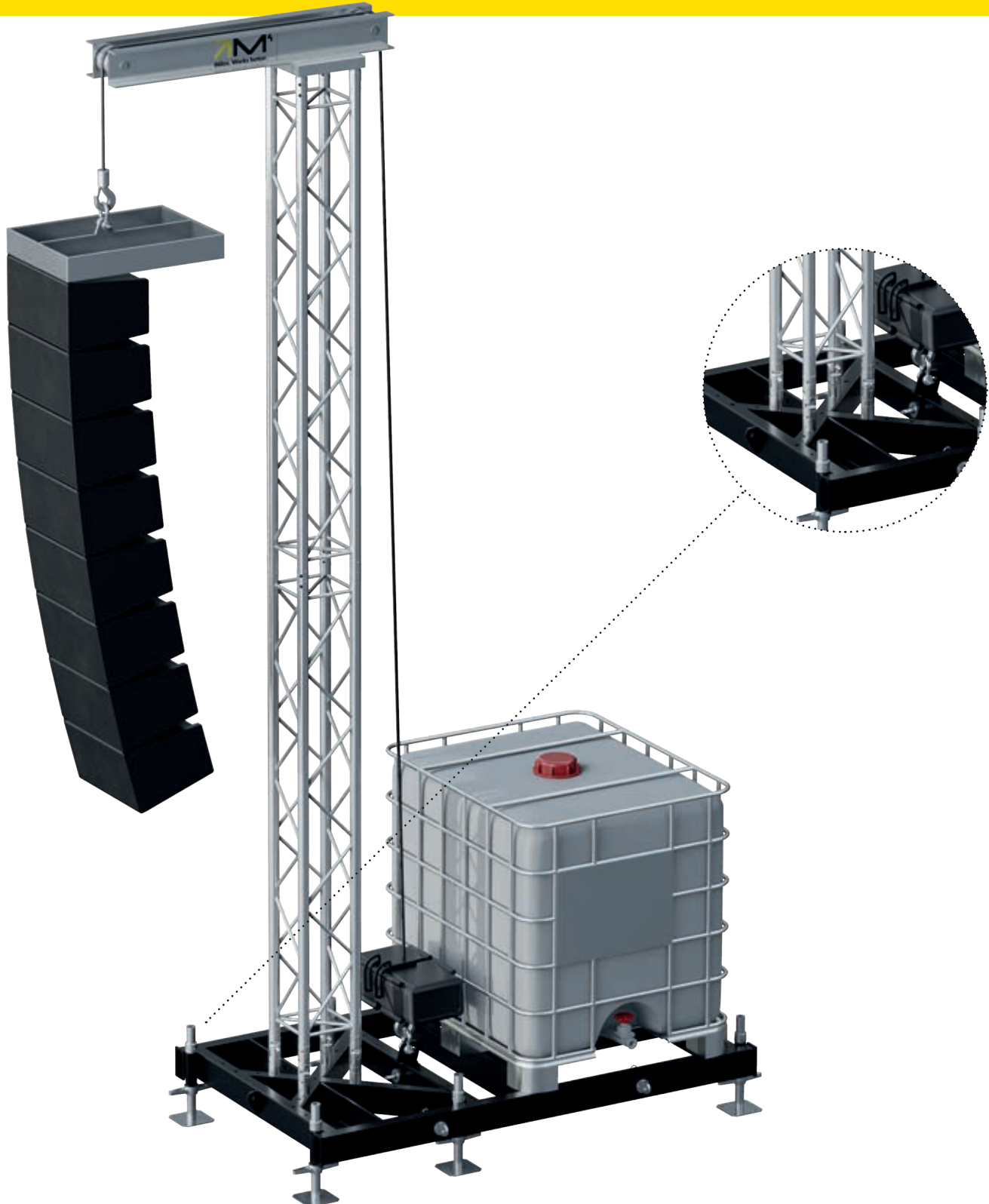


MT1-07B|SetHinge|4pcs

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

MT-ICON-PA

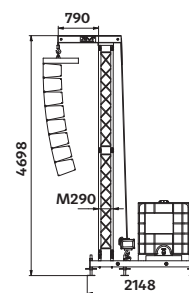
- Robust and stable due to steel MT-IconBase
- Ensures effective deployment of ballast
- Multiple attachment points on base
- Compact footprint
- Manual or electric hoist can be used on head-section or icon base connection
- Erecting helper available
- Spindle feet with large contact surface
- Quick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

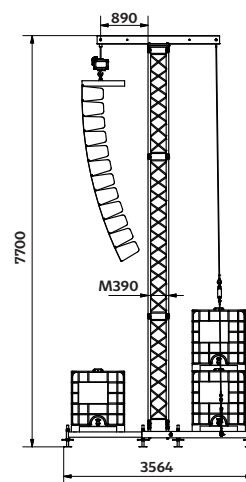
WLL	kg	lbs	400 (881.85)
Selfweight	kg	lbs	220 (485.01)
Height	m	ft	5 (16.40)
Footprint	m	ft	2.15 x 1.2 (7.05x3.93)
Ballast required	kg	lbs	1000 (2204,62)



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)

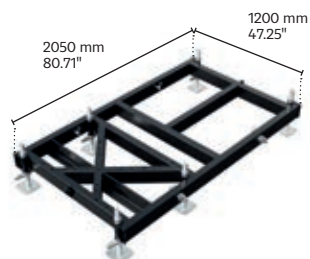
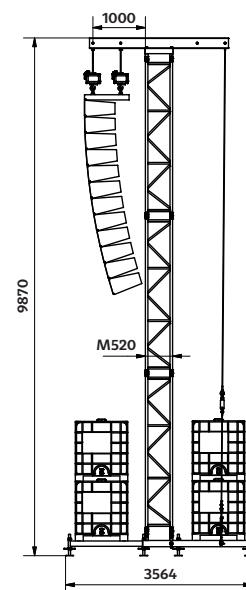
WLL	kg	lbs	800 (1763.69)
Selfweight	kg	lbs	325 (716.50)
Height	m	ft	8 (26.24)
Footprint	m	ft	3.5 x 1.2 (10.33x3.93)
Ballast required	kg	lbs	3000 (6613.86)



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)
Selfweight	kg	lbs	425 (936.90)
Height	m	ft	10 (32.80)
Footprint	m	ft	3.5 x 1.2 (10.33x3,93)
Ballast required	kg	lbs	4000 (8818.49)



MT-IconBase-01|STEEL

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



MT- Icon Base Long Outrigger

Weight	kg	lbs	21.00 (46.29)
Outrigger extension arm			



MT- Icon Base Hanger

Weight	kg	lbs	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 attachment of safety chain or safety wire parallel to lifting chain
- Multiple attachment points on base for connection of hoists and safeties

Truss series M290V

Main Chords	mm	in	48 x 3 (1.89 x 0.12)
Diagonals	mm	in	16 x 2 (0.62 x 0.08)
Height	m	ft	8 (26.3)
Self weight	kg	lbs	178 (392)
WLL	kg	lbs	750 (1653)

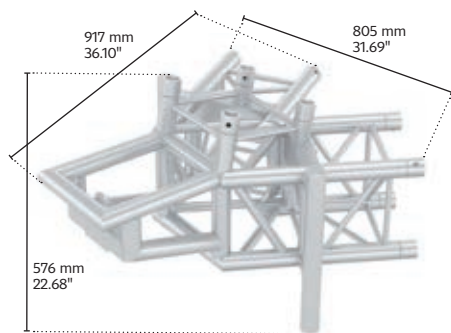
Components for MRT1 8m tower

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
ScrewjackTR38x1-590	6 pieces
QTV1000 1m	1 piece
QTV3000 3m	4 pieces

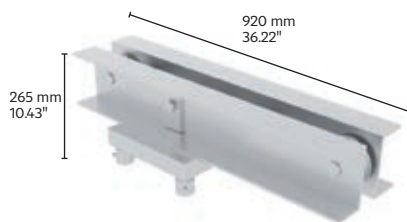
Operational specifications

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 in above service wind speed
	Out of service	28 m/s - 100 km/h - 62 mph (Max. gust wind speed)

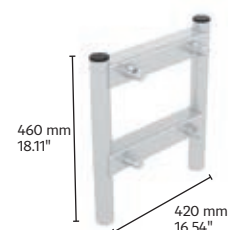
Ballast	750 kg payload with 3,0 m ² front size and 2,5 m ² side size	→ ballast 250 kg per end of long legs + 320 kg on back side
	750 kg payload with 3,0 m ² front size and 2,5 m ² side size	→ ballast 1000 kg centric on a cross beam placed on top of the legs
	400 kg payload with 1,5 m ² front size and 1,0 m ² side size	→ ballast 500 kg centric on a cross beam placed on top of the legs


MRT1-01B|BaseCorner

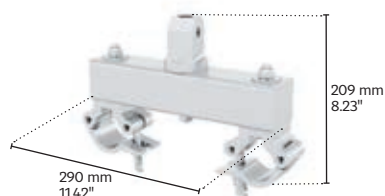
Weight	
kg	lbs
10.8	(23.8)
For use with M290 series. Equipped with bracket for chain hoist	


MRT1-02B|HeadSection

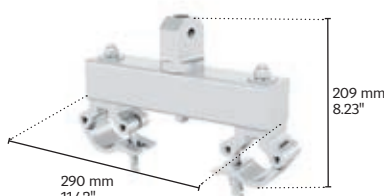
Weight	
kg	lbs
14.5	(32)
Fitted with steel pulleys for 7 - 8mm (0.28-0.31") chain	


MRT1-03B|ScrewjackAdapter

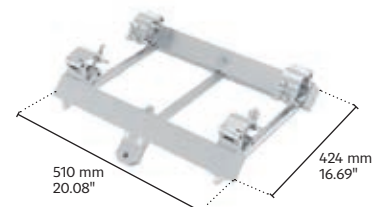
Weight	
kg	lbs
6.5	(14.3)
Adapter stand for screwjacks	


MRT1-04|StabilizerHorizontalR

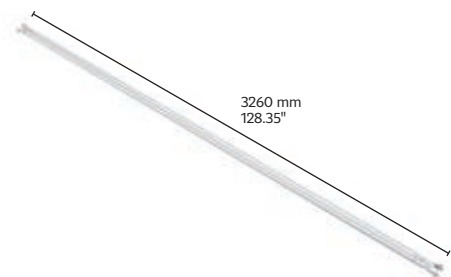
Weight	
kg	lbs
2.6	(5.7)
Stabiliser attachment horizontal Right	


MRT1-04|StabilizerHorizontalL

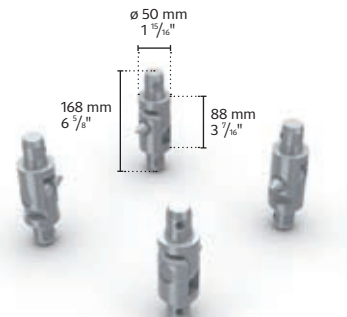
Weight	
kg	lbs
2.6	(5.7)
Stabiliser attachment horizontal Left	


MRT1-05|StabilizerVertical

Weight	
kg	lbs
7.5	(16.5)
Stabiliser attachment vertical	


MRT1-06|StabilizerTube

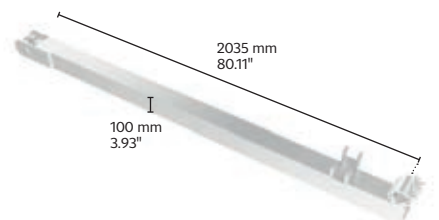
Weight	
kg	lbs
10.8	(23.8)
Stabiliser tube 60x6 mm	


MRT1-07B|Hinges|4pcs

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

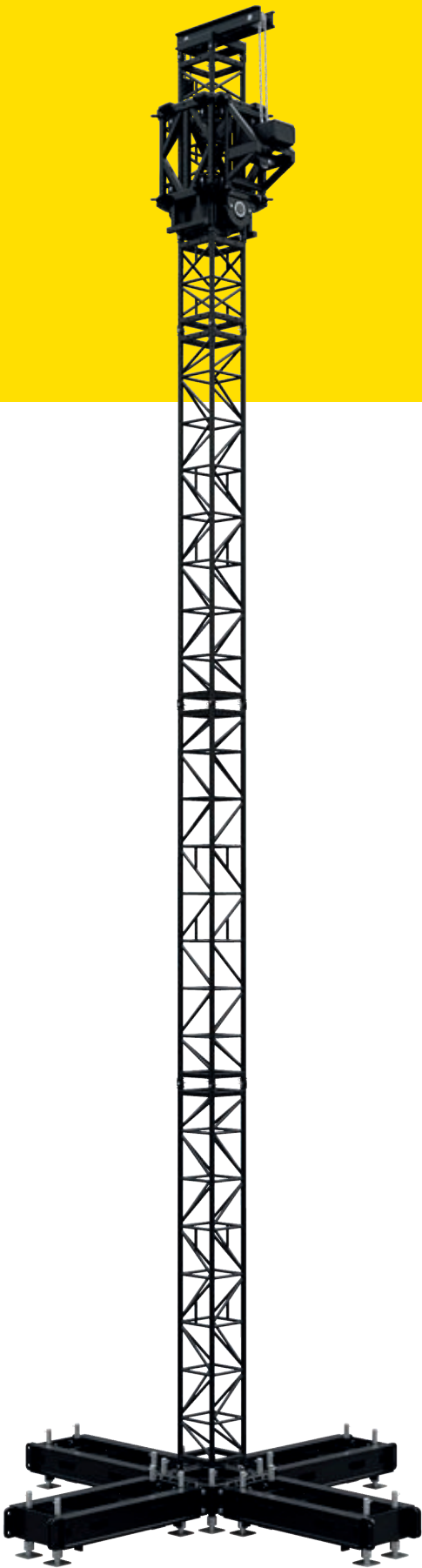

ScrewjackTR38x1-590

Weight	
kg	lbs
3.2	(7.00)
Screwjack	

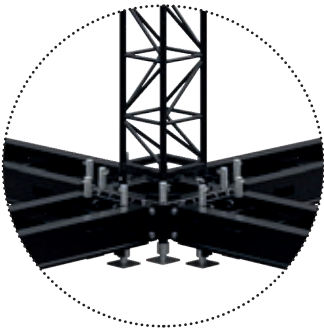

MRT1 Helper

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

S-MT-P Steel tower



- Constructed with MILOS S-QTPT Ultra-High-Strength Steel Truss (530 x 530mm: 35m span with 69kg/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 truck
- Pinned connectors for increased safety and strength
- End frames equipped with lateral connection options
- Locking unit with capacity 45 333 kg

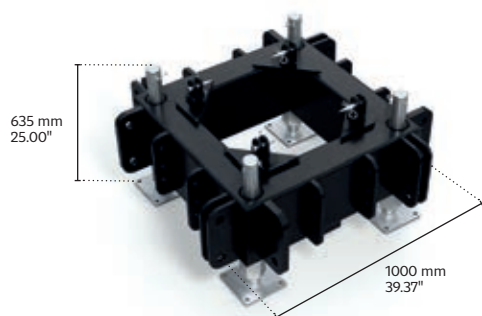


S-MT-P-16 Steel tower

Main Chords	mm	in	60.3 x 4 (2.37 x 0.16)
Diagonals	mm	in	33.7 x 2.6 (1.33 x 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 piece
S-MT-P-Bracket	1 piece
S-MT-P-10-Locking	1 piece
S-QTPT 4000	3 piece
S-QTPT 1000	2 piece



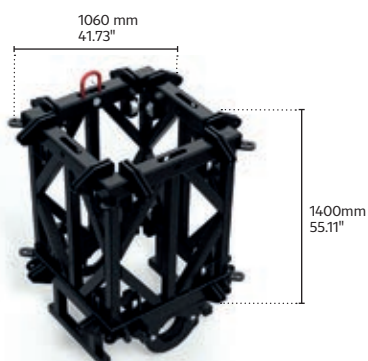
S-MT-P-01|Base

kg lbs

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.



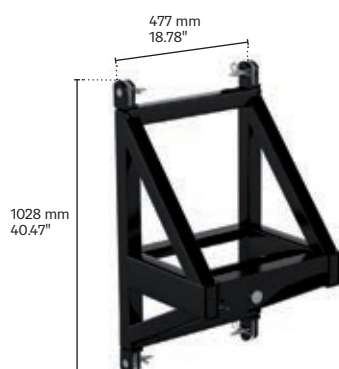
S-MT-P-03|Sleeve

kg lbs

Weight

380 (837.75)

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



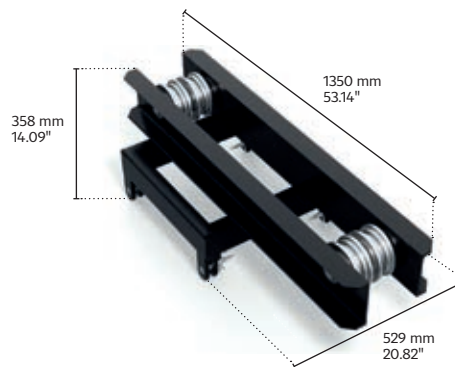
S-MT-P-09|Bracket

kg lbs

Weight

70 (154.32)

A universal chain hoist attachment point for the safe and easy mounting of up to 2.5 ton chain hoists to the sleeve block.



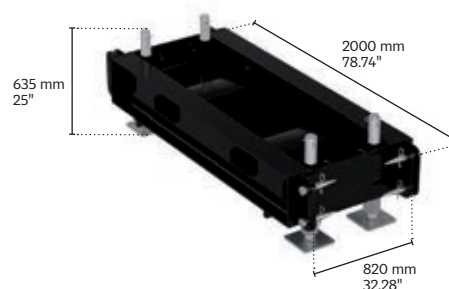
S-MT-P-02|HeadSection

kg lbs

Weight

100 (220.46)

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



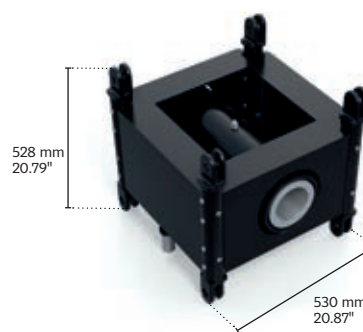
S-MT-Q-05|Outrigger2000

kg lbs

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 construction of stable grids.



S-MT-P-10|LockingUnit

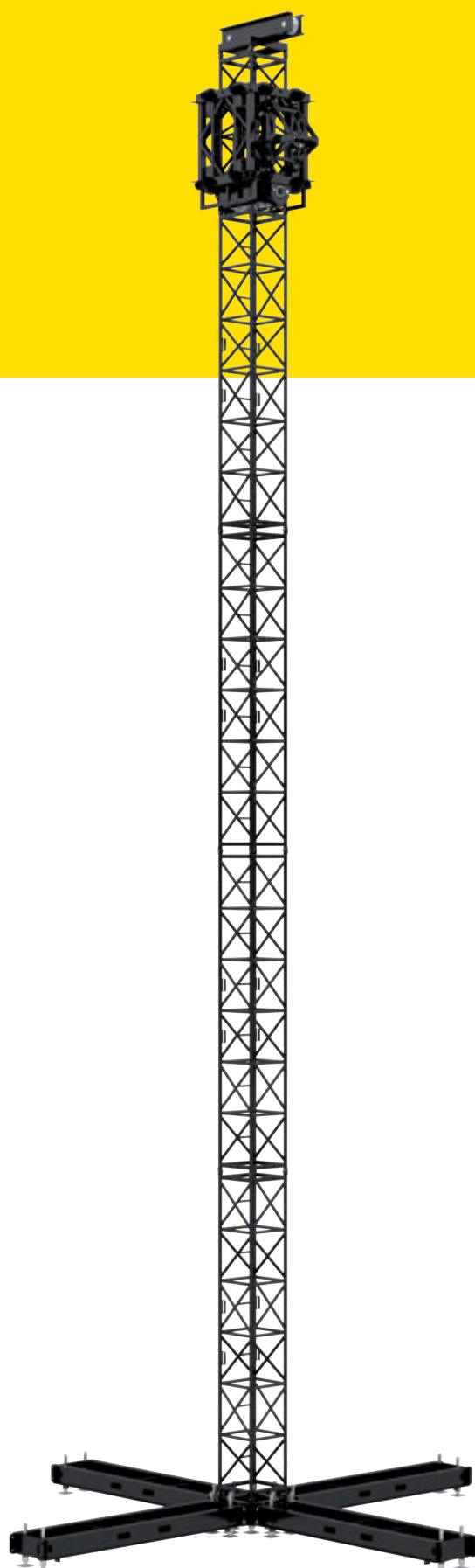
kg lbs

Weight

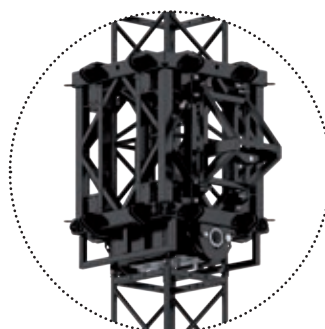
200 (440.92)

A tower truss component that features a mechanical locking system for use with our sleeve block. Its telescopic tube and easily accessible lever system locks the sleeve block down tight to provide extreme safety against downward forces of up to 45 tons, as well as protection against lift.

S-MT-Q Steel tower



- Constructed from MILOS S-QTQT Ultra High-Strength Steel Truss (780 x 780mm, 40m span with 76kg/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 20 m high tower in a guy-wire-braced ground support, the load capacity is up to 70 189 kg, or when used with Locking Unit to 45 333 kg
- Integrated ladder for easy climbing
- End frames equipped with lateral connection options

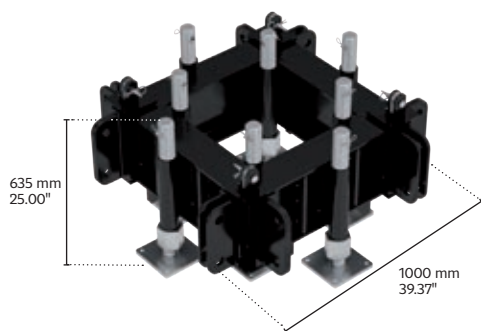


S-MT-Q Steel tower

Main Chords	mm	in	60.3 x 4 (2.37 x 0.16)
Diagonals	mm	in	48.3 x 3.2 (1.9 x 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.



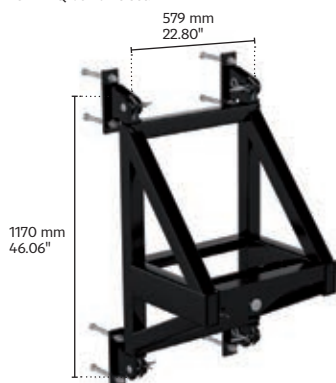
S-MT-Q-03|Sleeve

kg lbs

Weight

1050 (2314.85)

A four-way, heavy-duty steel sleeve block for use with our S-QTQT Tower. Can be attached with S-RTW truss or S-RTD truss via our S-MT-Q-03 Forks set.



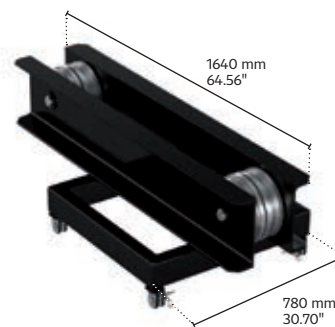
S-MT-Q-09|Bracket

kg lbs

Weight

85 (187.39)

A universal chain hoist attachment point for the safe and easy mounting of up to 2.5 ton chain hoists to the sleeve block. It has the same axis dimensions as S-RTD steel truss, fits inside S-RTW steel truss and allows lifting of up to 10 tons using a double-reeve setup.



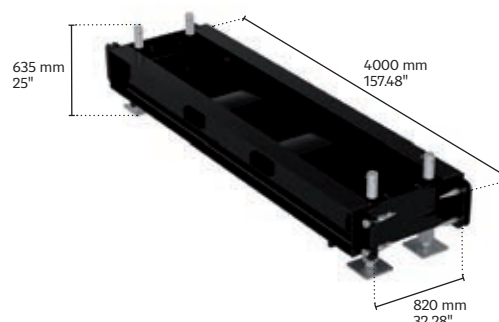
S-MT-Q-02|HeadSection

kg lbs

Weight

260 (573.20)

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



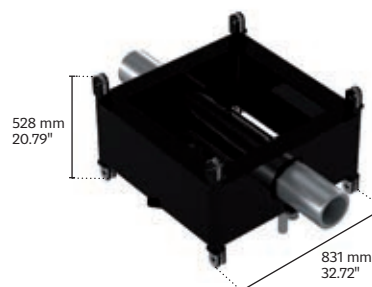
S-MT-Q-05|Outrigger4000

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 construction of stable grids.



S-MT-Q-10|LockingUnit

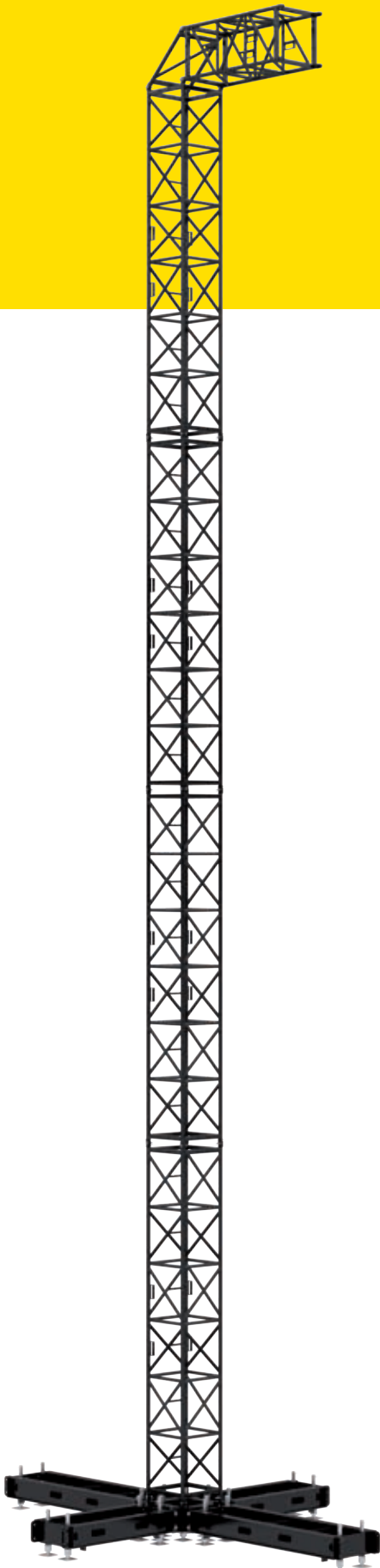
kg lbs

Weight

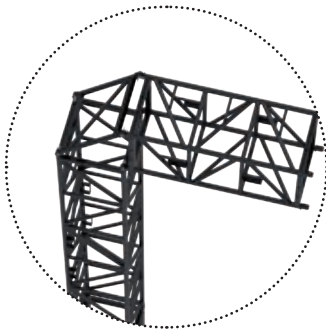
279 (615.10)

A tower truss component that features a mechanical locking system for use with our sleeve block. Its telescopic tube and easily accessible lever system locks the sleeve block down tight to provide extreme safety against downward forces of up to 45 tons, as well as protection against lift.

S-MT-PA-Steel PA Tower



- Constructed from MILOS S-QTQT Ultra High-Strength Steel Truss (780 x 780mm; 40 metre spans with UDL 76kg/m)
- Fly up to 2,500kg PA Systems up to 20 metres high
- Integrated steel base with outriggers (3m outriggers at front/back and 2m on each side)
- Steel base lugs feature a variety of guy wire attachment points
- Multiple attachment points on base for connection of hoists and safeties



Size and weight capacities:

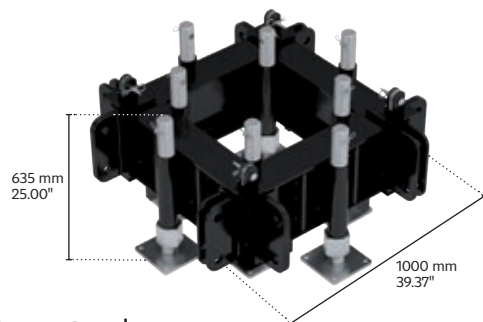
Front face of PA:	m	ft	10 m ² (32.00ft)
Side face of PA:	m	ft	5m ² max. (16.40ft)
Loading capacity:	kg	lbs	2.500 kg

S-MT-PA

Main Chords	mm	in	60.3 x 4 (2.37 x 0.16)
Diagonals	mm	in	48.3 x 3.2 (1.9 x 0.1)
Height	m	ft	21.3 (69.88)
Self weight	kg	lbs	3 850 (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



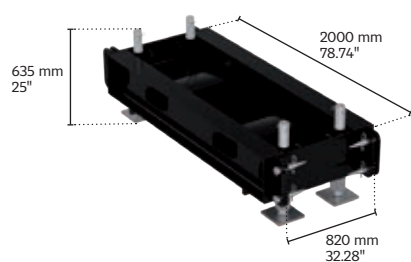
S-MT-Q-01|Base

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-05|Outrigger2000

kg lbs

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 construction of stable grids.



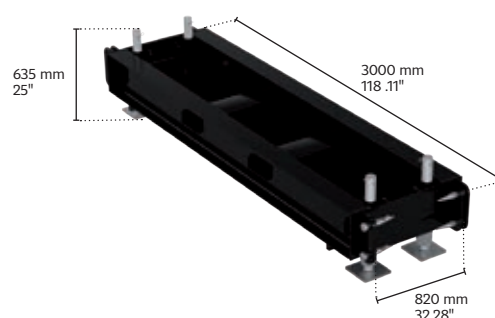
S-BTQT1018SP

kg lbs

Weight

35 (77.16)

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



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 four large spindles and features a wide range of lengths for added flexibility for construction of stable grids.



LED screen structures

Raise your loads

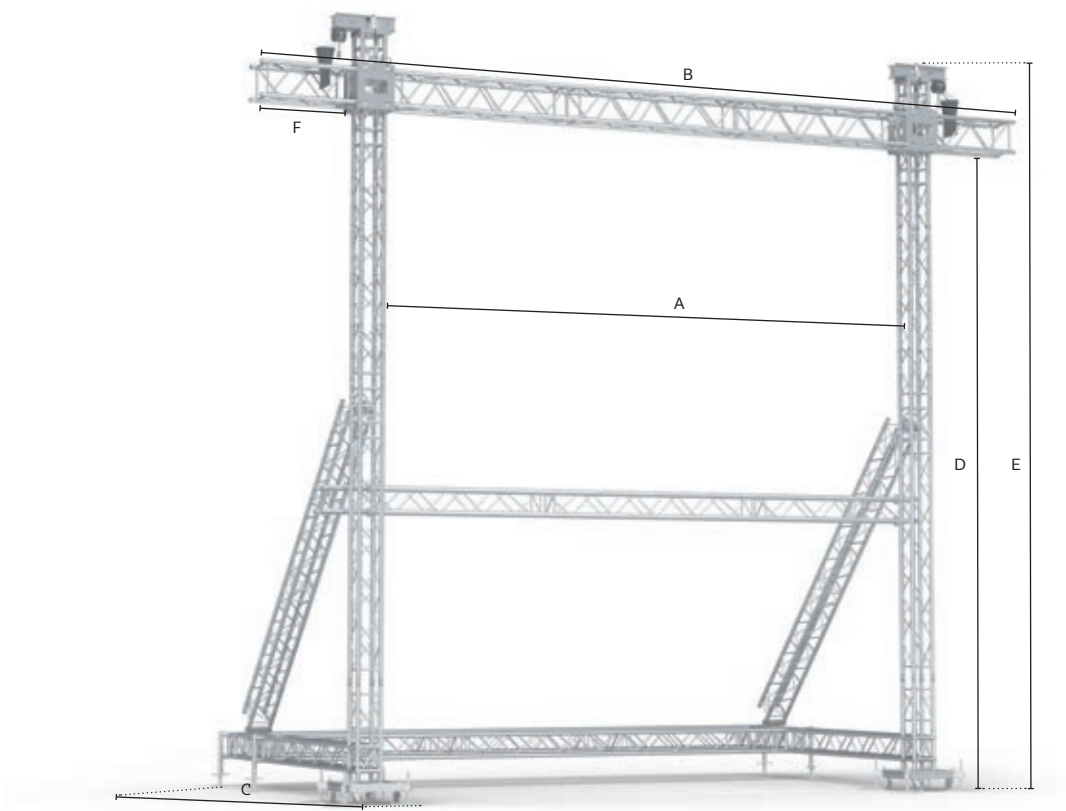




Use QR code
for full range

LSGO LED screen structure

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

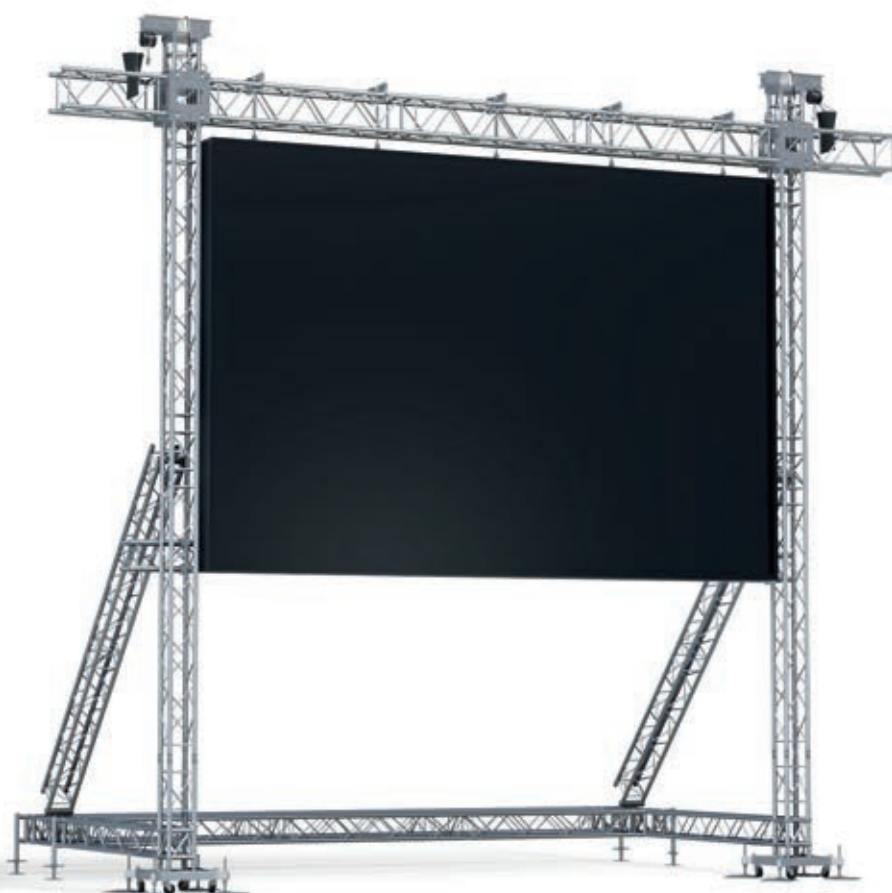


Technical specifications

		LED screen size >	6x4 m (19.70x13.10 ft)
Dimensions	A	Internal width	6.65 (21.82)
	B	Overall external width	9.39 (30.81)
	C	Overall external depth	4.48 (14.70)
	D	Clearance	7.08 (23.23)
	E	Overall height	8.03 (26.35)
	F	PA wing - internal width	1.07 (3.51)

Loading capacity

		LED screen size >	6x4 m (19.70x13.10 ft)
Loading capacity	LED Screen	UDL	250kg/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

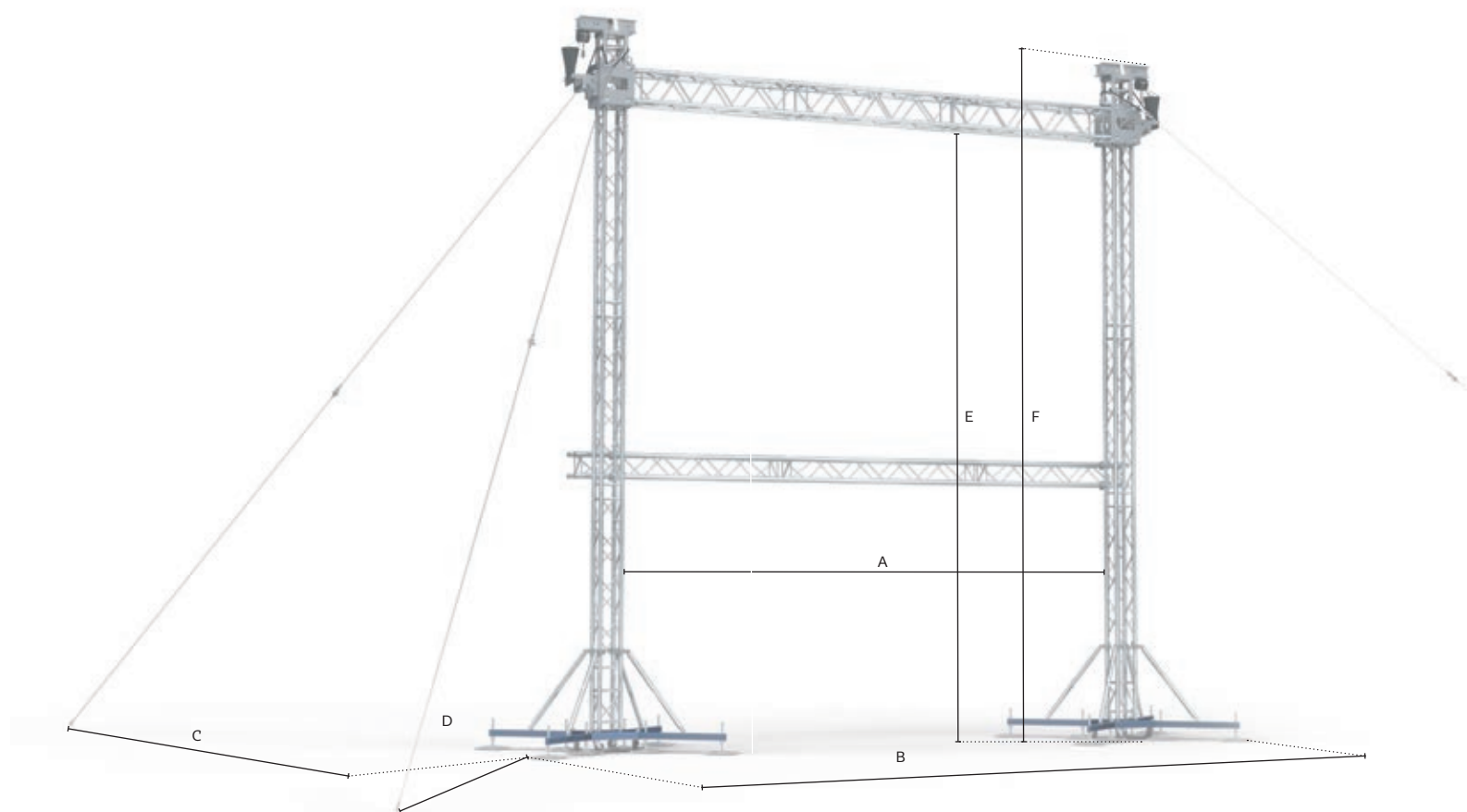
Design standards	DIN EN 13814	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures / wind
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
	• All of our structures are produced under EN 1090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

Transportation data

	LED screen size ›	6x4 m (26.24x14.76 ft)
Self-weight	* Exact self-weight depends on configuration	652 kg (1436 lbs)
Transport volume	* Packed in carton 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

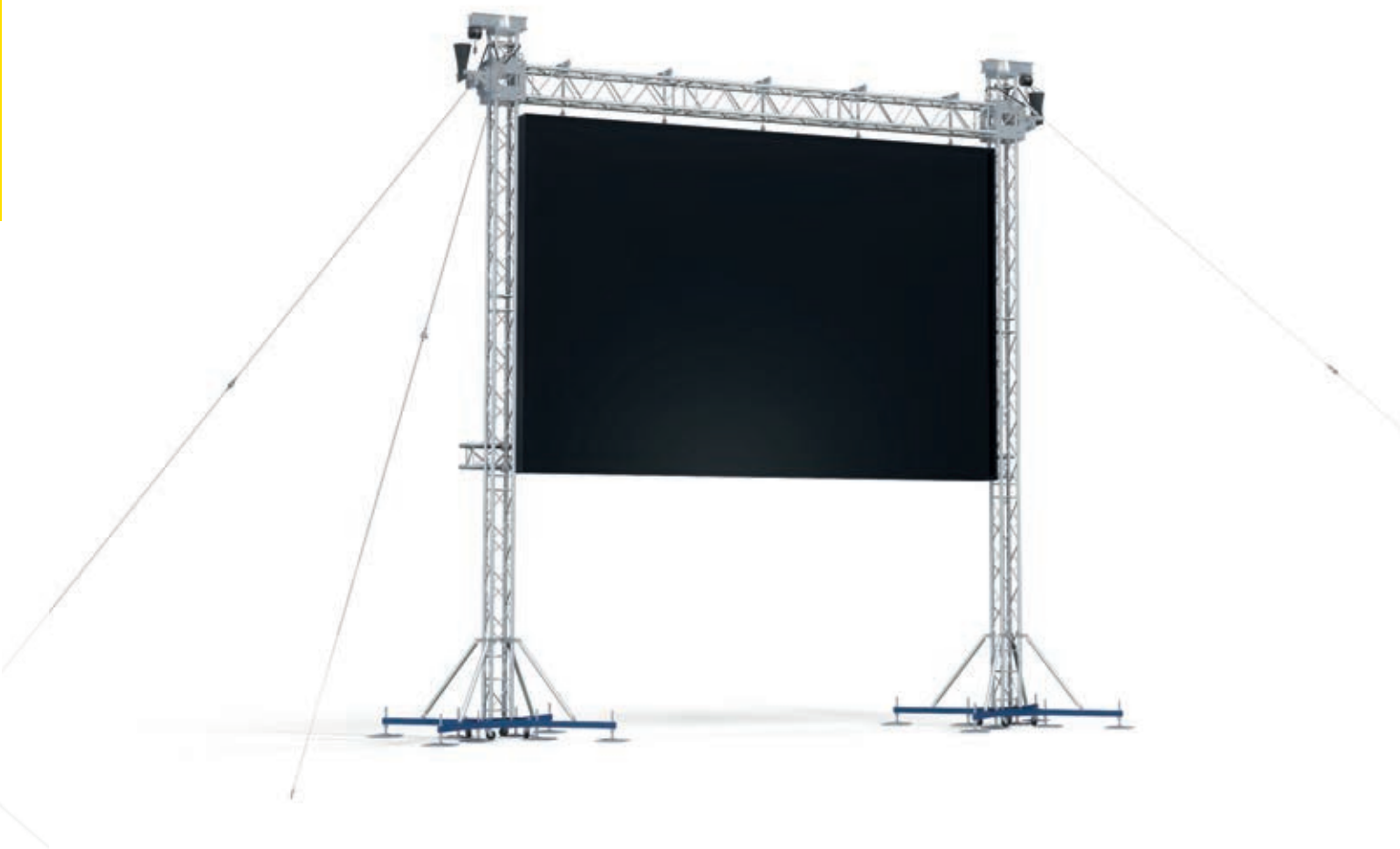


Technical specifications

		LED screen size ›	8x4.5 m (26.24x14.76 ft)	6.4x4.5 m (21.00x14.76 ft)	6x4 m (19.70x13.10 ft)
Dimensions	A	Internal width	9.32 (30.57)	7.32 (24.01)	7.15 (23.45)
	B	External width	11.94 (39.17)	9.65 (31.66)	9.49 (31.13)
	C	Width set-up area incl. guy wires	19.75 (64.80)	15.25 (50.04)	15.25 (50.02)
	D	Depth set-up area incl. guy wires	16.10 (52.82)	12.40 (40.68)	12.40 (40.67)
	E	Clearance	8.02 (26.31)	6.54 (21.46)	7.89 (25.88)
	F	Overall height	9.67 (31.72)	8.26 (27.09)	8.04 (26.37)

Loading capacity

		LED screen size ›	8x4.5 m (26.24x14.76 ft)	6.4x4.5 m (21.00x14.76 ft)	6x4 m (19.70x13.10 ft)
Loading capacity	LED Screen	4x point loads equally divided	550 (1212)	625 (1377)	250 (551)
		Max. total load	2200 (4850)	2500 (5511)	1200 (2645)
	* See structural report for exact load positioning				



Operational Specifications

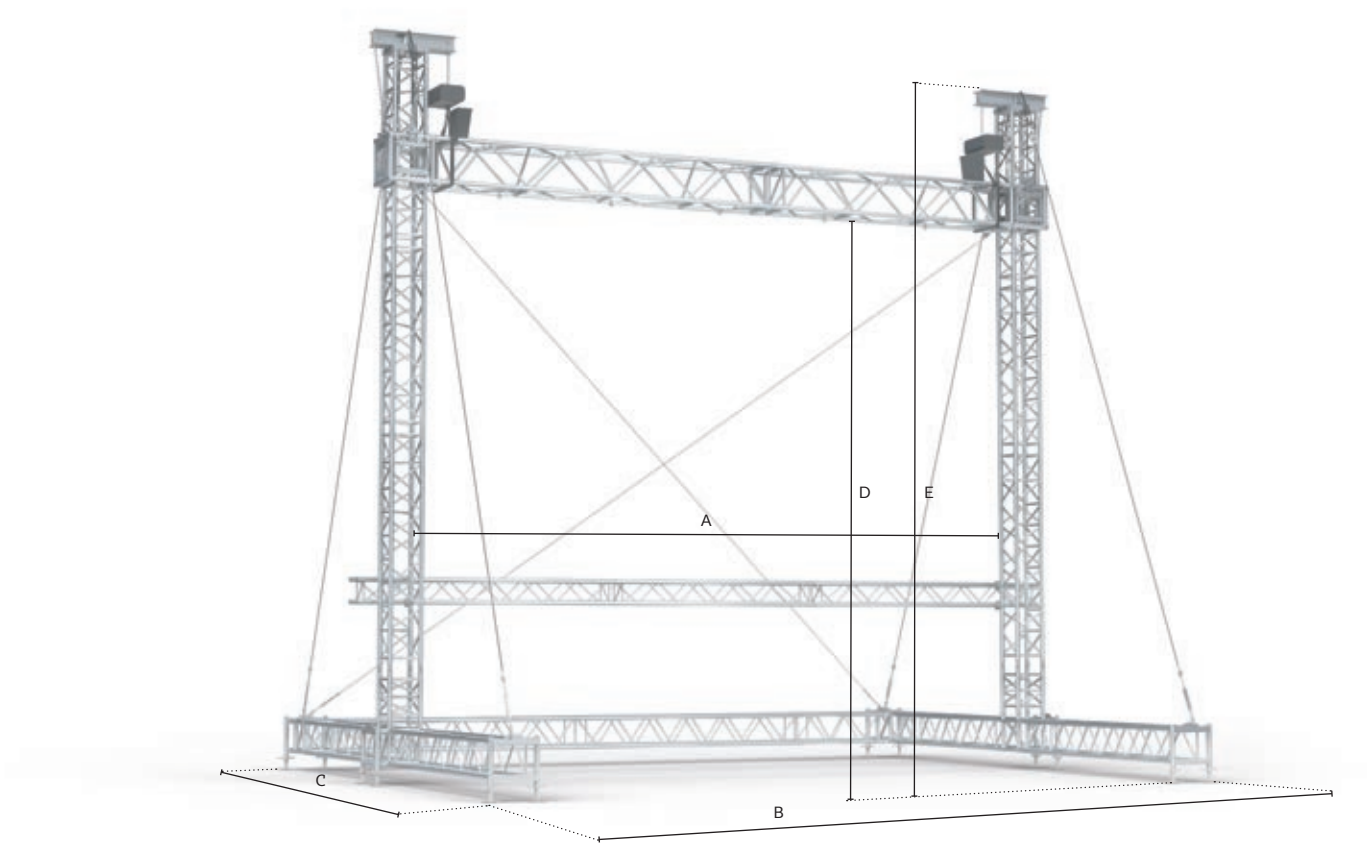
Design standards	DIN EN 13814 DIN 1055-4 DIN 4113 DIN 18800 Fairground and amusement park machinery and structures Actions on structures / wind Design of aluminium structures Design of steel structures • All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires,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

Transportation data

	LED screen size >	8x4.5 m (26.24x14.76 ft)	6.4x4.5 m (21.00x14.76 ft)	6x4 m (19.70x13.10 ft)
Self-weight	* Exact self-weight depends on configuration	850 kg (1874 lbs)	485 kg (1068 lbs)	355.00 kg (783 lbs)
Transport volume	* Packed in carton boxes and bubble foil	8 m³ (282 ft³)	6 m³ (212 ft³)	5 m³ (176 ft³)

LSG2 LED screen structures

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

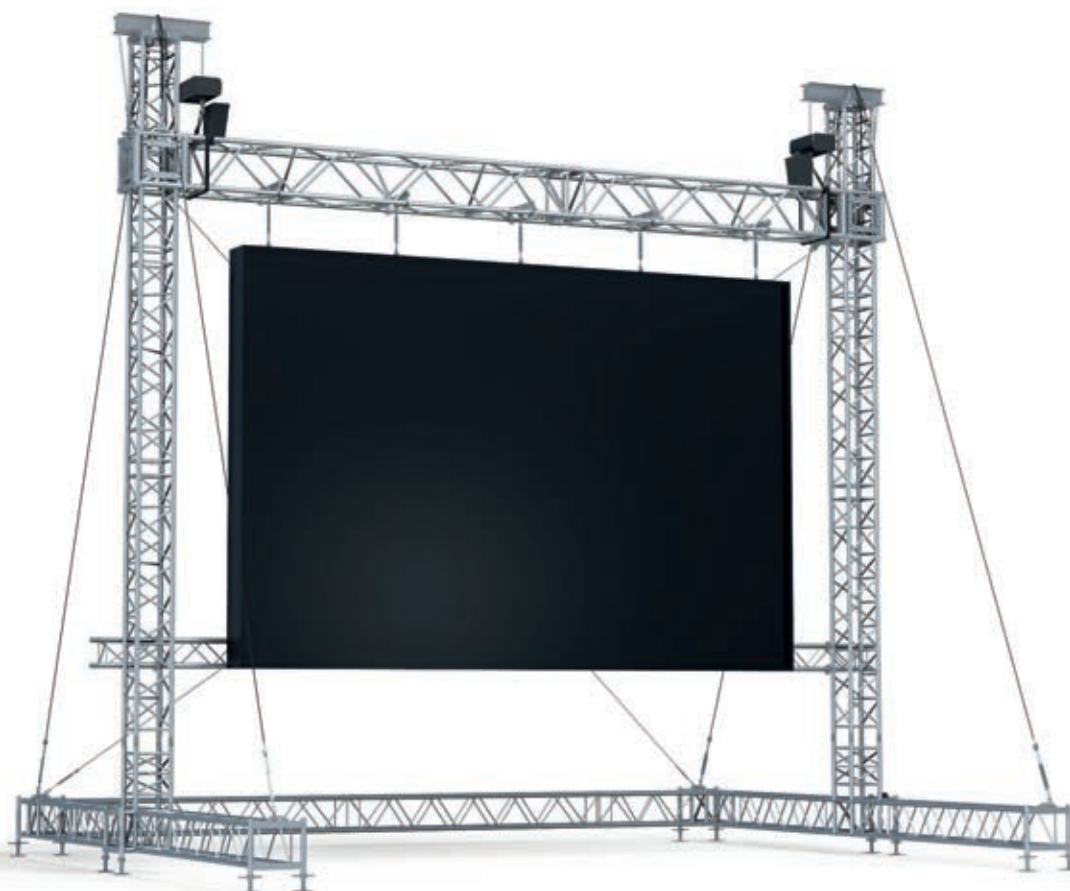


Technical specifications

		LED screen size >	6x4 m (19.70x13.10 ft)
Dimensions	A	Internal width	7.36 (24.15)
	B	Overall external width	8.50 (27.89)
	C	Overall external depth	6.83 (22.41)
	D	Clearance	6.86 (22.51)
	E	Overall height	8.52 (27.95)

Loading capacity

		LED screen size >	6x4 m (19.70x13.10 ft)
Loading capacity	LED Screen	6x point loads equally divided	416 kg (916 lbs)
		3x point loads equally divided	833 kg (1835 lbs)
		Max. total load	2500 kg (5511 lbs)
	* See structural report for exact load positioning		



Operational Specifications

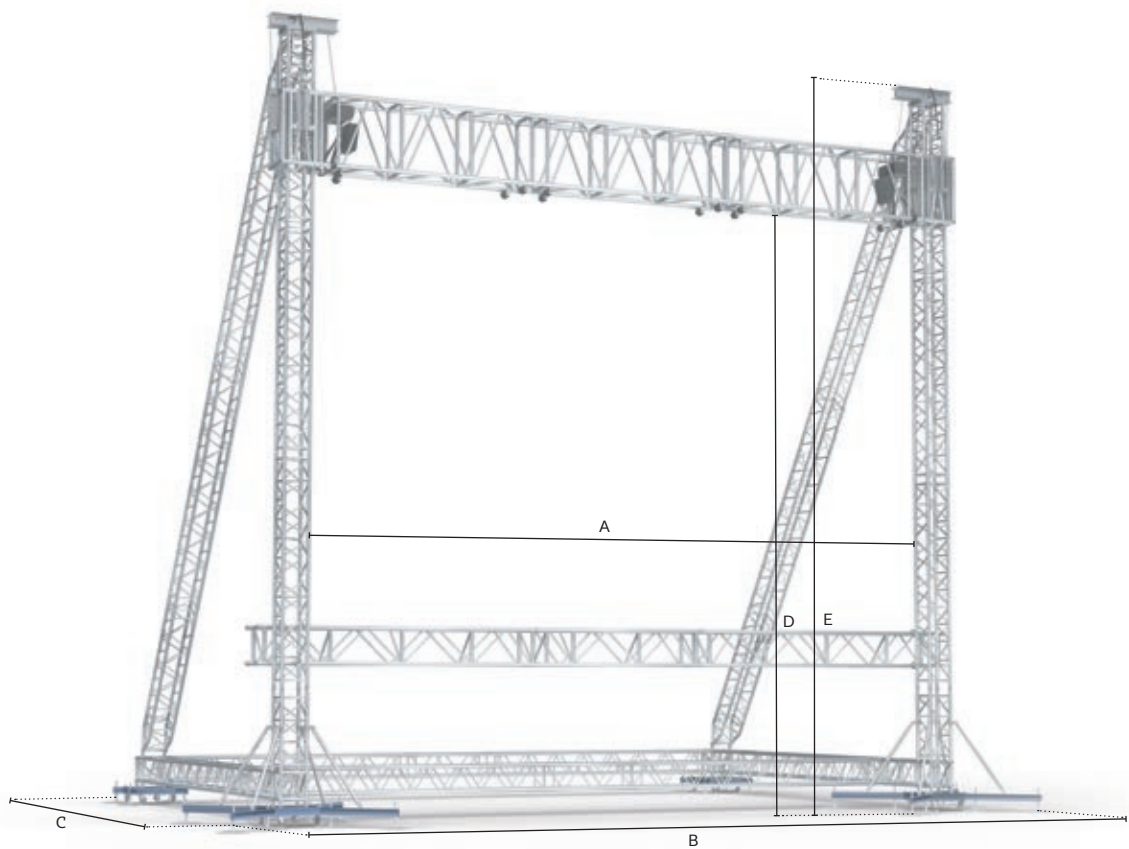
Design standards	DIN EN 13814 DIN 1055-4 DIN 4113 DIN 18800 Fairground and amusement park machinery and structures Actions on structures / wind Design of aluminium structures Design of steel structures • All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report
Wind management	Max. wind speed incl. screen 28m/s - 100km/h - 62mph (Max. basic wind speed) * Screen to be stabilised against swinging by cross truss at bottom of screen
Ballast	4x1400kg (3087 lbs); fixed weight to prevent overturning * Figure based on screwjack to timber spreader to rubber to concrete / asphalt
Customized	• Customisation, i.e. truss configuration, alternative dimensions, upon request • Always verify your screen dimensions, weight and rigging with MILOS

Transportation data

	LED screen size ›	6x4 m (19.70x13.10 ft)
Self-weight	* Exact self-weight depends on configuration	750 kg (1652 lbs)
Transport volume	* Packed in carton boxes and bubble foil	6.00 m³ (212 ft³)

LSG3 LED screen structures

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



Technical specifications

		LED screen size >	10x6 m (32.80x19.70 ft)	8x6 m 26.30x19.70 ft
Dimensions	A	Internal width	11.36 (37.26)	9.36 (30.71)
	B	Overall external width	13.99 (45.89)	11.99 (39.34)
	C	Overall external depth	8.38 (27.49)	8.38 (27.49)
	D	Clearance	8.50 (27.88)	8.31 (27.27)
	E	Overall height	10.56 (34.64)	10.56 (34.65)

Loading capacity

		LED screen size >	10x6 m (32.80x19.70 ft)	8x6 m (26.30x19.70 ft)
Loading capacity	LED Screen	6x point loads equally divided	400 kg (882 lbs)	500 kg (1101 lbs)
		4x point loads equally divided	840 kg (1852 lbs)	1000 kg (2203 lbs)
		Max. total load	3300 kg (7275 lbs)	4000 kg (8811 lbs)
	* See structural report for exact load positioning			



Operational Specifications

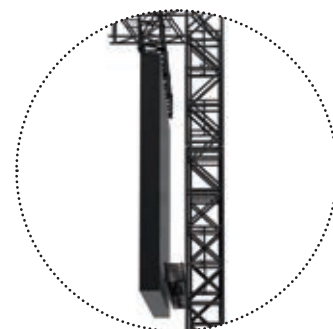
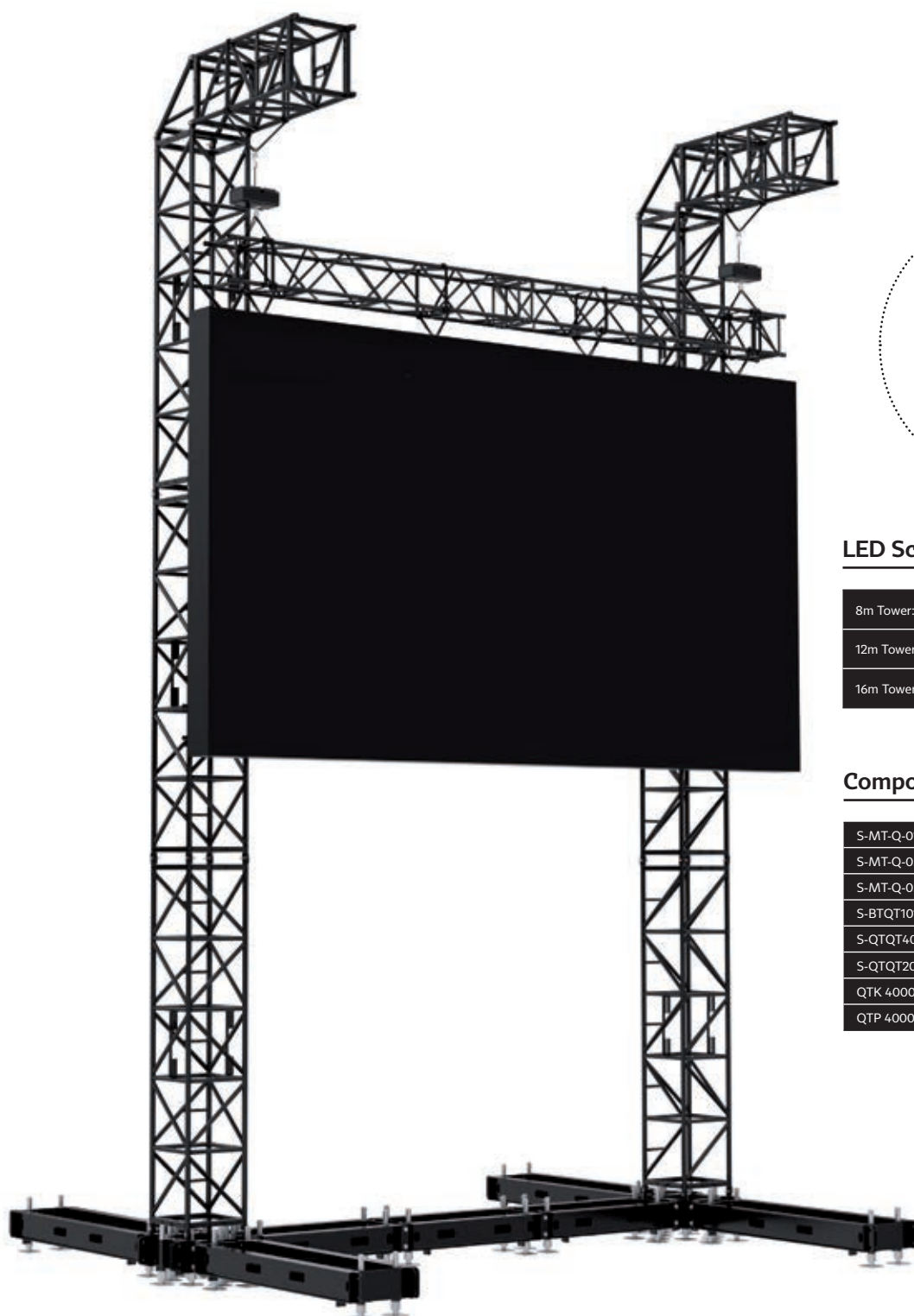
Design standards	DIN EN 13814 DIN 1055-4 DIN 4113 DIN 18800 Fairground and amusement park machinery and structures Actions on structures / wind Design of aluminium structures Design of steel structures • All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires,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

Transportation data

	LED screen size >	10x6 m (32.80x19.70 ft)	8x6 m (26.30x19.70 ft)
Self-weight	* Exact self-weight depends on configuration	2400 kg (5291 lbs)	1858 kg (4093 lbs)
Transport volume	* Packed in carton 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 x 780mm)
- Integrated steel base with outriggers (3m 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 3x more strength compared to standard S235 Steel
- Wind loading of secured structure is up to 28m/second.
- 2m-cantilever arm at the top of the tower allows for attachment of advertising element
- Durable, industrial black paint finish as standard on all truss and tower modules

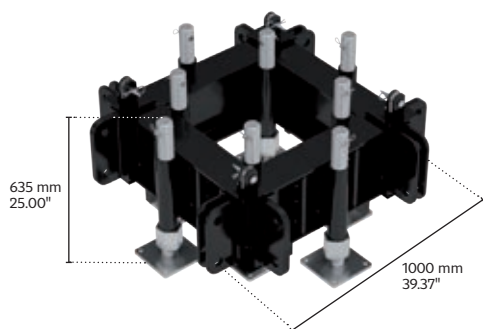


LED Screen capacities

8m Tower:	60m ² front of screen 3,000kg max. loading capacity
12m Tower:	40m ² front of screen 2,000kg max. loading capacity
16m Tower:	20m ² front of screen 1,000kg max. loading capacity

Components for LED screen Gate

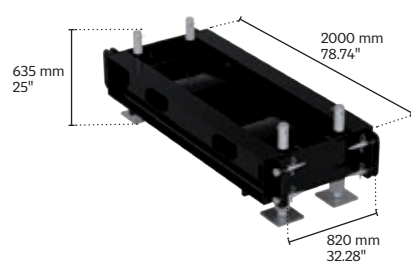
S-MT-Q-01 Base	2 pieces
S-MT-Q-05 Outrigger2000	2 pieces
S-MT-Q-05 Outrigger3000	2 pieces
S-BTQT1018sp	2 pieces
S-QTQT4000 4m	6 pieces
S-QTQT2000 2m	2 pieces
QTK 4000	2 pieces
QTP 4000	2 pieces



S-MT-Q-01|Base

Weight	
kg	lbs
495	(1091.28)

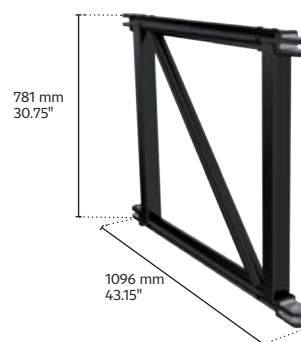
A robust steel base that is compatible with our steel S-QTQT truss. It includes 8 large steel spindles and high-grade steel outrigger connections on all sides for providing extra strength and stability to the tower.



S-MT-Q-05|Outrigger2000

Weight	
kg	lbs
440	(970.03)

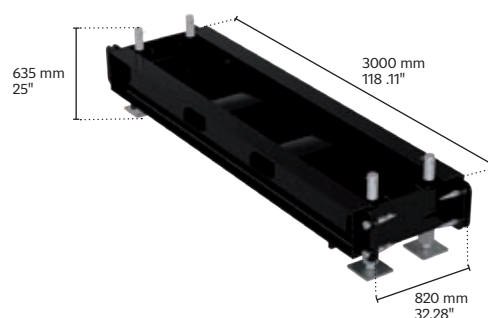
This heavy-duty steel outrigger provides extra stability for your steel towers. It comes with four large spindles and features a wide range of lengths for added flexibility for construction of stable grids.



S-BTQT1018SP

Weight	
kg	lbs
35	(77.16)

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



S-MT-Q-05|Outrigger3000

Weight	
kg	lbs
540	(1190.47)

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



Roofs

We've got you covered

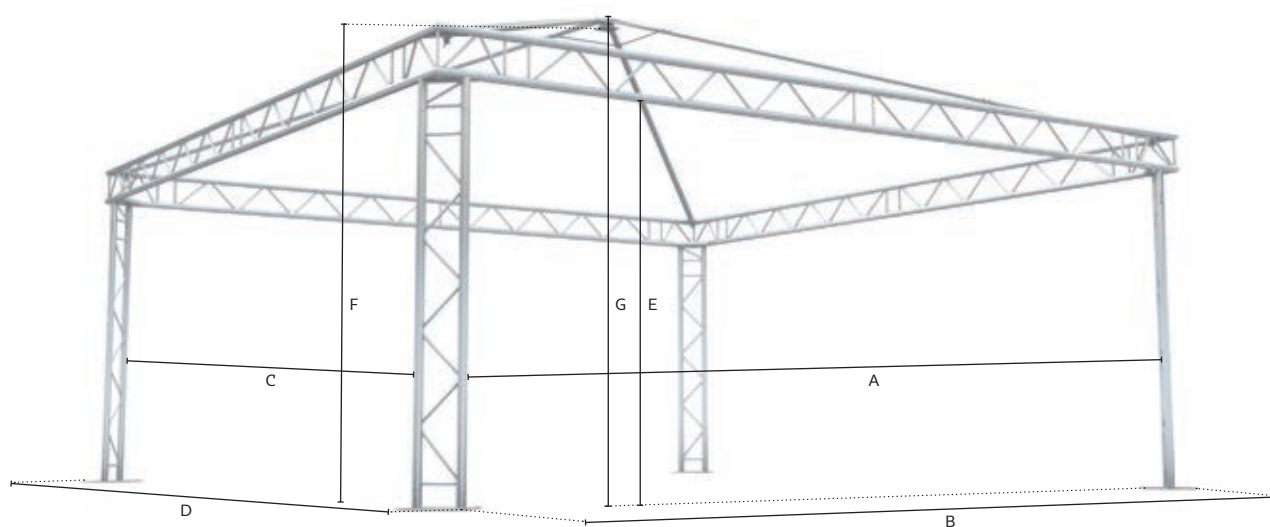




Use QR code
for full range

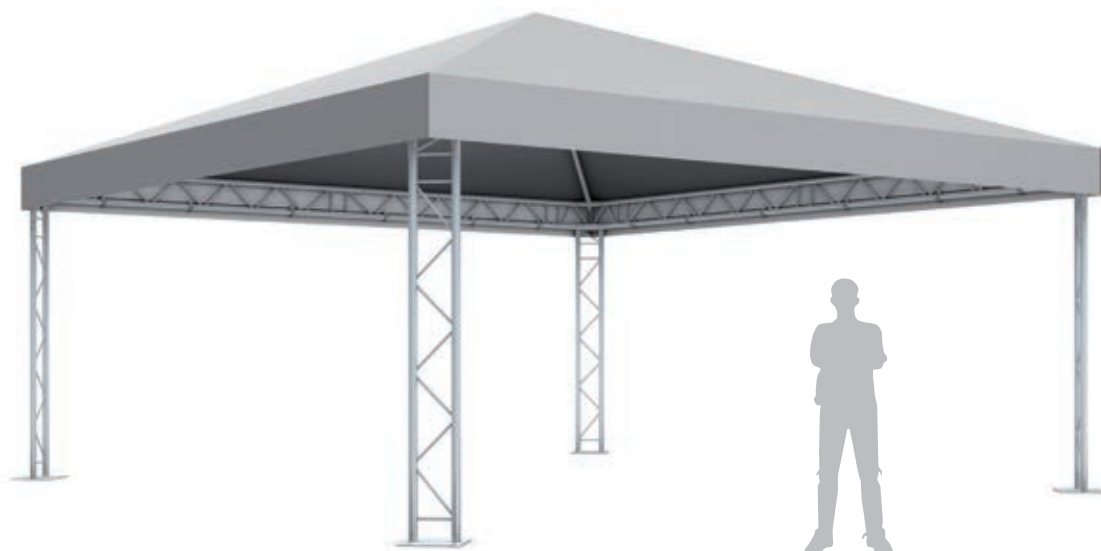
MDT1 tents

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



Technical specifications

		Size ›	6x6 m (19.7 x 19.7 ft)	5x5 m (16.4 x 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

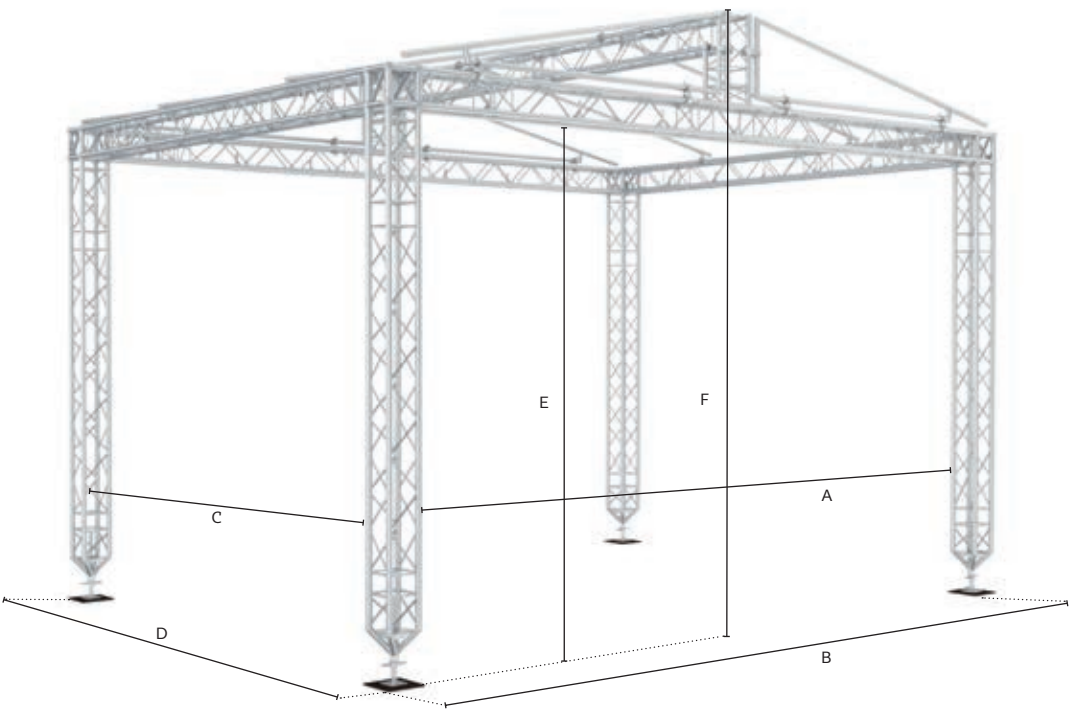
Design standards	DIN 1055-4 DIN 4112 DIN 4113 • All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	Actions on structures / wind Temporary structures Aluminium constructions
Wind management	In service No side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

Transportation data

	Size >	6x6 m	(19.7 x 19.7 ft)	5x5 m	(16.4 x 16.4 ft)
Self-weight	* Exact self-weight depends on configuration	170 kg	(374 lbs)	149 kg	(328 lbs)
Transport volume	* Packed in carton boxes and bubble foil	5.00 m³	(176 ft³)	4.00 m³	(141 ft³)

MR0 6x5 No Guy Wires

- 6x5m 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 50kg/m loading on horizontal truss sections
- Up to 200kg loads per cantilever
- Up to 30m/s wind loading in accordance with DIN EN 13814



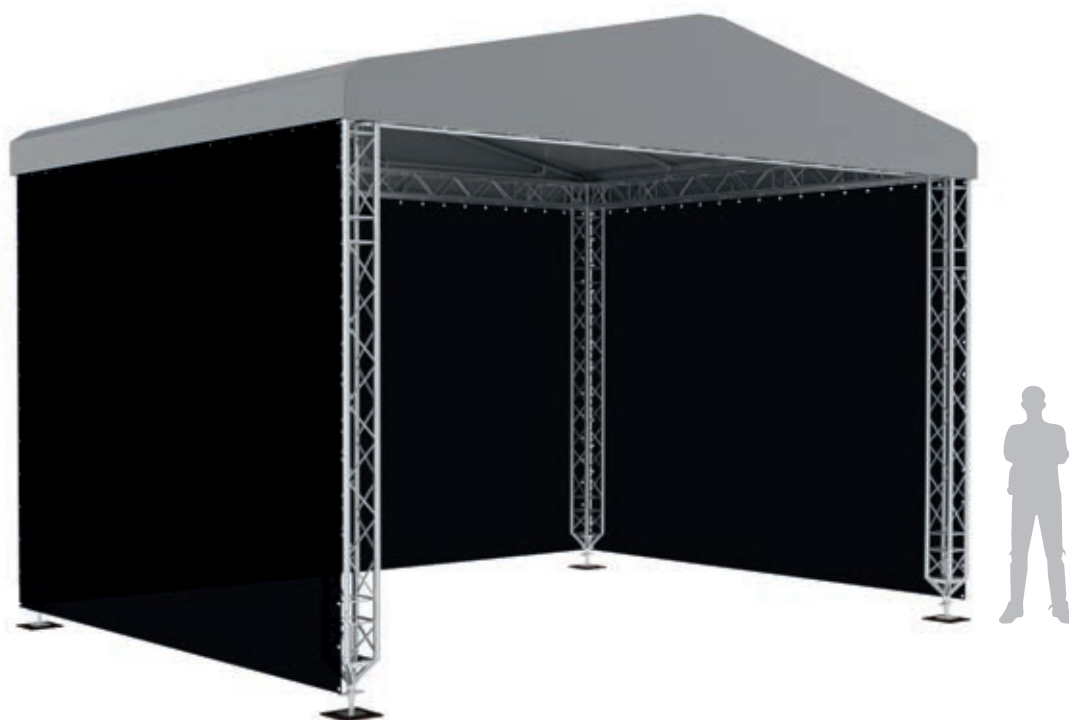
Technical specifications

MR0 - NGW 6x5

		Size ›	6x5 m	(18.68 x 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 ›	6x5 m	(18.68 x 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

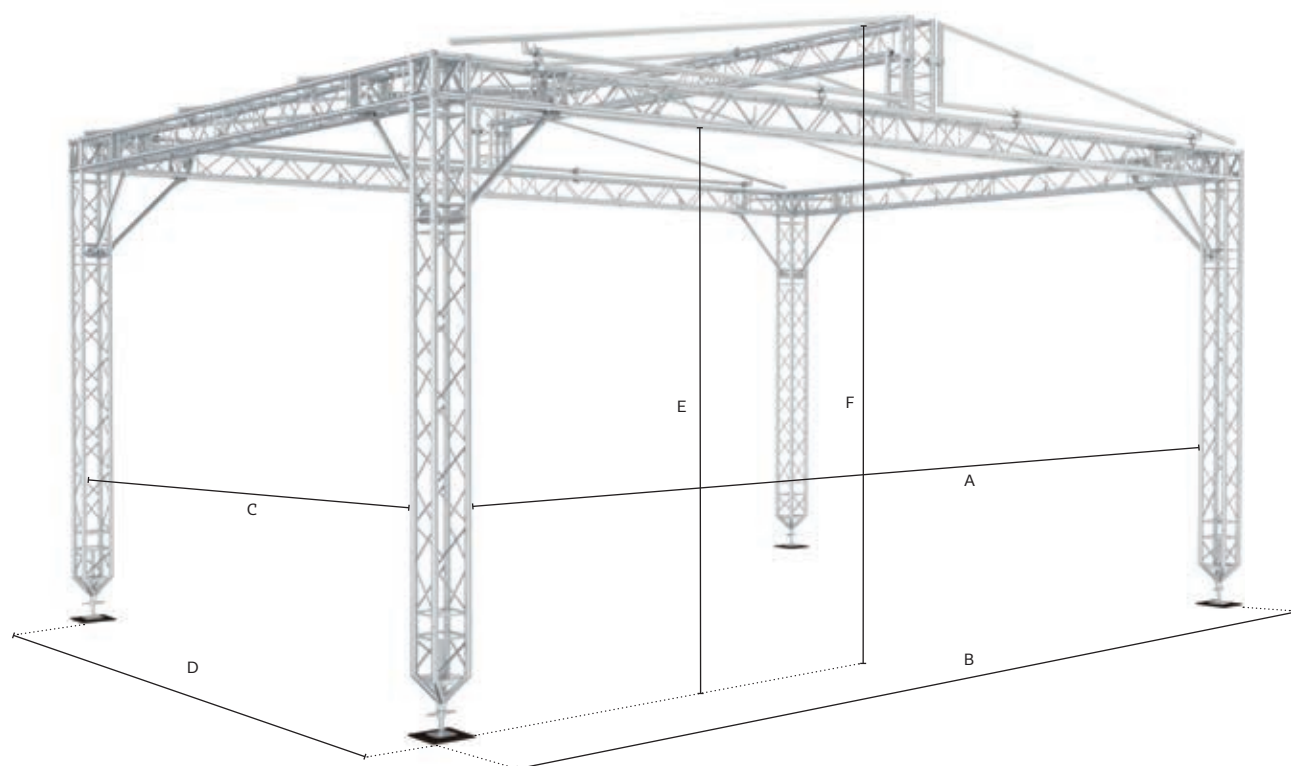
Design standards	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculation based on 100% windproof wall claddings Out of service * side claddings and equipment with large areas exposed to wind needs to be removed	17.8m/s - 64km/h - 40mph (Max. gust wind speed) up to 30,0 m/s - 108 km/h - 67 mph (depends on terrain categories)
Ballast	From 900kg / 2000lbs up to 1400kg / 3100lbs, depends on configuration, sidewing, covering, compression beam, guy wires, corner brace and other conditions.	
Canopy & sidewalls	B1 fire retardant canopy, single piece format Silvergrey, other colors or inside black on request B1 fire retardant side nets in compliance with latest Eurocode	
Customised	Customisation (i.e. truss configuration, alternative dimension, roof adjustability) on request	

Transportation data

	Size ›	6x5 m	(18.68 x 16.40 ft)
Self-weight	* Exact self-weight depends on configuratio	650 kg	(1433 lbs)
Transport volume	* Packed in carton boxes and bubble foil	7 m³	(247.2 ft³)

MRO 8x6m No Guy Wires

- No guy wires required due to implementation of Corner Brace HD
- Decreased times for roof construction
- Reduced ballast requirements
- Up to 30kg/m loading on horizontal truss sections
- Up to 200kg loads per cantilever
- Up to 30m/s wind loading in accordance with DIN EN 13814
- Using M290 QTVU allows loading capacity up to 60kg/m plus 300kg per PA.
- Clear area from all sides
- Adjust to terrain due to screwjack leg 572-950mm



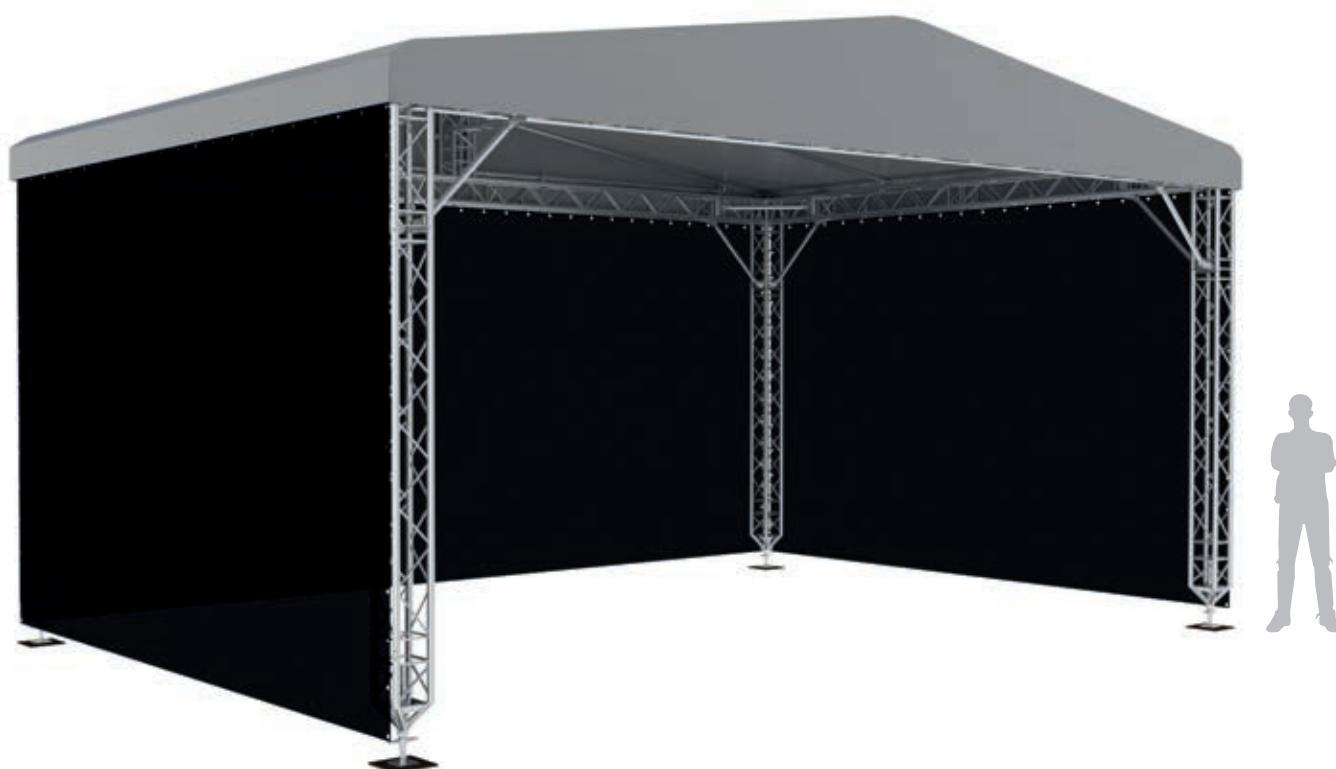
Technical specifications

MRO - NGW 8x6

		Size ›	8x6 m	(26.24x19.68)
Dimensions	A	Internal width	8.73 m	(28.64 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 ›	8x6 m	(26.24x19.68)
Loading capacity	Main grid (UDL)	QTB, QTV	Front + Back 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

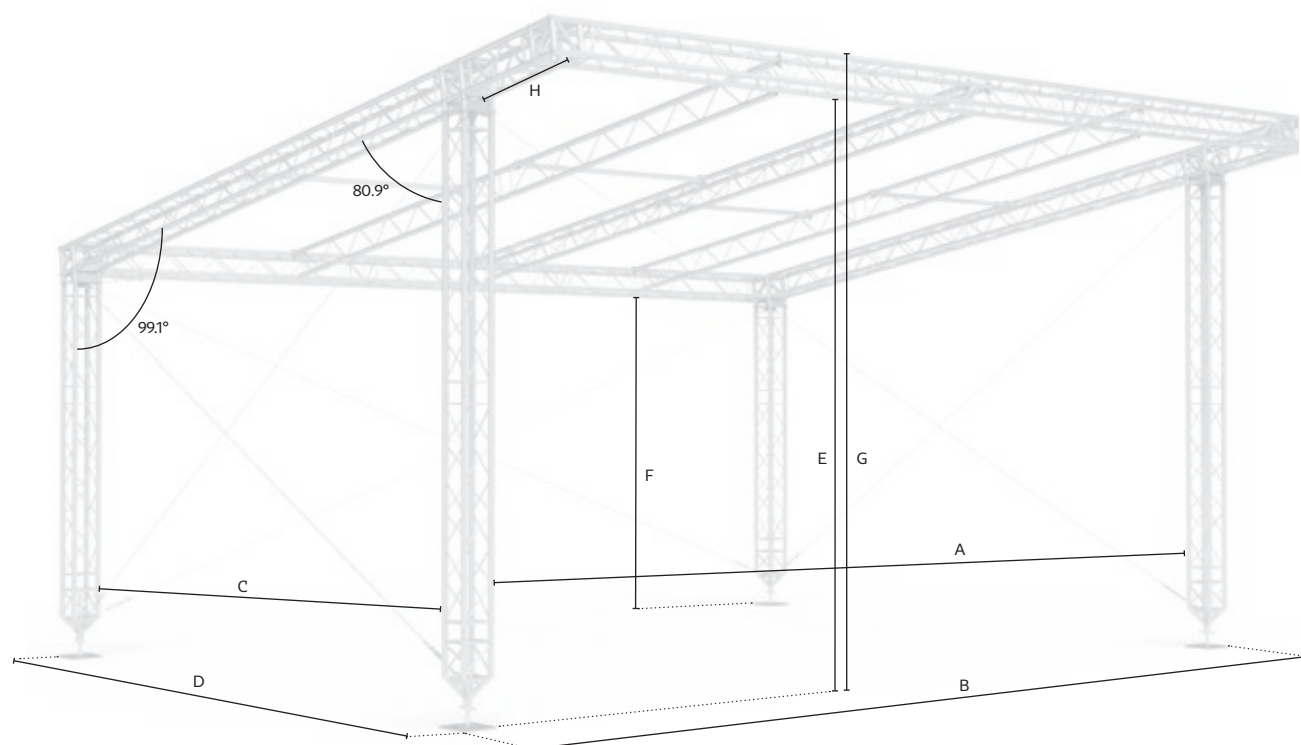
Design standards	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculation based on 100% windproof wall claddings Out of service * side claddings and equipment with large areas exposed to wind needs to be removed	17.8m/s - 64km/h - 40mph (Max. gust wind speed) up to 30,0 m/s - 108 km/h - 67 mph (depends on terrain categories)
Ballast	From 1050kg / 2314lbs up to 1875kg / 4133lbs , depends on configuration, sidewing, covering, compression beam, guy wires, corner brace and other conditions.	
Canopy & sidewalls	B1 fire retardant canopy, single piece format Silvergrey, other colors or inside black on request B1 fire retardant side nets in compliance with latest Eurocode	
Customised	Customisation (i.e. truss configuration, alternative dimension, roof adjustability) on request	

Transportation data

	Size ›	8x6 m	(26.24x19.68)
Self-weight	* Exact self-weight depends on configuratio	855 kg	(1884 lbs)
Transport volume	* Packed in carton boxes and bubble foil	8.50 m³	(300.10 ft³)

MRO sloping roofs

- 8x6m (26.25x19.89 ft) Sloping Roof set-up for temporary events
- Heavy-duty M290 Quatro structure with Duo canopy support
- Gentle sloping roof design using special wedges & reinforced multi-cubes
- Supplied complete with internal wind bracing wires & connection accessories
- Full structural calculation report & build manual available
- PVC roof colour options and side walls available

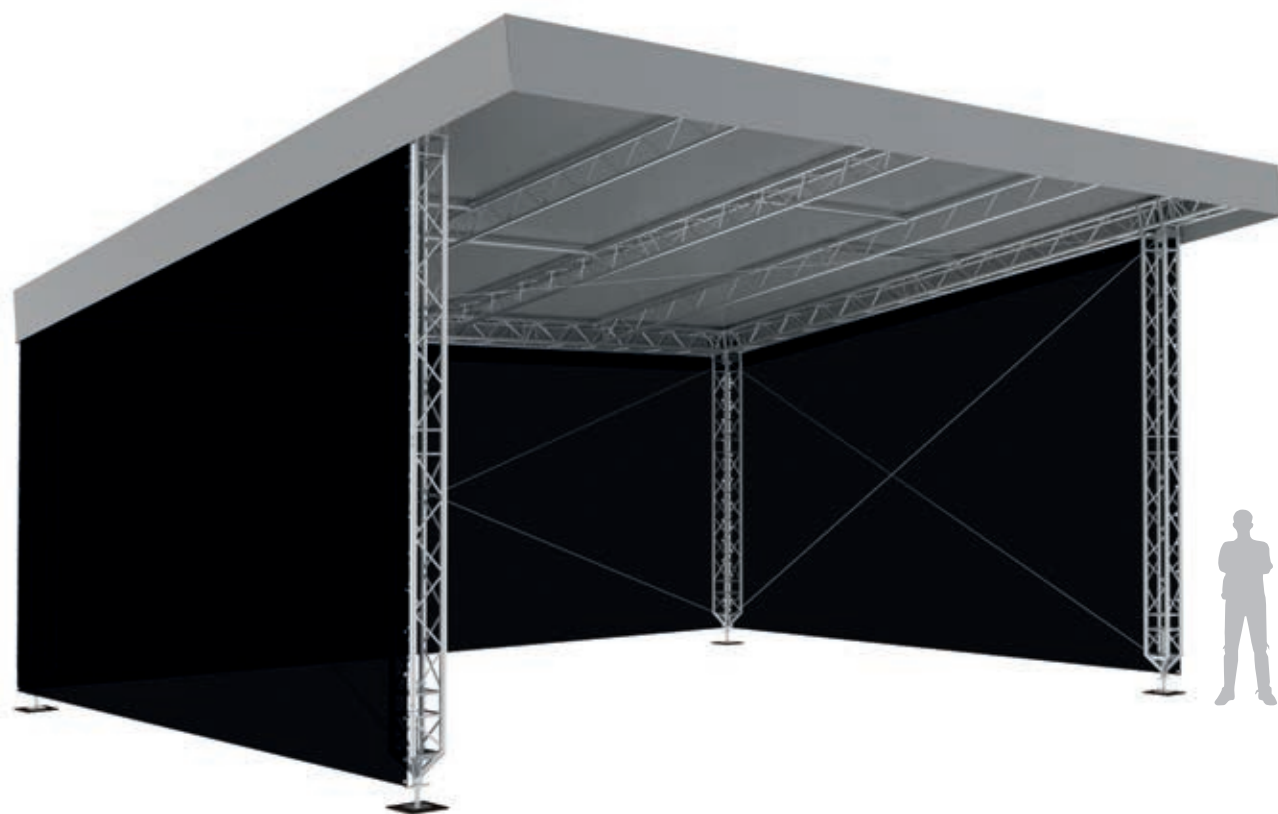


Technical specifications

		Size ›	8x6 m	(26.25x19.70 ft)	6x4m	(19.68x13.12 ft)
Dimensions	A	Internal width	8.50 m	(27.89 ft)	6.5 m	(21.33ft)
	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 ›	8x6m	(26.25x19.70 ft)	6x4m	(19.68x13.12 ft)
Loading capacity	Back & 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

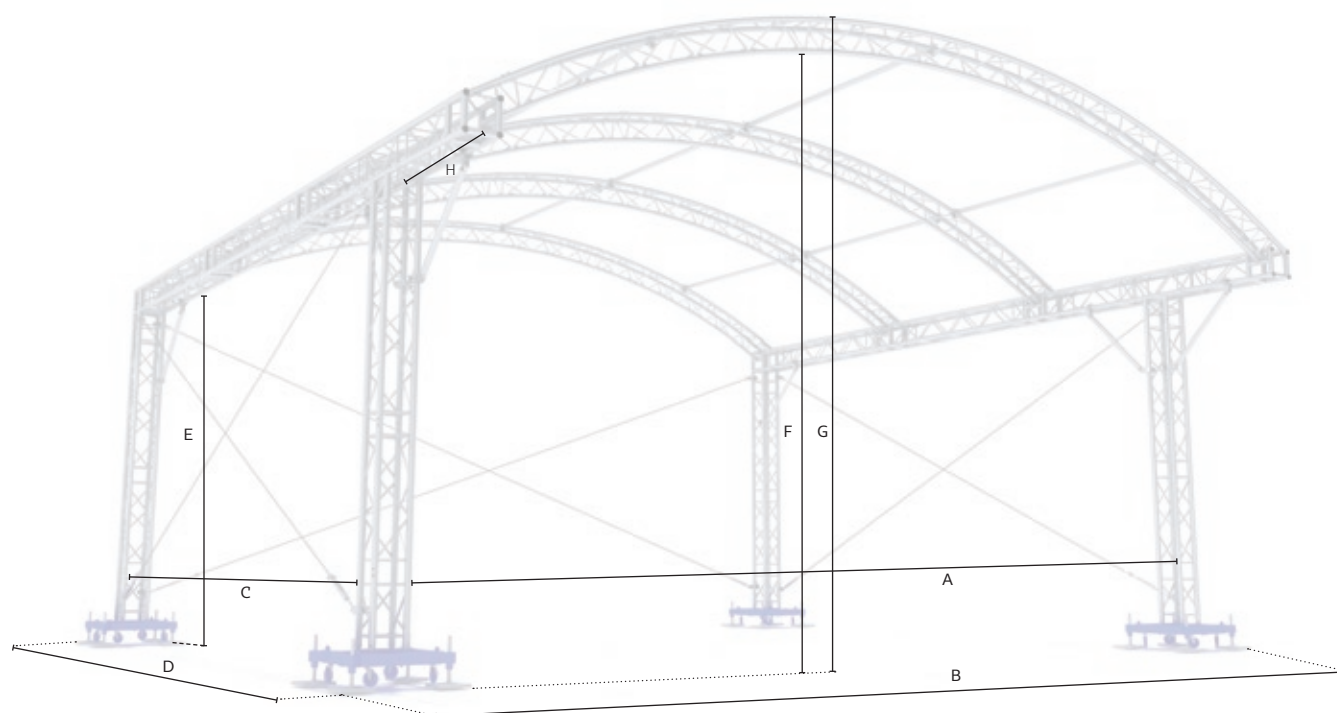
Design standards	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculations based on 100% closed side canopies * Side canopies and loads to be removed above this wind speed if not considered Out of service	17.8m/s - 64km/h - 40mph (Max. gust wind speed) 28.0m/s - 100km/h - 62mph (Max. gust wind speed)
Ballast	From 450kg/ 992lbs up to 2700kg / 5947 lbs per tower , depends on configuration, sidewing, covering, compression beam, guy wires, corner brace and other conditions.	
Canopy & sidewalls	B1 fire retardant canopy on request, single piece format Silvergrey, other colors or inside black on request B1 fire retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Size ›	8x6 m	(26.25x19.70 ft)	6x4m	(19.68x13.12 ft)
Self-weight	* Exact self-weight depends on configuration	600 kg	(1322 lbs)	600 kg	(1322 lbs)
Transport volume	* Packed in carton boxes and bubble foil	5.00 m³	(176 ft³)	5.00 m³	(176 ft³)

MR1 arched roofs

- 6x4 m (19.69x13.12 ft) & 8x6 m (26.25x19.69 ft)
Arched Roof set-up for temporary events
- Heavy-duty M290 Quatro structure with Trio arches
- Fixed leg or self climbing MT1 option 8x6 m only (26.25x19.69 ft)
- Supplied complete with internal wind bracing wires & connection accessories
- Fast connection for quick, simple and secure assembly
- Full structural calculation report & build manual available
- Conversion kits available to upgrade from 6x4 m to 8x6 m
- PVC roof colour and side wall options
- PA wing options available on request

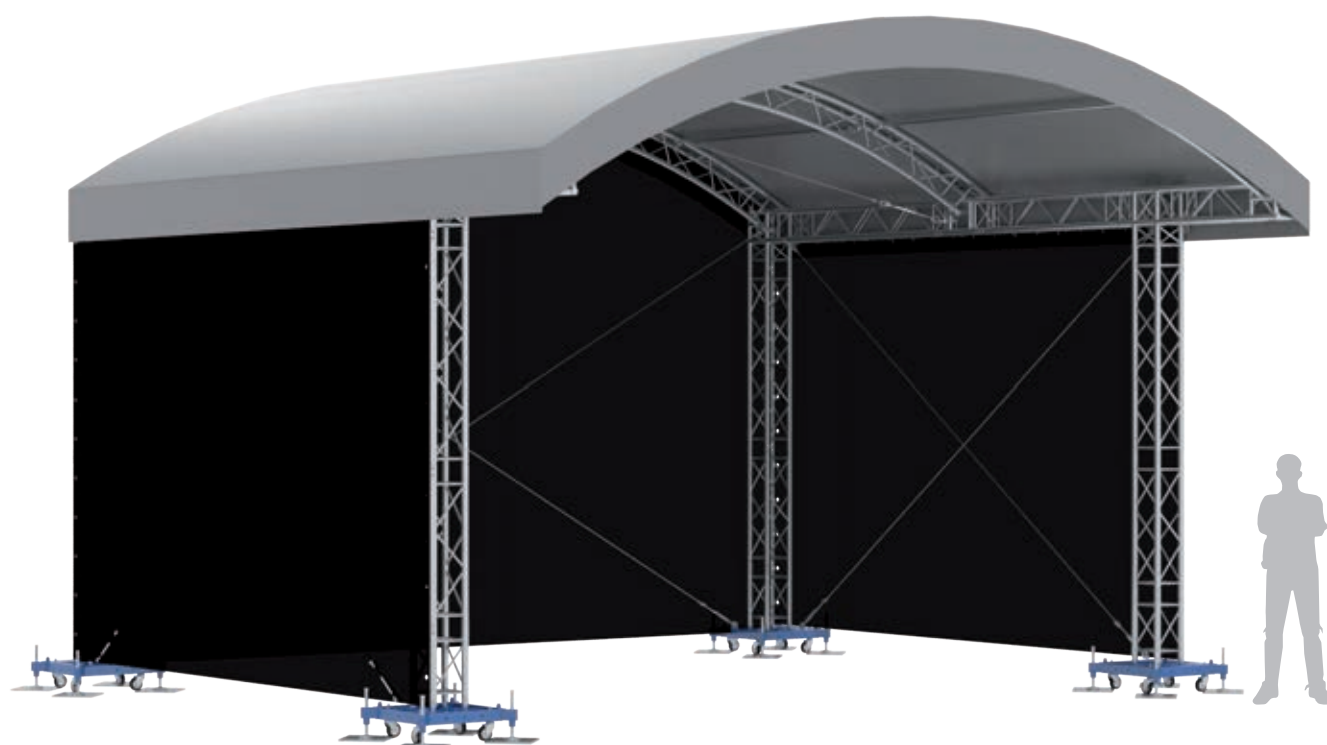


Technical specifications

		Size >	8x6 m (26.25x19.70 ft)	6x4 m (19.70x13.10 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 >	8x6 m (26.25x19.70 ft)	6x4 m (19.70x13.10 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)	20kg/m (13 lbs/ft)	20kg/m (13 lbs/ft)
	PA load	2x Point load at cantilever	250 kg (551 lbs)	250 kg (551 lbs)
* See structural report for exact load positioning				



Operational Specifications

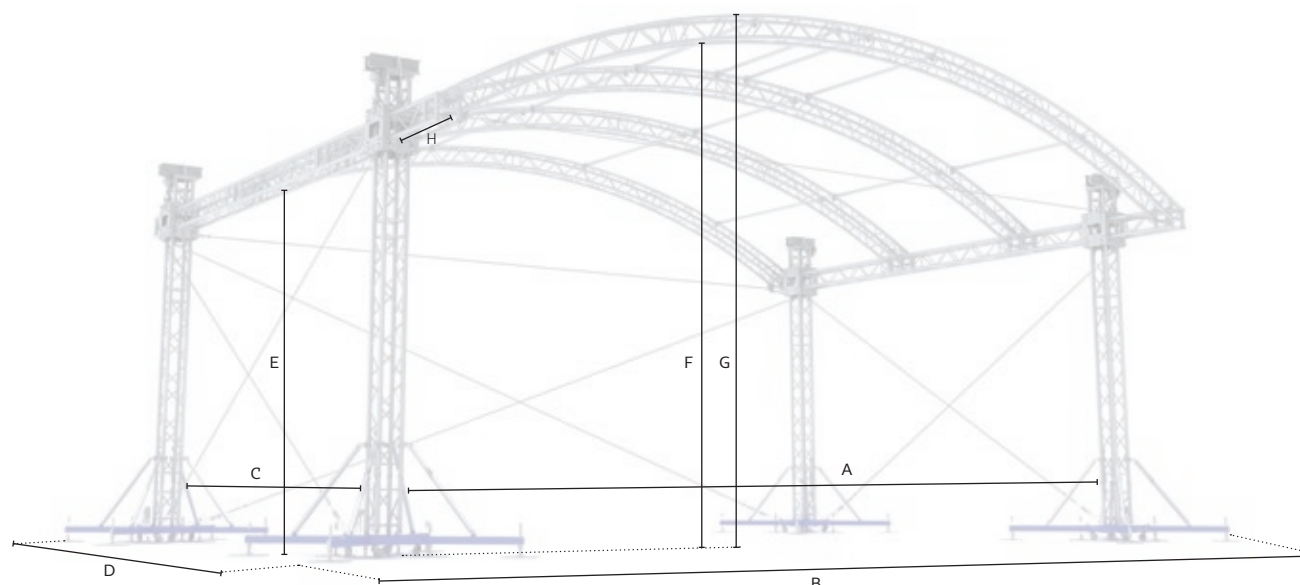
Design standards	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculations based on 100% closed side canopies * Side canopies to be removed above this wind speed if not considered Out of service	17.8m/s - 64km/h - 40mph (Max. gust wind speed) 28.0m/s - 100km/h - 62mph (Max. gust wind speed)
Ballast	From 450kg/ 992lbs up to 3150kg / 6944lbs per tower, depends on configuration, sidewing, covering, compression beam, guy wires, corner brace and other conditions.	
Canopy & sidewalls	B1 fire retardant canopy on request, single piece format or keder profiles on request Silvergrey; other colors or inside black on request B1 fire retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Size ›	8x6 m (26.25x19.70 ft)	6x4 m (19.70x13.10 ft)
Self-weight	* Exact self-weight depends on configuration	1344 kg (2960 lbs)	1034 kg (2278 lbs)
Transport volume	* Packed in carton boxes and bubble foil	20 m ³ (706 ft ³)	15 m ³ (530 ft ³)

MR1T arched roofs

- 10x6 m (32.81x19.69 ft) Arched Roof set-up for temporary events
- Heavy-duty M290 Quatro structure with Quatro arches
- Fast connection for quick, simple and secure assembly
- Operate with manual or electric chain hoist (bracket required)
- Supplied complete with internal wind bracing wires & connection accessories
- Full structural calculation report & build manual available
- PVC roof colour and side walls options
- PA wing options available on request
- Integrated tower base / stage components available

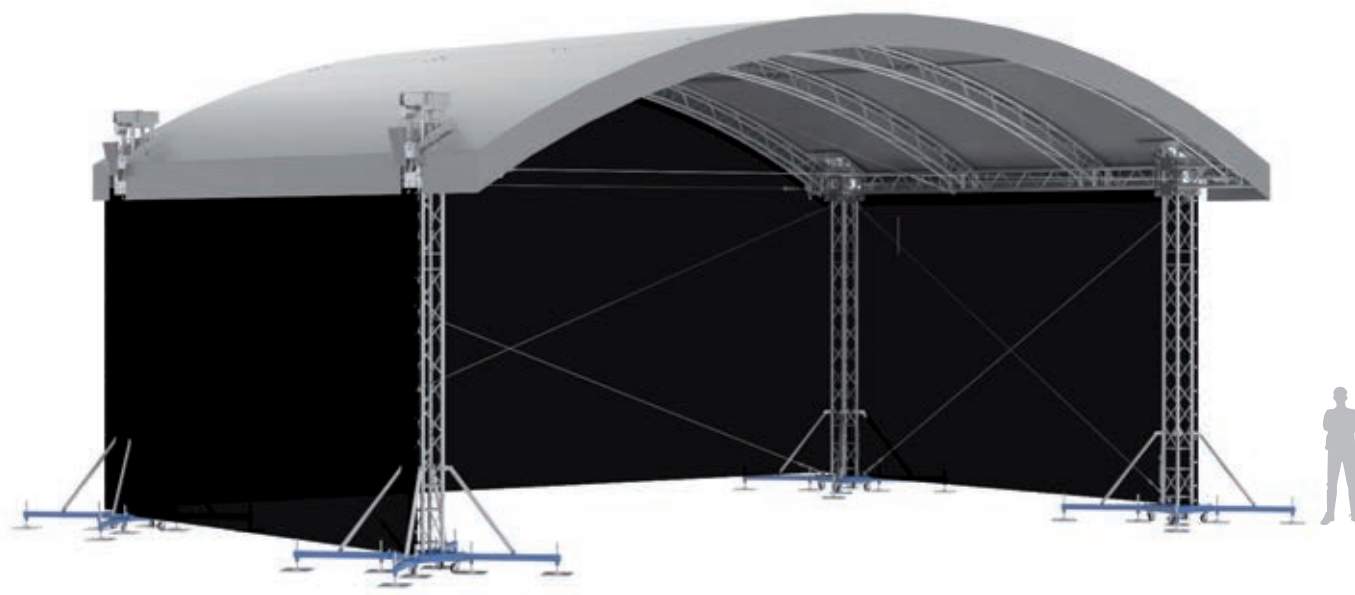


Technical specifications

		Size >	10x6 m (32.80x19.70 ft)	8x6 m (26.25x19.70 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 >	10x6 m (32.80x19.70 ft)	8x6 m (26.25x19.70 ft)	
Loading capacity	Arches front and rear	Uniformly distributed (UDL)	30 kg/m (20 lbs/ft)	30 kg/m (20 lbs/ft)	
	Arches mid	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	2x 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

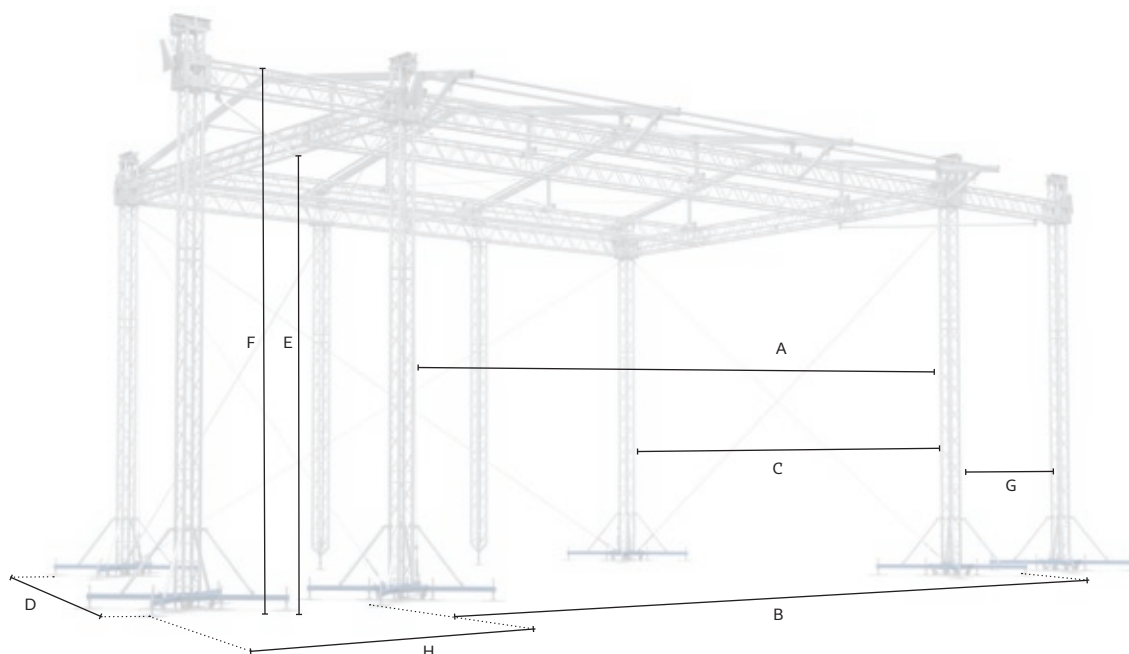
Design standards	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculations based on 100% closed side canopies * Side canopies to be removed above this wind speed if not considered Out of service	17.8m/s - 64km/h - 40mph (Max. gust wind speed) 28.0m/s - 100km/h - 62mph (Max. gust wind speed)
Ballast	From 1300kg/2866lbs up to 3082kg / 6789lbs per tower, depends on configuration, sidewing, covering, compression beam, guy wires, corner brace, substructure.	
Canopy & sidewalls	B1 fire retardant canopy on request, single piece format or in keder profiles on request Silvergrey, other colors or inside black on request B1 fire retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Size >	10x6 m	(32.80x19.70 ft)	8x6 m	(26.25x19.70 ft)
Self-weight	* Exact self-weight depends on configuration	1834 kg	(4040 lbs)	1034 kg	(2278 lbs)
Transport volume	* Packed in carton boxes and bubble foil	20 m³	(706 ft³)	15 m³	(530 ft³)

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
- 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
- Operate with manual or electric chain hoist (bracket required)
- Supplied complete with internal wind bracing wires & connection accessories
- Full structural calculation report & build manual available
- PVC roof colour and side wall (mesh or solid) options
- Integrated tower base / stage components available



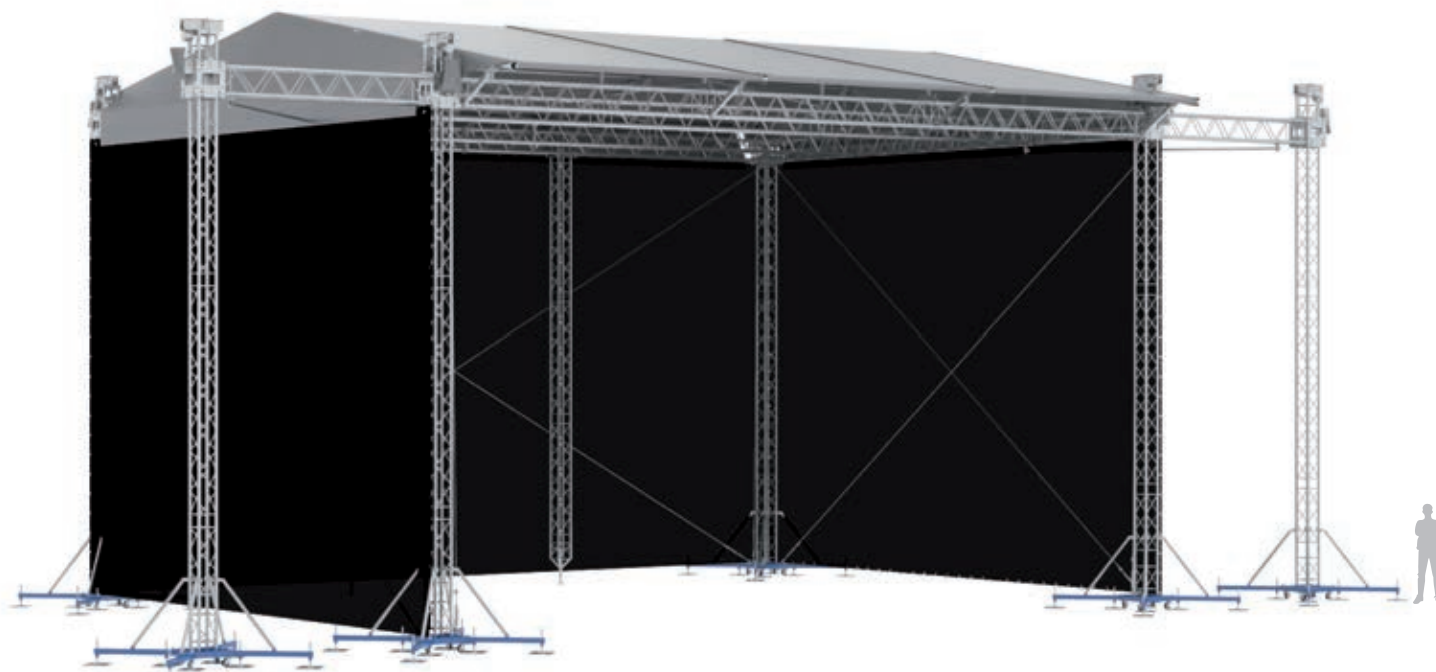
Technical specifications

		Size >	15x12 m* (49.21x39.37 ft)	12x10 m (39.37x32.81 ft)	10x8 m (32.81x26.25 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 Layher base with Keder side / rear walls.

Loading capacity

		Size >	15x12 m (49.21x39.37 ft)	12x10 m (39.37x32.81 ft)	10x8 m (32.81x26.25 ft)
Loading capacity	Main grid	Uniformly distributed (UDL)	6500 kg (14330 lbs)	3040 kg (6696 lbs)	3040 kg (6696 lbs)
		Point loads	8700 kg (19180 lbs)	7700 kg (16960 lbs)	7700 kg (16960 lbs)
	Cantilever	2x Point loads on outer beams	2x 500 kg (2x 1101 lbs)	2x 500 kg (2x 1101 lbs)	2x 500 kg (2x 1101 lbs)
	PA wing	Central Point load (CPL)	1500 kg (3304 lbs)	1500 kg (3304 lbs)	1500 kg (3304 lbs)
	* See structural report for exact load positioning				



Operational Specifications

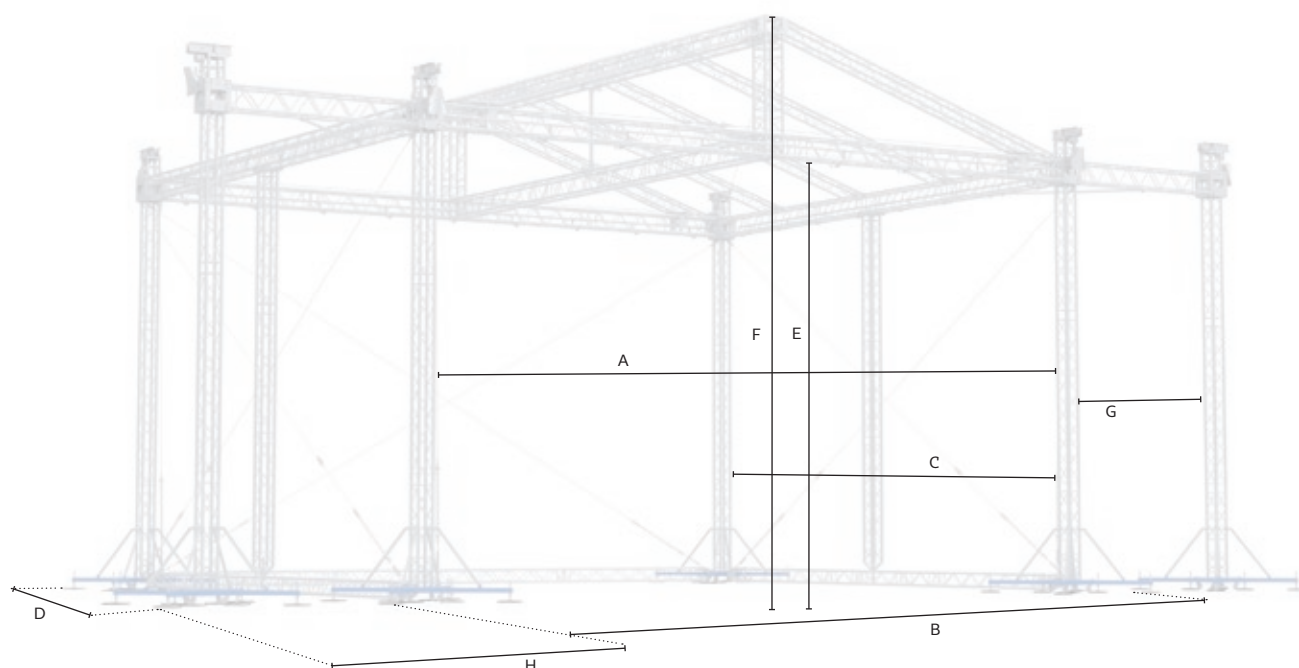
Design standards	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculations based on 100% closed side canopies * Side canopies to be removed above this wind speed if not considered Out of service	17.8m/s - 64km/h - 40mph (Max. gust wind speed) 28.8m/s - 103km/h-64mph (Max. gust wind speed)
Ballast	Depends on configuration, sidewing, covering, compression beam, guy wires, corner brace, substructure.	
Canopy & sidewalls	B1 fire retardant canopy on request, in keders, configurable for various sizes Silvergrey; other colors or inside black on request B1 fire retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Size >	15x12 m (49.21x39.37 ft)	12x10 m (39.37x32.81 ft)	10x8 m (32.81x26.25 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 carton boxes and bubble foil	50 m³ (1765 ft³)	30 m³ (1060 ft³)	25 m³ (882 ft³)

MR2 saddle roofs

- MR2 Saddle Roof structure for temporary events
- MT1 self-climbing towers, 10x8 (32.81x26.25 ft), 12x10 (39.37x32.81 ft) options available
- Fast connection for quick, simple and secure assembly
- Operate with manual or electric chain hoist (bracket required)
- Supplied complete with internal wind bracing wires & connection accessories
- Full structural calculation report & 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 >	12x10 m (39.37x32.80 ft)	10x8 m (32.80x26.25 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 >	12x10 m (39.37x32.80 ft)	10x8 m (32.80x26.25 ft)
Loading capacity	Main grid	Uniformly distributed (UDL)	7500kg (16534 lbs)	2400 kg (6613 lbs)
	Point loads	Point loads	7900 kg (17416 lbs)	3000 kg (6613 lbs)
	PA wing	Central 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

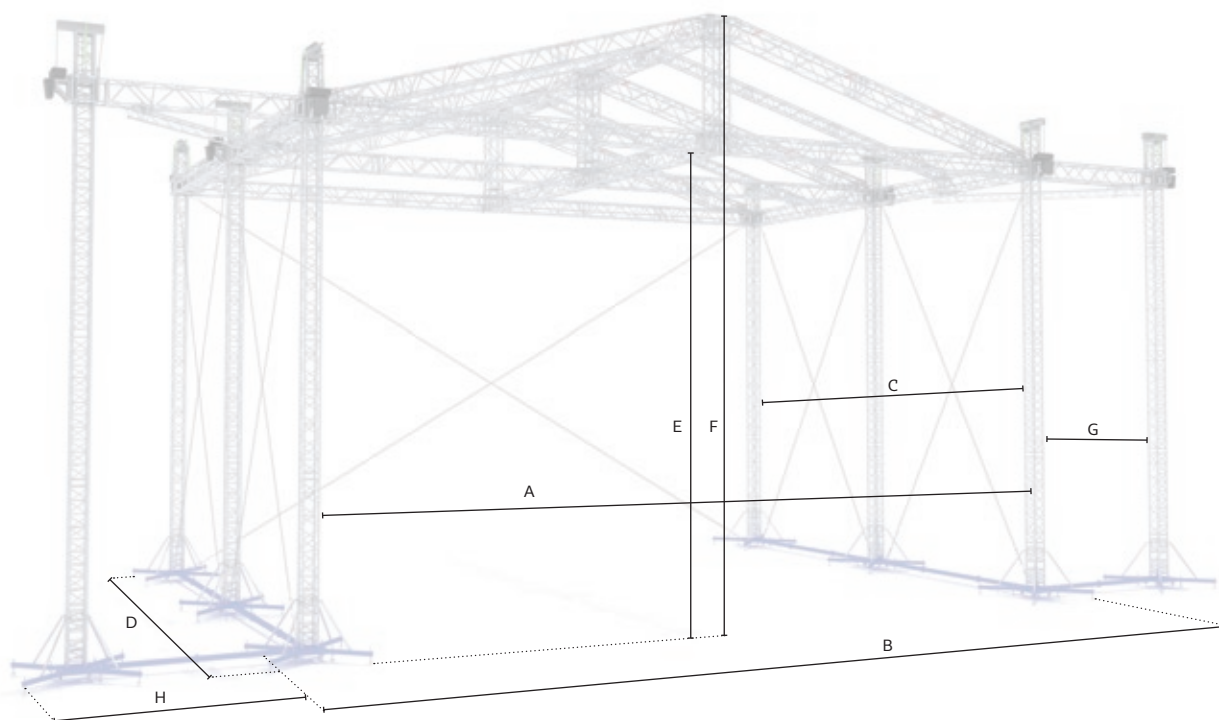
Design standards	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculations based on 100% closed side canopies * Side canopies to be removed above this wind speed if not considered Out of service Training recommended	17.8m/s - 64km/h - 40mph (Max. gust wind speed) 29.6m/s - 106km/h-66mph (Max. gust wind speed)
Ballast	From 200kg/440lbs up to 5300kg / 11674 lbs per tower, depends on configuration, sidewing, covering, compression beam, guy wires, corner brace, substructure.	
Canopy & sidewalls	B1 fire retardant canopy on request, single piece format or keder profiles Silvergrey; other colors or inside black on request B1 fire retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Size >	12x10 m (39.37x32.80 ft)	10x8 m (32.80x26.25 ft)
Self-weight	* Exact self-weight depends on configuration	2100 kg (4626 lbs)	1950 kg (4295 lbs)
Transport volume	* Packed in carton boxes and bubble foil	30 m³ (1060 ft³)	25 m³ (882 ft³)

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
- Fast connection for quick, simple and secure assembly
- Supplied complete with internal wind bracing wires & connection accessories
- Full structural calculation report & 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 >	20x14 m (65.62x45.93 ft)	16x14m (52.49 x 45.93)
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 >	20x14 m (65.62x45.93 ft)	16x14m (52.49 x 45.93)
Loading capacity	Main grid	Uniformly distributed (UDL)	7420 kg (16358 lbs)	7420 kg (16358 lbs)
		Point loads	7420 kg (16358 lbs)	7420 kg (16358 lbs)
	PA wing	Central Point load (CPL)	1200 kg (2645 lbs)	1200 kg (2645 lbs)
	* See structural report for exact load positioning			



Operational Specifications

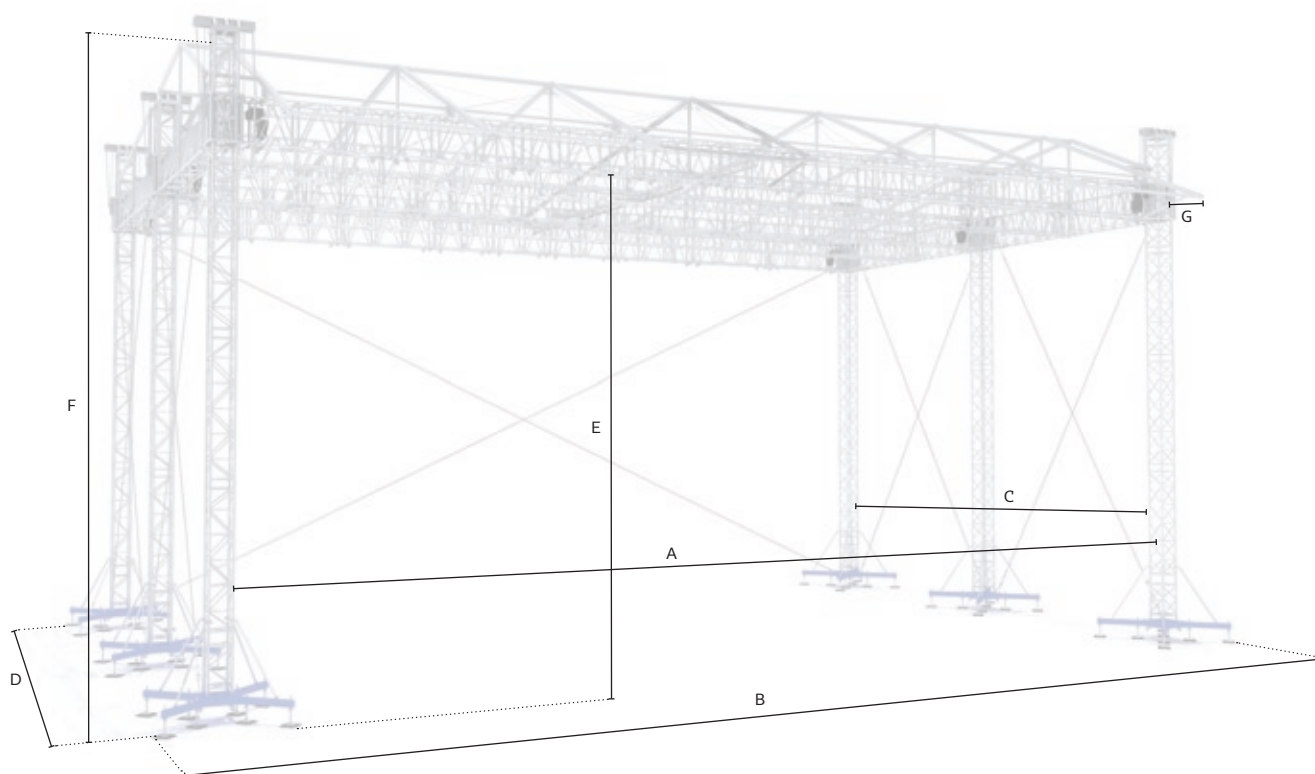
Design standards	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculations based on 100% closed side canopies * Side canopies to be removed above this wind speed if not considered Out of service Training recommended	17.8m/s - 64km/h - 40mph (Max. gust wind speed) 27.5m/s - 100km/h - 62mph (Max. gust wind speed)
Ballast	From 3900kg/ 8590lbs up to 10400kg / 22907lbs per tower, depends on configuration, sidewing, covering, compression beam, guy wires, corner brace, substructure.	
Canopy & sidewalls	B1 fire retardant canopy on request, keder profiles optional Silvergrey; other colors or inside black on request B1 fire retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Size ›	20x14 m (65.62x45.93 ft)	16x14 m (52.49 x 45.93)
Self-weight	* Exact self-weight depends on configuration	7300 kg (16079 lbs)	6980 kg (15374 lbs)
Transport volume	* Packed in carton boxes and bubble foil	80 m³ (2825 ft³)	70 m³ (2472 ft³)

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
- Full structural calculation report & build manual on request
- Wall claddings made with vertical keder profiles, with inclined orientation for creating an additional back stage area on request
- Wind bracing wires & connection accessories included
- Range of coloured PVC roof options available
- Integrated tower base / stage components available
- PA / Video wing options available on request

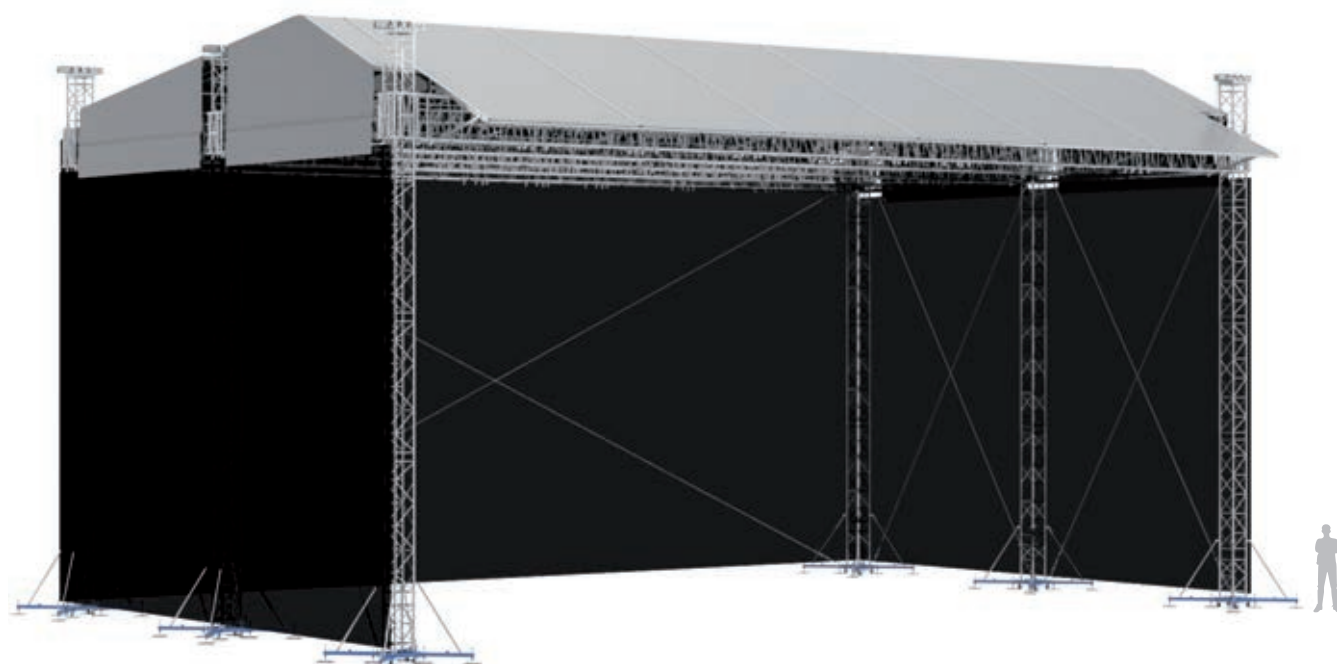


Technical specifications

		Size ›	24x14 m (78.74x45.93 ft)	20x14 m (65.62x45.93 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 ›	24x14 m (78.74x45.93 ft)	20x14 m (65.62x45.93 ft)
Loading capacity	Main grid	Uniformly distributed (UDL)	15 000 kg (33069lbs)	20 000kg (44092 lbs)
	Side Wing	Central point load (CPL)	3000 kg (6 613 lbs)	3000 kg (6 613 lbs)
	* See structural report for exact load positioning			



Operational Specifications

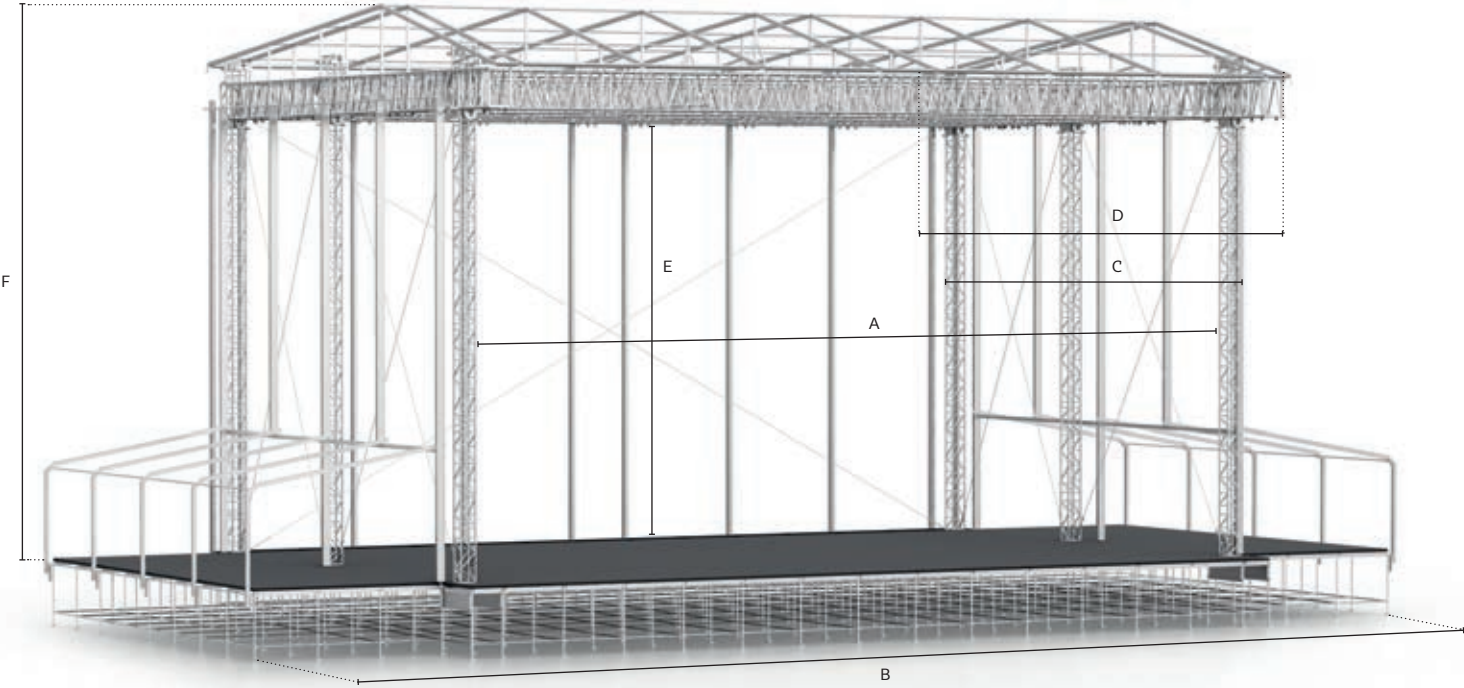
Design standards	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculations based on 100% closed side canopies * Side canopies to be removed above this wind speed if not considered Out of service Training recommended	17.8m/s - 64km/h - 40mph (Max. gust wind speed) 28.3m/s - 100km/h - 62mph (Max. gust wind speed)
Ballast	From 2375kg/5231lbs up to 12700kg / 27973lbs per tower, depends on configuration, sidewing, covering, compression beam, guy wires, corner brace, substructure.	
Canopy & sidewalls	B1 fire retardant canopy, in keders, configurable for different sizes on request Silvergrey; other colors or inside black on request B1 fire retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Size ›	24x14 m	(78.74x45.93 ft)	20x14 m	(65.62x45.93 ft)
Self-weight	* Exact self-weight depends on configuration	7200 kg	(15859 lbs)	6435 kg	(14174 lbs)
Transport volume	* Packed in carton boxes and bubble foil	120 m³	(4237 ft³)	100 m³	(3531 ft³)

MR6 pitched roof

- MR6 large scale pitched roof structure
- Dimensions 26x16 m (85x52 ft)
- 32,000 Kg capacity plus PA/Video
- Clearance height nearly 14m
- Main grid constructed of 5 spans of M1200 RTR truss
- PA / Video wings can be added to main structure
- Rear wall featuring 300x122 mm Keder profile
- Side wall(s) featuring 250x122 mm Keder profile
- Range of PVC colours and options available

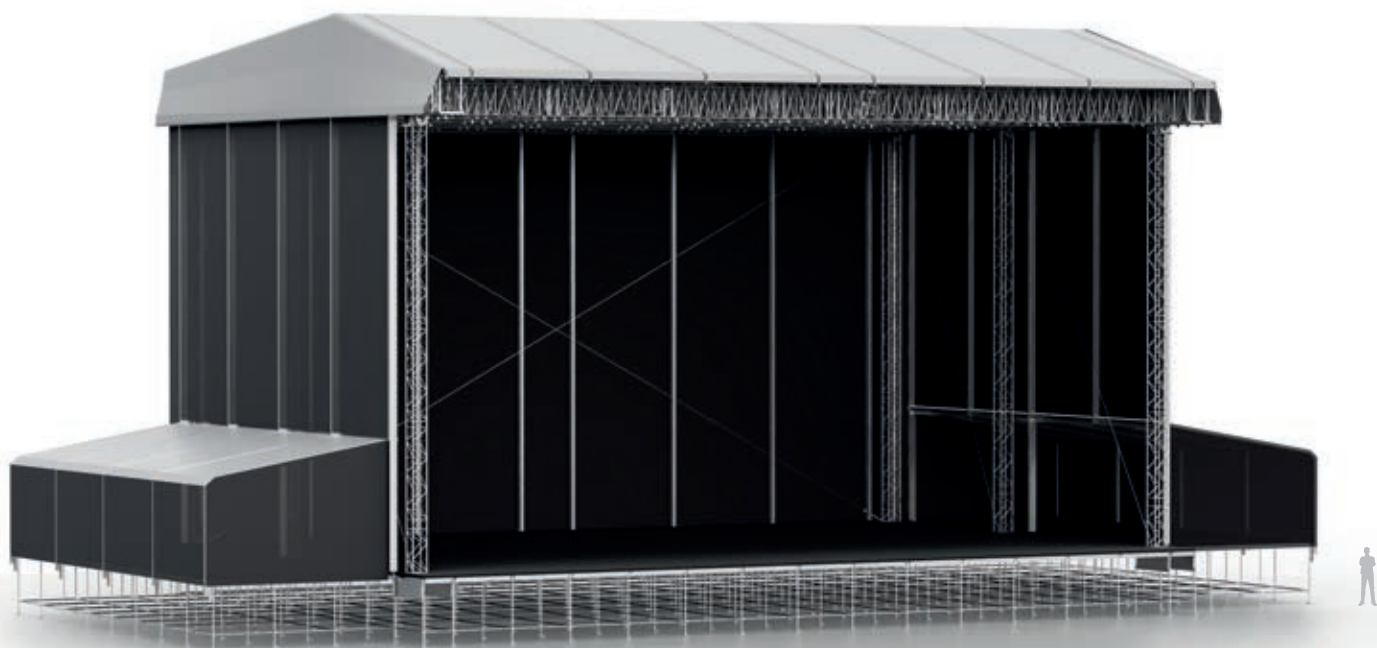


Technical specifications

		Size >	26x16 m	(85.30x52.49 ft)
Dimensions	A	Internal width	26.47 m	(86.84 ft)
	B	Overall external width	40.56 m	(133.07 ft)
	C	Depth	17.7 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 >	26x16 m	(85.30x52.49 ft)
Loading capacity	Main grid	(UDL)	32 000 kg	(70547.92 lbs)
		PA on each cantilever	4000 kg	(8818.49 lbs)
	* See structural report for exact load positioning			



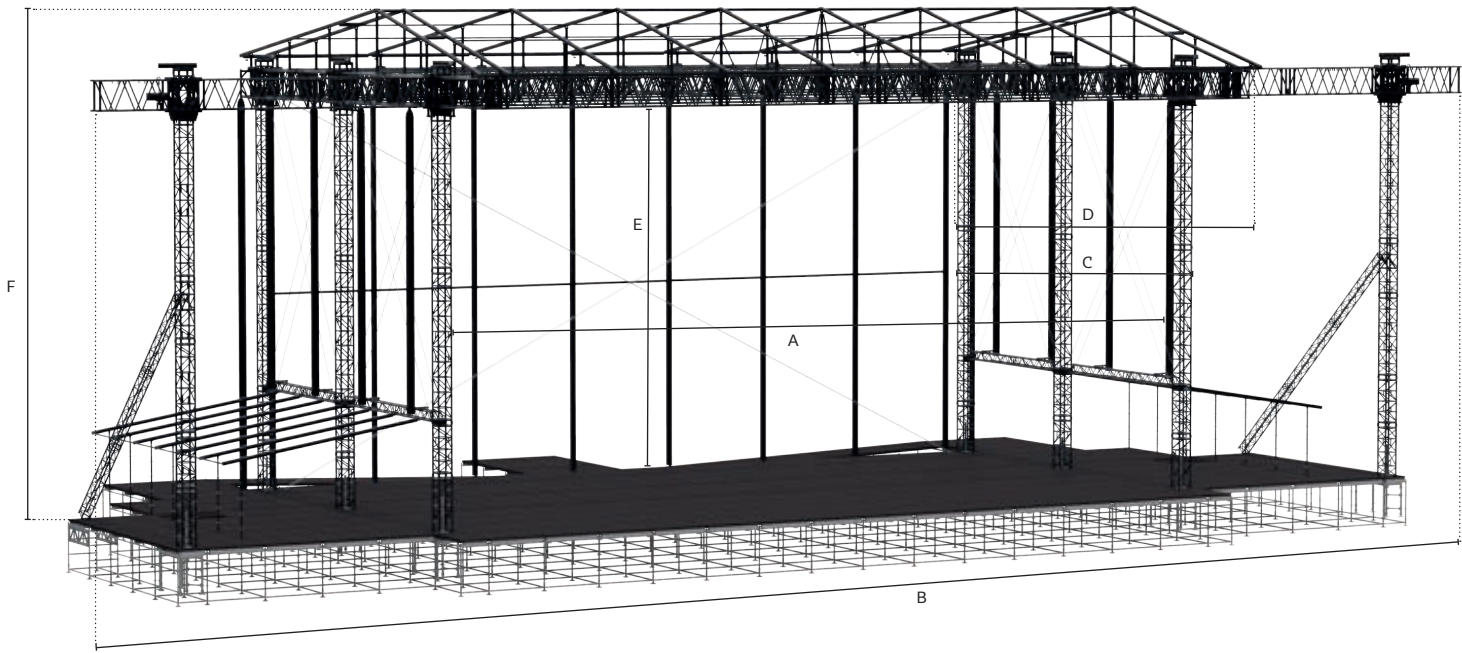
"Scaffolding substructure is for visualization only.
Bracing and ballast depends on requested configuration."

Operational Specifications

Design standards	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculations based on 100% closed side canopies * Side canopies to be removed above wind speed of Out of service Training recommended	17.8m/s - 64km/h - 40mph (Max. gust wind speed) 17.8m/s - 64km/h - 40mph (Max. gust wind speed) 28.3m/s - 100km/h - 62mph (Max. gust wind speed)
Ballast	Depends on configuration, sidewind, covering, compression beam, guy wires, corner brace, substructure.	
Canopy & sidewalls	B1 fire retardant canopy, in keders, configurable for different sizes on request Silvergrey; other colors or inside black on request B1 fire retardant side nets in compliance with latest Eurocodes	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

S-MR10 steel roof

- Constructed from Ultra High Strength Steel
- Unique locking system with 45t capacity per tower
- Steel Head-section with aluminium wheels and heavy duty bearings
- Dimensions 28x19 m (92x62 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

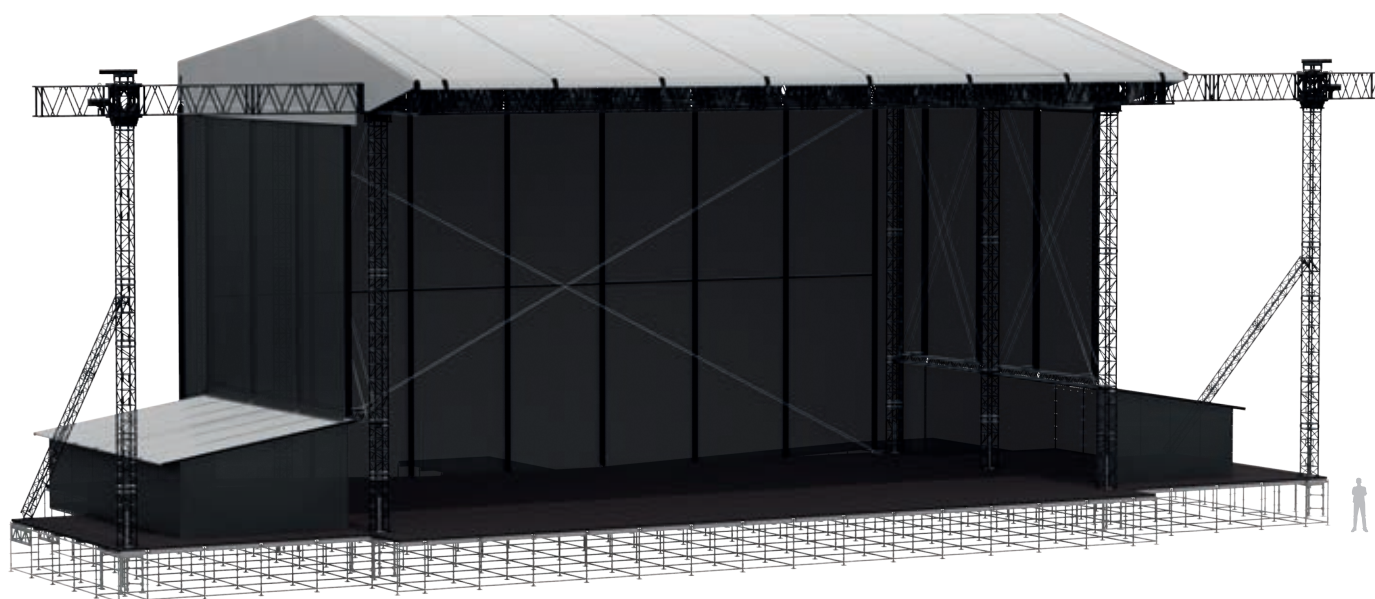


Technical specifications

		Size >	28x19 m	(91.86x62.33 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 >	28x19 m	(91.86x62.33 ft)
Loading capacity	Main grid	(UDL)	50 000 kg	(110 231 lbs)
		PA in total	12 000 kg	(26 455 lbs)
		LED in side wing	500 kg/m	(335 lbs/ft)
	* See structural report for exact load positioning			



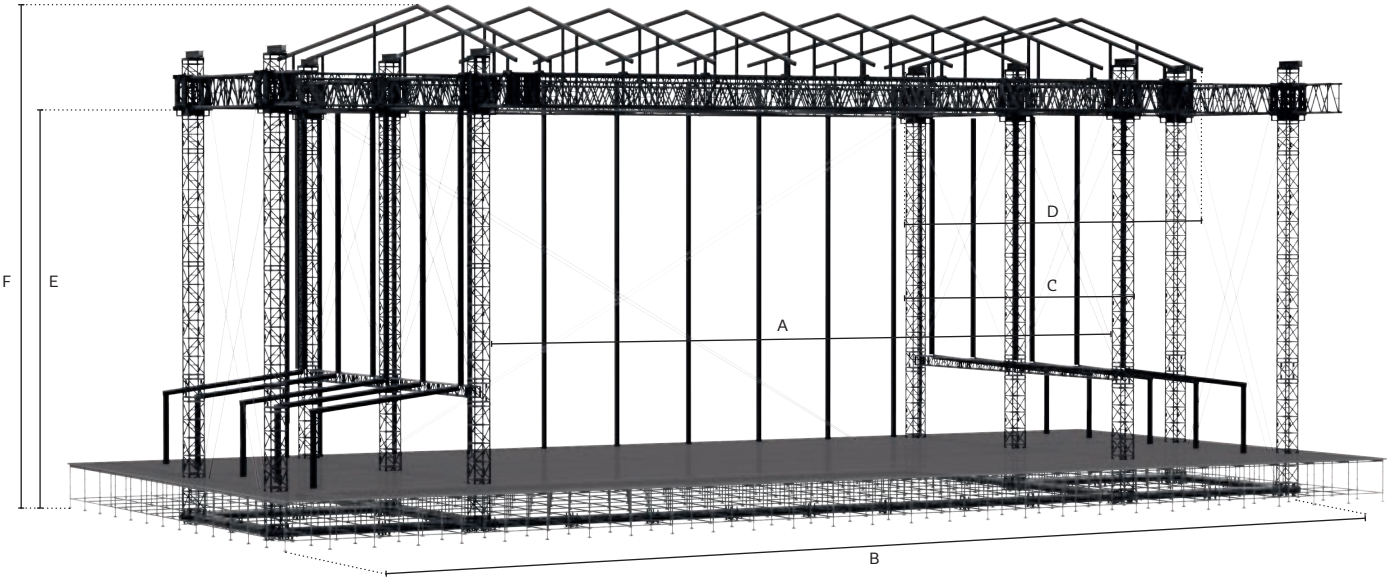
"Scaffolding substructure is for visualization only.
Bracing and ballast depends on requested configuration."

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% wind proof claddings of rear wall, side walls and side wing fronts	
	Out of service	28 m/s - 100 km/h - 62 mph (max gust wind speed)
	*Claddings of 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 tons	
Canopy & sidewalls	B1 fire retardant canvas in keders, configurable for different sizes on request Silver grey; other colours or inside black on request	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

S-MR20 steel roof

- Constructed from Ultra High Strength Steel
- Dimensions 32x25 m (105x82 ft)
- Unique locking system with 45t capacity 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

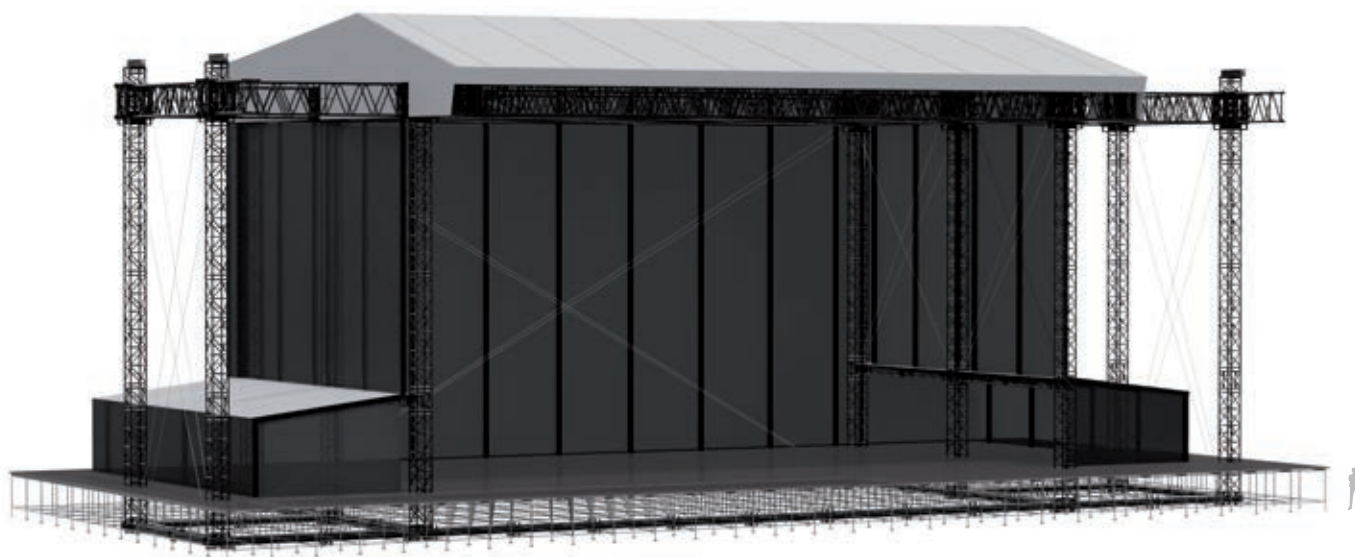


Technical specifications

		Size >	32x25 m	(104.98x82.02 ft)
Dimensions	A	Internal width	32.70 m	(107.28 ft)
	B	Overall external width	54.10 m	(177.49 ft)
	C	Depth	20.00 m	(65.61 ft)
	D	Overall external depth	26.30 m	(86.28 ft)
	E	Clearance	18.40 m	(60.36 ft)
	F	Overall height	23.10 m	(75.78 ft)

Loading capacity

		Size >	32x25 m	(104.98x82.02 ft)
Loading capacity	Main grid	(UDL)	60 000 kg	(132 277 lbs)
		PA in total	12 000 kg	(26 455 lbs)
		LED in side wing	500 kg/m	(335 lbs/ft)
	* See structural report for exact load positioning			

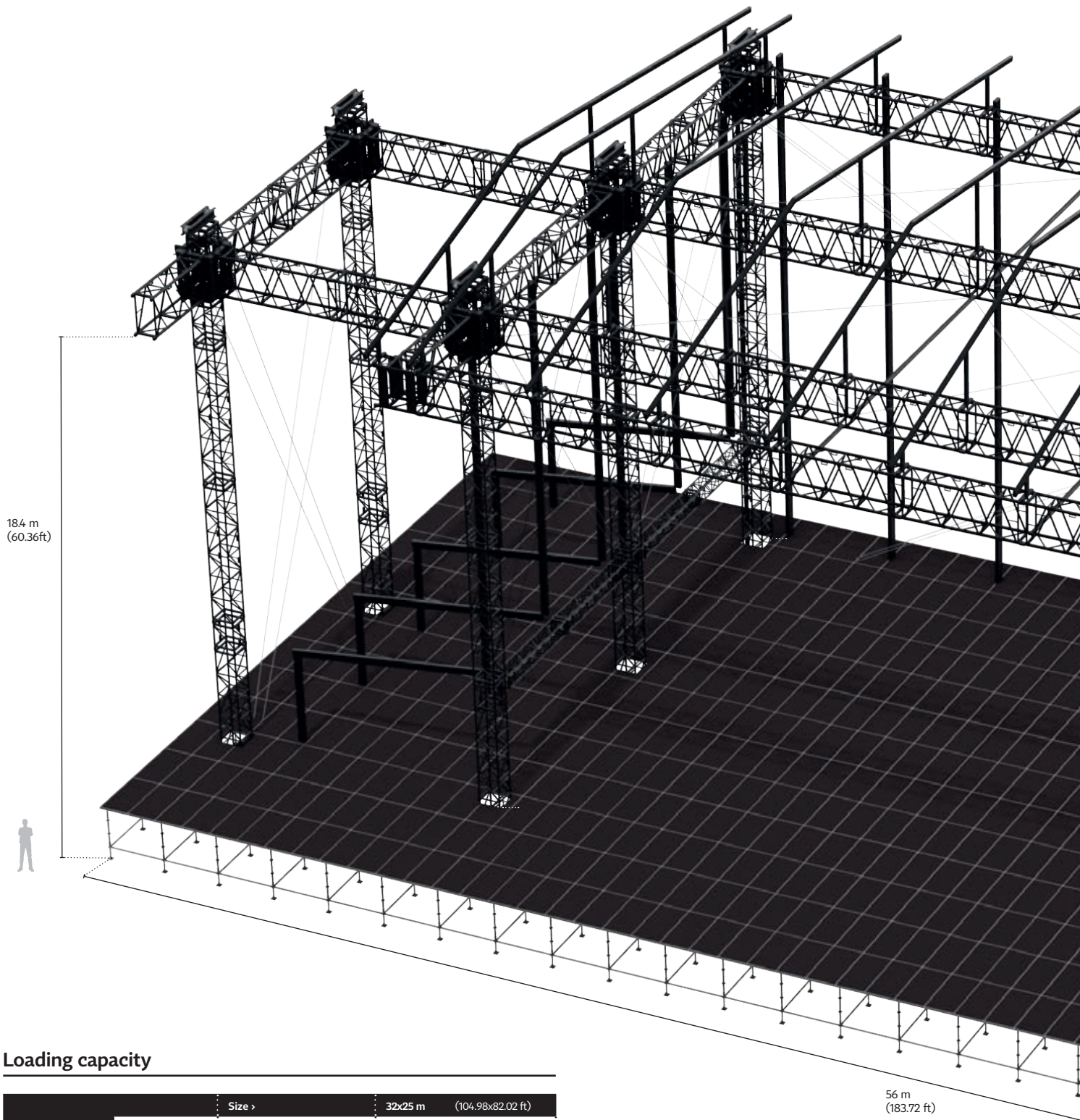


"Scaffolding substructure is for visualization only.
Bracing and ballast depends on requested configuration."

Operational Specifications

Design standards	EN 13814 EN 1991-1-4 EN 1993 EN 1999	Fairground and amusement park machinery and structures Loads on structures: Wind loads Design of steel structures Design of aluminium structures
Wind management	In service * Calculation based on 100% wind proof claddings of rear wall, side walls and side wing fronts Out of service * Claddings of side walls and rear wall must be dismantled in heights above 7m, side wing fronts can remain covered (e.g. by LED-screens) Training recommended	17,8 m/s - 64 km/h - 40 mph (max. gust wind speed) 28 m/s - 100 km/h - 62 mph (max gust wind speed)
Ballast	Depends on configuration/cladding, ranges from 56-75 tons	
Roof top and side walls	B1 fire retardant canvas in keders, configurable for different sizes on request Silver grey; other colours or inside black on request	
Customised	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) on request	

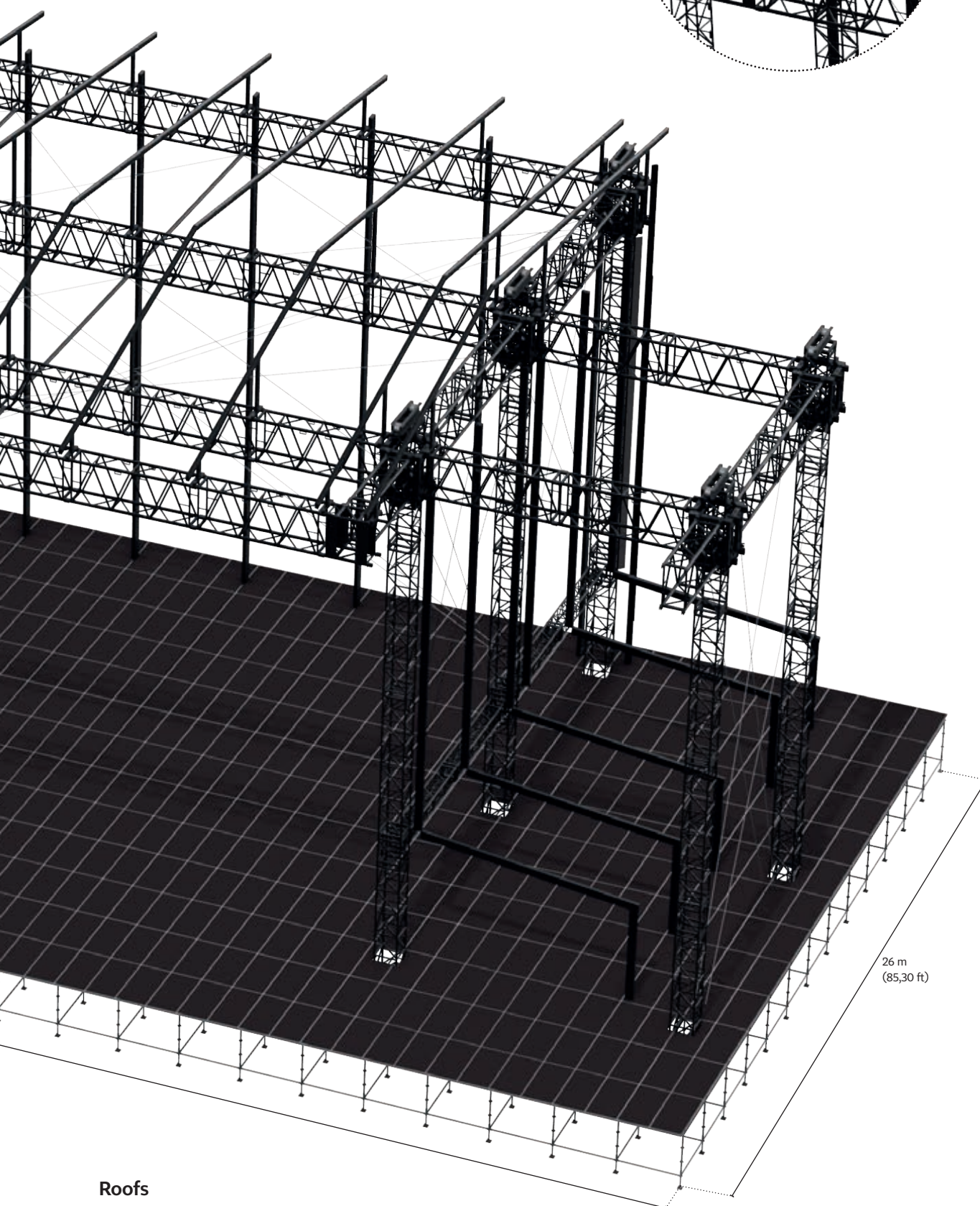
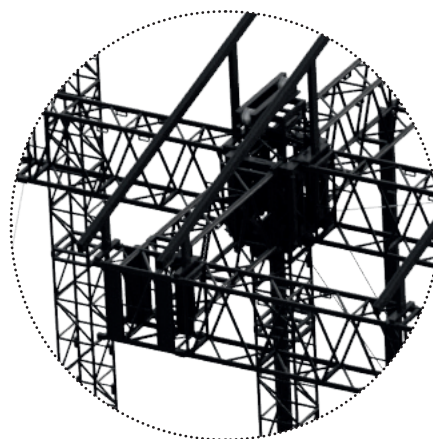
S-MR20 steel roof



Loading capacity

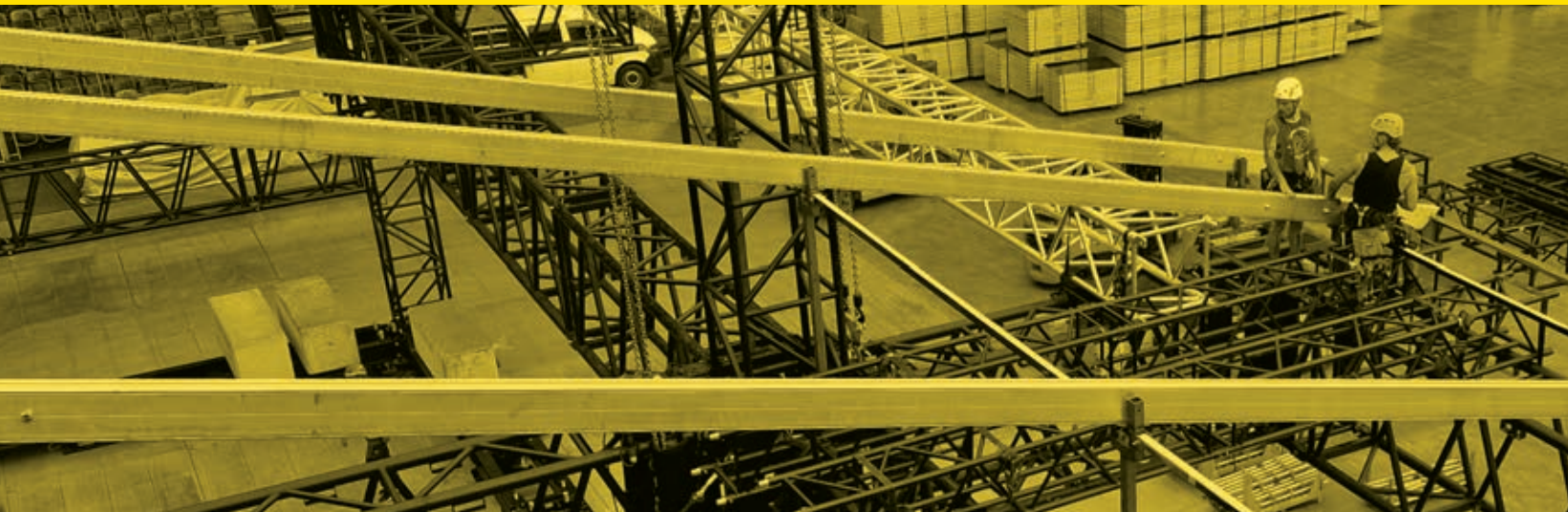
Loading capacity	Size >		32x25 m	(104.98x82.02 ft)
	Main grid	(UDL)	60 000 kg	(132 277 lbs)
		PA in total	12 000 kg	(26 455 lbs)
		LED in side wing	500 kg/m	(335 lbs/ft)
* See structural report for exact load positioning				

"Scaffolding substructure is for visualization only.
Bracing and ballast depends on requested configuration."



Keder Profiles

- custom profile with optimized strength to weight ratio
- incl. channel 31x10 mm for M12 hammerhead bolts
- max. point load in channel 600 kg
- internal connectors for all rectangle profiles available
- standard length 4 m
- profile includes drilling line marked in side flanges for ease of fabrication
- anodization also available
- other lengths and custom machining on request



Profile 80x61 mm

	Values
80x61 mm	$g = 3,38 \text{ kg/m}$
	$I_y = 99,23 \text{ cm}^4$
	$M_{y,Rd} = 537,0 \text{ kNcm}$

e.g. for roof covers with short spans



Profile 120x80 mm

	Values
120x80 mm	$g = 4,93 \text{ kg/m}$
	$I_y = 409,82 \text{ cm}^4$
	$M_{y,Rd} = 1552,3 \text{ kNcm}$

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



Profile 170x88 mm

	Values
170x88 mm	$g = 7,51 \text{ kg/m}$
	$I_y = 1326,02 \text{ cm}^4$
	$M_{y,Rd} = 3545,5 \text{ kNcm}$

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



Connector for profile 80x61 mm

	Values
80x61 mm	$g = 2,74 \text{ kg/m}$
	$I_y = 25,16 \text{ cm}^4$
	$M_{y,Rd} = 163,36 \text{ kNcm}$



Connector for profile 120x80 mm

	Values
120x80 mm	$g = 11,03 \text{ kg/m}$
	$I_y = 350,42 \text{ cm}^4$
	$M_{y,Rd} = 1531,5 \text{ kNcm}$



Connector for profile 170x88 mm

	Values
170x88 mm	$g = 12,90 \text{ kg/m}$
	$I_y = 1180,01 \text{ cm}^4$
	$M_{y,Rd} = 3619,21 \text{ kNcm}$


Profile 250x120 mm

	Values
250x120 mm	$g = 8,12 \text{ kg/m}$
	$I_y = 2944,18 \text{ cm}^4$
	$M_{y,Rd} = 5323,2 \text{ kNcm}$

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


Profile 300x122 mm

	Values
300x122 mm	$g = 11,64 \text{ kg/m}$
	$I_y = 6063,4 \text{ cm}^4$
	$M_{y,Rd} = 9110,3 \text{ kNcm}$

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


Profile 360x122 mm

	Values
360x122 mm	$g = 15,45 \text{ kg/m}$
	$I_y = 10364,40 \text{ cm}^4$
	$M_{y,Rd} = 12981,8 \text{ kNcm}$

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


Connector for profile 250x120 mm

	Values
250x120 mm	$g = 10,21 \text{ kg/m}$
	$I_y = 2852,12 \text{ cm}^4$
	$M_{y,Rd} = 5395,0 \text{ kNcm}$


Connector for profile 300x122 mm

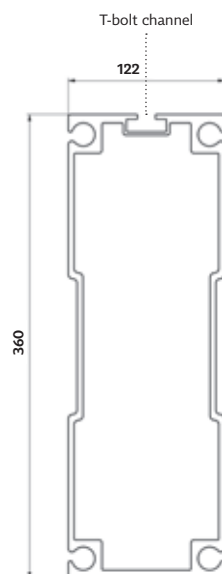
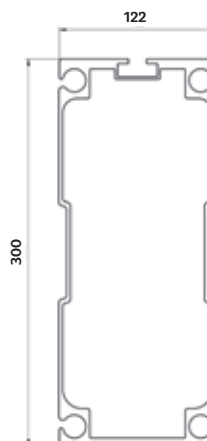
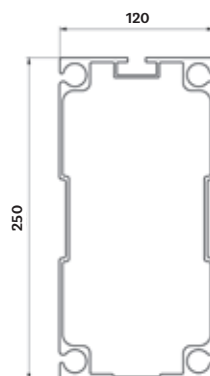
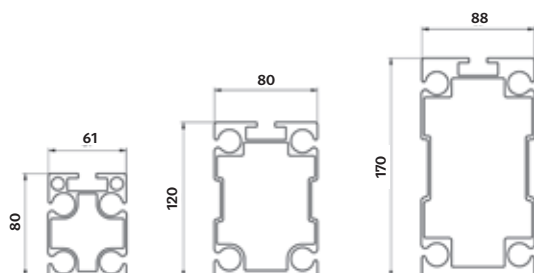
	Values
300x122 mm	$g = 14,94 \text{ kg/m}$
	$I_y = 5920,4 \text{ cm}^4$
	$M_{y,Rd} = 9391,5 \text{ kNcm}$


Connector for profile 360x122 mm

	Values
360x122 mm	$g = 20,60 \text{ kg/m}$
	$I_y = 10045,67 \text{ cm}^4$
	$M_{y,Rd} = 13312,2 \text{ kNcm}$

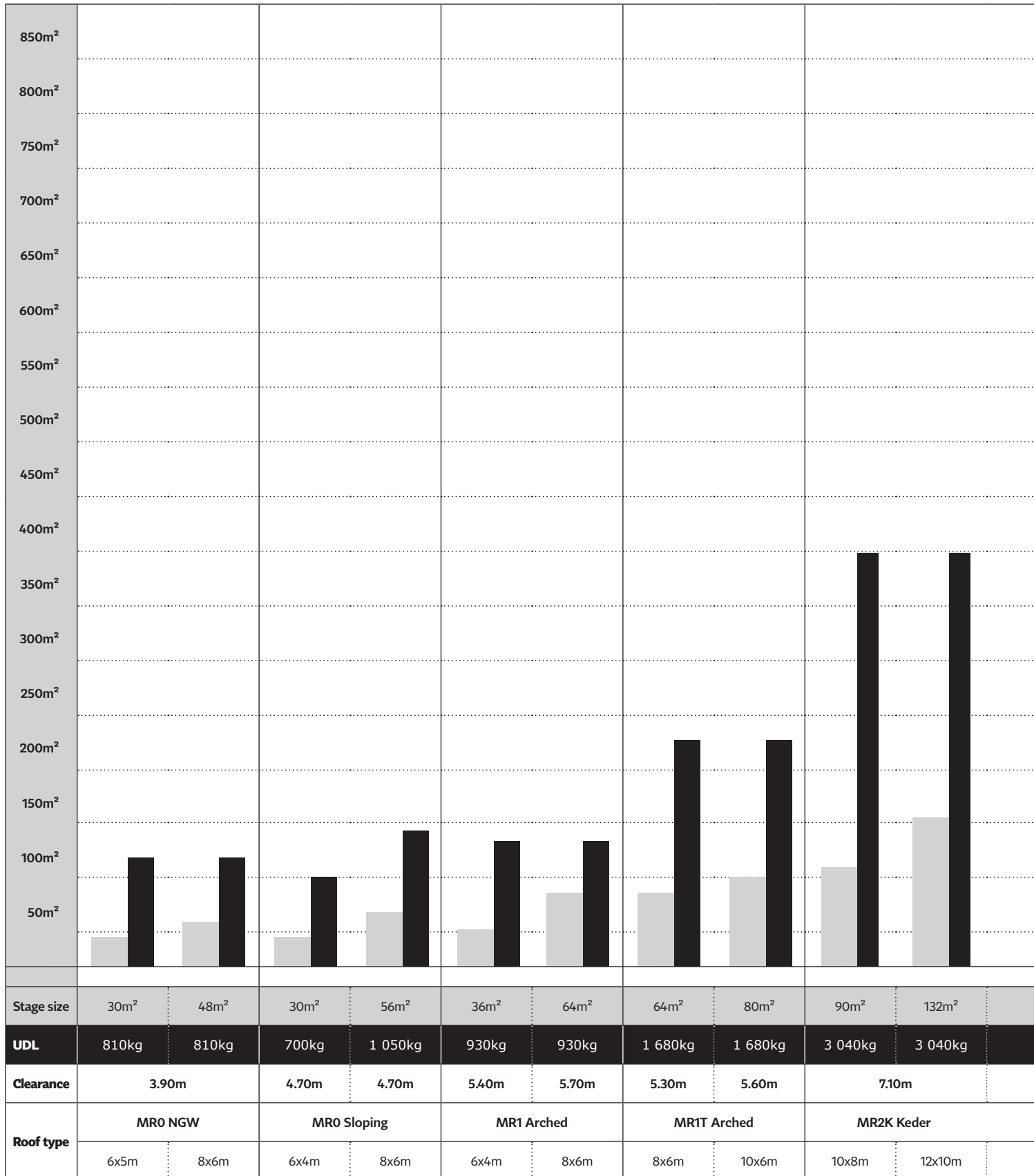

Profile 23x54 mm

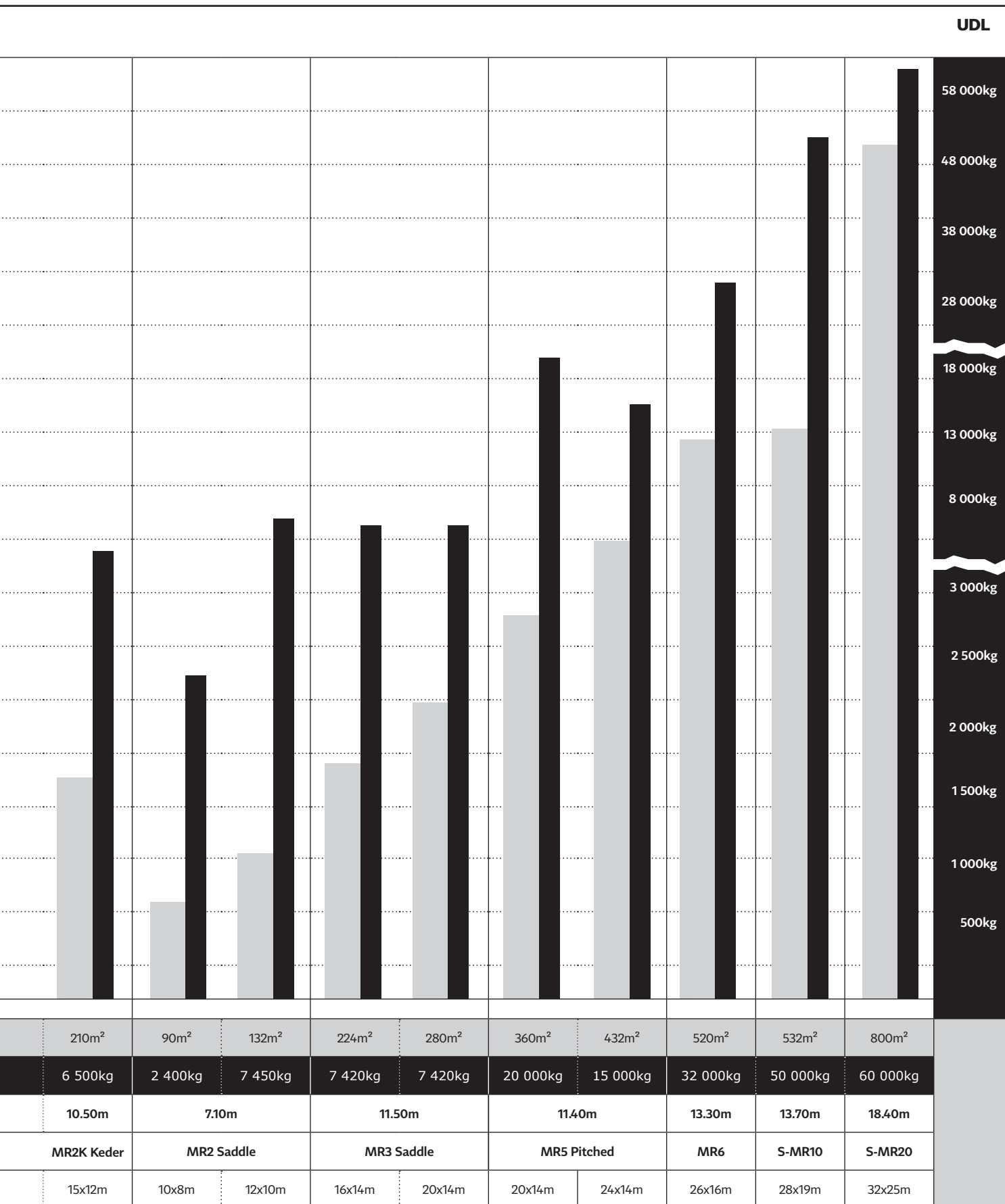
	Values
23x54 mm	$g = 1,48 \text{ kg/m}$



MILOS Roofs Overview

Stage size





Rigging accessories

Get set!





Use QR code
for full range

Rigging accessories

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



O-Ring

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

Available for SWL up to 6000 kg (13227 lbs)



Shackle

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

Available for SWL up to 6500 kg (14330 lbs)



Turnbuckle

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

For tensioning wires



Stac chain 1.5m

Code	kg	lbs	Weight
STACCHAIN			4.67 (10.3)

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



Safety wire ropes

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

Available diameters: 3mm (0.09")



Steel flex

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

Fire rating to 200°C



MILOS 25x1300mm ratchet strap

Code	Weight
MIL-RAT	kg lbs 0.41 (0.9)



MILOS 25x900mm tensioning strap

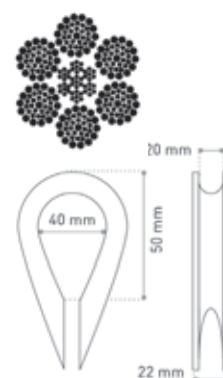
Code	Weight
MIL-STR	kg lbs 0.06 (0.13)



Ratchet strap 1500mm

Code	Weight
RAT-1.5m	kg lbs 0.46 (1.01)

Various lengths and tonnages available



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

NOTE:

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

Crowd barriers

Back off!

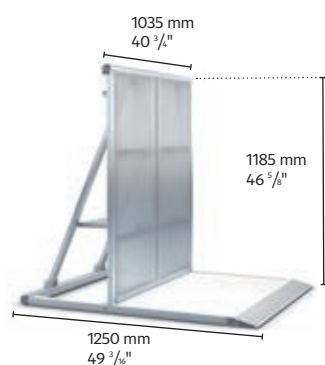




Use QR code
for full range

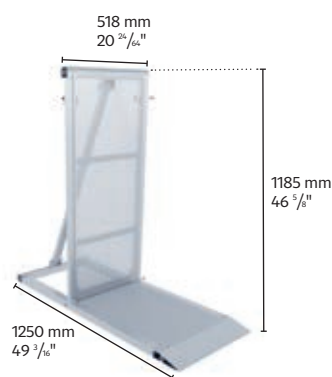
Crowd barriers

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



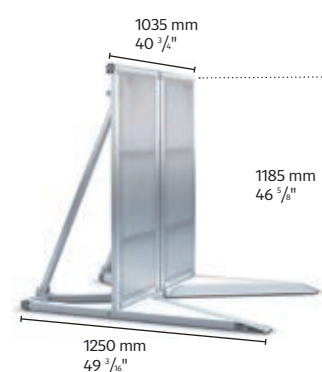
Crowd barrier – 1 m standard unit

Code	kg	lbs
CWB-B	41.2	(90.83)



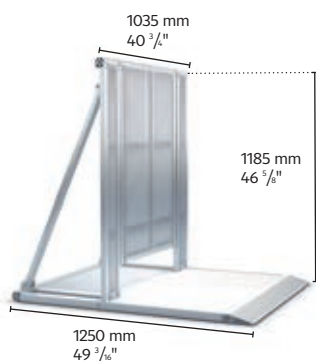
Crowd barrier – Half unit

Code	kg	lbs
CWB-BH	20.8	(45.85)



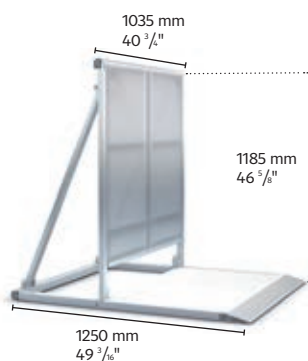
Crowd barrier – Variable corner

Code	kg	lbs
CWB-VC	36.2	(79.80)



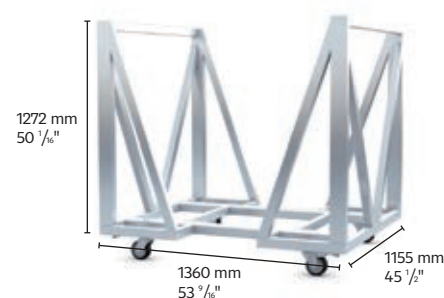
Crowd barrier – Gate access

Code	kg	lbs
CWB-DC	50.3	(110.89)



Crowd barrier – 1 m cable cross

Code	kg	lbs
CWB-BC	37.2	(82.01)



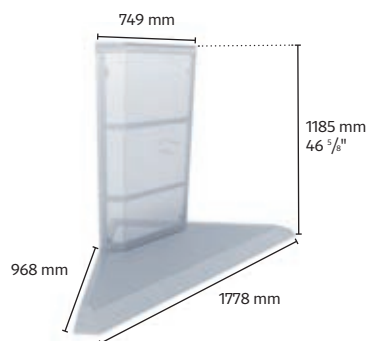
Crowd barrier – Cart up to 10 barriers

Code	kg	lbs
CWB-CART	50.3	(110.89)



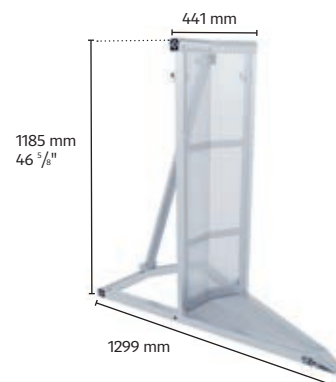
Crowd barrier – Inside corner 90°

Code	kg	lbs
CWB-IC90	27.5	(60.62)



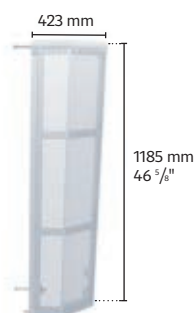
Crowd barrier – Outside corner 90°

Code	kg	lbs
CWB-OC90	30.4	(66.22)



Crowd barrier – Inside corner 30°

Code	kg	lbs
CWB-IC30	15.8	(34.83)



Crowd barrier – 90° Compensator

Code	kg	lbs
CWB-90C	8.1	(17.85)



Crowd barrier – Vario light with 80W x 15H cm, lower cable slot

Code	kg	lbs
CWB-VLC	19.1	(42.1)



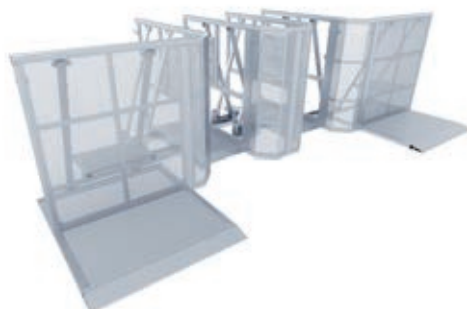
Crowd barrier – Vario light

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	kg	lbs
2x CWB-B + 4x CWB-90C + 2x CWB-SGA		



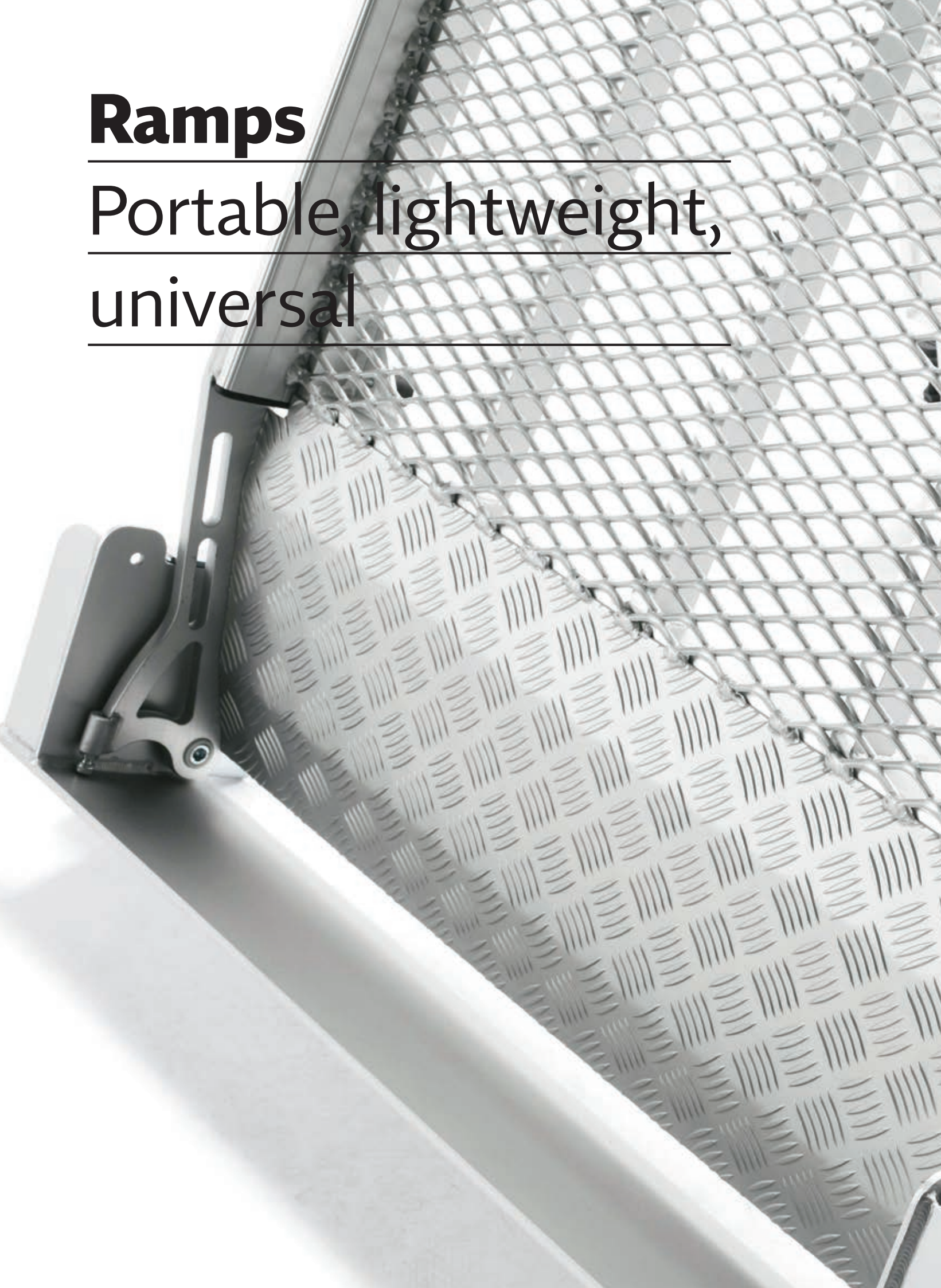
Connection set

Code	kg	lbs
CWB-FC	0.50	(1.00)

Set of bolts

Ramps

Portable, lightweight,
universal

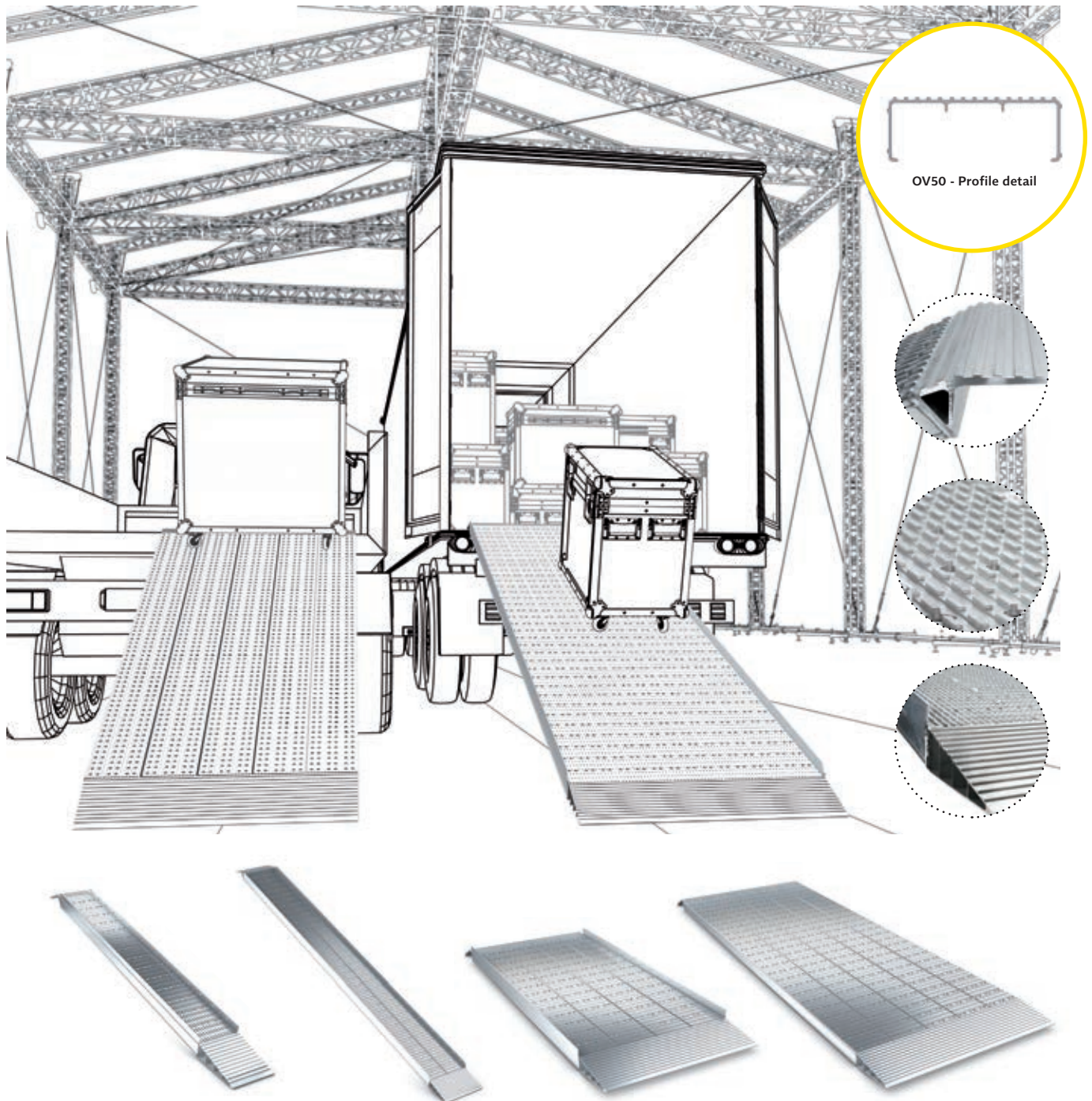




Use QR code
for full range

OV50 light ramps

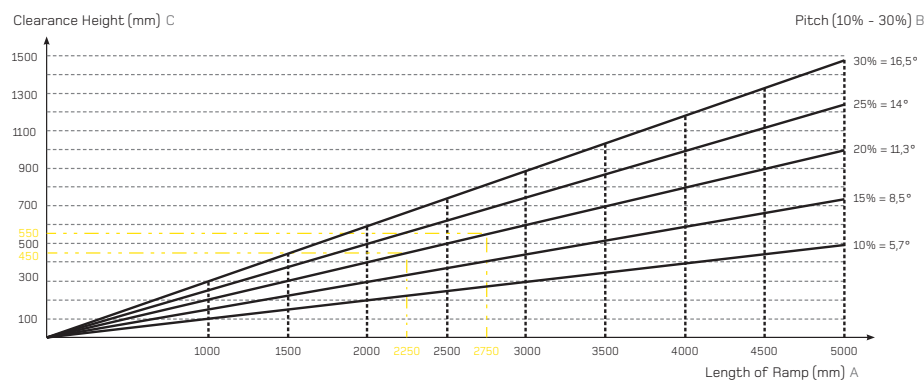
- Lightweight profile made of EN AW-6063 T6
- Raised side rails 45mm (1.77") as standard
- Anti-slip surface
- Loading capacity up to 1950 kg (4290 lbs)
- Length up to 5000mm (196.85")
- Wide selection of sizes
- Ultra heavy duty use
- Ideal for concert touring



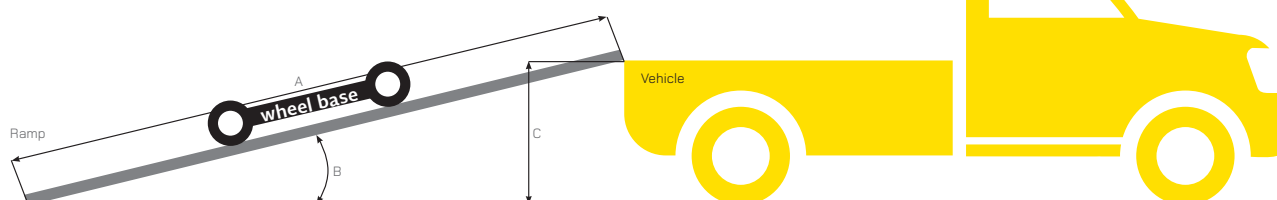
OV50

Light loading ramps

Available in 200 - 400 - 600 - 800 - 1000mm (7.87 - 15.75 - 23.62 - 31.50 - 39.37"). Side railing height 45mm (1.77")



$$\text{Length of Ramp (mm) A} = \frac{\text{Clearance Height (mm) C}}{\text{Pitch (10\% - 30\%) B}} \times 100$$



OV50

Technical specifications

Code		Length		Width		Height		SWL pair piece*		Weight per ramp	
		mm	in	mm	in	mm	in	kg	lbs	kg	lbs
OV50-200x1500		1500	(59.06)	200	(7.87)	450	(17.72)	820.00	(1804.00)	6.00	(13.20)
OV50-200x2000		2000	(78.74)	200	(7.87)	600	(23.62)	660.00	(1452.00)	8.00	(17.60)
OV50-200x2500		2500	(98.43)	200	(7.87)	750	(29.53)	530.00	(1166.00)	9.00	(19.80)
OV50-200x3000		3000	(118.11)	200	(7.87)	900	(35.43)	440.00	(968.00)	11.00	(24.20)
OV50-200x3500		3500	(137.80)	200	(7.87)	1050	(41.34)	380.00	(836.00)	13.00	(28.60)
OV50-200x4000		4000	(157.48)	200	(7.87)	1200	(47.24)	330.00	(726.00)	14.00	(30.80)
OV50-400x1500		1500	(59.06)	400	(15.75)	450	(17.72)	1780.00	(3916.00)	12.00	(26.40)
OV50-400x2000		2000	(78.74)	400	(15.75)	600	(23.62)	1450.00	(3190.00)	15.00	(33.00)
OV50-400x2500		2500	(98.43)	400	(15.75)	750	(29.53)	1200.00	(2640.00)	18.00	(39.60)
OV50-400x3000		3000	(118.11)	400	(15.75)	900	(35.43)	1000.00	(2200.00)	22.00	(48.40)
OV50-400x3500		3500	(137.80)	400	(15.75)	1050	(41.34)	860.00	(1892.00)	25.00	(55.00)
OV50-400x4000		4000	(157.48)	400	(15.75)	1200	(47.24)	750.00	(1650.00)	28.00	(61.60)
OV50-400x4500		4500	(177.17)	400	(15.75)	1350	(53.15)	670.00	(1474.00)	31.00	(68.20)
OV50-400x5000		5000	(196.85)	400	(15.75)	1500	(59.06)	600.00	(1320.00)	35.00	(77.00)
OV50-600x1500		1500	(59.06)	600	(23.62)	450	(17.71)	1800.00	(3960.00)	19.00	(41.80)
OV50-600x2000		2000	(78.74)	600	(23.62)	600	(23.62)	1490.00	(3278.00)	24.00	(52.80)
OV50-600x2500		2500	(98.42)	600	(23.62)	750	(29.52)	1260.00	(2772.00)	29.00	(63.80)
OV50-600x3000		3000	(118.11)	600	(23.62)	900	(35.43)	1080.00	(2376.00)	34.00	(74.80)
OV50-600x3500		3500	(137.79)	600	(23.62)	1050	(41.33)	930.00	(2046.00)	40.00	(88.00)
OV50-600x4000		4000	(157.48)	600	(23.62)	1200	(47.24)	810.00	(1782.00)	45.00	(99.00)
OV50-600x4500		4500	(177.16)	600	(23.62)	1350	(53.14)	730.00	(1606.00)	50.00	(110.00)
OV50-600x5000		5000	(196.85)	600	(23.62)	1500	(59.05)	690.00	(1518.00)	56.00	(123.20)
OV50-800x1500		1500	(59.06)	800	(31.50)	450	(17.72)	1950.00	(4290.00)	23.00	(50.60)
OV50-800x2000		2000	(78.74)	800	(31.50)	600	(23.62)	1700.00	(3740.00)	30.00	(66.00)
OV50-800x2500		2500	(98.43)	800	(31.50)	750	(29.53)	1450.00	(3190.00)	36.00	(79.20)
OV50-800x3000		3000	(118.11)	800	(31.50)	900	(35.43)	1250.00	(2750.00)	43.00	(94.60)
OV50-800x3500		3500	(137.80)	800	(31.50)	1050	(41.34)	1070.00	(2354.00)	50.00	(110.00)
OV50-800x4000		4000	(157.48)	800	(31.50)	1200	(47.24)	940.00	(2068.00)	56.00	(123.20)
OV50-800x4500		4500	(177.17)	800	(31.50)	1350	(53.15)	835.00	(1837.00)	63.00	(138.60)
OV50-800x5000		5000	(196.85)	800	(31.50)	1500	(59.06)	800.00	(1760.00)	69.00	(151.80)
OV50-1000x1500		1500	(59.06)	1000	(39.37)	450	(17.72)	1950.00	(4290.00)	29.00	(63.80)
OV50-1000x2000		2000	(78.74)	1000	(39.37)	600	(23.62)	1700.00	(3740.00)	37.00	(81.40)
OV50-1000x2500		2500	(98.43)	1000	(39.37)	750	(29.53)	1450.00	(3190.00)	45.00	(99.00)
OV50-1000x3000		3000	(118.11)	1000	(39.37)	900	(35.43)	1250.00	(2750.00)	53.00	(116.60)
OV50-1000x3500		3500	(137.80)	1000	(39.37)	1050	(41.34)	1070.00	(2354.00)	62.00	(136.40)
OV50-1000x4000		4000	(157.48)	1000	(39.37)	1200	(47.24)	940.00	(2068.00)	70.00	(154.00)
OV50-1000x4500		4500	(177.17)	1000	(39.37)	1350	(53.15)	835.00	(1837.00)	78.00	(171.60)
OV50-1000x5000		5000	(196.85)	1000	(39.37)	1500	(59.06)	800.00	(1760.00)	86.00	(189.20)

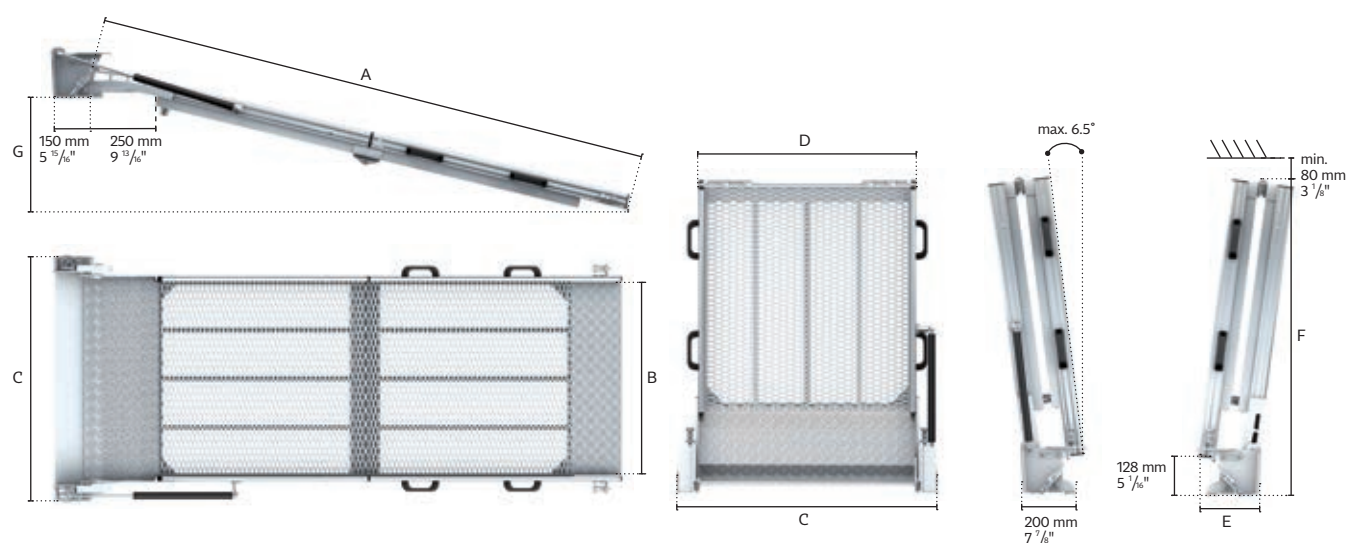
*SWL counted for 1250 mm wheelbase



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")
- Anodized anti-slip surface
- Quick & simple operation
- Gas strut for easy handling
- Optional safety belts
- Front and side crash test at 20G Conformity with EN 1789/A2



*suitable for cars with raised bumper

RA10 RAMPS

Code	Description
RA10-405x800	Folding - 2 pieces
RA10-405x1000	Folding - 2 pieces
RA10-450x600	Folding - 2 pieces
RA10-450x800	Folding - 2 pieces
RA10-450x1000	Folding - 2 pieces
RA10-550x600	Folding - 2 pieces
RA10-550x800	Folding - 2 pieces
RA10-550x1000	Folding - 2 pieces

mm in

Technical specifications

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°) 550 (18°)	29 (63.92)
2033 (80.04)	1000 (39.37)	1205 (47.44)	1040 (40.94)	255 (10.04)	1112 (43.78)	305 (11°) 550 (18°)	36 (79.35)
2253 (88.70)	600 (23.62)	805 (31.69)	640 (25.20)	255 (10.04)	1222 (48.11)	350 (11°) 600 (18°)	28 (61.72)
2253 (88.70)	800 (31.50)	1005 (39.57)	840 (33.07)	255 (10.04)	1222 (48.11)	350 (11°) 600 (18°)	30 (66.13)
2253 (88.70)	1000 (39.37)	1205 (47.44)	1040 (40.94)	255 (10.04)	1222 (48.11)	350 (11°) 600 (18°)	37 (81.56)
2754 (108.43)	600 (23.62)	815 (32.09)	640 (25.20)	255 (10.04)	1472 (57.95)	450 (11°) 750 (18°)	29 (63.92)
2754 (108.43)	800 (31.50)	1005 (39.57)	840 (33.07)	255 (10.04)	1472 (57.95)	450 (11°) 750 (18°)	35 (77.15)
2754 (108.43)	1000 (39.37)	1205 (47.44)	1040 (40.94)	255 (10.04)	1472 (57.95)	450 (11°) 750 (18°)	38 (83.76)

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



Milos

Spindlerova 286
413 01 Roudnice nad Labem
Czech Republic

Tel +420 416 810 800
info@milos.cz
www.milossystems.com

