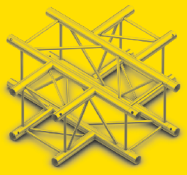
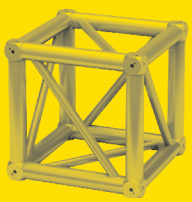
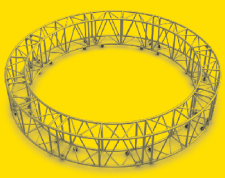
Product Catalogue

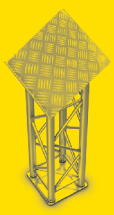
12th Edition

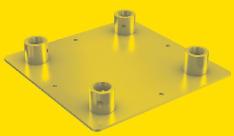
Milos. Works better.

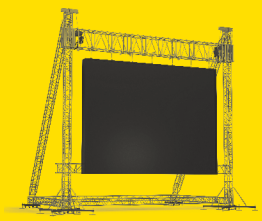


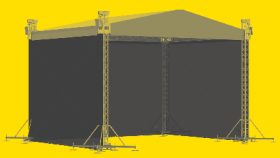


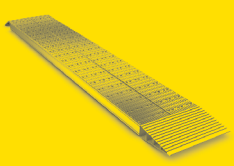












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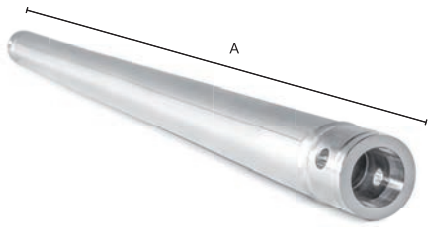
Aluminium trusses

Connecting
the world

Use QR code
for full range

M100

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



M100

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

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

M100

LOADING CHART

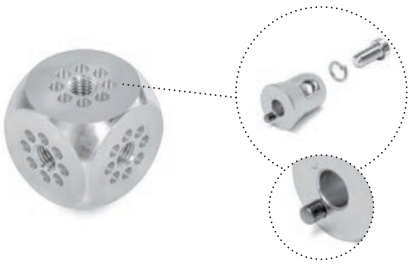
M100		Beam on two supports										(Continous tube tube without any modofications)	
Span	m (ft)	0.50	(1.64)	1.00	(3.28)	1.50	(4.92)	2.00	(6.56)	2.50	(8.20)	3.00	(9.84)
Centre Point Load (CPL)	kg (lbs)	429.00	(945.78)	214.00	(471.79')	142.00	(313.05)	106.00	(233.69)	85.00	(187.39)	70.00	(154.32)
Deflection	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	(1156.00)	429.00	(637.90)	190.00	(127.78)	106.00	(71.28)	68.00	(57.28)	47.00	(31,60)
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	(758.45)	224.00	(150.60)	99.00	(66.55)	55.00	(36.90)	35.00	(29.50)	24.00	(16.15)
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 (Centre Point Load)	TPL (Third Point Load)	UDL (Uniformly Distributed Load)	(Pointload at the end)



CUBEB-UNI

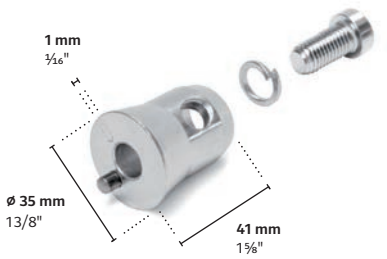
Series	kg	lbs
M100	**0.27** (0.60)	

Universal multiconnection cube that's 360° adjustable

HINGEQB-UNI

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

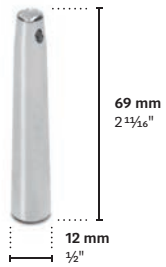
Universal hinge



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



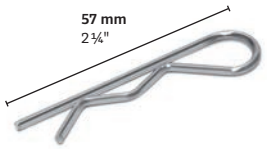
PB|Pin

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

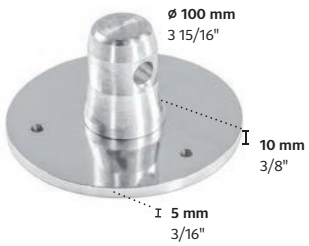
Series	kg	lbs
M100	**0.002** (0.004)	

Safety R Clip B

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

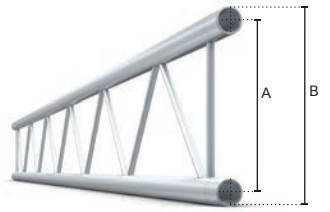
Series	kg	lbs
M100	**0.003** (0.007)	

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

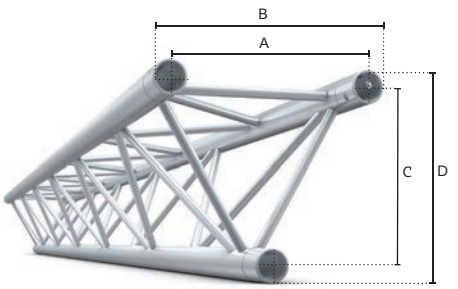


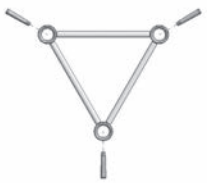
M222

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



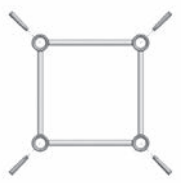


M222

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)

TRIO 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)

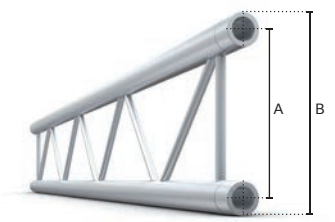
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)

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

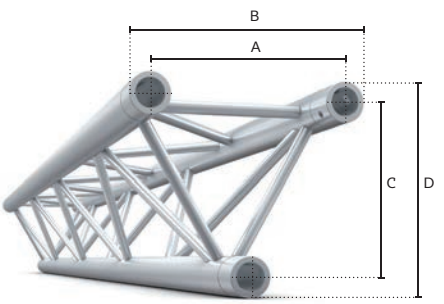
DUO



M290

		Main Chords	Diagonals	Alloy	A	B	Coupler
BTB	mm / in	**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**

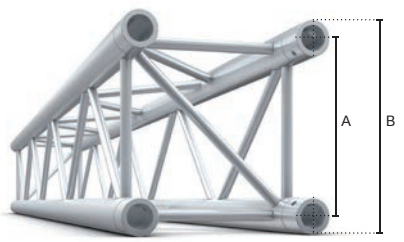
TRIO

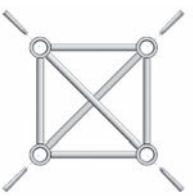


M290

		Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
STB	mm / in	**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	mm / in	**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)

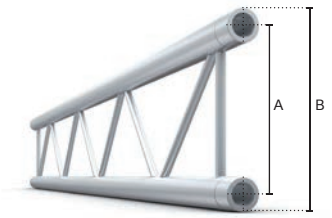
Higher loading values for U version available

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

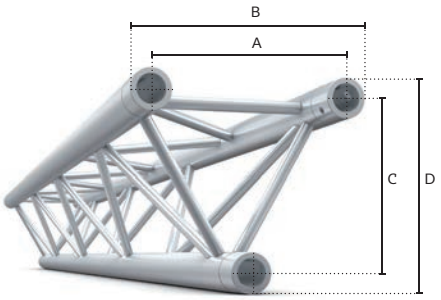


M290V

mm in

	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**
BTVU	**48x3** (1.89x0.12)	**20x2** (0.78x0.08)	**EN - AW 6082 T6**	**240** (9.44)	**288** (11.34)	**CCU**

TRIO

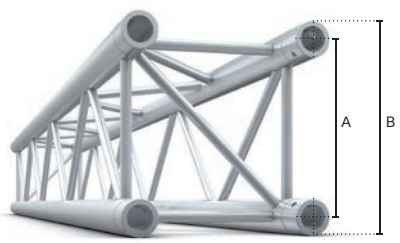


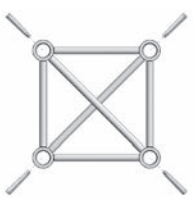
M290V

mm in

	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

mm in

	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

mm / in	Main Chords	Brace	Range
	50x10 (1.96x0.39)	**30x3** (1.18x0.12)	**BTB, BTF, BTU, BTV, BTVF, BTVU, BTVUU**

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

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

M390 105 - 149 mm

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

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

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

M290 150 - 229 mm

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

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

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

M390 150 - 249 mm

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

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

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

M290 230 - 450 mm

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

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

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

M390 250 - 440 mm

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

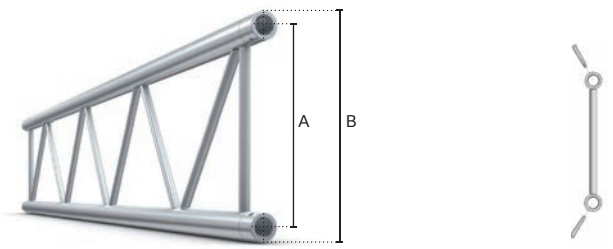
Main Chords	Brace	Range
50x2 (1.96x0.39)	**20x2** (0.78x0.08)	**STK, STKF**
48x3 (1.89x0.12)	**20x2** (0.78x0.08)	**STL, STLF**

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

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

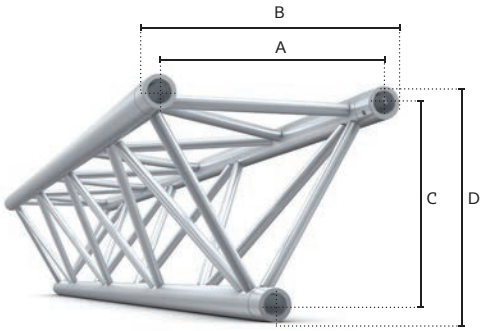


M390

BTK / BTKF — mm / in

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

TRIO

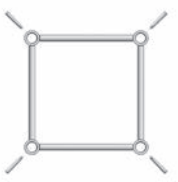


M390

STK / STKF — mm / in

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

QTK / QTKF — mm / in

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

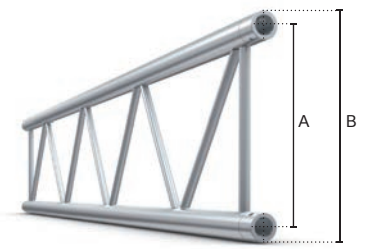
Span	m (ft)	4.00 (13.12)	6.00 (19.69)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	16.00 (52.49)	20.00 (65.61)
Centre Point Load (CPL)	kg (lbs)	1491.00 (3287.09)	1083.30 (2388.26)	802.70 (1769.65)	632.10 (1393.54)	516.50 (1138.69)	367.80 (810.86)	274.10 (604.28)
Deflection	mm (in)	8.00 (0.31)	19.80 (0.78)	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)

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

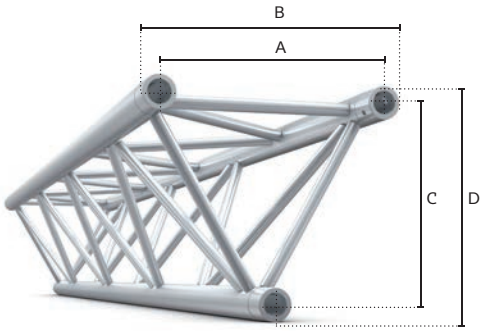


M390L

BTL / **BTLF** — mm / in

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

TRIO

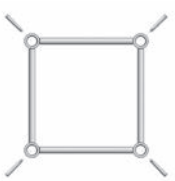


M390L

STL / **STLF** — mm / in

Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
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**
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

QTL / **QTLF** — mm / in

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

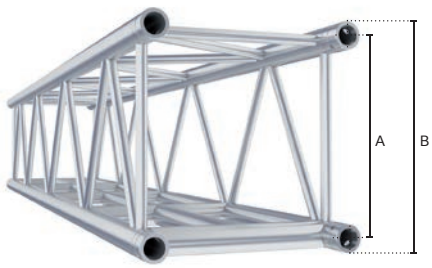
Span	m (ft)	6.00 (19.69)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	14.00 (45.93)	16.00 (52.49)	20.00 (65.61)
Centre Point Load (CPL)	kg (lbs)	1526.90 (3366.23)	1133.50 (2498.94)	894.70 (1972.47)	733.30 (1616.65)	616.10 (1358.27)	526.60 (1160.95)	397.10 (875.45)
Deflection	mm (in)	19.80 (0.78)	35.40 (1.39)	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)

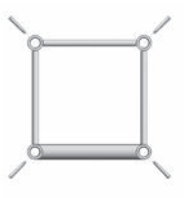
All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force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





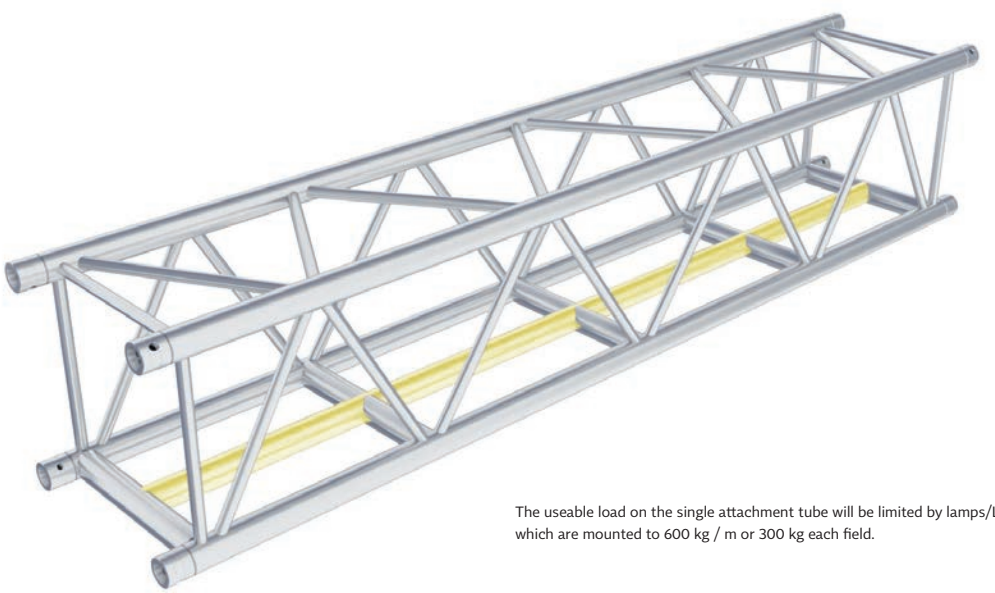
M390L

		Main Chords	Diagonals	Alloy	A	B	Coupler
QTL-LED	mm / in	**48x3** (1.89x0.12)	**20x2** (0.78x0.08)	**EN - AW 6082 T6**	**340** (13.39)	**388** (15.28)	**CCB**
QTLF-LED		**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

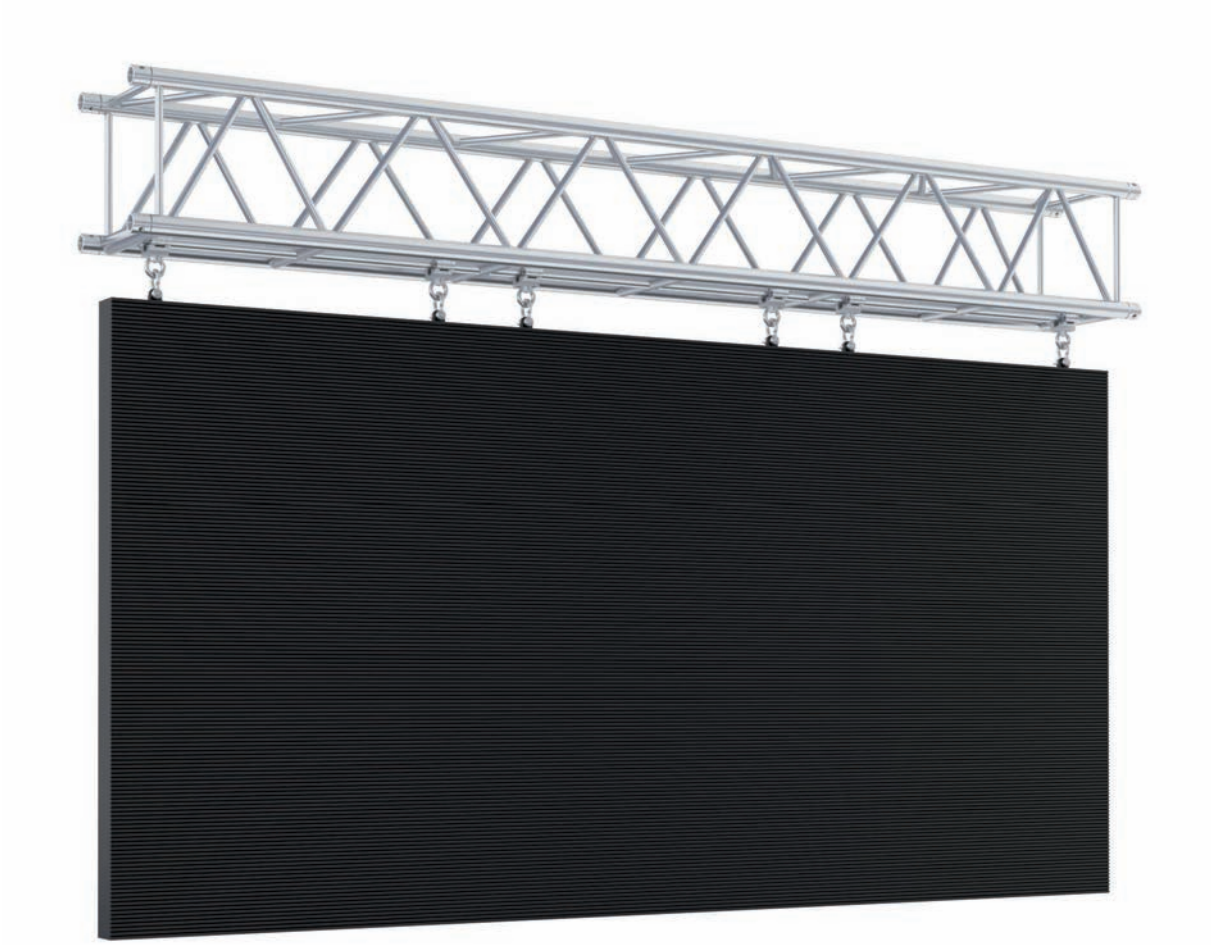
LOADING CHART

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)

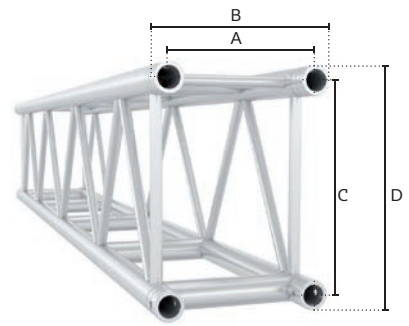
All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force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

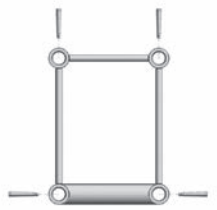


M290x390

- 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

RTL (mm / in)

Main Chords	Diagonals	Horizontal Braces	Alloy	A	B	C	D	Coupler
48x3 (1.89x0.12)	**20x2** (0.78x0.08)	**48x3** (1.89x0.12)	**EN - AW 6082 T6**	**240** (9.45)	**290** (11.40)	**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)	**7.40** (0.29)	**12.30** (0.48)	**18.30** (0.71)	**25.50** (0.99)	**34.00** (1.33)	**43.60** (1.70)	**54.50** (2.13)
Third Point Load (TPL)	kg (lbs)	**1278.00** (2817.99)	**1103.00** (2432.12)	**973.00** (2145.47)	**859.00** (1894.10)	**773.00** (1704.47)	**697.00** (1536.89)	**630.00** (1389.15)
Deflection	mm (in)	**8.30** (0.32)	**14.00** (0.55)	**21.50** (0.84)	**30.30** (1.18)	**41.00** (1.60)	**53.00** (2.07)	**66.20** (2.58)
Quarter Point Load (QPL)	kg (lbs)	**925.70** (2041.17)	**883.00** (1947.02)	**755.00** (1664.78)	**650.80** (1435.01)	**566.20** (1248.47)	**500.00** (1102.50)	**446.70** (984.97)
Deflection	mm (in)	**8.40** (0.33)	**15.60** (0.61)	**23.20** (0.90)	**32.00** (1.25)	**41.80** (1.63)	**53.00** (2.07)	**65.50** (2.55)
Fifth Point Load (FPL)	kg (lbs)	**694.30** (1530.93)	**692.60** (1527.18)	**604.00** (1331.82)	**521.00** (1148.81)	**462.00** (1018.71)	**412.00** (908.46)	**369.00** (813.65)
Deflection	mm (in)	**8.00** (0.31)	**15.60** (0.61)	**23.70** (0.92)	**32.60** (1.27)	**43.40** (1.69)	**55.60** (2.17)	**68.60** (2.68)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	**694.30** (466.55)	**554.10** (372.34)	**460.50** (309.44)	**371.90** (249.91)	**283.10** (190.23)	**222.20** (149.31)	**178.70** (120.08)
Deflection	mm (in)	**6.60** (0.26)	**13.00** (0.51)	**22.40** (0.87)	**33.60** (1.31)	**44.00** (1.72)	**55.70** (2.17)	**68.80** (2.68)

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	3.50 (11.48)	4.00 (13.12)
RECT	kg (lbs)	**4.50** (9.92)	**7.70** (16.98)	**11.20** (24.69)	**14.10** (32.85)	**17.20** (37.91)	**20.50** (45.20)	**23.70** (s52.25)	**26.90** (59.31)

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

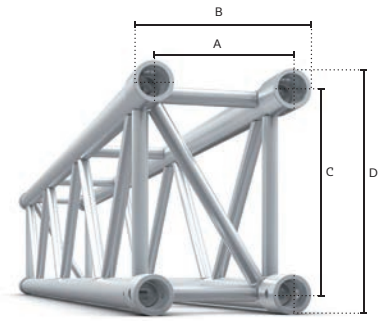
CPL (Centre Point Load) | TPL (Third Point Load) | QPL (Quarter Point Load) | FPL (Fifth Point Load) | UDL (Uniformly Distributed Load)

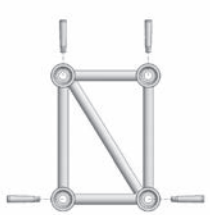
All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force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

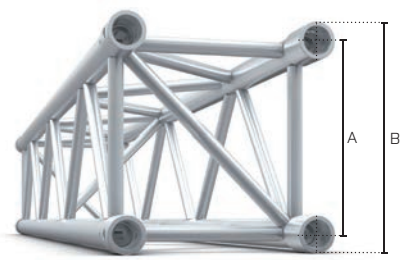


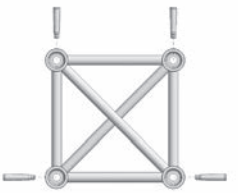


M400

		Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
RTO	mm / in	**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

		Main Chords	Diagonals	Alloy	A	B	Coupler
QTO	mm / in	**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)

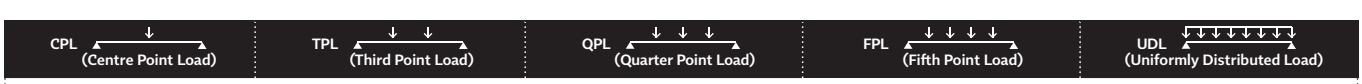
Span	11.00 (36.09)	12.00 (39.37)	13.00 (42.65)	14.00 (45.93)	15.00 (49.21)	16.00 (52.49)	18.00 (59.06)	20.00 (65.62)
Centre Point Load (CPL)	963.50 (2124.15)	874.80 (1928.60)	799.20 (1761.93)	733.70 (1617.53)	676.30 (1490.98)	625.60 (1379.21)	539.60 (1189.61)	469.10 (1034.19)
Deflection	76.50 (3.01)	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 (826,95)	880.70 (591.85)	608.70 (409.00)	444.70 (298.80)	338.30 (277.35)	265.30 (178.25)	213.20 (155.37)
Deflection	mm (in)	11.10 (0.44)	19.40 (0.76)	28.00 (1.10)	38.10 (1.50)	49.80 (1.96)	63.10 (2.48)	78.00 (3.07)

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

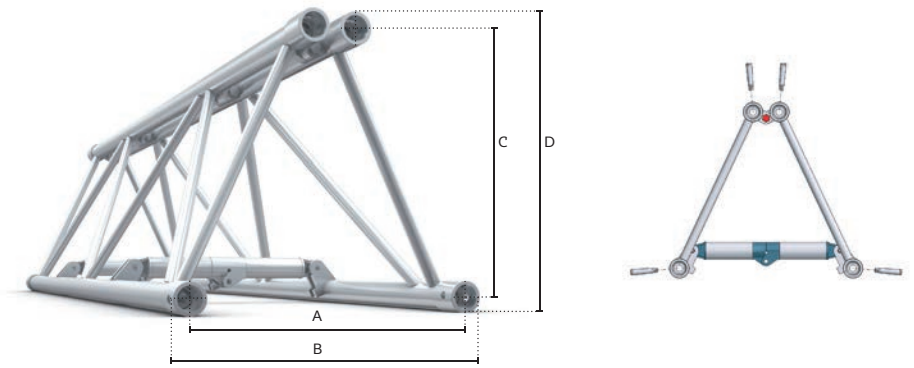


All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force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

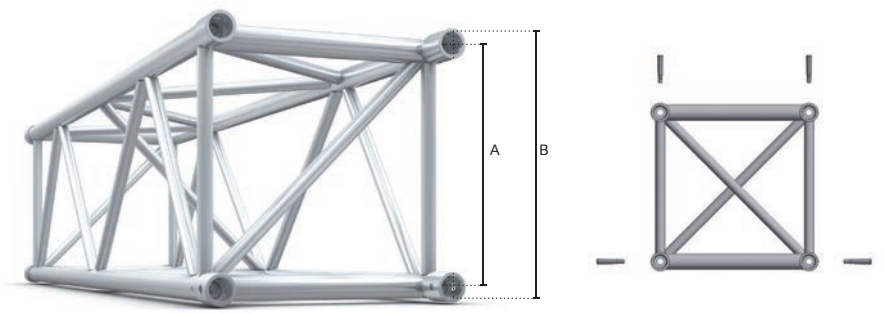
FOLD



M520

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

QUATRO



M520

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

Connection material (pins/clips/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)

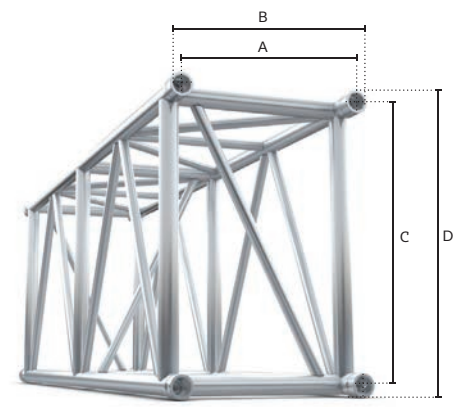
CPL (Centre Point Load)	TPL (Third Point Load)	QPL (Quarter Point Load)	FPL (Fifth Point Load)	UDL (Uniformly Distributed Load)

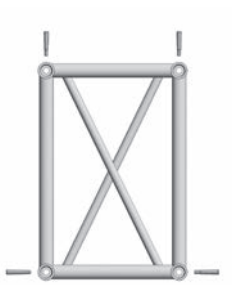
All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force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

M760

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

RECT





M760

RTP (mm / in)

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

M760 RTP RECT

LOADING CHART

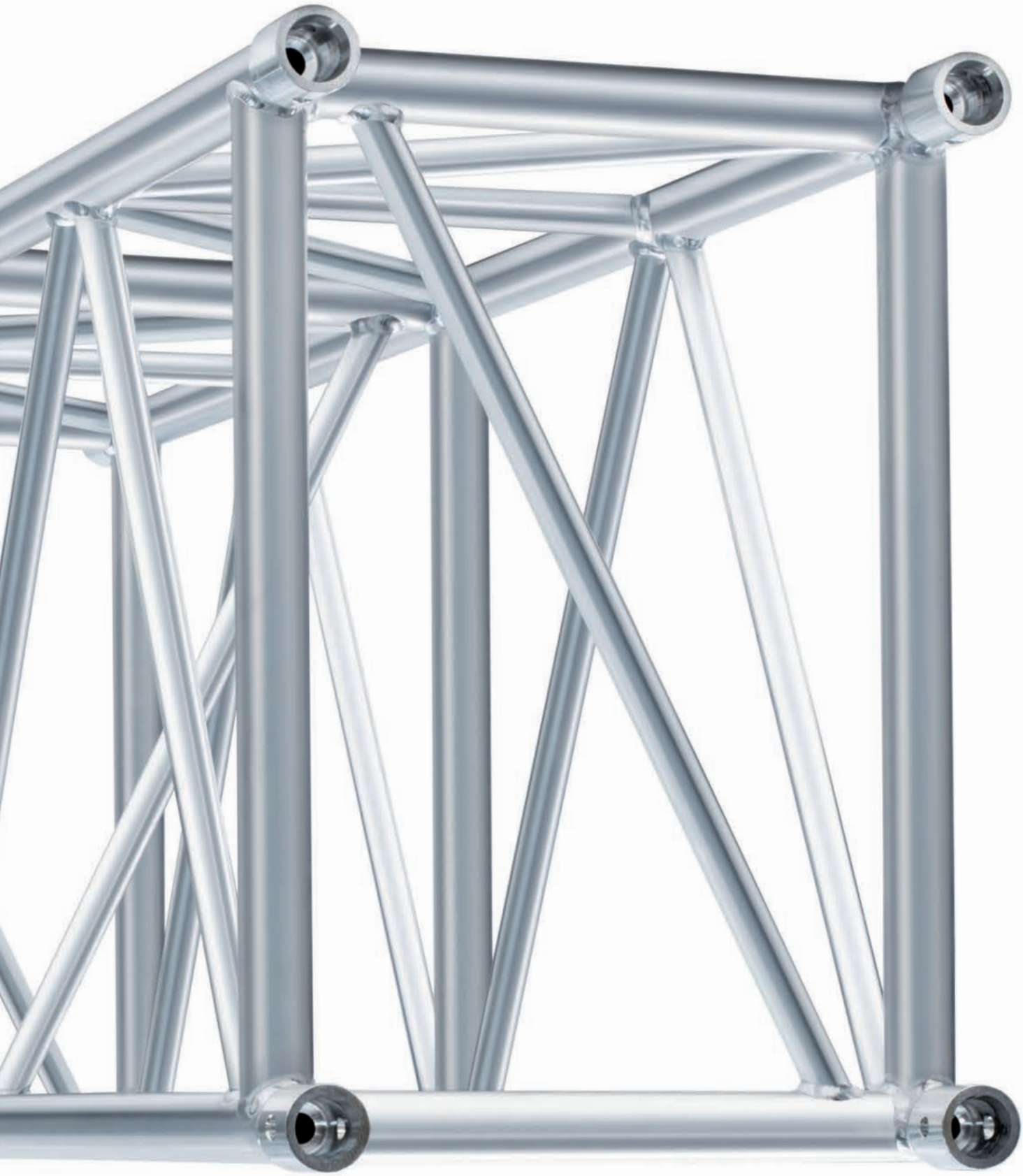
Span	m (ft)	8.00	(26.25)	10.00	(32.81)	12.00	(39.37)	14.00	(45.93)	16.00	(52.49)	18.00	(59.06)
Centre Point Load (CPL)	kg (lbs)	3238.20	(7139.00)	2557.50	(5638.32)	2097.60	(4624.41)	1763.90	(3888.73)	1509.00	(3326.77)	1306.70	(2880.78)
Deflection	mm (in)	17.00	(0.67)	26.70	(1.05)	38.70	(1.52)	53.00	(2.09)	69.80	(2.75)	89.10	(3.51)
Third Point Load (TPL)	kg (lbs)	2121.50	(4677.10)	1918.20	(4228.90)	1573.20	(3468.31)	1322.90	(2916.49)	1131.80	(2495.19)	980.00	(2160.53)
Deflection	mm (in)	18.90	(0.74)	33.80	(1.33)	48.70	(1.92)	66.40	(2.61)	86.80	(3.42)	110.10	(4.33)
Quarter Point Load (QPL)	kg (lbs)	1414.30	(3117.99)	1278.80	(2819.27)	1048.80	(2312.21)	882.00	(1944.47)	754.50	(1663.39)	653.30	(1440.28)
Deflection	mm (in)	17.60	(0.69)	31.50	(1.24)	45.40	(1.79)	62.00	(2.44)	81.30	(3.20)	103.30	(4.07)
Fifth Point Load (FPL)	kg (lbs)	1060.80	(2338.66)	1051.60	(2318.38)	874.00	(1926.84)	735.00	(1620.40)	628.80	(1386.27)	544.50	(1200.42)
Deflection	mm (in)	16.80	(0.66)	32.90	(1.30)	48.00	(1.89)	65.50	(2.58)	85.70	(3.37)	108.80	(4.28)
Uniformly Distributed Load (UDL)	kg/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	(10 48.30)	417.70	(920.87)	368.20	(811.74)	325.20	(716.94)	287.20	(633.17)	253.30	(558.43)	222.60	(490.75)
Deflection	134.60	(5.30)	163.40	(6.43)	195.10	(7.68)	229.70	(9.04)	267.40	(10.53)	308.20	(12.13)	352.20	(13.87)
Uniformly Distributed Load (UDL)	114.10	(76.67)	91.10	(61.22)	73.60	(49.46)	60.00	(40.32)	49.20	(33.06)	40.50	(27.21)	33.40	(73.63)
Deflection	133.70	(5.26)	162.30	(6.39)	193.90	(7.63)	228.40	(8.99)	265.90	(10.47)	306.60	(12.07)	350.40	(13.80)

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	3.50 (11.48)	4.00 (13.12)
RECT	kg (lbs)	22.60 (49.89)	33.30 (73.5)	37.10 (81.84)	47.80 (105.4)	51.50 (113.65)	62.20 (137.22)	65.90 (145.4)

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



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

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

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
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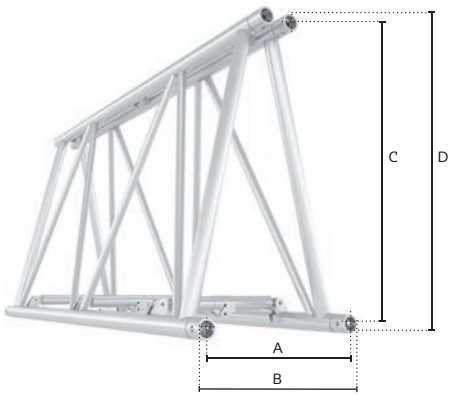
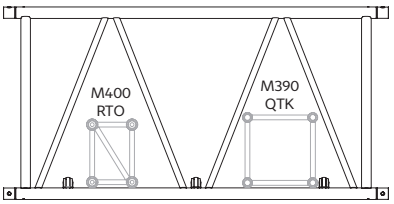
FOLD





M950

		Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
FTT	mm / in	**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)

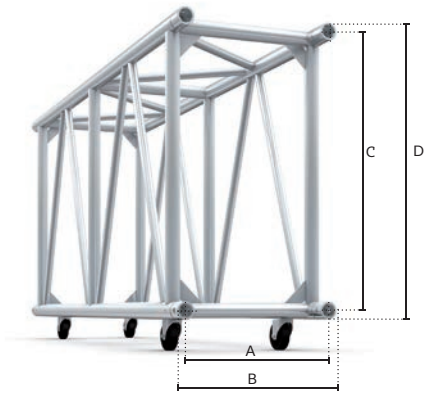
Span	**24.00** (78.74)	**26.00** (85.30)	**28.00** (91.86)	**30.00** (98.43)	**32.00** (104.99)	**34.00** (111.55)	**36.00** (118.11)	**38.00** (124.67)	**40.00** (131.23)
Centre Point Load (CPL)	**2106.50** (4644.03)	**1905.60** (4201.12)	**1730.60** (3815.32)	**1576.20** (3474.92)	**1438.60** (3171.57)	**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	mm / in	**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	24.00	(78.74)	26.00	(85.30)	28.00	(91.86)	30.00	(98.43)	32.00	(104.99)	34.00	(111.55)	36.00	(118.11)	38.00	(124.67)	40.00	(131.23)
Centre Point Load (CPL)	**2073.40**	(4571.06)	**1869.80**	(4122.20)	**1692.00**	(3730.22)	**1534.90**	(3383.87)	**1394.50**	(3074.34)	**1268.00**	(2795.46)	**1152.90**	(2541.71)	**1047.60**	(2309.56)	**950.50**	(2095.49)
Deflection	**110.00**	(4.33)	**130.10**	(5.12)	**152.10**	(5.99)	**176.10**	(6.93)	**202.20**	(7.96)	**230.50**	(9.07)	**261.00**	(10.28)	**293.90**	(11.57)	**329.30**	(12.96)
Third Point Load (TPL)	**1493.00**	(3291.50)	**1402.40**	(3091.76)	**1269.00**	(2797.66)	**1151.20**	(2537.96)	**1045.90**	(2305.81)	**951.00**	(2096.59)	**864.70**	(1906.33)	**785.70**	(1732.17)	**712.90**	(1571.67)
Deflection	**131.10**	(5.16)	**159.70**	(6.29)	**185.50**	(7.30)	**213.40**	(8.40)	**243.40**	(9.58)	**275.40**	(10.84)	**309.50**	(12.19)	**345.70**	(13.61)	**384.00**	(15.12)
Quarter Point Load (QPL)	**1036.70**	(2285.53)	**934.90**	(2061.10)	**846.00**	(1865.11)	**767.40**	(1691.83)	**697.30**	(1537.28)	**634.00**	(1397.73)	**576.50**	(1270.96)	**523.80**	(1154.78)	**475.20**	(1047.64)
Deflection	**127.40**	(5.02)	**150.10**	(5.91)	**174.70**	(6.88)	**201.30**	(7.93)	**230.00**	(9.06)	**260.80**	(10.27)	**293.70**	(11.56)	**328.90**	(12.95)	**366.20**	(14.42)
Fifth Point Load (FPL)	**795.00**	(1752.67)	**779.10**	(1717.62)	**705.00**	(1554.26)	**639.50**	(1409.85)	**581.10**	(1281.10)	**528.30**	(1164.70)	**480.40**	(1059.10)	**436.50**	(962.32)	**396.00**	(873.03)
Deflection	**124.80**	(4.91)	**157.80**	(6.21)	**183.40**	(7.22)	**211.00**	(8.31)	**240.70**	(9.48)	**272.50**	(10.73)	**306.40**	(12.06)	**342.40**	(13.48)	**380.50**	(14.98)
Uniformly Distributed Load (UDL)	**132.50**	(89.04)	**120.60**	(81.04)	**110.30**	(74.12)	**101.40**	(68.14)	**87.20**	(58.60)	**74.60**	(50.13)	**64.10**	(43.07)	**55.10**	(37.03)	**47.50**	(31.92)
Deflection	**106.20**	(4.18)	**135.20**	(5.32)	**169.10**	(6.66)	**208.20**	(8.20)	**239.20**	(9.42)	**270.90**	(10.67)	**304.60**	(11.99)	**340.50**	(13.41)	**378.60**	(14.91)

M950 RTTH RECT HD

LOADING CHART

Span	m (ft)	8.00	(26.25)	10.00	(32.81)	12.00	(39.37)	14.00	(45.93)	16.00	(52.49)	18.00	(59.06)	20.00	(65.62)	22.00	(72.18)
Centre Point Load (CPL)	kg (lbs)	**4077.00**	(8988.25)	**3719.00**	(8198.99)	**3369.00**	(7427.37)	**3068.00**	(6763.78)	**2797.00**	(6166.33)	**2579.00**	(5685.72)	**2341.00**	(5161.02)	**2166.00**	(4775.21)
Deflection	mm (in)	**7.00**	(0.28)	**12.60**	(0.49)	**20.00**	(0.79)	**29.30**	(1.15)	**40.60**	(1.60)	**54.40**	(2.14)	**69.30**	(2.73)	**87.30**	(3.44)
Third Point Load (TPL)	kg (lbs)	**2309.00**	(5090.47)	**2159.00**	(4759.78)	**2044.00**	(4506.25)	**1923.00**	(4239.49)	**1798.00**	(3963.91)	**1695.00**	(3736.84)	**1586.00**	(3496.53)	**1473.00**	(3247.41)
Deflection	mm (in)	**6.70**	(0.26)	**12.50**	(0.49)	**20.60**	(0.81)	**31.80**	(1.23)	**44.20**	(1.74)	**60.20**	(2.37)	**78.70**	(3.10)	**99.20**	(3.91)
Quarter Point Load (QPL)	kg (lbs)	**1630.00**	(3593.54)	**1559.00**	(3437.01)	**1486.00**	(3276.07)	**1408.00**	(3104.11)	**1344.00**	(2963.01)	**1273.00**	(2806.49)	**1198.00**	(2641.14)	**1133.00**	(2497.84)
Deflection	mm (in)	**6.70**	(0.26)	**12.50**	(0.49)	**20.90**	(0.82)	**31.20**	(1.25)	**45.90**	(1.81)	**62.80**	(2.47)	**82.40**	(3.24)	**105.40**	(4.15)
Fifth Point Load (FPL)	kg (lbs)	**1268.00**	(2795.46)	**1216.00**	(2680.82)	**1156.00**	(2548.54)	**1121.00**	(2471.38)	**1075.00**	(2369.97)	**1021.00**	(2250.92)	**975.00**	(2149.51)	**934.00**	(2059.12)
Deflection	mm (in)	**6.60**	(0.26)	**12.50**	(0.49)	**20.70**	(0.81)	**32.20**	(1.27)	**46.70**	(1.84)	**64.00**	(2.52)	**85.10**	(3.35)	**110.00**	(4.33)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	**1052.00**	(706.90)	**838.00**	(563.17)	**694.00**	(466.39)	**588.00**	(395.16)	**454.00**	(305.10)	**353.70**	(237.70)	**282.00**	(189.51)	**228.90**	(153.83)
Deflection	mm (in)	**9.00**	(0.35)	**17.50**	(0.69)	**30.30**	(1.19)	**47.80**	(1.88)	**63.80**	(2.51)	**80.90**	(3.19)	**100.00**	(3.94)	**121.20**	(4.77)

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

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

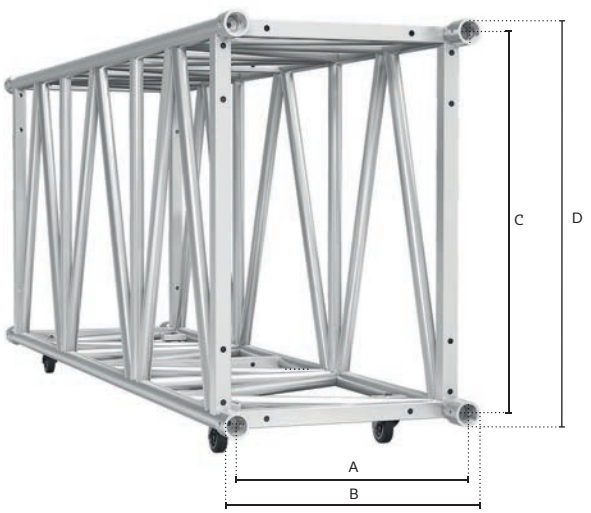
All truss loading calculations are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Self-weight of the truss is included in all listed load capacities • Spans made of different truss lengths • Interaction of bending moment and shear force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

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



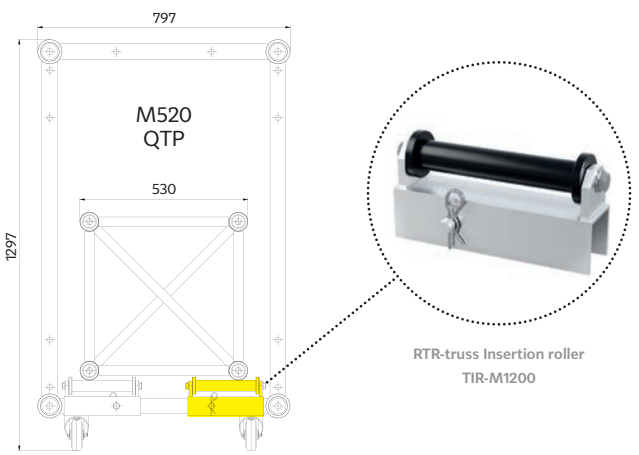
M1200

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

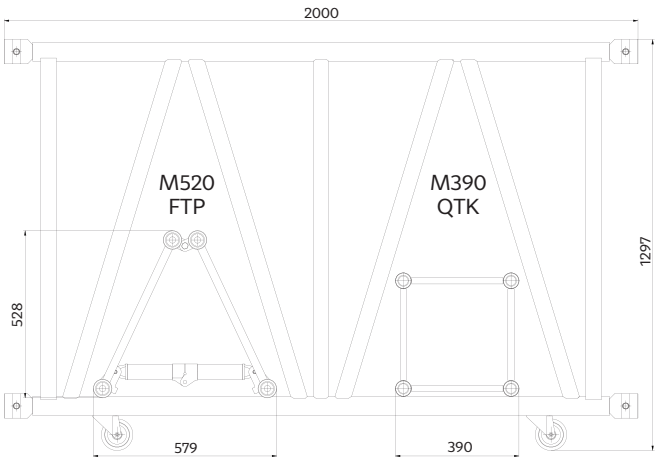
STANDARD LENGTHS AND WEIGHTS AVAILABLE

	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



RTR-truss Insertion roller
TIR-M1200



M1200 RTR

LOADING CHART

Span	m (ft)	8.00	(26.25)	10.00	(32.81)	12.00	(39.37)	14.00	(45.93)	16.00	(52.49)	18.00	(59.06)	20.00	(65.62)	22.00	(72.18)
Centre Point Load (CPL)	kg (lbs)	8678.00	(19131.72)	8622.00	(19008.26)	7709.00	(16995.44)	6560.00	(14462.32)	5692.00	(12548.71)	5011.00	(11047.36)	4461.00	(9834.82)	4006.00	(8831.72)
Deflection	mm (in)	11.00	(0.43)	17.00	(0.67)	24.00	(0.94)	33.00	(1.30)	44.00	(1.73)	56.00	(2.20)	69.00	(2.72)	84.00	(3.31)
Third Point Load (TPL)	kg (lbs)	4342.00	(9572.47)	4315.00	(9512.95)	4288.00	(9453.42)	4260.00	(9391.69)	4233.00	(9332.17)	3758.00	(8284.97)	3346.00	(7376.67)	3005.00	(6624.89)
Deflection	mm (in)	10.00	(0.39)	20.00	(0.79)	31.00	(1.22)	42.00	(1.65)	55.00	(2.17)	70.00	(2.76)	87.00	(3.43)	105.00	(4.13
Quarter Point Load (QPL)	kg (lbs)	2932.00	(6463.95)	2923.00	(6444.11)	2915.00	(6426.47)	2906.00	(6406.63)	2846.00	(6274.36)	2505.00	(5522.58)	2230.00	(4916.31	2003.00	(4415.86)
Deflection	mm (in)	10.00	(0.39)	19.00	(0.75)	29.00	(1.14)	39.00	(1.54)	52.00	(2.05)	65.00	(2.56)	81.00	(3.19	98.00	(3.86)
Fifth Point Load (FPL)	kg (lbs)	2193.00	(4834.74)	2185.00	(4817.10)	2176.00	(4797.26)	2168.00	(4779.62)	2160.00	(4761.98)	2088.00	(4603.25)	1859.00	(4098.39	1669.00	(3679.52)
Deflection	mm (in)	9.00	(0.35)	18.00	(0.71)	31.00	(1.22)	42.00	(1.65)	55.00	(2.17)	69.00	(2.72)	85.00	(3.35)	103.00	(4.06)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1099.00	(738.57)	876.00	(588.70)	711.00	(477.82)	610.00	(409.94)	532.00	(357.52)	470.00	(315.86)	425.00	(285.61)	364.00	(244.62)
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	(202.95)	253.00	(170.00)	215.00	(144.48)	184.00	(123.65)	159.00	(106.85)	138.00	(92.74)	120.00	(80.64)	105.00	(70.56)
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	(61.82)	81.00	(54.43)	72.00	(48.38)	63.00	(42.33)	56.00	(37.63)	50.00	(33.60)
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

Ultra strength for ultra high loads

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

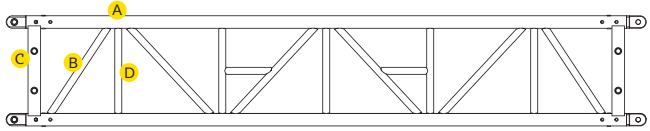
S-M530 Quatro Tower truss section

		Main Chords A:	Diagonals B:	End braces C:	Intermediate cross braces D:	Pin type:
S-QTPT	mm / in	**60.3 x 4** (2.4 x 0.16)	**33.7 x 2.6 (13 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**

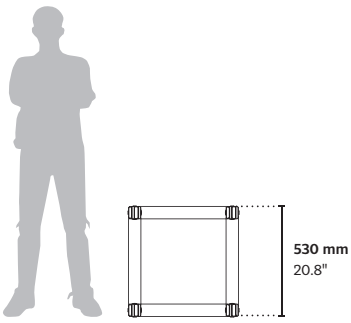
STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

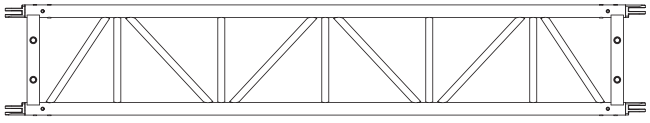
Connection material and packaging are not included in above weights



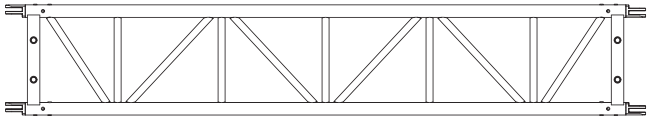
Side view



End view



Top view



Bottom view

S-QTPT

LOADING CHART

Span	m (ft)	5.00	(16.40)	6.00	(19.70)	7.00	(23.00)	8.00	(26.20)	9.00	(29.50)	10.00	(32.80)	11.00	(36.10)
Centre Point Load (CPL)	kg (lbs)	11655	(25695)	11606	(25587)	10210	(22509)	8887	(19592)	7853	(17313)	7021	(15479)	6335	(13966)
Deflection	mm (in)	9	(0.35)	16	(0.63)	23	(0.91)	30	(1.18)	38	(1.50)	47	(1.85)	57	(2.24)
Third Point Load (TPL)	kg (lbs)	5825	(12842)	5803	(12793)	5778	(12738)	5753	(12683)	5729	(12630)	5265	(11607)	4751	(10474)
Deflection	mm (in)	8	(0.31)	14	(0.55)	22	(0.87)	33	(1.30)	46	(1.81)	59	(2.32)	71	(2.80)
Quarter Point Load (QPL)	kg (lbs)	3885	(8565)	3869	(8530)	3852	(8492)	3836	(8457)	3819	(8419)	3510	(7738)	3168	(6984)
Deflection	mm (in)	7	(0.28)	13	(0.51)	20	(0.79)	30	(1.18)	43	(1.69)	55	(2.17)	67	(2.64)
Fifth Point Load (FPL)	kg (lbs)	2914	(6424)	2901	(6396)	2889	(6369)	2877	(6343)	2864	(6314)	2852	(6288)	2640	(5820)
Deflection	mm (in)	7	(0.28)	12	(0.47)	19	(0.75)	29	(1.14)	41	(1.61)	57	(2.24)	70	(2.76)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2331	(1566)	1934	(1300)	1651	(1109)	1438	(966)	1273	(855)	1141	(767)	1033	(694)
Deflection	mm (in)	6	(0.24)	10	(0.39)	16	(0.63)	24	(0.94)	34	(1.34)	47	(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	(12699)	5269	(11616)	4845	(10681)	4474	(9863)	4147	(9143)	3855	(8499)	3592	(7919)
Deflection	mm (in)	68	(2.68)	79	(3.11)	93	(3.66)	107	(4.21)	122	(4.80)	138	(5.43)	155	(6.10)
Third Point Load (TPL)	kg (lbs)	4320	(9524)	3952	(8713)	3634	(8012)	3356	(7399)	3110	(6856)	2891	(6374)	2694	(5939)
Deflection	mm (in)	85	(3.35)	100	(3.94)	116	(4.57)	133	(5.24)	152	(5.98)	171	(6.73)	192	(7.56)
Quarter Point Load (QPL)	kg (lbs)	2880	(6349)	2635	(5809)	2422	(5340)	2237	(4932)	2073	(4570)	1927	(4248)	1796	(3960)
Deflection	mm (in)	79	(3.11)	93	(3.66)	108	(4.25)	125	(4.92)	142	(5.59)	161	(6.34)	180	(7.09)
Fifth Point Load (FPL)	kg (lbs)	2400	(5291)	2195	(4839)	2019	(4451)	1864	(4109)	1728	(3810)	1606	(3541)	1497	(3300)
Deflection	mm (in)	84	(3.31)	99	(3.90)	114	(4.49)	131	(5.16)	150	(5.91)	169	(6.65)	190	(7.48)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	942	(633)	811	(545)	692	(465)	597	(401)	518	(348)	453	(304)	399	(268)
Deflection	mm (in)	82	(3.23)	98	(3.86)	114	(4.49)	130	(5.12)	149	(5.87)	168	(6.61)	189	(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	(7397)	3139	(6920)	2941	(6484)	2759	(6083)	2591	(5712)	2434	(5366)	2288	(5044)
Deflection	mm (in)	174	(6.85)	194	(7.64)	215	(8.46)	237	(9.33)	260	(10.24)	285	(11.22)	311	(12.24)
Third Point Load (TPL)	kg (lbs)	2516	(5547)	2354	(5190)	2206	(4863)	2069	(4561)	1943	(4284)	1826	(4026)	1716	(3783)
Deflection	mm (in)	214	(8.43)	238	(9.37)	263	(10.35)	289	(11.38)	316	(12.44)	344	(13.54)	374	(14.72)
Quarter Point Load (QPL)	kg (lbs)	1678	(3699)	1570	(3461)	1471	(3243)	1380	(3042)	1295	(2855)	1217	(2683)	1144	(2522)
Deflection	mm (in)	201	(7.91)	224	(8.82)	247	(9.72)	272	(10.71)	298	(11.73)	325	(12.80)	354	(13.94)
Fifth Point Load (FPL)	kg (lbs)	1398	(3082)	1308	(2884)	1226	(2703)	1150	(2535)	1079	(2379)	1014	(2235)	954	(2103)
Deflection	mm (in)	212	(8.35)	235	(9.25)	260	(10.24)	285	(11.22)	312	(12.28)	341	(13.43)	370	(14.57)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	353	(237)	314	(211)	280	(188)	251	(169)	225	(151)	203	(136)	183	(123)
Deflection	mm (in)	210	(8.27)	233	(9.17)	258	(10.16)	283	(11.14)	310	(12.20)	338	(13.31)	368	(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	(4744)	2024	(4462)	1903	(4195)	1788	(3942)	1577	(3477)	1386	(3056)	1210	(2668)
Deflection	mm (in)	339	(13.35)	368	(14.49)	398	(15.67)	430	(16.93)	498	(19.61)	573	(22.56)	655	(25.79)
Third Point Load (TPL)	kg (lbs)	1614	(3558)	1518	(3347)	1427	(3146)	1341	(2956)	1183	(2608)	1039	(2291)	908	(2002)
Deflection	mm (in)	405	(15.94)	438	(17.24)	472	(18.58)	507	(19.96)	581	(22.87)	661	(26.02)	746	(29.37)
Quarter Point Load (QPL)	kg (lbs)	1076	(2372)	1012	(2231)	951	(2097)	894	(1971)	789	(1739)	693	(1528)	605	(1334)
Deflection	mm (in)	384	(15.12)	415	(16.34)	448	(17.64)	482	(18.98)	554	(21.81)	632	(24.88)	716	(28.19)
Fifth Point Load (FPL)	kg (lbs)	897	(1978)	843	(1858)	793	(1748)	745	(1642)	657	(1448)	577	(1272)	504	(1111)
Deflection	mm (in)	401	(15.79)	433	(17.05)	467	(18.39)	502	(19.76)	576	(22.68)	655	(25.79)	740	(29.13)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	166	(112)	150	(101)	136	(91)	123	(83)	102	(69)	84	(56)	69	(46)
Deflection	mm (in)	399	(15.71)	431	(16.97)	464	(18.27)	499	(19.65)	573	(22.56)	652	(25.67)	737	(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 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

Ultra strength for ultra high loads

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

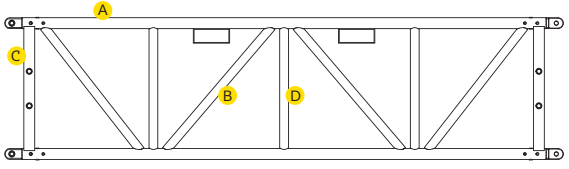
S-M780 Quatro Tower truss section

		Main Chords A:	Diagonals B:	End braces C:	Intermediate cross braces D:	Pin type:
S-QTQT	mm / in	**60.3 x 4** (2.4 x 0.16)	**48.3 x 3.2** (1.9 x 0.1)	**60 x 60 x 4** (2.4 x 2.4 x 0.16)	**48.3 x 3.2** (1.9 x 0.1)	PQ

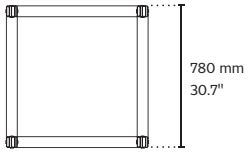
STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m / ft	**1.00** (3.28)	**2.00** (6.56)	**2.50** (8.20)	**3.00** (9.84)	**4.00** (13.12)	**5.00** (16.41)	**6.00** (19.68)
S-QTQT	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)

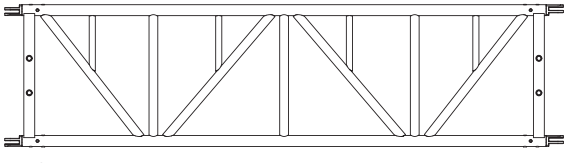
Connection material and packaging are not included in above weights



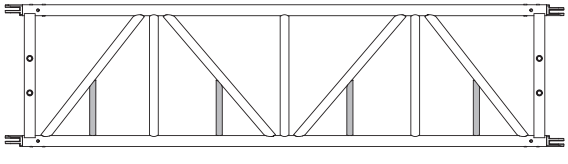
Side view



End view



Top view



Bottom view

S-QTQT

LOADING CHART

Span	m (ft)	7.00	(23.00)	8.00	(26.20)	9.00	(29.50)	10.00	(32.80)	11.00	(36.10)	12.00	(39.40)	13.00	(42.70)
Centre Point Load (CPL)	kg (lbs)	15719	(34654)	13695	(30192)	12114	(26707)	10843	(23905)	9797	(21599)	8920	(19665)	8173	(18018)
Deflection	mm (in)	15	(0.59)	19	(0.75)	25	(0.98)	30	(1.18)	37	(1.46)	44	(1.73)	52	(2.05)
Third Point Load (TPL)	kg (lbs)	9470	(20878)	9438	(20807)	9086	(20031)	8132	(17928)	7348	(16200)	6690	(14749)	6130	(13514)
Deflection	mm (in)	15	(0.59)	23	(0.91)	31	(1.22)	39	(1.54)	47	(1.85)	56	(2.20)	65	(2.56)
Quarter Point Load (QPL)	kg (lbs)	6313	(13918)	6292	(13871)	6057	(13353)	5421	(11951)	4899	(10800)	4460	(9833)	4087	(9010)
Deflection	mm (in)	14	(0.55)	21	(0.83)	29	(1.14)	36	(1.42)	43	(1.69)	52	(2.05)	61	(2.40)
Fifth Point Load (FPL)	kg (lbs)	4735	(10439)	4719	(10404)	4703	(10368)	4518	(9960)	4082	(8999)	3717	(8195)	3406	(7509)
Deflection	mm (in)	14	(0.55)	20	(0.79)	29	(1.14)	38	(1.50)	46	(1.81)	55	(2.17)	64	(2.52)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2706	(1818)	2360	(1586)	2090	(1404)	1875	(1260)	1699	(1142)	1487	(999)	1257	(845)
Deflection	mm (in)	11	(0.43)	17	(0.67)	24	(0.94)	33	(1.30)	44	(1.73)	54	(2.13)	64	(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	(16599)	6966	(15357)	6470	(14264)	6028	(13289)	5632	(12416)	5274	(11627)	4949	(10911)
Deflection	mm (in)	60	(2.36)	69	(2.72)	79	(3.11)	90	(3.54)	101	(3.98)	113	(4.45)	126	(4.96)
Third Point Load (TPL)	kg (lbs)	5647	(12450)	5225	(11519)	4852	(10697)	4521	(9967)	4224	(9312)	3956	(8721)	3712	(8184)
Deflection	mm (in)	76	(2.99)	87	(3.43)	99	(3.90)	112	(4.41)	126	(4.96)	140	(5.51)	155	(6.10)
Quarter Point Load (QPL)	kg (lbs)	3764	(8298)	3483	(7679)	3235	(7132)	3014	(6645)	2816	(6208)	2637	(5814)	2474	(5454)
Deflection	mm (in)	71	(2.80)	81	(3.19)	93	(3.66)	105	(4.13)	118	(4.65)	131	(5.16)	146	(5.75)
Fifth Point Load (FPL)	kg (lbs)	3137	(6916)	2903	(6400)	2696	(5944)	2512	(5538)	2347	(5174)	2198	(4846)	2062	(4546)
Deflection	mm (in)	75	(2.95)	86	(3.39)	98	(3.86)	110	(4.33)	124	(4.88)	138	(5.43)	153	(6.02)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1076	(723)	929	(624)	809	(544)	709	(476)	626	(421)	555	(373)	495	(333)
Deflection	mm (in)	74	(2.91)	85	(3.35)	97	(3.82)	110	(4.33)	123	(4.84)	137	(5.39)	152	(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	(10256)	4379	(9654)	4127	(9098)	3893	(8583)	3676	(8104)	3472	(7654)	3282	(7236)
Deflection	mm (in)	139	(5.47)	153	(6.02)	168	(6.61)	184	(7.24)	201	(7.91)	218	(8.58)	237	(9.33)
Third Point Load (TPL)	kg (lbs)	3489	(7692)	3284	(7240)	3095	(6823)	2920	(6437)	2757	(6078)	2604	(5741)	2462	(5428)
Deflection	mm (in)	171	(6.73)	188	(7.40)	206	(8.11)	225	(8.86)	244	(9.61)	264	(10.39)	285	(11.22)
Quarter Point Load (QPL)	kg (lbs)	2326	(5128)	2189	(4826)	2063	(4548)	1947	(4292)	1838	(4052)	1736	(3827)	1641	(3618)
Deflection	mm (in)	161	(6.34)	177	(6.97)	194	(7.64)	211	(8.31)	230	(9.06)	249	(9.80)	270	(10.63)
Fifth Point Load (FPL)	kg (lbs)	1938	(4273)	1824	(4021)	1719	(3790)	1622	(3576)	1532	(3377)	1447	(3190)	1368	(3016)
Deflection	mm (in)	169	(6.65)	186	(7.32)	204	(8.03)	222	(8.74)	241	(9.49)	261	(10.28)	282	(11.10)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	443	(298)	398	(267)	359	(241)	324	(218)	294	(198)	267	(179)	243	(163)
Deflection	mm (in)	168	(6.61)	185	(7.28)	202	(7.95)	221	(8.70)	240	(9.45)	260	(10.24)	280	(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	(6841)	2934	(6468)	2774	(6116)	2623	(5783)	2479	(5465)	2342	(5163)	2211	(4874)
Deflection	mm (in)	256	(10.08)	276	(10.87)	298	(11.73)	320	(12.60)	343	(13.50)	367	(14.45)	392	(15.43)
Third Point Load (TPL)	kg (lbs)	2327	(5130)	2201	(4852)	2081	(4588)	1967	(4336)	1859	(4098)	1756	(3871)	1658	(3655)
Deflection	mm (in)	307	(12.09)	330	(12.99)	354	(13.94)	378	(14.88)	404	(15.91)	430	(16.93)	457	(17.99)
Quarter Point Load (QPL)	kg (lbs)	1551	(3419)	1467	(3234)	1387	(3058)	1311	(2890)	1239	(2732)	1171	(2582)	1105	(2436)
Deflection	mm (in)	291	(11.46)	313	(12.32)	335	(13.19)	359	(14.13)	384	(15.12)	409	(16.10)	436	(17.17)
Fifth Point Load (FPL)	kg (lbs)	1293	(2851)	1223	(2696)	1156	(2549)	1093	(2410)	1033	(2277)	976	(2152)	921	(2030)
Deflection	mm (in)	304	(11.97)	327	(12.87)	350	(13.78)	374	(14.72)	400	(15.75)	426	(16.77)	453	(17.83)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	222	(149)	202	(136)	185	(124)	169	(114)	155	(104)	142	(95)	130	(87)
Deflection	mm (in)	302	(11.89)	325	(12.80)	348	(13.70)	372	(14.65)	398	(15.67)	424	(16.69)	451	(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	(4597)	1965	(4332)	1850	(4079)	1739	(3834)	1632	(3598)	1529	(3371)
Deflection	mm (in)	418	(16.46)	445	(17.52)	474	(18.66)	503	(19.80)	534	(21.02)	566	(22.28)
Third Point Load (TPL)	kg (lbs)	1564	(3448)	1474	(3250)	1388	(3060)	1304	(2875)	1224	(2698)	1147	(2529)
Deflection	mm (in)	485	(19.09)	514	(20.24)	544	(21.42)	575	(22.64)	607	(23.90)	639	(25.16)
Quarter Point Load (QPL)	kg (lbs)	1043	(2299)	983	(2167)	925	(2039)	870	(1918)	816	(1799)	765	(1687)
Deflection	mm (in)	463	(18.23)	492	(19.37)	521	(20.51)	552	(21.73)	583	(22.95)	615	(24.21)
Fifth Point Load (FPL)	kg (lbs)	869	(1916)	819	(1806)	771	(1700)	725	(1598)	680	(1499)	637	(1404)
Deflection	mm (in)	481	(18.94)	510	(20.08)	540	(21.26)	570	(22.44)	602	(23.70)	635	(25.00)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	119	(80)	109	(73)	100	(67)	92	(62)	84	(56)	76	(51)
Deflection	mm (in)	478	(18.82)	507	(19.96)	537	(21.14)	568	(22.36)	599	(23.58)	632	(24.88)

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

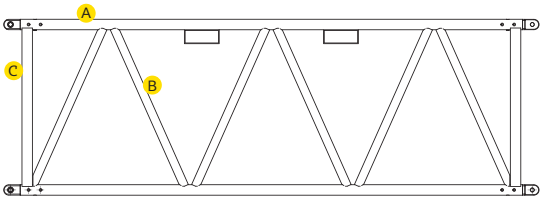
S-M1010 Rectangular truss section

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

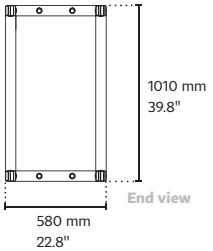
STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

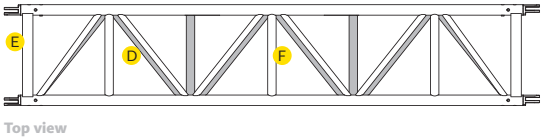
Connection material and packaging are not included in above weights



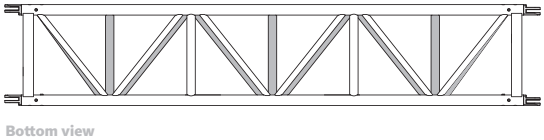
Side view



End view



Top view



Bottom view

S-RTD

LOADING CHART

Span	m (ft)	10.00	(32.80)	11.00	(36.10)	12.00	(39.40)	13.00	(42.70)	14.00	(45.90)	15.00	(49.20)	16.00	(52.50)
Centre Point Load (CPL)	kg (lbs)	14407	(31762)	13037	(28742)	11890	(26213)	10915	(24063)	10075	(22212)	9342	(20596)	8697	(19174)
Deflection	mm (in)	23	(0.91)	28	(1.10)	33	(1.30)	39	(1.54)	45	(1.77)	52	(2.05)	60	(2.36)
Third Point Load (TPL)	kg (lbs)	10805	(23821)	9778	(21557)	8918	(19661)	8186	(18047)	7556	(16658)	7007	(15448)	6523	(14381)
Deflection	mm (in)	29	(1.14)	35	(1.38)	42	(1.65)	49	(1.93)	57	(2.24)	66	(2.60)	75	(2.95)
Quarter Point Load (QPL)	kg (lbs)	7204	(15882)	6519	(14372)	5945	(13106)	5458	(12033)	5037	(11105)	4671	(10298)	4349	(9588)
Deflection	mm (in)	27	(1.06)	33	(1.30)	39	(1.54)	46	(1.81)	54	(2.13)	62	(2.44)	70	(2.76)
Fifth Point Load (FPL)	kg (lbs)	5649	(12454)	5432	(11976)	4954	(10922)	4548	(10027)	4198	(9255)	3893	(8583)	3624	(7990)
Deflection	mm (in)	27	(1.06)	35	(1.38)	42	(1.65)	49	(1.93)	57	(2.24)	65	(2.56)	74	(2.91)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2260	(1519)	2048	(1376)	1872	(1258)	1679	(1128)	1439	(967)	1246	(837)	1087	(730)
Deflection	mm (in)	23	(0.91)	30	(1.18)	39	(1.54)	48	(1.89)	56	(2.20)	65	(2.56)	74	(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	(17913)	7612	(16782)	7150	(15763)	6731	(14839)	6349	(13997)	5999	(13226)	5676	(12513)
Deflection	mm (in)	68	(2.68)	76	(2.99)	85	(3.35)	94	(3.70)	104	(4.09)	115	(4.53)	126	(4.96)
Third Point Load (TPL)	kg (lbs)	6093	(13433)	5709	(12586)	5362	(11821)	5048	(11129)	4762	(10498)	4499	(9919)	4257	(9385)
Deflection	mm (in)	85	(3.35)	95	(3.74)	106	(4.17)	118	(4.65)	130	(5.12)	142	(5.59)	156	(6.14)
Quarter Point Load (QPL)	kg (lbs)	4062	(8955)	3806	(8391)	3575	(7882)	3366	(7421)	3175	(7000)	2999	(6612)	2838	(6257)
Deflection	mm (in)	79	(3.11)	89	(3.50)	99	(3.90)	110	(4.33)	121	(4.76)	134	(5.28)	146	(5.75)
Fifth Point Load (FPL)	kg (lbs)	3385	(7463)	3172	(6993)	2979	(6568)	2805	(6184)	2645	(5831)	2500	(5512)	2365	(5214)
Deflection	mm (in)	84	(3.31)	94	(3.70)	105	(4.13)	116	(4.57)	128	(5.04)	141	(5.55)	154	(6.06)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	956	(642)	846	(568)	753	(506)	673	(452)	605	(407)	545	(366)	494	(332)
Deflection	mm (in)	83	(3.27)	93	(3.66)	104	(4.09)	115	(4.53)	127	(5.00)	140	(5.51)	153	(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	(11856)	5101	(11246)	4843	(10677)	4602	(10146)	4376	(9647)	4163	(9178)	3962	(8735)
Deflection	mm (in)	138	(5.43)	150	(5.91)	163	(6.42)	177	(6.97)	191	(7.52)	205	(8.07)	221	(8.70)
Third Point Load (TPL)	kg (lbs)	4034	(8893)	3826	(8435)	3633	(8009)	3452	(7610)	3282	(7236)	3122	(6883)	2972	(6552)
Deflection	mm (in)	170	(6.69)	184	(7.24)	200	(7.87)	216	(8.50)	232	(9.13)	249	(9.80)	267	(10.51)
Quarter Point Load (QPL)	kg (lbs)	2689	(5928)	2551	(5624)	2422	(5340)	2301	(5073)	2188	(4824)	2082	(4590)	1981	(4367)
Deflection	mm (in)	159	(6.26)	173	(6.81)	188	(7.40)	203	(7.99)	219	(8.62)	235	(9.25)	252	(9.92)
Fifth Point Load (FPL)	kg (lbs)	2241	(4941)	2126	(4687)	2018	(4449)	1918	(4228)	1823	(4019)	1735	(3825)	1651	(3640)
Deflection	mm (in)	168	(6.61)	182	(7.17)	197	(7.76)	213	(8.39)	229	(9.02)	246	(9.69)	264	(10.39)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	448	(301)	408	(274)	373	(251)	341	(229)	313	(210)	287	(193)	264	(177)
Deflection	mm (in)	167	(6.57)	181	(7.13)	196	(7.72)	212	(8.35)	228	(8.98)	245	(9.65)	262	(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	(8318)	3593	(7921)	3422	(7544)	3259	(7185)	3104	(6843)	2955	(6515)	2813	(6202)
Deflection	mm (in)	237	(9.33)	254	(10.00)	271	(10.67)	289	(11.38)	308	(12.13)	328	(12.91)	348	(13.70)
Third Point Load (TPL)	kg (lbs)	2829	(6237)	2695	(5941)	2566	(5657)	2444	(5388)	2328	(5132)	2217	(4888)	2110	(4652)
Deflection	mm (in)	285	(11.22)	304	(11.97)	324	(12.76)	345	(13.58)	366	(14.41)	387	(15.24)	410	(16.14)
Quarter Point Load (QPL)	kg (lbs)	1886	(4158)	1796	(3960)	1711	(3772)	1630	(3594)	1552	(3422)	1478	(3258)	1407	(3102)
Deflection	mm (in)	270	(10.63)	288	(11.34)	307	(12.09)	327	(12.87)	347	(13.66)	368	(14.49)	390	(15.35)
Fifth Point Load (FPL)	kg (lbs)	1572	(3466)	1497	(3300)	1426	(3144)	1358	(2994)	1293	(2851)	1231	(2714)	1172	(2584)
Deflection	mm (in)	282	(11.10)	301	(11.85)	321	(12.64)	341	(13.43)	362	(14.25)	383	(15.08)	406	(15.98)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	243	(163)	225	(151)	207	(139)	192	(129)	177	(119)	164	(110)	152	(102)
Deflection	mm (in)	281	(11.06)	299	(11.77)	319	(12.56)	339	(13.35)	360	(14.17)	381	(15.00)	403	(15.87)

Span	m (ft)	38.00	(125)	39.00	(128)	40.00	(131)	41.00	(135)	42.00	(138)	43.00	(141)	45.00	(148)
Centre Point Load (CPL)	kg (lbs)	2677	(5901.78)	2546	(5612.97)	2421	(5337.39)	2299	(5068.43)	2182	(4810.49)	2069	(4561.36)	1854	(4087.37)
Deflection	mm (in)	369	(15)	391	(15)	414	(16)	438	(17)	462	(18)	487	(19)	540	(21)
Third Point Load (TPL)	kg (lbs)	2008	(4426.88)	1910	(4210.83)	1815	(4001.39)	1724	(3800.77)	1637	(3608.97)	1552	(3421.57)	1391	(3066.63)
Deflection	mm (in)	433	(17)	456	(18)	481	(19)	506	(20)	532	(21)	558	(22)	613	(24)
Quarter Point Load (QPL)	kg (lbs)	1339	(2951.99)	1273	(2806.49)	1210	(2667.59)	1150	(2535.32)	1091	(2405.24)	1035	(2281.78)	927	(2043.69)
Deflection	mm (in)	412	(16)	435	(17)	459	(18)	484	(19)	509	(20)	535	(21)	589	(23)
Fifth Point Load (FPL)	kg (lbs)	1116	(2460.36)	1061	(2339.11)	1009	(2224.46)	958	(2112.03)	909	(2004.00)	862	(1900.39)	773	(1704.17)
Deflection	mm (in)	429	(17)	452	(18)	476	(19)	501	(20)	527	(21)	553	(22)	608	(24)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	141	(94.75)	131	(88.03)	121	(81.31)	112	(75.26)	104	(69.88)	96	(64.51)	82	(55.10)
Deflection	mm (in)	426	(16.77)	450	(17.7165)	474	(18.66138)	499	(19.64)	525	(20.66)	551	(21.69)	606	(23.85)

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 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

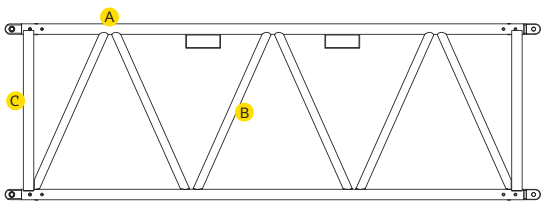
S-M1010 Triangular truss section

		Vertical			Horizontal			
		Main Chords A:	Diagonals B:	End braces C:	Diagonals D:	End braces E:	Intermediate cross braces F:	Pin type:
S-FTD	mm / in	**60.3 x 4** (2.4 x 0.16)	**48.3 x 3.2** (1.9 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)	**60 x 60 x 4** (2.4 x 2.4 x 0.16)	**48.3x3.2** (1.9x0.1)	PQ-FTD & PQ

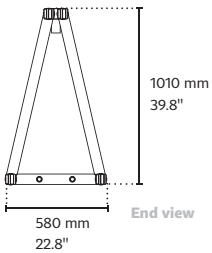
STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

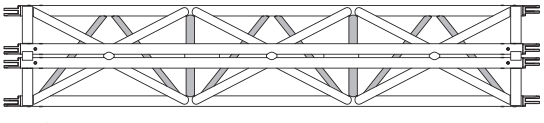
Connection material and packaging are not included in above weights



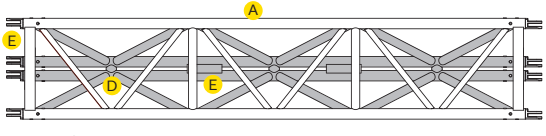
Side view



End view



Top view



Bottom view

S-FTD

LOADING CHART

Span	m (ft)	10.00	(32.80)	11.00	(36.10)	12.00	(39.40)	13.00	(42.70)	14.00	(45.90)	15.00	(49.20)	16.00	(52.50)
Centre Point Load (CPL)	kg (lbs)	14407	(31762)	13037	(28742)	11890	(26213)	10915	(24063)	10075	(22212)	9342	(20596)	8697	(19174)
Deflection	mm (in)	23	(0.91)	28	(1.10)	33	(1.30)	39	(1.54)	45	(1.77)	52	(2.05)	60	(2.36)
Third Point Load (TPL)	kg (lbs)	10805	(23821)	9778	(21557)	8918	(19661)	8186	(18047)	7556	(16658)	7007	(15448)	6523	(14381)
Deflection	mm (in)	29	(1.14)	35	(1.38)	42	(1.65)	49	(1.93)	57	(2.24)	66	(2.60)	75	(2.95)
Quarter Point Load (QPL)	kg (lbs)	7204	(15882)	6519	(14372)	5945	(13106)	5458	(12033)	5037	(11105)	4671	(10298)	4349	(9588)
Deflection	mm (in)	27	(1.06)	33	(1.30)	39	(1.54)	46	(1.81)	54	(2.13)	62	(2.44)	70	(2.76)
Fifth Point Load (FPL)	kg (lbs)	5451	(12017)	5432	(11976)	4954	(10922)	4548	(10027)	4198	(9255)	3893	(8583)	3624	(7990)
Deflection	mm (in)	26	(1.02)	35	(1.38)	42	(1.65)	49	(1.93)	57	(2.24)	65	(2.56)	74	(2.91)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2180	(1465)	1976	(1328)	1806	(1214)	1663	(1117)	1439	(967)	1246	(837)	1087	(730)
Deflection	mm (in)	22	(0.87)	29	(1.14)	38	(1.50)	48	(1.89)	56	(2.20)	65	(2.56)	74	(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	(17913)	7612	(16782)	7150	(15763)	6731	(14839)	6349	(13997)	5999	(13226)	5676	(12513)
Deflection	mm (in)	68	(2.68)	76	(2.99)	85	(3.35)	94	(3.70)	104	(4.09)	115	(4.53)	126	(4.96)
Third Point Load (TPL)	kg (lbs)	6093	(13433)	5709	(12586)	5362	(11821)	5048	(11129)	4762	(10498)	4499	(9919)	4257	(9385)
Deflection	mm (in)	85	(3.35)	95	(3.74)	106	(4.17)	118	(4.65)	130	(5.12)	142	(5.59)	156	(6.14)
Quarter Point Load (QPL)	kg (lbs)	4062	(8955)	3806	(8391)	3575	(7882)	3366	(7421)	3175	(7000)	2999	(6612)	2838	(6257)
Deflection	mm (in)	79	(3.11)	89	(3.50)	99	(3.90)	110	(4.33)	121	(4.76)	134	(5.28)	146	(5.75)
Fifth Point Load (FPL)	kg (lbs)	3385	(7463)	3172	(6993)	2979	(6568)	2805	(6184)	2645	(5831)	2500	(5512)	2365	(5214)
Deflection	mm (in)	84	(3.31)	94	(3.70)	105	(4.13)	116	(4.57)	128	(5.04)	141	(5.55)	154	(6.06)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	956	(642)	846	(568)	753	(506)	673	(452)	605	(407)	545	(366)	494	(332)
Deflection	mm (in)	83	(3.27)	93	(3.66)	104	(4.09)	115	(4.53)	127	(5.00)	140	(5.51)	153	(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	(11856)	5101	(11246)	4843	(10677)	4602	(10146)	4376	(9647)	4163	(9178)	3962	(8735)
Deflection	mm (in)	138	(5.43)	150	(5.91)	163	(6.42)	177	(6.97)	191	(7.52)	205	(8.07)	221	(8.70)
Third Point Load (TPL)	kg (lbs)	4034	(8893)	3826	(8435)	3633	(8009)	3452	(7610)	3282	(7236)	3122	(6883)	2972	(6552)
Deflection	mm (in)	170	(6.69)	184	(7.24)	200	(7.87)	216	(8.50)	232	(9.13)	249	(9.80)	267	(10.51)
Quarter Point Load (QPL)	kg (lbs)	2689	(5928)	2551	(5624)	2422	(5340)	2301	(5073)	2188	(4824)	2082	(4590)	1981	(4367)
Deflection	mm (in)	159	(6.26)	173	(6.81)	188	(7.40)	203	(7.99)	219	(8.62)	235	(9.25)	252	(9.92)
Fifth Point Load (FPL)	kg (lbs)	2241	(4941)	2126	(4687)	2018	(4449)	1918	(4228)	1823	(4019)	1735	(3825)	1651	(3640)
Deflection	mm (in)	168	(6.61)	182	(7.17)	197	(7.76)	213	(8.39)	229	(9.02)	246	(9.69)	264	(10.39)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	448	(301)	408	(274)	373	(251)	341	(229)	313	(210)	287	(193)	264	(177)
Deflection	mm (in)	167	(6.57)	181	(7.13)	196	(7.72)	212	(8.35)	228	(8.98)	245	(9.65)	262	(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	(8318)	3593	(7921)	3422	(7544)	3259	(7185)	3104	(6843)	2955	(6515)	2813	(6202)
Deflection	mm (in)	237	(9.33)	254	(10.00)	271	(10.67)	289	(11.38)	308	(12.13)	328	(12.91)	348	(13.70)
Third Point Load (TPL)	kg (lbs)	2829	(6237)	2695	(5941)	2566	(5657)	2444	(5388)	2328	(5132)	2217	(4888)	2110	(4652)
Deflection	mm (in)	285	(11.22)	304	(11.97)	324	(12.76)	345	(13.58)	366	(14.41)	387	(15.24)	410	(16.14)
Quarter Point Load (QPL)	kg (lbs)	1886	(4158)	1796	(3960)	1711	(3772)	1630	(3594)	1552	(3422)	1478	(3258)	1407	(3102)
Deflection	mm (in)	270	(10.63)	288	(11.34)	307	(12.09)	327	(12.87)	347	(13.66)	368	(14.49)	390	(15.35)
Fifth Point Load (FPL)	kg (lbs)	1572	(3466)	1497	(3300)	1426	(3144)	1358	(2994)	1293	(2851)	1231	(2714)	1172	(2584)
Deflection	mm (in)	282	(11.10)	301	(11.85)	321	(12.64)	341	(13.43)	362	(14.25)	383	(15.08)	406	(15.98)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	243	(163)	225	(151)	207	(139)	192	(129)	177	(119)	164	(110)	152	(102)
Deflection	mm (in)	281	(11.06)	299	(11.77)	319	(12.56)	339	(13.35)	360	(14.17)	381	(15.00)	403	(15.87)

Span	m (ft)	38.00	(125)	39.00	(128)	40.00	(131)	41.00	(135)	42.00	(138)	43.00	(141)	45.00	(148)
Centre Point Load (CPL)	kg (lbs)	2677	(5901.78)	2546	(5612.97)	2421	(5337.39)	2299	(5068.43)	2182	(4810.49)	2069	(4561.36)	1854	(4087.37)
Deflection	mm (in)	369	(15)	391	(15)	414	(16)	438	(17)	462	(18)	487	(19)	540	(21)
Third Point Load (TPL)	kg (lbs)	2008	(4426.88)	1910	(4210.83)	1815	(4001.39)	1724	(3800.77)	1637	(3608.97)	1552	(3421.57)	1391	(3066.63)
Deflection	mm (in)	433	(17)	456	(18)	481	(19)	506	(20)	532	(21)	558	(22)	613	(24)
Quarter Point Load (QPL)	kg (lbs)	1339	(2951.99)	1273	(2806.49)	1210	(2667.59)	1150	(2535.32)	1091	(2405.24)	1035	(2281.78)	927	(2043.69)
Deflection	mm (in)	412	(16)	435	(17)	459	(18)	484	(19)	509	(20)	535	(21)	589	(23)
Fifth Point Load (FPL)	kg (lbs)	1116	(2460.36)	1061	(2339.11)	1009	(2224.46)	958	(2112.03)	909	(2004.00)	862	(1900.39)	773	(1704.17)
Deflection	mm (in)	429	(17)	452	(18)	476	(19)	501	(20)	527	(21)	553	(22)	608	(24)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	141	(94.75)	131	(88.03)	121	(81.31)	112	(75.26)	104	(69.88)	96	(64.51)	82	(55.10)
Deflection	mm (in)	426	(16.77)	450	(17.71)	474	(18.66)	499	(19.64)	525	(20.66)	551	(21.69)	606	(23.85)

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

Ultra strength for ultra high loads

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

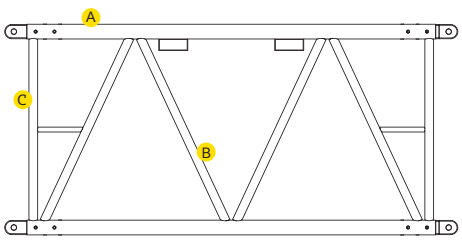
S-M1450 Rectangular truss section

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

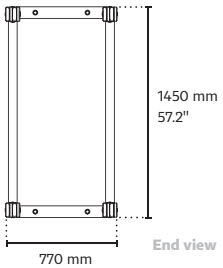
STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

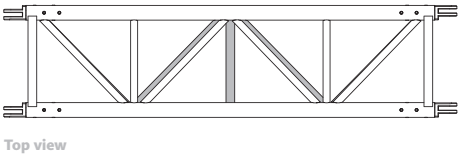
Connection material and packaging are not included in above weights



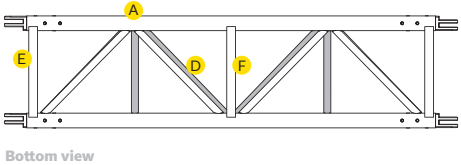
Side view



End view



Top view



Bottom view

S-RTW

LOADING CHART

Span	m (ft)	15.00	(49.20)	16.00	(52.50)	17.00	(55.80)	18.00	(59.10)	19.00	(62.30)	20.00	(65.60)	21.00	(68.90)
Centre Point Load (CPL)	kg (lbs)	30379	(66974)	28367	(62539)	26584	(58608)	24994	(55102)	23564	(51950)	22272	(49101)	21097	(46511)
Deflection	mm (in)	47	(1.85)	54	(2.13)	61	(2.40)	68	(2.68)	76	(2.99)	85	(3.35)	93	(3.66)
Third Point Load (TPL)	kg (lbs)	21123	(46568)	21064	(46438)	19938	(43956)	18745	(41326)	17673	(38962)	16704	(36826)	15823	(34884)
Deflection	mm (in)	56	(2.20)	67	(2.64)	77	(3.03)	86	(3.39)	96	(3.78)	107	(4.21)	118	(4.65)
Quarter Point Load (QPL)	kg (lbs)	14082	(31046)	14043	(30960)	13292	(29304)	12497	(27551)	11782	(25975)	11136	(24551)	10549	(23257)
Deflection	mm (in)	52	(2.05)	63	(2.48)	72	(2.83)	80	(3.15)	90	(3.54)	99	(3.90)	110	(4.33)
Fifth Point Load (FPL)	kg (lbs)	10561	(23283)	10532	(23219)	10503	(23155)	10414	(22959)	9819	(21647)	9280	(20459)	8791	(19381)
Deflection	mm (in)	50	(1.97)	60	(2.36)	72	(2.83)	85	(3.35)	95	(3.74)	105	(4.13)	116	(4.57)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	2816	(1892)	2633	(1769)	2471	(1660)	2327	(1564)	2199	(1478)	2083	(1400)	1978	(1329)
Deflection	mm (in)	41	(1.61)	50	(1.97)	60	(2.36)	71	(2.80)	84	(3.31)	98	(3.86)	113	(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	(44145)	19039	(41974)	18131	(39972)	17291	(38120)	16511	(36401)	15785	(34800)	15106	(33303)
Deflection	mm (in)	103	(4.06)	113	(4.45)	123	(4.84)	134	(5.28)	145	(5.71)	157	(6.18)	169	(6.65)
Third Point Load (TPL)	kg (lbs)	15018	(33109)	14279	(31480)	13598	(29978)	12968	(28590)	12384	(27302)	11839	(26101)	11330	(24978)
Deflection	mm (in)	129	(5.08)	141	(5.55)	154	(6.06)	167	(6.57)	181	(7.13)	195	(7.68)	210	(8.27)
Quarter Point Load (QPL)	kg (lbs)	10012	(22073)	9519	(20986)	9066	(19987)	8646	(19061)	8256	(18201)	7893	(17401)	7553	(16652)
Deflection	mm (in)	121	(4.76)	132	(5.20)	144	(5.67)	156	(6.14)	169	(6.65)	182	(7.17)	196	(7.72)
Fifth Point Load (FPL)	kg (lbs)	8343	(18393)	7933	(17489)	7555	(16656)	7205	(15884)	6880	(15168)	6577	(14500)	6294	(13876)
Deflection	mm (in)	127	(5.00)	139	(5.47)	152	(5.98)	165	(6.50)	178	(7.01)	192	(7.56)	207	(8.15)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1820	(1223)	1656	(1113)	1511	(1015)	1383	(929)	1270	(853)	1169	(786)	1079	(725)
Deflection	mm (in)	126	(4.96)	138	(5.43)	151	(5.94)	164	(6.46)	177	(6.97)	191	(7.52)	206	(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	(31901)	13873	(30585)	13310	(29344)	12779	(28173)	12277	(27066)	11800	(26015)	11348	(25018)
Deflection	mm (in)	182	(7.17)	195	(7.68)	209	(8.23)	223	(8.78)	238	(9.37)	253	(9.96)	269	(10.59)
Third Point Load (TPL)	kg (lbs)	10853	(23927)	10405	(22939)	9983	(22009)	9585	(21131)	9208	(20300)	8850	(19511)	8511	(18764)
Deflection	mm (in)	225	(8.86)	241	(9.49)	258	(10.16)	275	(10.83)	292	(11.50)	310	(12.20)	329	(12.95)
Quarter Point Load (QPL)	kg (lbs)	7235	(15950)	6937	(15293)	6655	(14672)	6390	(14088)	6138	(13532)	5900	(13007)	5674	(12509)
Deflection	mm (in)	211	(8.31)	226	(8.90)	242	(9.53)	258	(10.16)	275	(10.83)	292	(11.50)	310	(12.20)
Fifth Point Load (FPL)	kg (lbs)	6029	(13292)	5780	(12743)	5546	(12227)	5325	(11740)	5115	(11277)	4917	(10840)	4728	(10423)
Deflection	mm (in)	222	(8.74)	238	(9.37)	254	(10.00)	271	(10.67)	289	(11.38)	307	(12.09)	325	(12.80)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	998	(671)	925	(622)	859	(577)	799	(537)	744	(500)	694	(466)	648	(435)
Deflection	mm (in)	221	(8.70)	236	(9.29)	253	(9.96)	269	(10.59)	287	(11.30)	305	(12.01)	323	(12.72)

Span	m (ft)	36.00	(95.10)	37.00	(121.40)	38.00	(124.70)	39.00	(128.00)	40.00	(131.20)	41.00	(134.50)	42.00	(137.80)
Centre Point Load (CPL)	kg (lbs)	10917	(31901)	10507	(23164)	10115	(22300)	9740	(21473)	9381	(20682)	9037	(19923)	8706	(19193)
Deflection	mm (in)	286	(7.17)	303	(11.93)	321	(12.64)	339	(13.35)	358	(14.09)	377	(14.84)	397	(15.63)
Third Point Load (TPL)	kg (lbs)	8188	(23927)	7880	(17372)	7586	(16724)	7305	(16105)	7036	(15512)	6778	(14943)	6529	(14394)
Deflection	mm (in)	349	(8.86)	368	(14.49)	389	(15.31)	410	(16.14)	432	(17.01)	454	(17.87)	477	(18.78)
Quarter Point Load (QPL)	kg (lbs)	5459	(15950)	5253	(11581)	5057	(11149)	4870	(10737)	4691	(10342)	4518	(9960)	4353	(9597)
Deflection	mm (in)	328	(8.31)	347	(13.66)	367	(14.45)	387	(15.24)	408	(16.06)	429	(16.89)	451	(17.76)
Fifth Point Load (FPL)	kg (lbs)	4549	(13292)	4378	(9652)	4215	(9292)	4058	(8946)	3909	(8618)	3765	(8300)	3627	(7996)
Deflection	mm (in)	345	(8.74)	364	(14.33)	385	(15.16)	405	(15.94)	427	(16.81)	449	(17.68)	472	(18.58)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	607	(671)	568	(382)	532	(357)	499	(335)	469	(315)	441	(296)	415	(279)
Deflection	mm (in)	342	(8.70)	362	(14.25)	382	(15.04)	403	(15.87)	424	(16.69)	446	(17.56)	469	(18.46)

Span	m (ft)	43.00	(141)	44.00	(144)	45.00	(148)	46.00	(151)	47.00	(154)	48.00	(157)	50.00	(164)
Centre Point Load (CPL)	kg (lbs)	8388	(18492.38)	8082	(17817.76)	7786	(17165.19)	7501	(16536.88)	7226	(15930.61)	6960	(15344.18)	6452	(14224.23)
Deflection	mm (in)	418	(16)	440	(17)	462	(18)	484	(19)	508	(20)	532	(21)	582	(23)
Third Point Load (TPL)	kg (lbs)	6291	(13869.28)	6061	(13362.22)	5840	(12875.00)	5626	(12403.21)	5419	(11946.85)	5220	(11508.13)	4839	(10668.17)
Deflection	mm (in)	500	(20)	524	(21)	549	(22)	574	(23)	600	(24)	626	(25)	681	(27)
Quarter Point Load (QPL)	kg (lbs)	4194	(9246.19)	4041	(8908.88)	3893	(8582.60)	3751	(8269.54)	3613	(7965.30)	3480	(7672.09)	3226	(7112.11)
Deflection	mm (in)	474	(19)	497	(20)	520	(20)	545	(21)	570	(22)	596	(23)	649	(26)
Fifth Point Load (FPL)	kg (lbs)	3495	(7705.16)	3367	(7422.97)	3244	(7151.80)	3126	(6891.65)	3011	(6638.12)	2900	(6393.41)	2688	(5926.03)
Deflection	mm (in)	495	(19)	519	(20)	543	(21)	568	(22)	594	(23)	620	(24)	675	(27)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	390	(262.07)	367	(246.61)	346	(232.50)	326	(219.06)	307	(206.29)	290	(194.87)	258	(173.37)
Deflection	mm (in)	492	(19.37)	516	(20.31)	540	(21.25)	565	(22.24)	591	(23.26)	617	(24.29)	671	(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 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

Ultra strength for ultra high loads

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

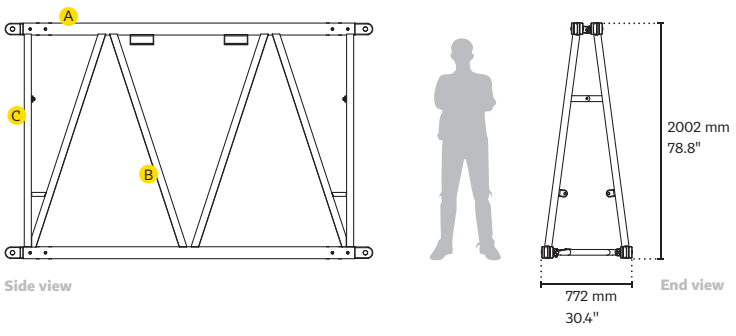
		Vertical		Horizontal	
	Main Chords A:	Diagonals B:	End braces C:	Diagonals D:	Pin type:
S-FTZ (mm / in)	**101.6 x 4** (4 x 0.16)	**60 x 60 x 4** (2.4 x 2.4 x 0.16)	**60 x 60 x 4** (2.4 x 2.4 x 0.16)	**48.3 x 3.2** (1.9 x 0.1)	PW-FTZ & PW

STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

Connection material and packaging are not included in above weights

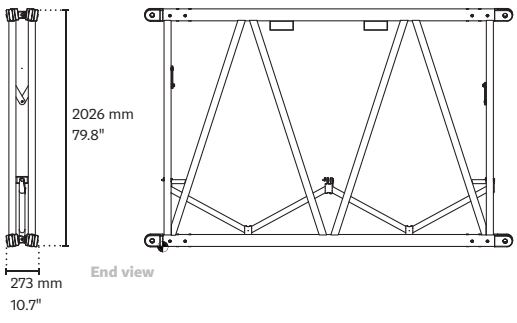
In-service



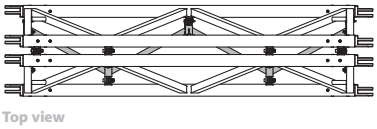
Side view

End view

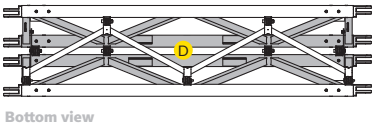
Transport mode



End view



Top view



Bottom view

S-FTZ

LOADING CHART

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	(54966)	23858	(52598)	22860	(50398)	21928	(48343)	21057	(46423)	20240	(44622)	19472	(42928)
Deflection	mm (in)	94	(3.70)	102	(4.02)	110	(4.33)	119	(4.69)	128	(5.04)	137	(5.39)	147	(5.79)
Third Point Load (TPL)	kg (lbs)	16699	(36815)	16640	(36685)	16582	(36557)	16446	(36257)	15793	(34818)	15180	(33466)	14604	(32196)
Deflection	mm (in)	107	(4.21)	120	(4.72)	134	(5.28)	149	(5.87)	160	(6.30)	171	(6.73)	183	(7.20)
Quarter Point Load (QPL)	kg (lbs)	11133	(24544)	11094	(24458)	11055	(24372)	10964	(24171)	10529	(23212)	10120	(22311)	9736	(21464)
Deflection	mm (in)	100	(3.94)	112	(4.41)	125	(4.92)	139	(5.47)	149	(5.87)	160	(6.30)	171	(6.73)
Fifth Point Load (FPL)	kg (lbs)	8349	(18406)	8320	(18342)	8291	(18279)	8262	(18215)	8232	(18148)	8203	(18085)	8113	(17886)
Deflection	mm (in)	95	(3.74)	107	(4.21)	120	(4.72)	134	(5.28)	149	(5.87)	165	(6.50)	180	(7.09)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1336	(898)	1280	(860)	1228	(825)	1180	(793)	1136	(763)	1094	(735)	1055	(709)
Deflection	mm (in)	80	(3.15)	90	(3.54)	101	(3.98)	113	(4.45)	125	(4.92)	139	(5.47)	153	(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	(41332)	18065	(39827)	17418	(38400)	16805	(37049)	16223	(35766)	15669	(34544)	15142	(33382)
Deflection	mm (in)	157	(6.18)	167	(6.57)	177	(6.97)	189	(7.44)	200	(7.87)	212	(8.35)	224	(8.82)
Third Point Load (TPL)	kg (lbs)	14061	(30999)	13549	(29870)	13064	(28801)	12604	(27787)	12167	(26824)	11752	(25909)	11356	(25036)
Deflection	mm (in)	195	(7.68)	207	(8.15)	220	(8.66)	233	(9.17)	247	(9.72)	261	(10.28)	275	(10.83)
Quarter Point Load (QPL)	kg (lbs)	9374	(20666)	9033	(19914)	8709	(19200)	8403	(18525)	8112	(17884)	7835	(17273)	7571	(16691)
Deflection	mm (in)	182	(7.17)	194	(7.64)	206	(8.11)	219	(8.62)	232	(9.13)	245	(9.65)	259	(10.20)
Fifth Point Load (FPL)	kg (lbs)	7812	(17223)	7527	(16594)	7258	(16001)	7002	(15437)	6760	(14903)	6529	(14394)	6309	(13909)
Deflection	mm (in)	192	(7.56)	205	(8.07)	217	(8.54)	230	(9.06)	244	(9.61)	258	(10.16)	272	(10.71)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1018	(684)	984	(661)	951	(639)	921	(619)	892	(599)	847	(569)	797	(536)
Deflection	mm (in)	168	(6.61)	185	(7.28)	202	(7.95)	221	(8.70)	240	(9.45)	256	(10.08)	270	(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	(32271)	14156	(31209)	13695	(30192)	13254	(29220)	12830	(28285)	12423	(27388)	12031	(26524)
Deflection	mm (in)	236	(9.29)	249	(9.80)	263	(10.35)	276	(10.87)	290	(11.42)	305	(12.01)	320	(12.60)
Third Point Load (TPL)	kg (lbs)	10978	(24202)	10617	(23406)	10272	(22646)	9940	(21914)	9622	(21213)	9317	(20540)	9023	(19892)
Deflection	mm (in)	290	(11.42)	306	(12.05)	321	(12.64)	337	(13.27)	354	(13.94)	371	(14.61)	388	(15.28)
Quarter Point Load (QPL)	kg (lbs)	7319	(16136)	7078	(15604)	6848	(15097)	6627	(14610)	6415	(14143)	6211	(13693)	6015	(13261)
Deflection	mm (in)	273	(10.75)	287	(11.30)	302	(11.89)	318	(12.52)	333	(13.11)	349	(13.74)	366	(14.41)
Fifth Point Load (FPL)	kg (lbs)	6099	(13446)	5898	(13003)	5706	(12580)	5522	(12174)	5346	(11786)	5176	(11411)	5013	(11052)
Deflection	mm (in)	287	(11.30)	302	(11.89)	318	(12.52)	333	(13.11)	350	(13.78)	367	(14.45)	384	(15.12)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	751	(505)	708	(476)	668	(449)	631	(424)	597	(401)	565	(380)	535	(360)
Deflection	mm (in)	285	(11.22)	300	(11.81)	315	(12.40)	331	(13.03)	347	(13.66)	364	(14.33)	381	(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	(25693)	11290	(24890)	10939	(24116)	10600	(23369)	10272	(22646)	9955	(21947)	9647	(21268)
Deflection	mm (in)	335	(13.19)	351	(13.82)	367	(14.45)	384	(15.12)	401	(15.79)	418	(16.46)	436	(17.17)
Third Point Load (TPL)	kg (lbs)	8740	(19268)	8467	(18667)	8204	(18087)	7950	(17527)	7704	(16984)	7466	(16460)	7236	(15953)
Deflection	mm (in)	406	(15.98)	424	(16.69)	442	(17.40)	461	(18.15)	481	(18.94)	501	(19.72)	521	(20.51)
Quarter Point Load (QPL)	kg (lbs)	5827	(12846)	5645	(12445)	5469	(12057)	5300	(11685)	5136	(11323)	4977	(10972)	4824	(10635)
Deflection	mm (in)	383	(15.08)	400	(15.75)	418	(16.46)	436	(17.17)	455	(17.91)	474	(18.66)	493	(19.41)
Fifth Point Load (FPL)	kg (lbs)	4856	(10706)	4704	(10371)	4558	(10049)	4417	(9738)	4280	(9436)	4148	(9145)	4020	(8863)
Deflection	mm (in)	401	(15.79)	419	(16.50)	438	(17.24)	456	(17.95)	476	(18.74)	495	(19.49)	515	(20.28)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	507	(341)	480	(323)	456	(306)	433	(291)	411	(276)	390	(262)	371	(249)
Deflection	mm (in)	399	(15.71)	417	(16.42)	435	(17.13)	454	(17.87)	473	(18.62)	492	(19.37)	512	(20.16)

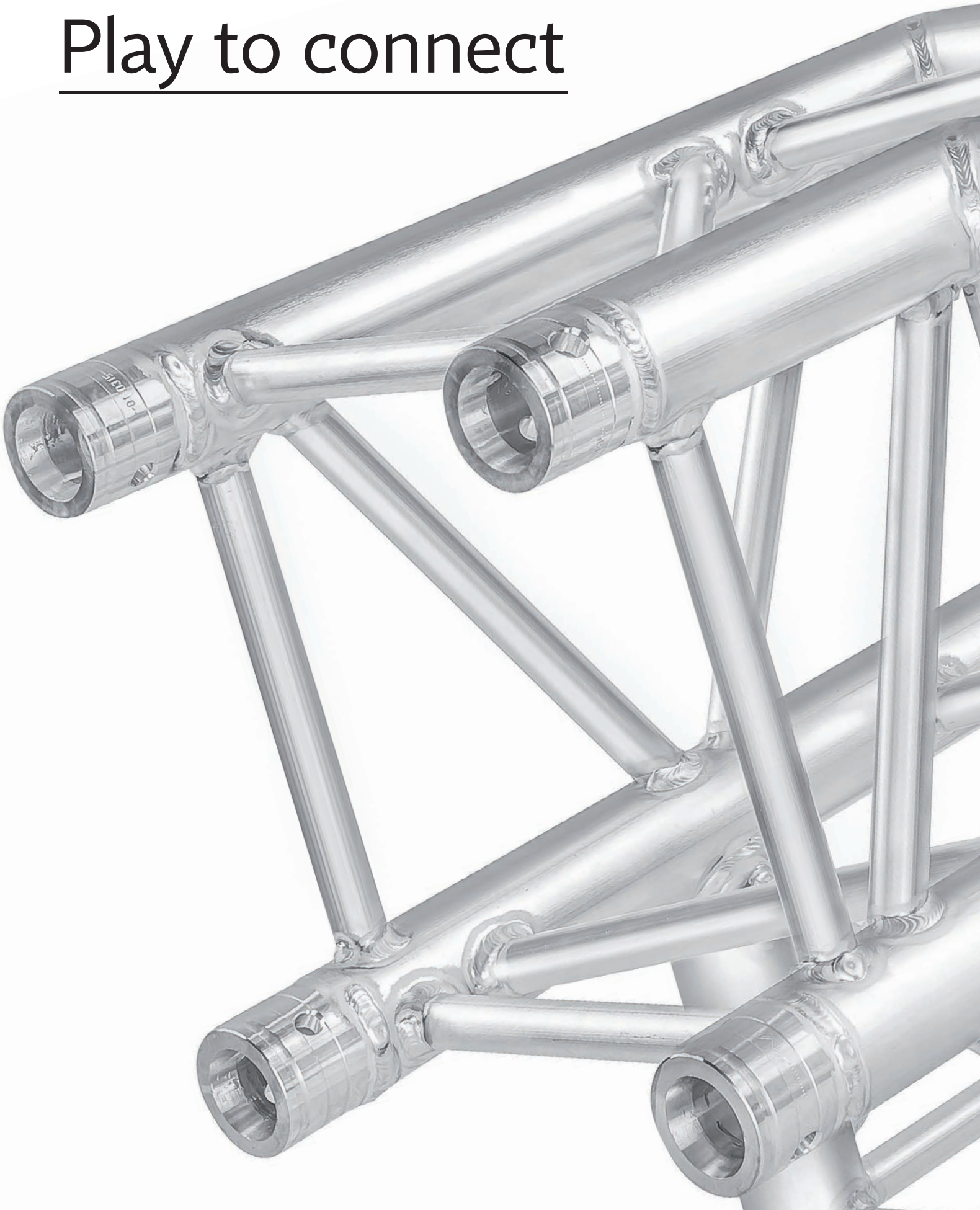
Span	m (ft)	53.00	(174)	54.00	(177)	55.00	(180)	56.00	(184)	57.00	(187)	58.00	(190)	60.00	(197)
Centre Point Load (CPL)	kg (lbs)	9350	(20613.23)	9061	(19976.09)	8780	(19356.59)	8507	(18754.73)	8242	(18170.50)	7984	(17601.71)	7488	(16508.22)
Deflection	mm (in)	455	(18)	474	(19)	493	(19)	513	(20)	533	(21)	554	(22)	598	(24)
Third Point Load (TPL)	kg (lbs)	7012	(15458.82)	6795	(14980.41)	6585	(14517.44)	6380	(14065.49)	6181	(13626.77)	5988	(13201.28)	5616	(12381.16)
Deflection	mm (in)	541	(21)	563	(22)	584	(23)	606	(24)	628	(25)	651	(26)	698	(27)
Quarter Point Load (QPL)	kg (lbs)	4675	(10306.61)	4530	(9986.94)	4390	(9678.29)	4254	(9378.47)	4121	(9085.25)	3992	(8800.86)	3744	(8254.11)
Deflection	mm (in)	513	(20)	534	(21)	555	(22)	576	(23)	598	(24)	620	(24)	665	(26)
Fifth Point Load (FPL)	kg (lbs)	3896	(8589.21)	3775	(8322.45)	3658	(8064.51)	3545	(7815.39)	3434	(7570.68)	3327	(7334.78)	3120	(6878.42)
Deflection	mm (in)	536	(21)	557	(22)	578	(23)	600	(24)	622	(24)	645	(25)	692	(27)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	353	(237.21)	336	(225.78)	319	(214.36)	304	(204.28)	289	(194.20)	275	(184.79)	250	(167.99)
Deflection	mm (in)	533	(20.98)	554	(21.81)	575	(22.63)	597	(23.50)	619	(24.37)	641	(25.23)	688	(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 1933-1-12 • To comply with BS 7905-2 / ANSI E1.2-2006 / EN 17115 all loading data should be multiplied by 0.85 • For any other application, or in case of an assembled structure, contact Milos or a structural engineer • Safety factors used – self-weight 1.35 / loading 1.5

Junctions

Play to connect



Use QR code
for full range

Junctions for M222 / M290 / M390

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

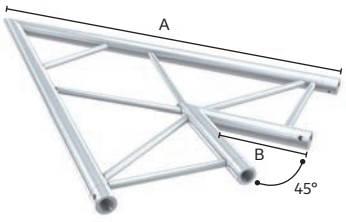
DUO Straights and junctions

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)

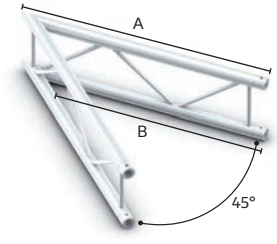
*excluding connection material



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

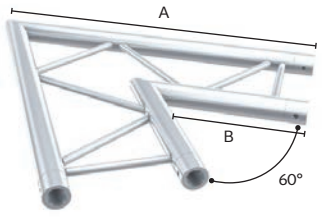
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

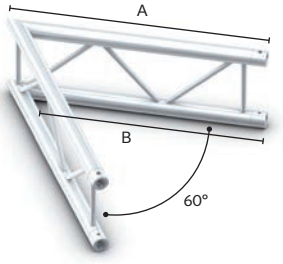
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

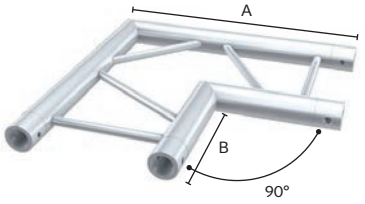


2 WAY VERTICAL CORNER 60°

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)

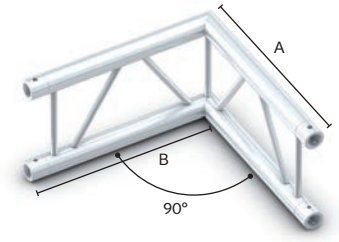
NOTE M290 / M390 dimensions are same for F & U versions



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

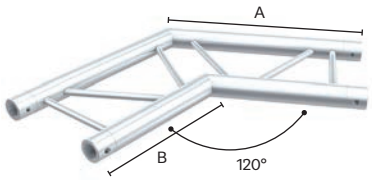
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

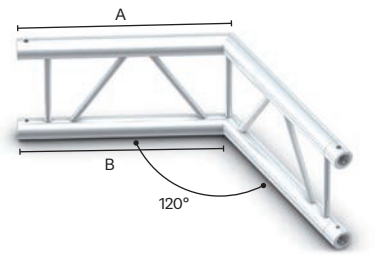
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

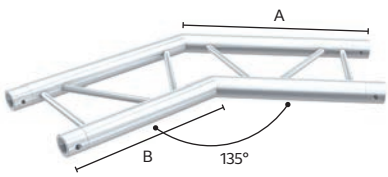
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY VERTICAL CORNER 120°

Series	Code	A	B	C	kg
M222	VM22|2way120dg	400	382	–	1.6
M290	VB/VV22|2way**120dg**	500	471	–	2.4
M390	VK/VL22|2way120dg	600	571	–	3.0

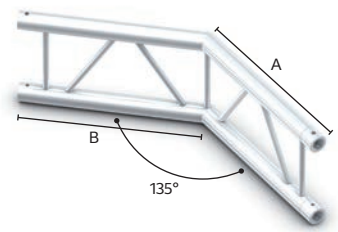
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

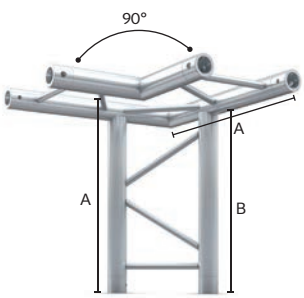
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

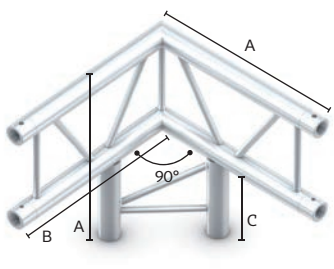
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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	–	4.2
M390	HK/HL31|3way90dg	600	550	–	4.8

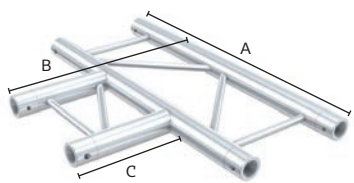
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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	4.2
M390	VK/VL31|3way90dg	600	550	210	4.8

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

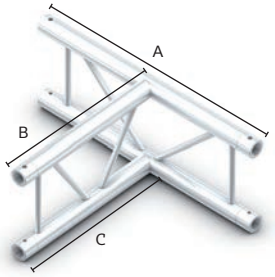


3 WAY HORIZONTAL T-PIECE

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

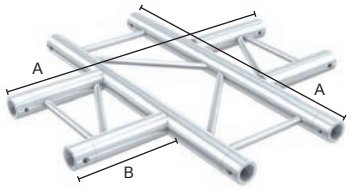
NOTE M290 / M390 dimensions are same for F & U versions



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

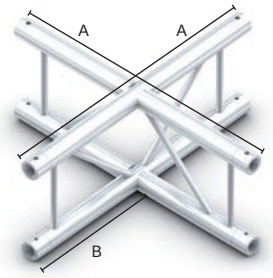
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

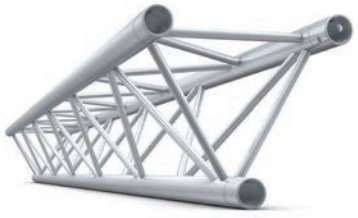


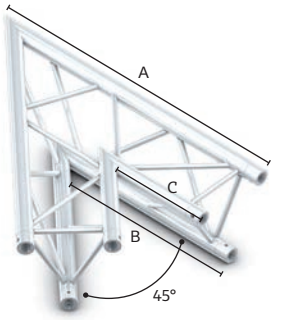
4 WAY VERTICAL CROSS PIECE

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

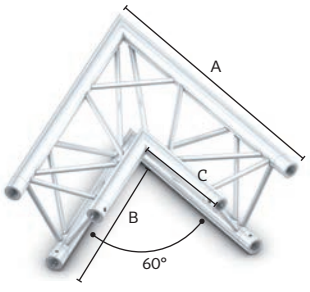
	STM	STB	STV	STK	STL
Weight of 1 m/kg* (3.28 ft/lbs)	**2.30** (5.01)	**4.50** (9.92)	**5.00** (11.0)	**4.95** (10.9)	**5.75** (12.7)

*excluding connection material

2 WAY CORNER 45°

Series	Code	A	B	C	kg
M222	ACM19|2way45dg	800	493	264	2.5
M290	ACB/ACV19|2way45dg	1000	590	300	6.0
M390	ACK/ACL19|2way45dg	1200	669	258	6.9

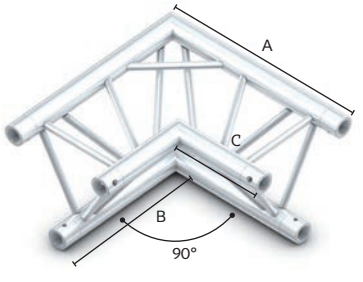
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 60°

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

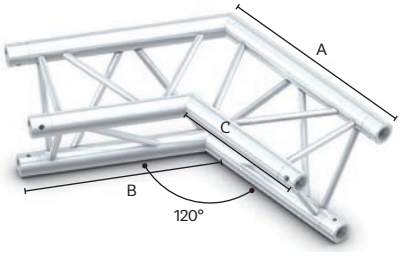
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

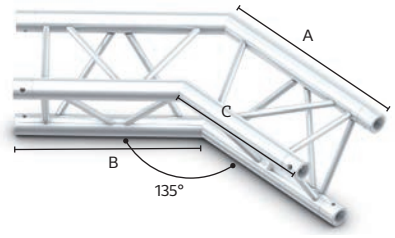


2 WAY CORNER 120°

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)

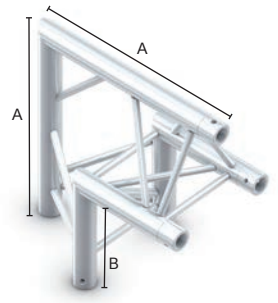
NOTE | **M290 / M390 dimensions are same for F & U versions**



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

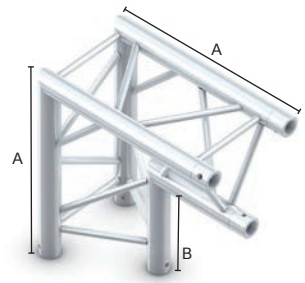
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

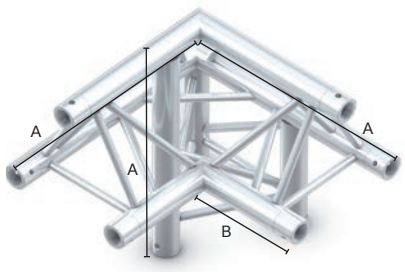
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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**

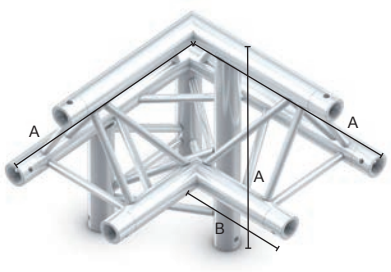
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

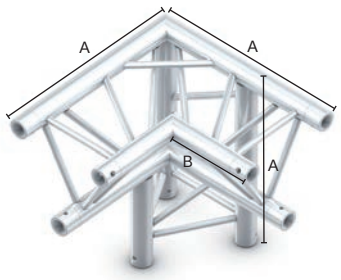
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

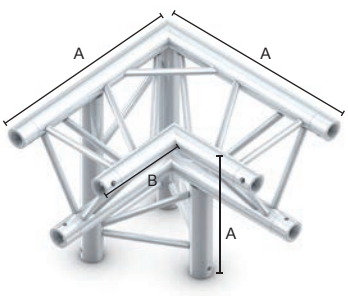
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

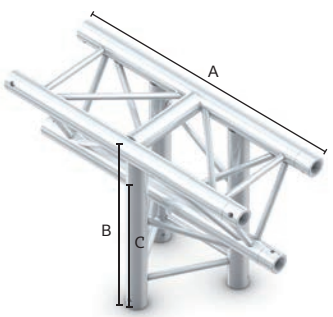
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

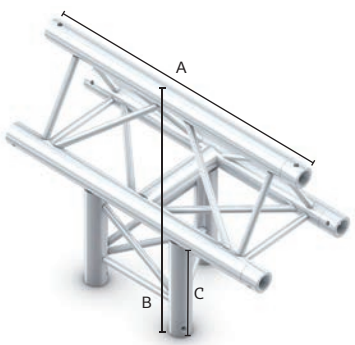
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

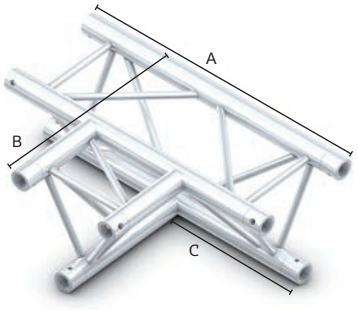


3 WAY VERTICAL T-PIECE APEX UP

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)

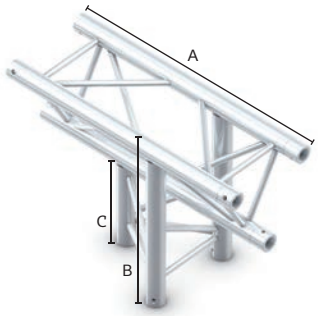
NOTE M290 / M390 dimensions are same for F & U versions



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

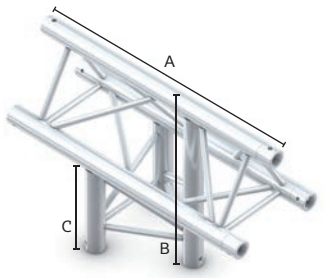
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

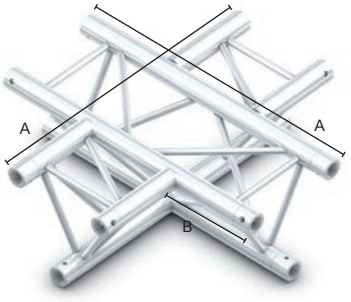
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

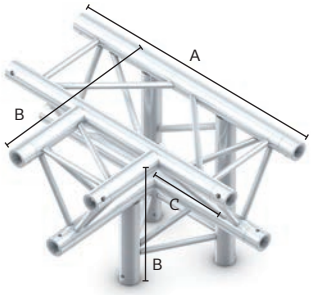
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

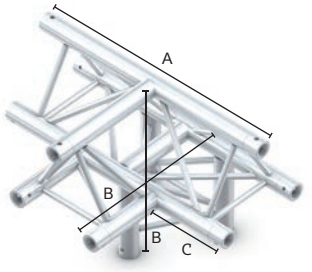
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

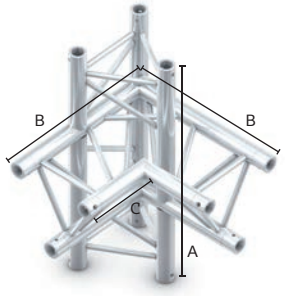
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

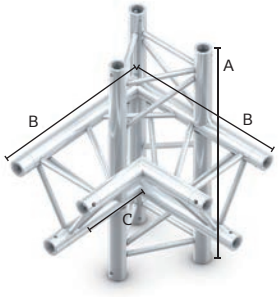
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

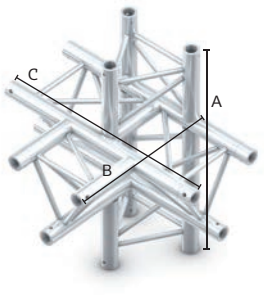
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

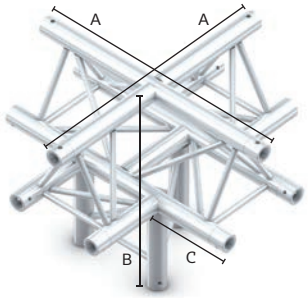


5 WAY T-PIECE

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)

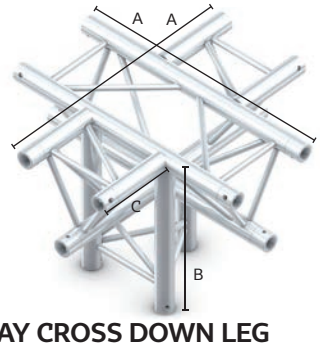
NOTE M290 / M390 dimensions are same for F & U versions



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

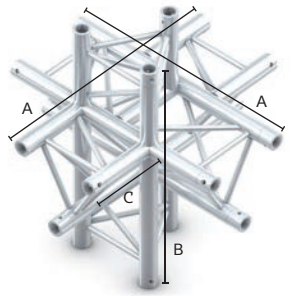
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

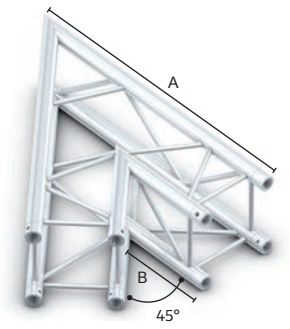


6 WAY T-PIECE

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
M222	QTM
M290	QTB/QTV
M390	QTK/QTL

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)
		500	1000	1500	2000	2500	3000	4000	–
		500	1000	1500	2000	2500	3000	4000	5000
		500	1000	1500	2000	2500	3000	4000	5000

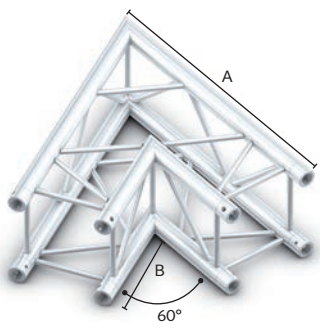
	QTM	QTB	QTV	QTK	QTL
Weight of 1 m/kg* (3.28 ft/lbs)	3.50 (7.71)	5.90 (13.0)	6.40 (14.1)	6.50 (14.3)	7.10 (15.7)

*excluding connection material

2 WAY CORNER 45°

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

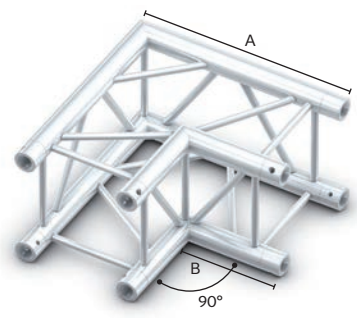
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 60°

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

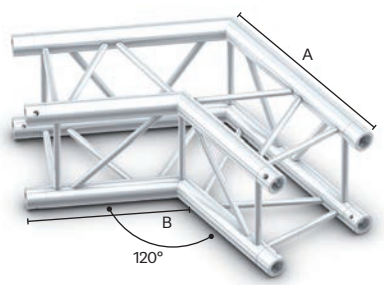
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

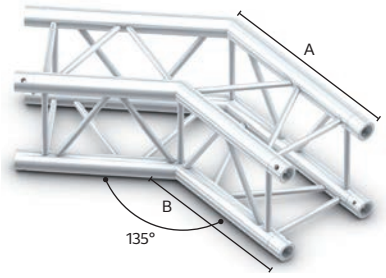


2 WAY CORNER 120°

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)

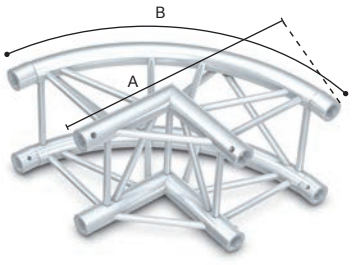
NOTE M290 / M390 dimensions are same for F & U versions



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

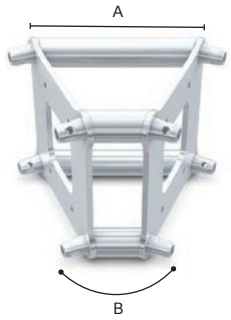
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CURVED CORNER 90°

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

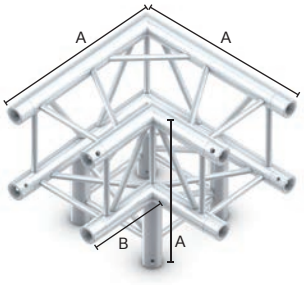
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

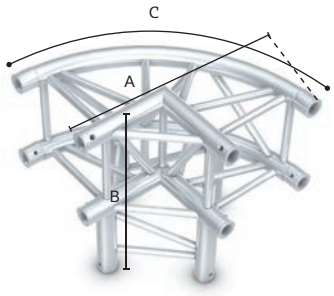
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

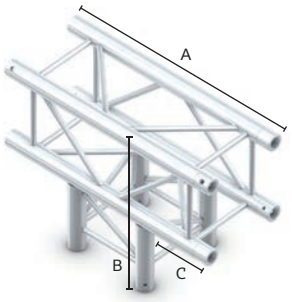
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CURVED CORNER 90°

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

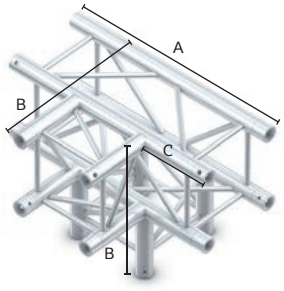
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY T-PIECE

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

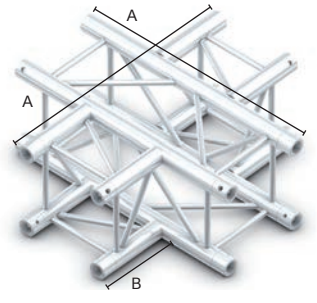
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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	QLUU40|4wayT	500	500	210	7.2
M390	QLK/QLL40|4wayT	810	600	210	14.4

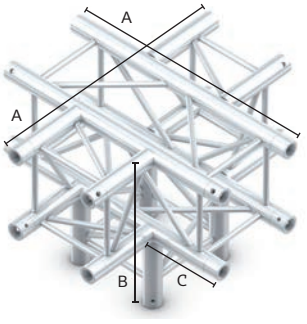
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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	QCUU41|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)

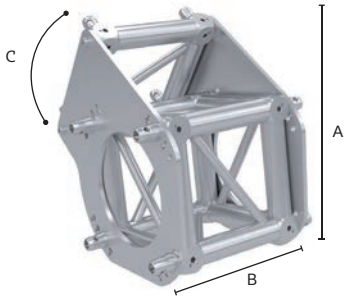


5 WAY CROSS DOWN LEG

Series	Code	A	B	C	kg
M222	QCM51|5way	578	400	179	4.9
M290	QCB/QCV51|5way	710	500	210	16.2
M290	QCUU51|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



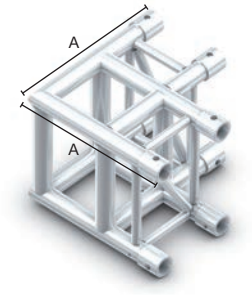
VARIO CORNER

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 × 2.204 = lbs)

Junctions for M400 / M520

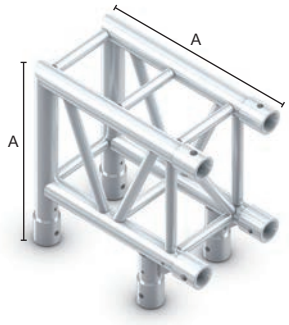
- Fast connection for quick, simple and secure assembly
- Compatible with 200/400/500/600 series cell clamps
- Powder coat colour finish available on request
- Connection kit supplied with every truss junction



2 WAY CORNER 90°

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

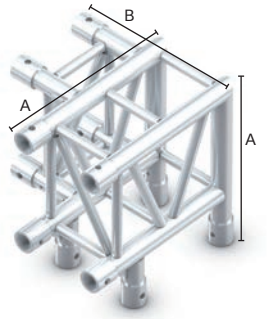
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90°

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

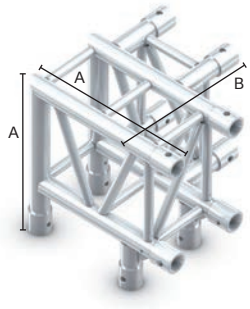
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CORNER 90°

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

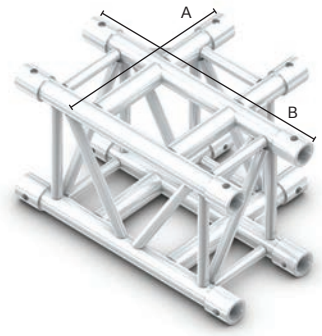
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CORNER 90°

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

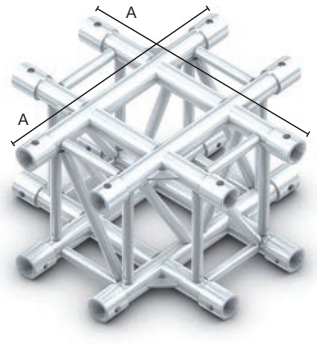
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY T-PIECE

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

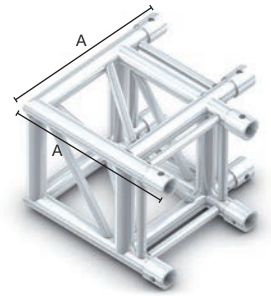
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CROSS PIECE

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

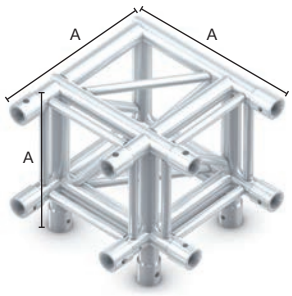
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90°

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

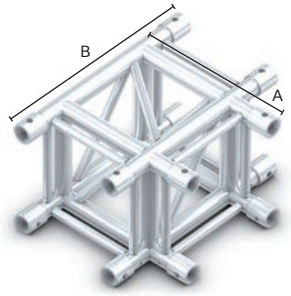
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

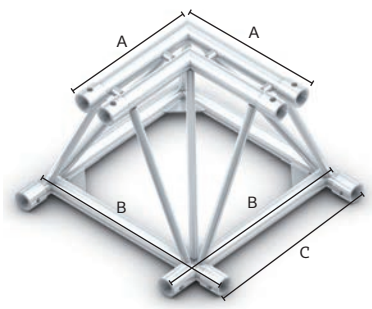
Series	Code	A	B	C	kg
M400	QTO35|3wayT	479	600	–	12.9

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

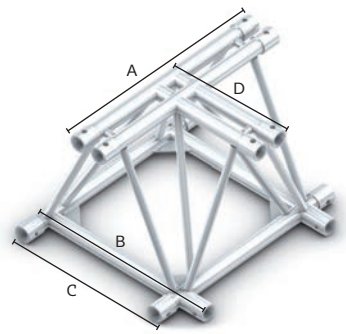
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90°

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

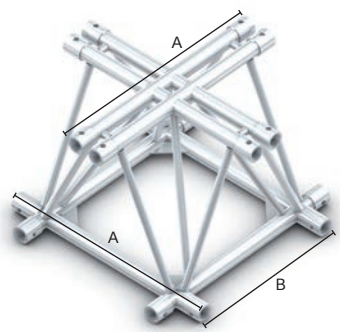
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY T-PIECE

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

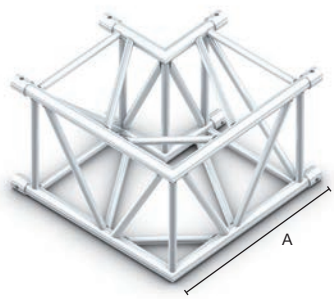
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CROSS PIECE

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

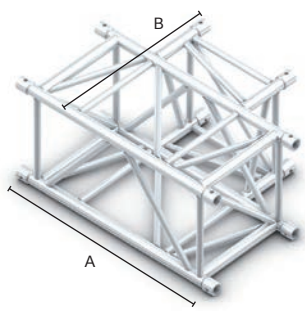
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90°

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

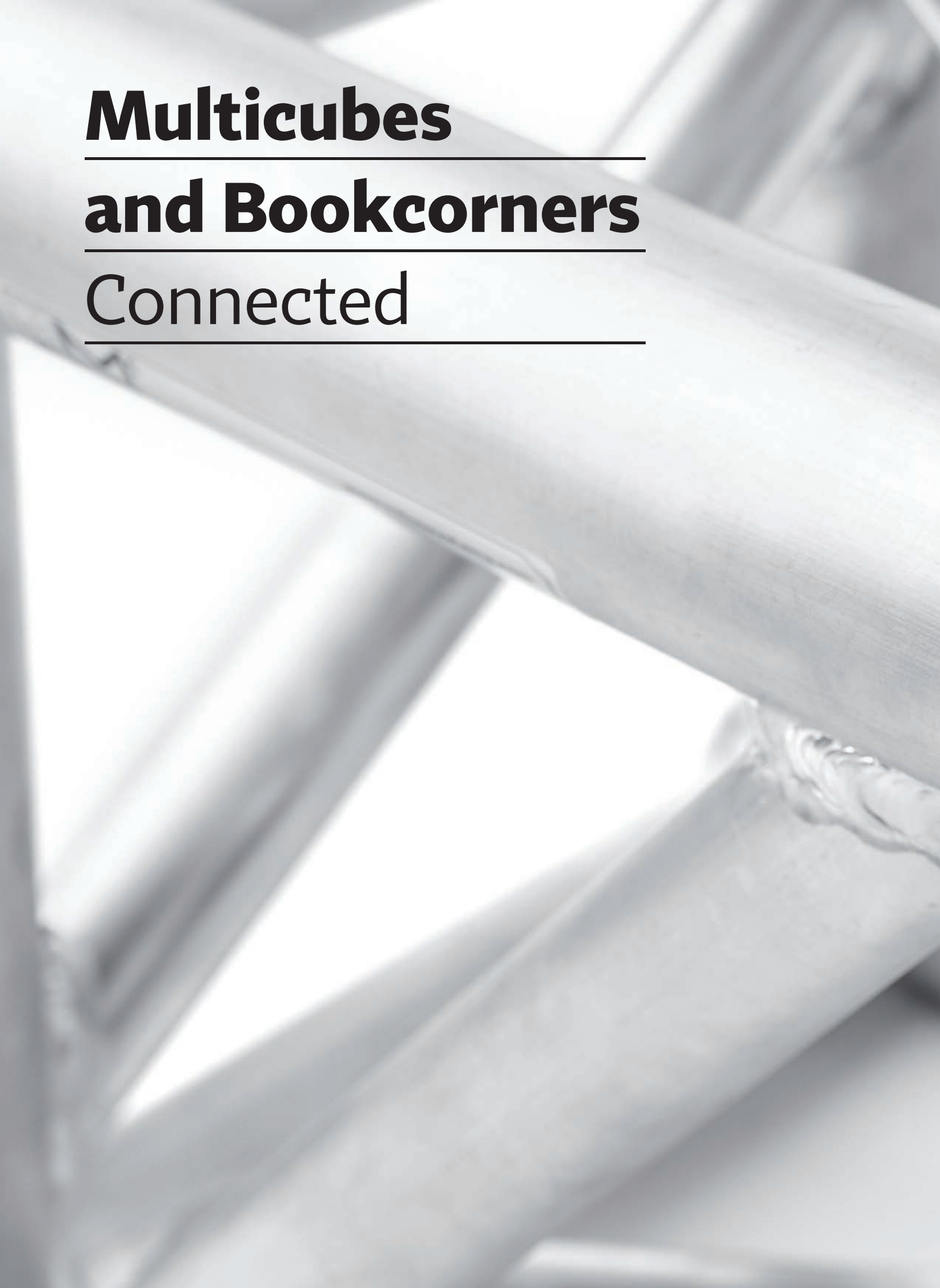
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

mm / in

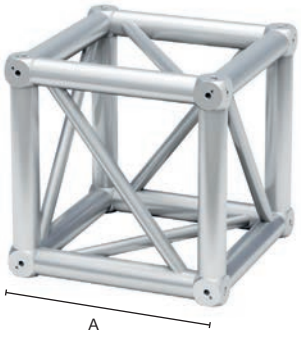
Suitable fittings: **CON85M|FemalePin** or **CON77M|MalePin**

MULTICUBE FOR M290 QUATRO SERIES

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

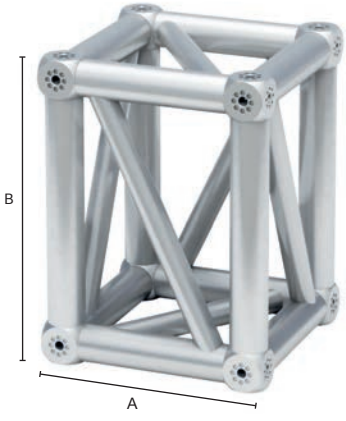
mm / in

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




Heavy-Duty


Regular



MULTICUBE FOR M390 QUATRO SERIES

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

mm / in

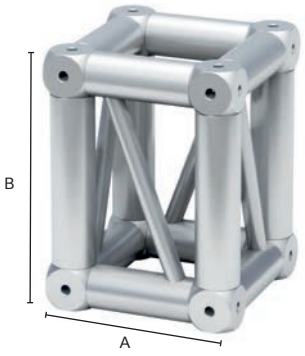
Suitable fittings: **CON63B|MalePin** or **CON64B|FemalePin**

MULTICUBE FOR M290X390 RECT SERIES

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

mm / in

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

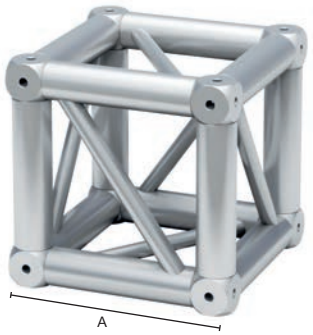


MULTICUBE FOR M400 RECT SERIES

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

mm | in

Suitable fittings: **CON47O|Female**

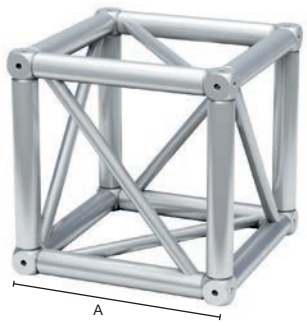


MULTICUBE FOR M400 QUATRO SERIES

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

mm | in

Suitable fittings: **CON47O|Female**

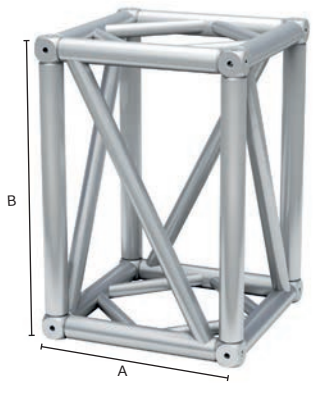


MULTICUBE FOR M520 QUATRO SERIES

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

mm | in

Suitable fittings: **CON47O|Female**

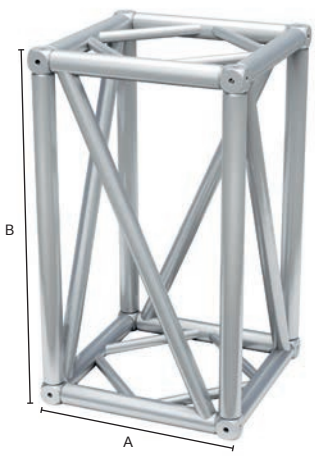


MULTICUBE FOR M760 RECT SERIES

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

mm | in

Suitable fittings: **CON47O|Female**



MULTICUBE FOR M950 RECT SERIES

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

mm | in

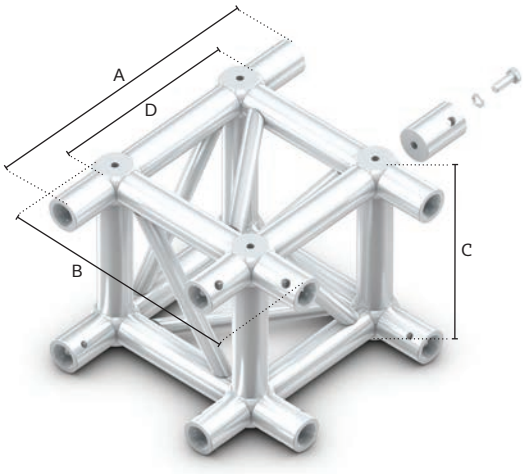
Suitable fittings: CON47O|Female

QBB1|M290BC

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

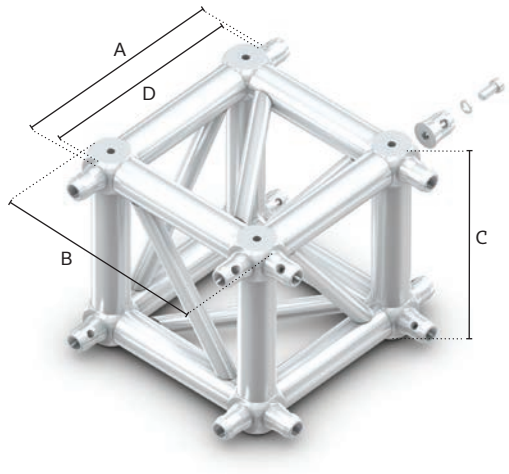


DIMENSIONS - FOR FEMALE CONNECTOR USE

Cube type	mm / in	A	B	C	D
M222		**322.0** (12.68)	**272.0** (10.71)	**222.0** (8.74)	**222.0** (8.74)
M290		**439.2** (17.29)	**364.2** (14.34)	**289.2** (11.39)	**289.2** (11.39)
M390		**538.4** (21.20)	**463.4** (18.24)	**388.4** (15.29)	**388.4** (15.29)
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	mm / in	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 **M520** **M760** **M950**	CON47O|Female	O Multicube	M16x40 HEX	d16.2/27.4		90.0 (3.54)

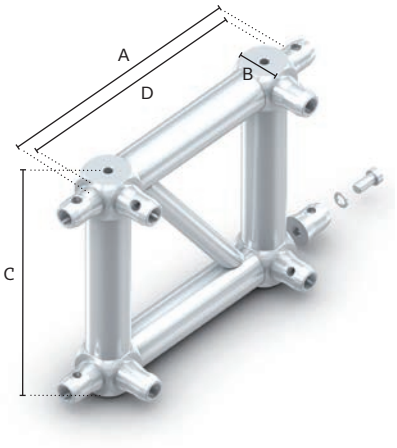


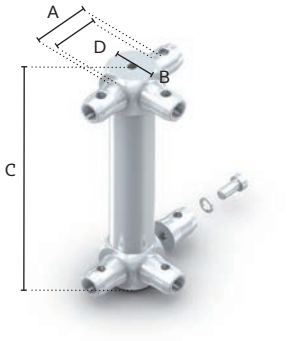
DIMENSIONS - FOR MALE HALF CONNECTOR USE

Cube type	mm / in	A	B	C	D
M222		**224.0** (8.82)	**223.0** (8.78)	**222.0** (8.74)	**222.0** (8.74)
M290		**291.2** (11.46)	**290.2** (11.43)	**289.2** (11.39)	**289.2** (11.39)
M390		**390.4** (15.37)	**389.4** (15.33)	**388.4** (15.29)	**388.4** (15.29)
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	mm / in	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

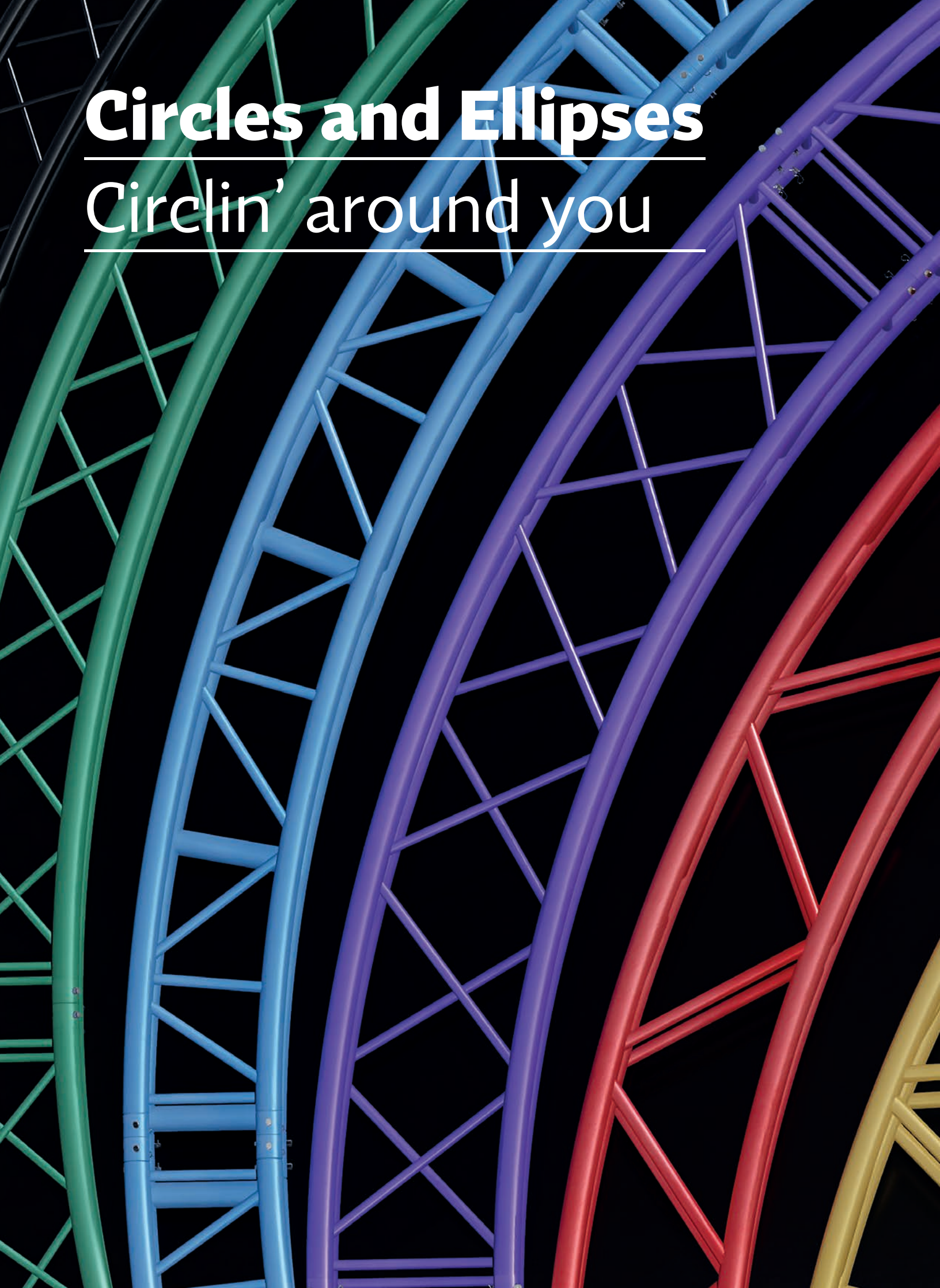
Cube type	CON code	Male connector	Bolt	Washer	mm / in	Shoulder length
M222	CON62	MM-D10-steel	M10x16 ALLEN; 8.8	d10.2/16		1.0 (0.04)
M290	CON63B|MalePin	BM/D12-steel-K6x10	M12x25 ALLEN; 10.9	d12.2/18		1.0 (0.04)
M390	CON63F|MalePin	FM/D12-steel-K6x10	M12x25 ALLEN; 10.9	d12.2/18		1.0 (0.04)

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

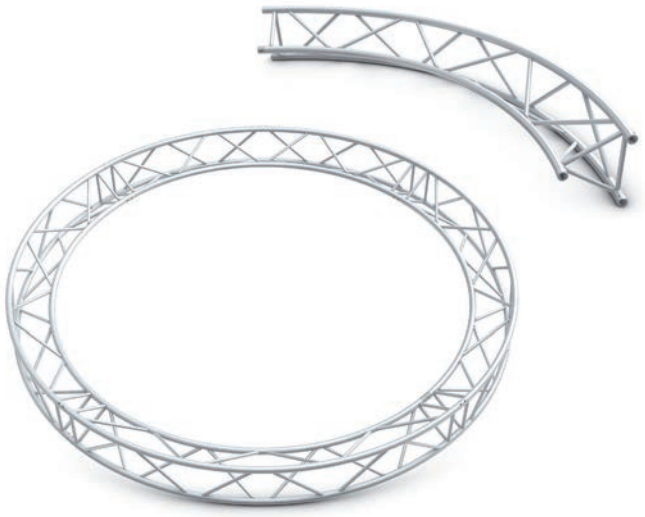
Series	CON code	Outer diameter	Segments
M222	CrBTMd2000|4/4|h	D 2m (6.56')	4
M222	CrBTMd3000|4/4|h	D 3m (9.84')	4
M222	CrBTMd4000|4/4|h	D 4m (13.12')	4
M222	CrBTMd5000|8/8|h	D 5m (16.40')	8
M222	CrBTMd6000|8/8|h	D 6m (19.69')	8
M290	CrBTBd3000|4/4|h	D 3m (9.84')	4
M290	CrBTBd4000|4/4|h	D 4m (13.12')	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

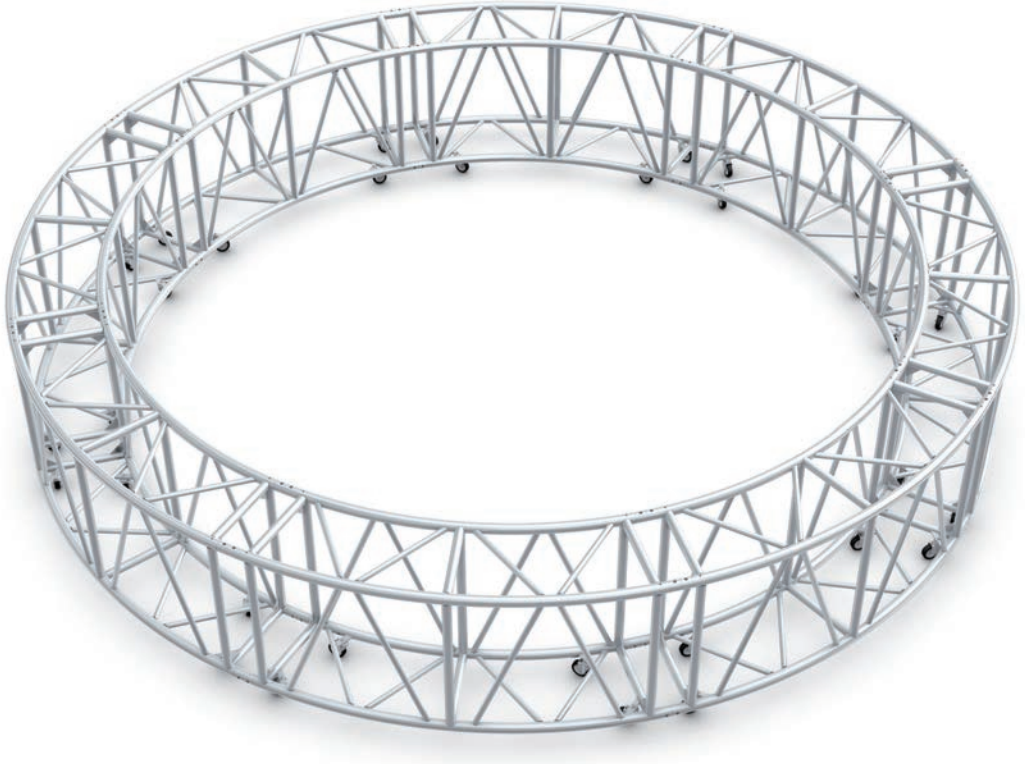
Series	CON code	Outer diameter	Segments
M222	CrSTMd2000|4/4|ud	D 2m (6.56')	4
M222	CrSTMd3000|4/4|ud	D 3m (9.84')	4
M222	CrSTMd4000|4/4|ud	D 4m (13.12')	4
M222	CrSTMd5000|8/8|ud	D 5m (16.40')	8
M222	CrSTMd6000|8/8|ud	D 6m (19.69')	8
M290	CrSTBd3000|4/4|ud	D 3m (9.84')	4
M290	CrSTBd4000|4/4|ud	D 4m (13.12')	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



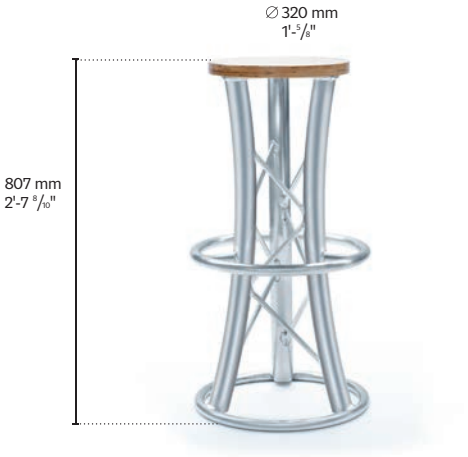
Furniture & DJ kits

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

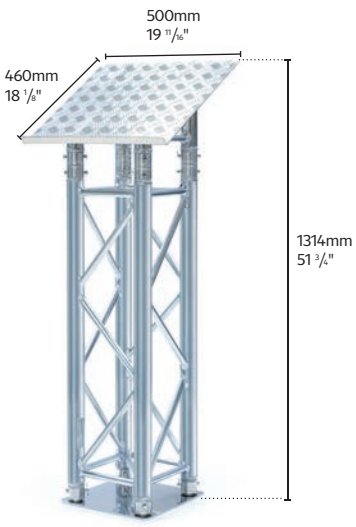
Code	kg	lbs
MMD125	6.00	(13.22)

With curved legs

Aluminium bar table

Code	kg	lbs
MMD162	11.60	(25.57)

With curved legs



Curved lectern

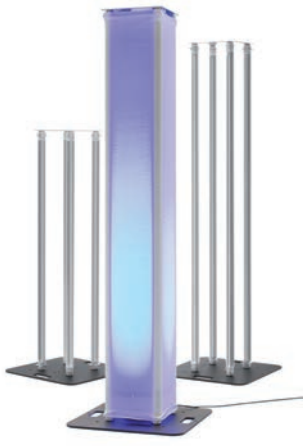
Code	kg	lbs
MMD141B	7.00	(15.43)

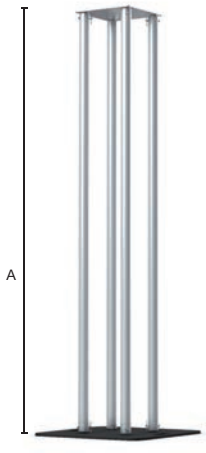
Includes replaceable top made of sheet aluminium with pencil stop. Curved legs.

Rectangular lectern

Code	kg	lbs
MMD143B-32DG	12.20	(26.89)

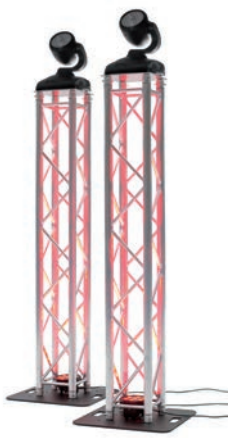
Includes replaceable top made of sheet aluminium with pencil stop. Square leg base.

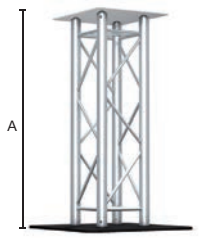




GLOW TOTEMS

Code	m / ft	height	kg / lbs	weight	mm / in	tubes	plates	sleeve
GlotemM100B-1500BL		**1.5** (4´ - 11.10")		**36.00** (79.35)		**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	m / ft	height	kg / lbs	weight	mm / in	tubes	plates	sleeve
MMD132B-1000		**1.0** (3' - 3.40")		**34.60** (76.26)		**50 x 2** (2"x0.08")	Top: BBPQC	M290 QUATRO
MMD132B-2000		**2.0** (6' - 6.70")		**41.00** (90.36)		**50 x 2** (2"x0.08")		
MMD132B-3000		**3.0** (9' - 10.10")		**46.50** (102.49)		**50 x 2** (2"x0.08")	Botom: 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

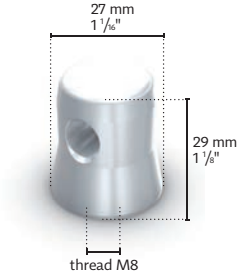
Series	kg	lbs
M222	0.02 (0.04)	

Pin M

PMM6SET

Series	kg	lbs
M222	0.02 (0.04)	

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



CCMM8|MALE

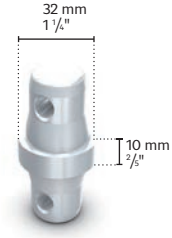
Series	kg	lbs
M222	0.03 (0.07)	

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

SRPM

Series	kg	lbs
M222	0.01 (0.01)	

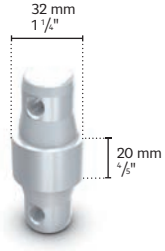
Safety R Clip M



CCMD10

Series	kg	lbs
M222	0.08 (0.18)	

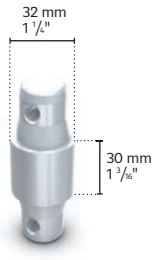
Spacer M 10 mm (0.39")



CCMD20

Series	kg	lbs
M222	0.10 (0.22)	

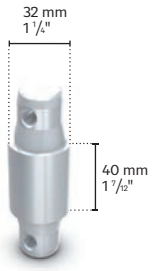
Spacer M 20 mm (0.79")



CCMD30

Series	kg	lbs
M222	0.12 (0.26)	

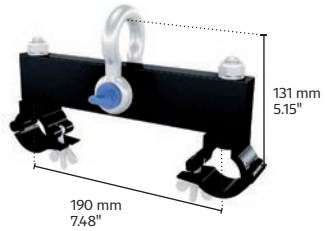
Spacer M 30 mm (1.18")



CCMD40

Series	kg	lbs
M222	0.14 (0.31)	

Spacer M 40 mm (1.58")



CS-M222|COLOR

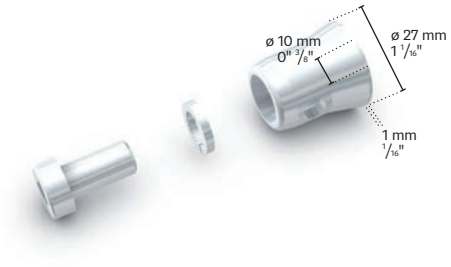
Series	kg	lbs
M222	**1.2** (2.64)	

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

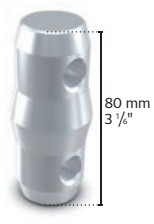
Series	kg	lbs
M222	**0.40** (088)	

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 M290E M390 M290x390	**0.11** (0.24)	

Conical connector B
F & U compatible versions available

PB|PIN

Series	kg	lbs
M290 M290E M390 M290x390	**0.05** (0.11)	

Pin B

PBM8SET

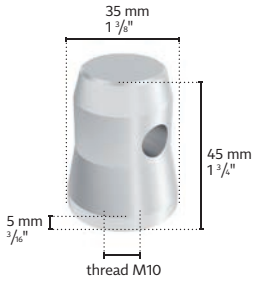
Series	kg	lbs
M290 M290E M390 M290x390	**0.08** (0.18)	

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

PBM8SSSET

Series	kg	lbs
M290 M290E M390 M290x390	**0.08** (0.18)	

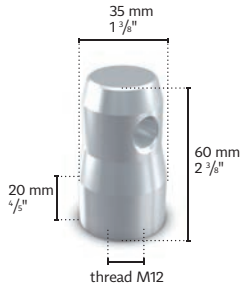
Stainless steel Pin B with M8 thread
Supplied with washer and nylock nut.



CCBM/10|MALE

Series	kg	lbs
M290 M390 M290x390	**0.07** (0.15)	

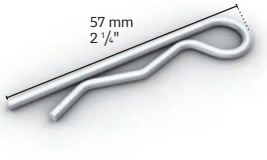
Half connector B with M10 thread
Fixing screw not included (order separately if required)
F&U compatible versions available



CCBM/12|MALE

Series	kg	lbs
M290 M390 M290x390	**0.12** (0.26)	

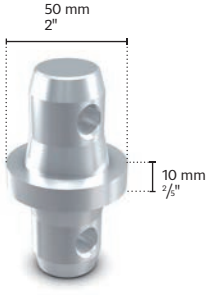
Half connector B with M12 thread
Fixing screw not included (order separately if required)
F&U compatible versions available



SRPB

Series	kg	lbs
M222 M290E M390 M290x390	**0.002** (0.01)	

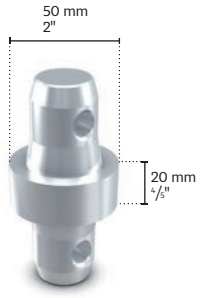
Safety R Clip B



CCBD10

Series	kg	lbs
M290 M390 M290x390	**0.20** (0.44)	

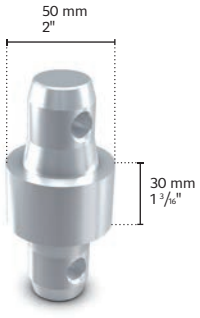
Spacer B 10 mm (0.39")
F & U compatible versions available



CCBD20

Series	kg	lbs
M290 M390 M290x390	**0.25** (0.55)	

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



CCBD30

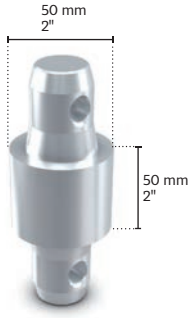
Series	kg	lbs
M290 M390 M290x390	**0.30** (0.66)	

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

CCBD40

Series	kg	lbs
M290 M290E M390 M290x390	**0.36** (0.79)	

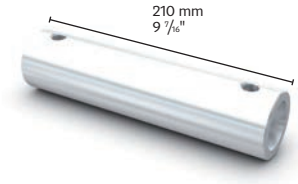
Spacer B 40 mm (1.58")
F & U compatible version available

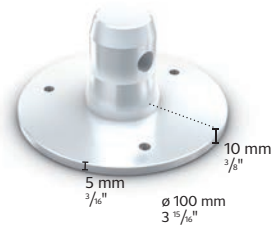


CCBD50

Series	kg	lbs
M290 M290E M390 M290x390	**0.41** (0.90)	

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





CFBD105

Series	kg	lbs
M290 M390 M290x390	**0.33** (073)	

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

CFBD210

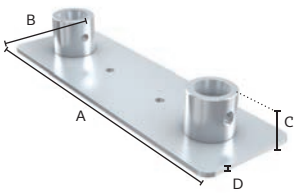
Series	kg	lbs
M290 M390 M290x390	**0.68** (0.84)	

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

BBPSC|MALE

Series	kg	lbs
M100 M290 M390 M290x390	**0.19** (0.42)	

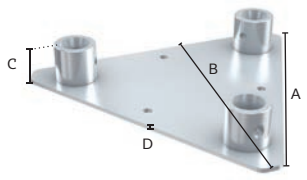
Base plate with half connector
F & U compatible version available



Duo base plates with female receiveres

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

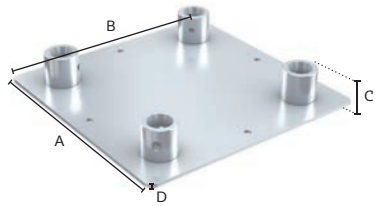
To calculate inches and pounds (mm /25.4 = inches), (kgx2.204 = lbs)
F&U compatible versions available



Trio base plates with female receiveres

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

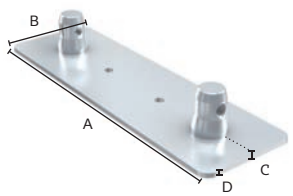
To calculate inches and pounds (mm /25.4 = inches), (kgx2.204 = lbs)
F&U compatible versions available



Quatro base plates with female receiveres

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

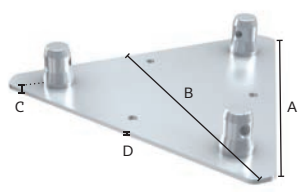
To calculate inches and pounds (mm /25.4 = inches), (kgx2.204 = lbs)
F&U compatible versions available



Duo base plates with half connectors

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

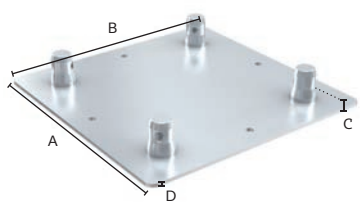
To calculate inches and pounds (mm /25.4 = inches), (kgx2.204 = lbs)
F&U compatible versions available



Trio base plates with half connectors

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

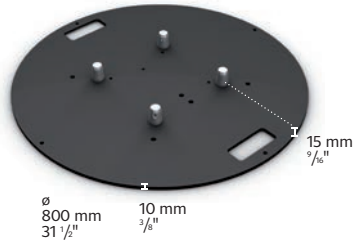
To calculate inches and pounds (mm /25.4 = inches), (kgx2.204 = lbs)
F&U compatible versions available



Quatro base plates with half connectors

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

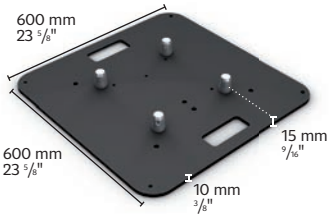
To calculate inches and pounds (mm /25.4 = inches), (kgx2.204 = lbs)
F&U compatible versions available



BBPD800|QTB|STEEL

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

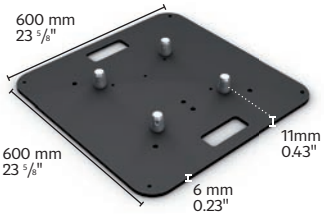
Round steel base plate with half connectors
Pre-drilled holes for multiple truss ranges & shapes
F & U compatible versions available



BBP600X600X10|QTB|STEEL

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

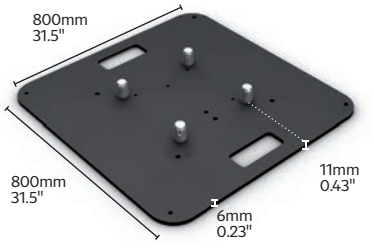
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges & shapes
F & U compatible versions available



BBP600X600X6|QTB|STEEL

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

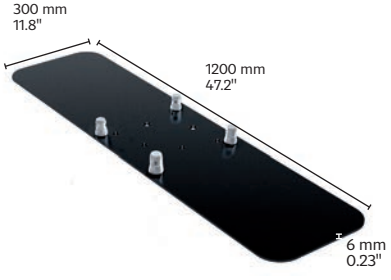
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges & shapes
F & U compatible versions available



BBP800X800X6|QTB|STEEL

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

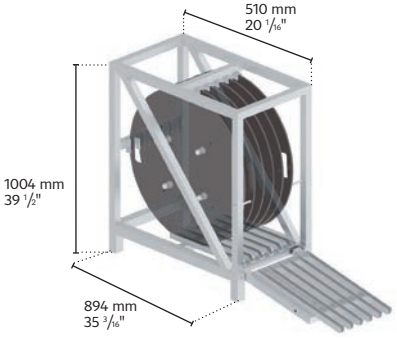
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges & shapes
F & U compatible versions available



BBP1200X300|QTB|STEEL

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

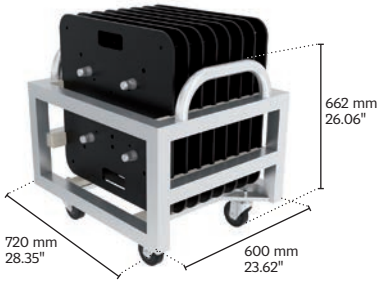
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges & shapes
F & U compatible versions available



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 M520 M760 M950	**0.30** (0.66)	

Conical connector O

PO|PIN

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

Pin O

POM12SET

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

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

POM12SSSET

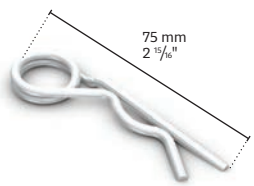
Series	kg	lbs
M400 M520 M760 M950	**0.12** (0.26)	

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

CCOM16|MALE

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

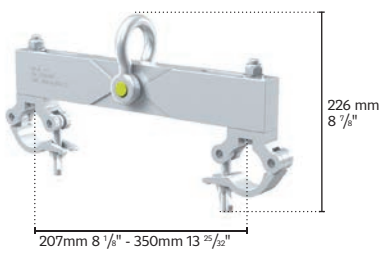
Half conical connector O with M16 thread
Fixing screw not included (order separately if required).



SRPO

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

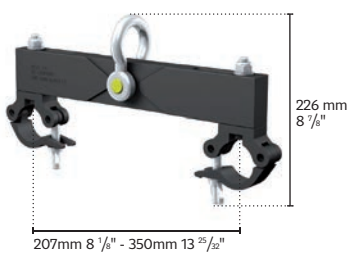
Safety R Clip O



CS-M290/M400

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

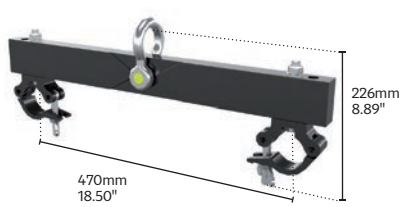
Ceiling support - silver
SWL 1000 kg (2204 lbs) - DGUV17/BGVC1



CS-M290/M400|COLOR

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

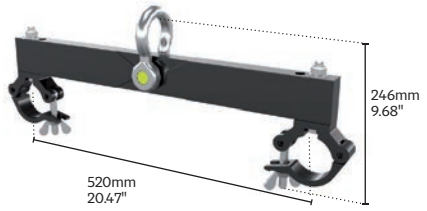
Ceiling support - black
SWL 1000 kg (2204 lbs) - DGUV17/BGVC1



CS-M520/M760|COLOR

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

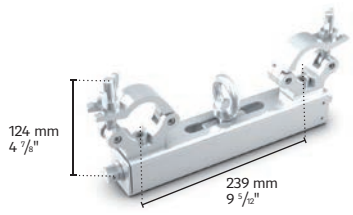
Ceiling support - black
SWL 1120 kg (2470 lbs) - DGUV17/BGVC1



CS-M950|COLOR

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

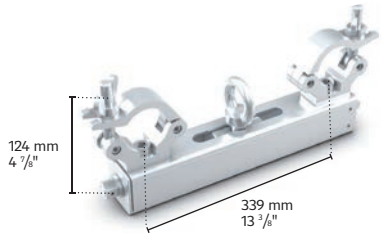
Ceiling support - black
SWL 1000 kg (2204 lbs) - DGUV17/BGV C1



CS3B-ADJ-M290

Series	kg	lbs
M290		
M290	**3.50** (7.71)	
M290x390		

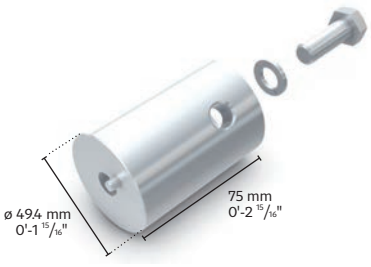
Ceiling support for M290 - Adjustable center of gravity
SWL 749.6 lbs (340 Kg)



CS3B-ADJ-M390

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

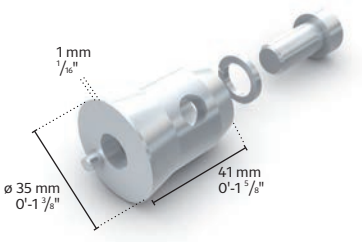
Ceiling support for M390 - Adjustable center of gravity
SWL 749.6 lbs (340 Kg)



CON64B|FEMALEPIN

Series	kg	lbs
M290		
M390	**0.32** (0.71)	
M290x390		

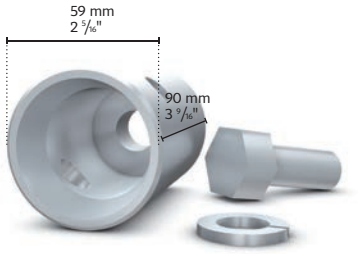
Female connector for Multicubes M290/M390 series
Supplied with washer and M12x35 bolt.
F & U compatible version available



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



CON47O|FEMALE

Series	
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		
M390	**0.49** (1.08)	

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

CON12B|PARCELTRIO

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

Connection set - TRIO truss
3x CCB, 6xPB|Pin, 6x SRPB
F & U compatib le 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

CON42O|PARCELQUATRO

Series	kg	lbs
M400 M520 M760 M950	**2.16** (4.76)	

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

CON84M|PARCELQC|MALEPIN

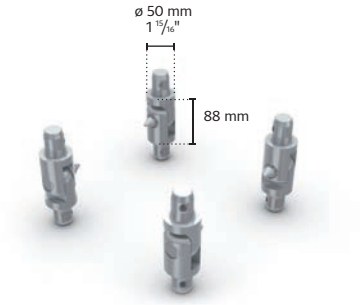
Series	kg	lbs
M222		

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

CON82B|PARCELQC|MALEPIN

Series	kg	lbs
M290/390		

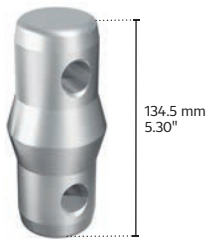
Parcel for multicube truss serie M290/M390
(4xCON63B+4xPB+4xSRPB)
F & U compatible version available



MT1-07B|HINGES|4PCS

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

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



CCR

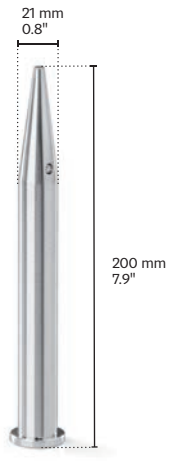
Series	
M1200	**0.65** (1.43)

Conical connector R for truss series M1200

PR|PIN

Series	
M1200	**0.21** (0.46)

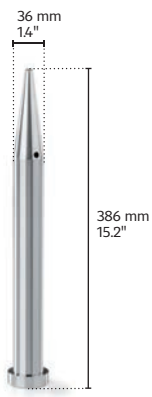
Pin R for truss series M1200



PQ-FTD

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

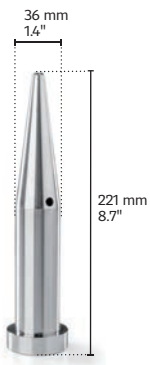
Pin Q-FTD



PW-FTZ

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

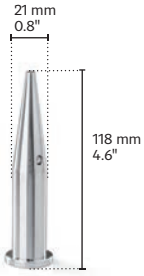
Pin W-FTZ



PW

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

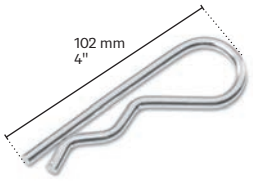
Pin W



PQ

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

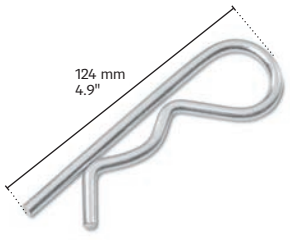
Pin Q



SRPQ

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

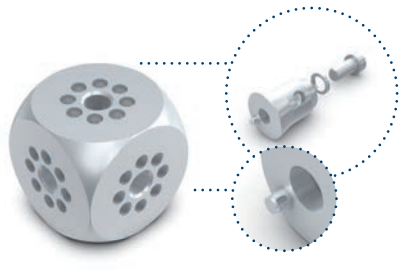
Safety R clip Q



SRPW

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

Safety R clip W



CUBEB-UNI

Series	kg	lbs
M100 **M290** **M390** **M290x390**	**0.27** (0.60)	

Multiconnection cube with 360°setting adjustability

HINGEQB-UNI

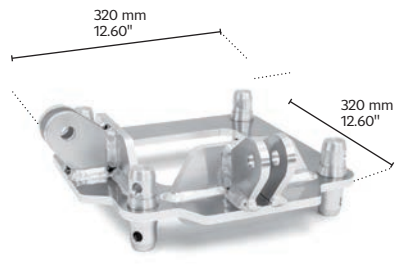
Series	kg	lbs
M100 **M290** **M390** **M290x390**	**0.27** (0.60)	

Multiconnection hinge with 360° setting adjustability

MODULARHINGE-B

Series	kg	lbs
M100 **M290** **M390** **M290x390**	**0.49** (1.08)	

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

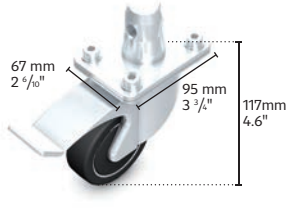
Series	kg	lbs
M290	**1.40** (3.08)	

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

CBD50

Series	kg	lbs
M290	-	

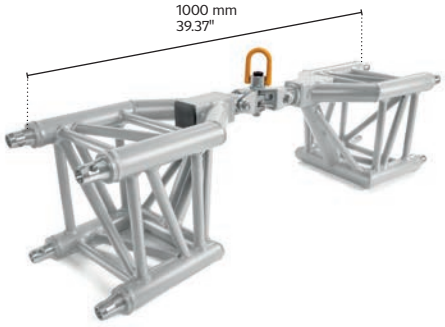
Corner brace 1000mm or 2000 mm for tube 48-50mm



BBPSC-GW

Series	kg	lbs
M100 M290 M390 M290x390	**2.00** (4.41)	

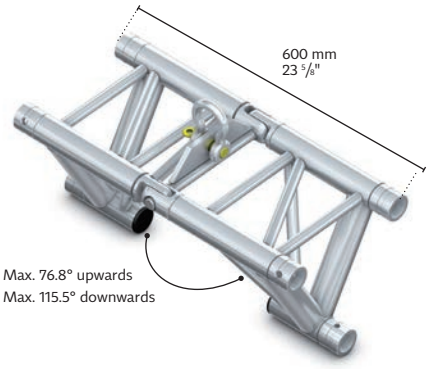
Transport wheel with brake and half coupler
F & U compatible versions available



MUH-M290-HD|1000

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

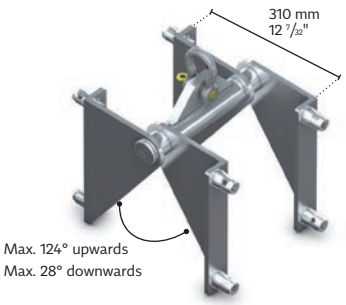
Hinged component that allows for virtually infinite height and angular configurations for exciting backdrops and support structures.
Image is for illustrative purposes only!
Connection material is not part of the product.



HP-STB-FLEX

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

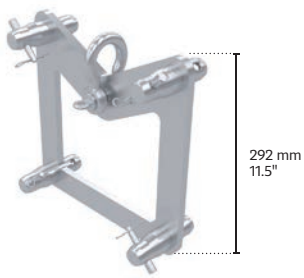
Flexible Hinge Section for TRIO Truss
WLL 1000kg (2204.2 lbs)
DGUV17 / BGVC1
F & U compatible versions available



HP-QTB-FLEX

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

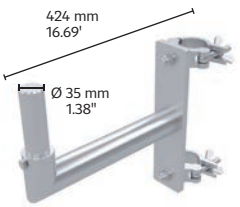
Flexible Hinge Section for QUATRO Truss
WLL 1000kg (2204.2 lbs)
DGUV17 / BGVC1
F & U compatible versions available



HANGING-PLATE-QTB

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

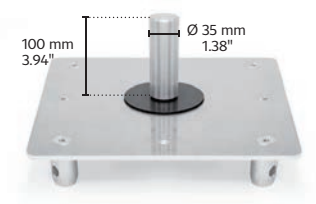
Hanging plate for M290 quatro, incl. 8x half male connector
F & U compatible versions available



SPEAKER-MOUNT-D50

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

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

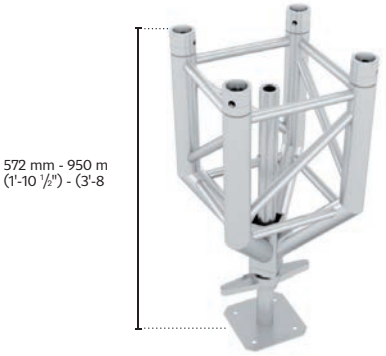
Series	kg	lbs
M290	**1.80** (4.00)	

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)	

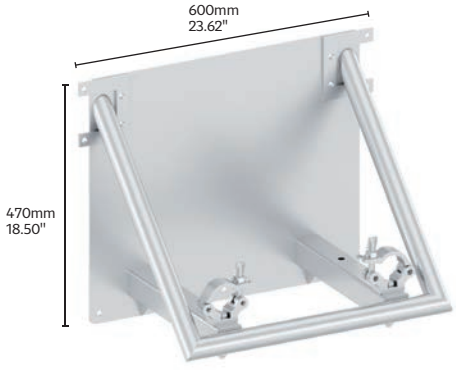
M290 top circle, outer d=1m, tube 50mm, incl. 4x half male connector
F & U compatible versions available



LEGM290V|572-950

Series	kg	lbs
M222	7.70	(16.97)

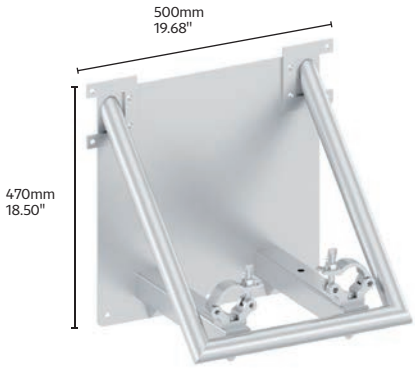
Adjustable pedestal leg 572-950mm
Available for M390



WALLPLATE-M390|500KG

Series	kg	lbs
M390	7.00	(15.43)

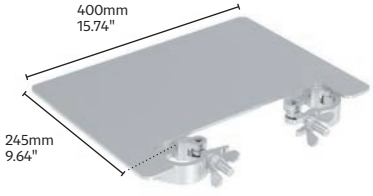
Truss wall mount, SWL 500 kg (1102 lbs)



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

DELTAPLATE

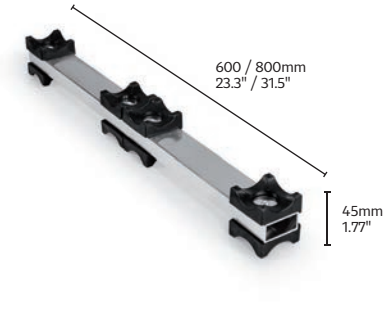
kg	lbs	
		12.30 (27.12)

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 M390	0.08	(0.18)

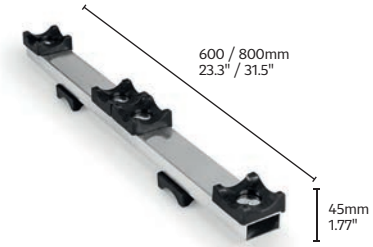
Truss transport clip
Fits 48-51mm tubes.



TRUSS-INSERT-M290-QUATRO|600
TRUSS-INSERT-M390-QUATRO|800

Series	kg	lbs
M290	1.30 (2.86)	
M390	1.50 (3.30)	

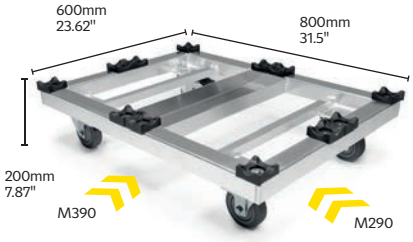
Truss insert for transport & stocking



TRUSS-INSERT-M290-TRIO|600
TRUSS-INSERT-M390-TRIO|800

Series	
M290	**0.80** (1.76)
M390	**1.00** (2.20)

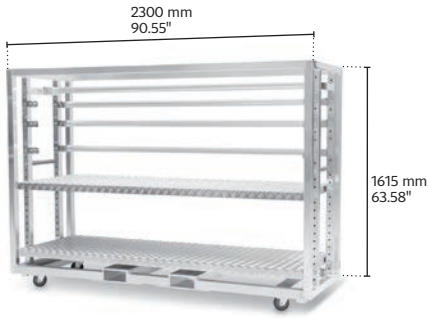
Truss insert for transport & stocking



TRUSS-DOLLY

Series	kg / lbs
M290	**10.10** (22.26)
M390	

Truss dolly for transport & stocking



MMR01|2.3X0.8-1.6m|MEATRACK

kg / lbs	
kg	**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	
kg	**65kg** (143.30lbs)

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

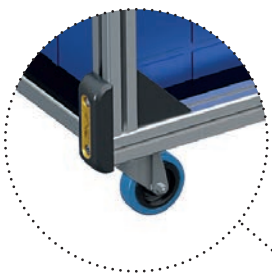
Multipurpose Cart MMC

- Aluminium profile with multiple attachment options
- Sturdy plastic corners and aluminium profile connection
- Compact dimensions (1812 x 1799x 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

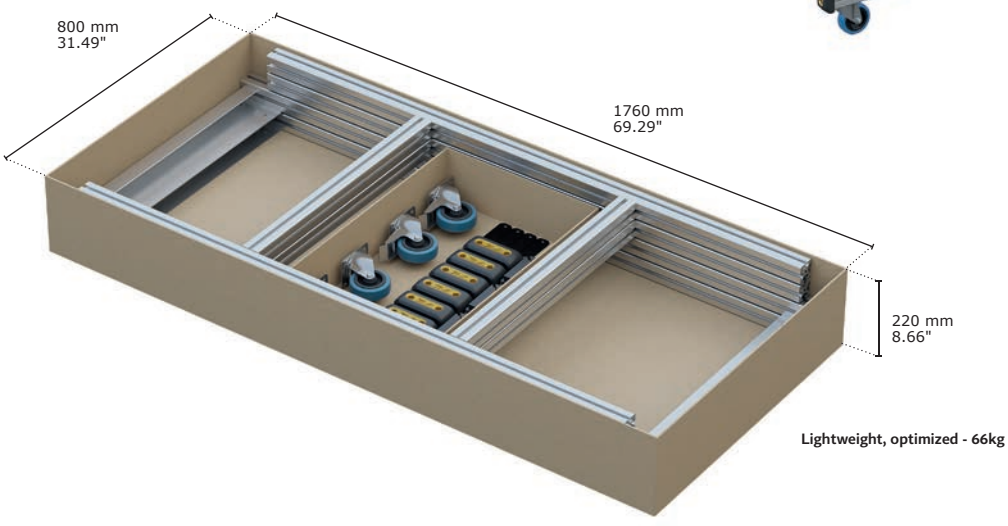
Specific profile

Protective bumpers on all sides



Protective bumpers on all sides

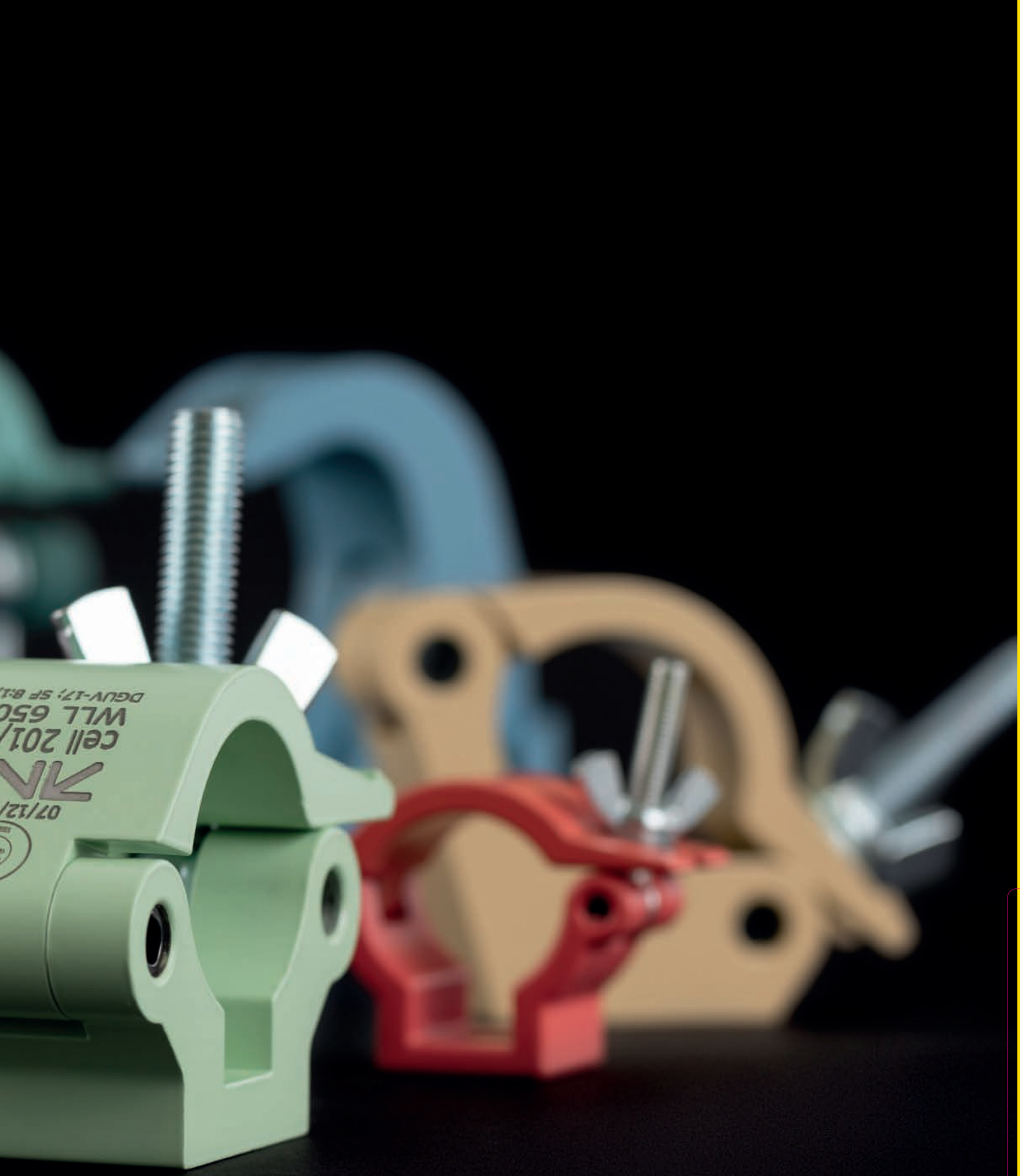
Optimized packaging for delivery



Lightweight, optimized - 66kg

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) DGUV17/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

anodized

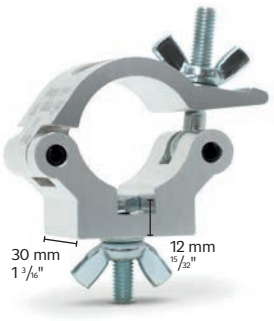
CELL131 / CELL131|anodized

Basic clamp

kg (lbs)

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

Basic Clamp can be used for most applications.



anodized

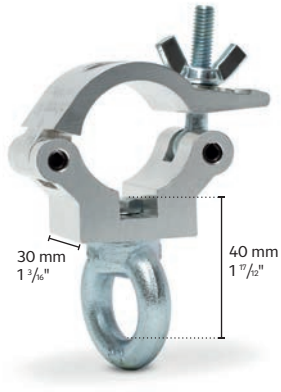
CELL132 / CELL132|anodized

Clamp with bolt and wingnut

kg (lbs)

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

Clamp supplied with M10 x 30 bolt and wingnut.



anodized

CELL133 / CELL133|anodized

Clamp with lifting eye

kg (lbs)

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

Clamp with lifting eye

anodized

CELL134 / CELL134|anodized

Swivel coupler

kg (lbs)

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

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

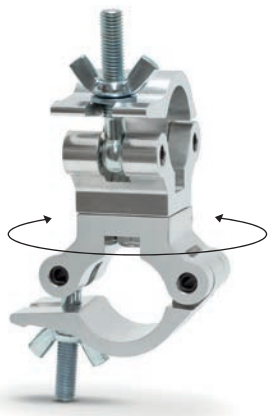
anodized

CELL201 / CELL201|anodized

Basic clamp

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

Basic Clamp can be used for most applications.



anodized

CELL204 / CELL204|anodized

Swivel coupler

kg	lbs	SWL1	SWL2	Weight	Tube Ø
		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.

anodized

CELL207 / CELL207|anodized

Slim basic clamp

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

Slim basic clamp can be used for most applications.

anodized

CELL214 / CELL214|anodized

Swivel coupler

kg	lbs	SWL1	SWL2	Weight	Tube Ø
		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)

anodized

CELL301 / CELL301|anodized

Basic clamp

kg lbs

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

Basic Clamp can be used for most applications.

anodized

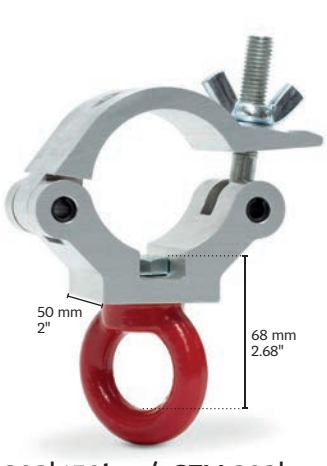
CELL302 / CELL302|anodized

Clamp with bolt and wingnut

kg lbs

SWL1	SWL2	Weight	Tube Ø
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.



anodized

CELL303|650kg / CELL303|anodized

Clamp with lifting eye

kg lbs

SWL1	SWL2	Weight	Tube Ø
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

anodized

CELL304 / CELL304|anodized

Swivel coupler

kg lbs

SWL1	SWL2	Weight	Tube Ø
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

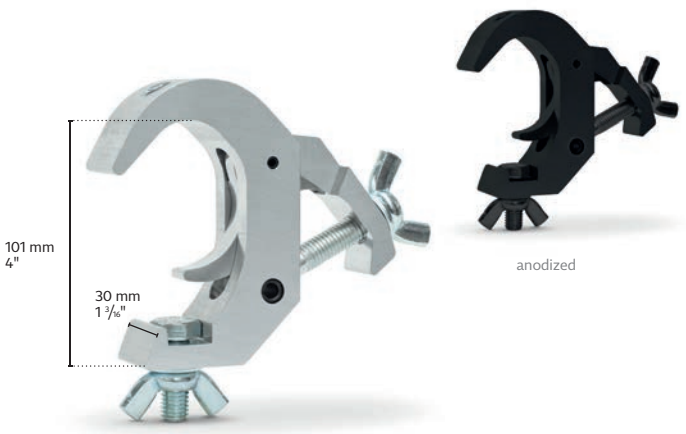
- Quick hook clamp series designed for 38-51 mm (1 1/2"-2") diameter tubes
- Quick & easy attachment solution for moving heads
- Precision extruded high tensile aluminium alloy
- DGUV17/BGV C1 rating
- Compatible with M290 / M390 / M400 / M520 / M760 / 4GS-35 / 4GS-50 / 4GS-62
- Supplied with M12 bolt & 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

kg	lbs	SWL1	SWL2	Weight	Tube Ø
		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

kg	lbs	SWL1	SWL2	Weight	Tube Ø
		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

kg	lbs	SWL1	SWL2	Weight	Tube Ø
		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

kg	lbs	SWL1	SWL2	Weight	Tube Ø
		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)


anodized

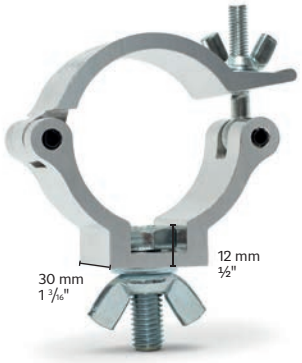
CELL501 / CELL501|anodized

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.




anodized

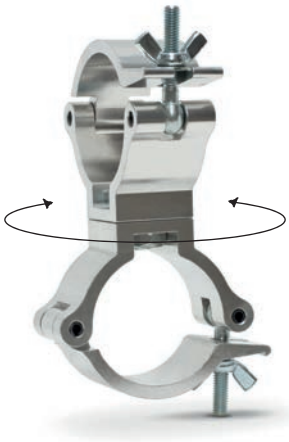
CELL502 / CELL502|anodized

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.




anodized

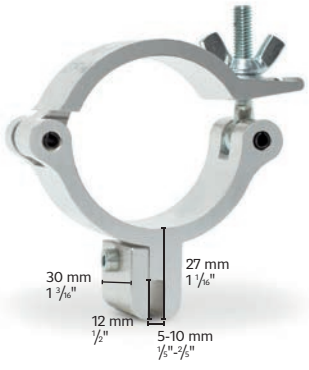
CELL504 / CELL504|anodized

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.




anodized

CELL511 / CELL511|anodized

Panel Clamp

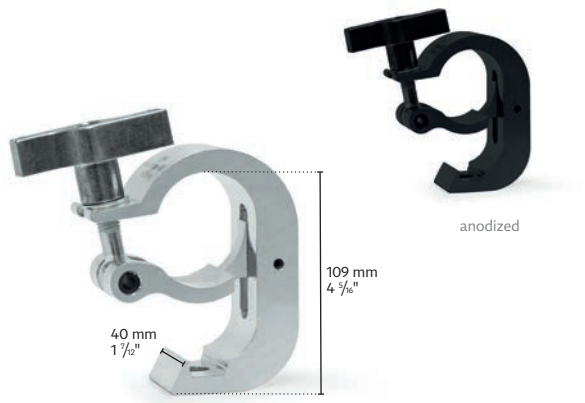
kg lbs

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



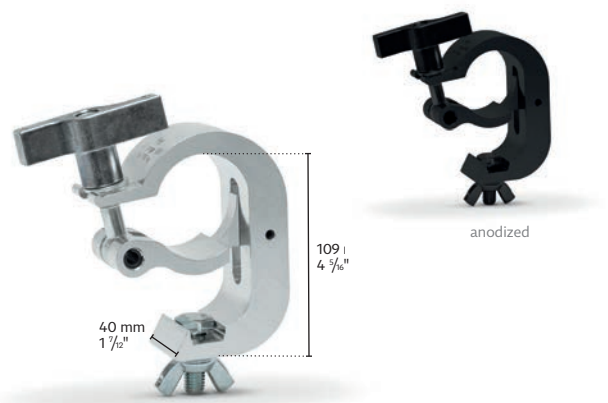
CELL601 / CELL601|anodized

Basic clamp

kg | lbs

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

Basic clamp can be used for most applications.



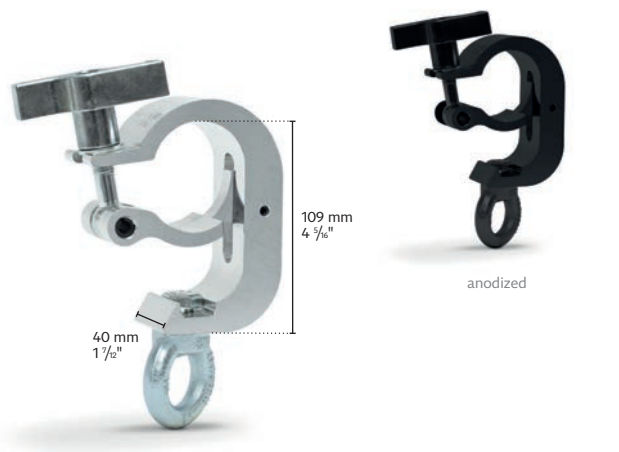
CELL602 / CELL602|anodized

Basic clamp with bolt and wingnut

kg | lbs

SWL1	SWL2	Weight	Tube Ø
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

kg | lbs

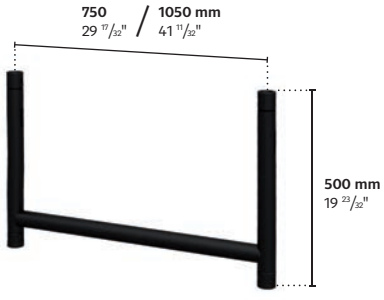
SWL1	SWL2	Weight	Tube Ø
350 (771)	**700** (1543)	**0.75** (1.65)	**48-51 mm** (1.89"-2")

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

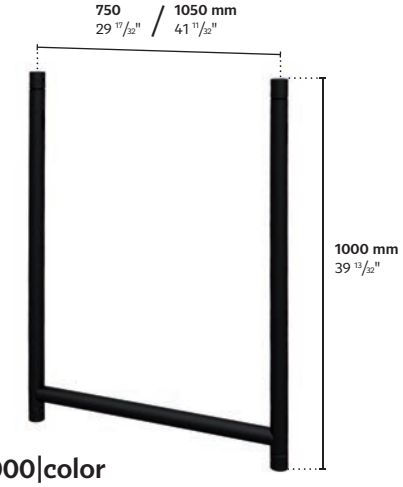
- All load information are without consideration of horizontal forces. Specific load figures can be approved on request.
- As horizontal forces are not considered, the analysis of tipping over must be made case by case.



MLA-H750x500|color
MLA-H1050x500|color

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

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

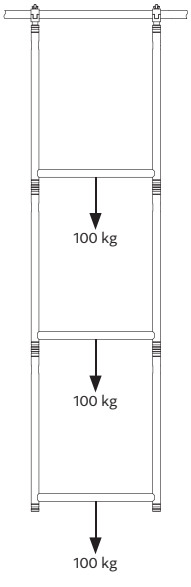


MLA-H750x1000|color
MLA-H1050x1000|color

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

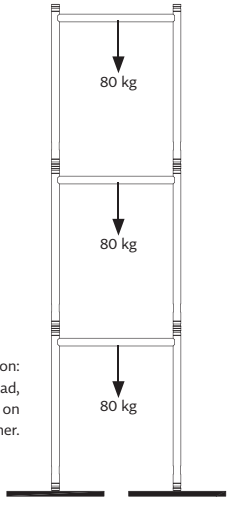
Modular Grid Frame for hanging lights from truss structures - 750x1000mm or 1050x1000mm.

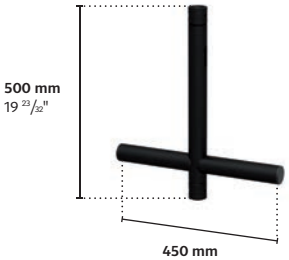
Load assumptions



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 3mm** (1.89" x 0.12")	**2.20** (4.85)	
MLA-I-1050|color	**48 x 3mm** (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 3mm** (1.89" x 0.12")	**0.70** (1.54)	
MLA-L1000|color	**48 x 3mm** (1.89" x 0.12")	**1.30** (2.87)	

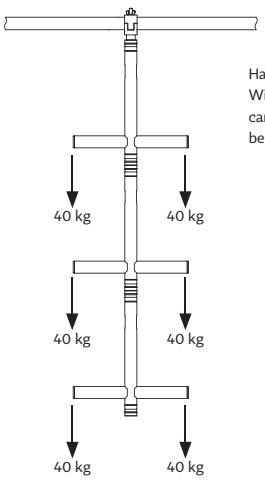
Modular Light Bar for attaching lights to hanging modular grid frames - 1000mm or 500mm.

MLA-X450x500|color

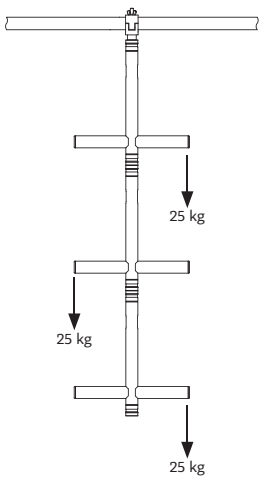
Code	Tube Ø	kg	lbs
MLA-X450x500|color	**48 x 3mm** (1.89" x 0.12")	**1.20** (2.65)	

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

Load assumptions

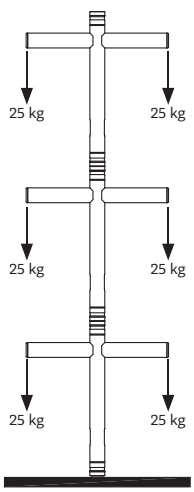


Hanging configuration:
With symmetrical load of 40 kg on every cantilever, a maximum of 14 T-frames may be hung one below the other.

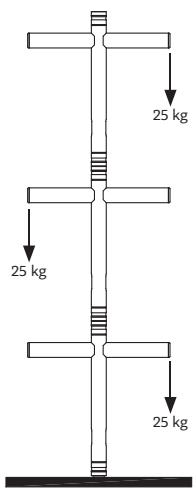


Hanging configuration:
With asymmetrical load of 25 kg on every cantilever, a maximum of 22 T-frames may be hung one below the other.

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.



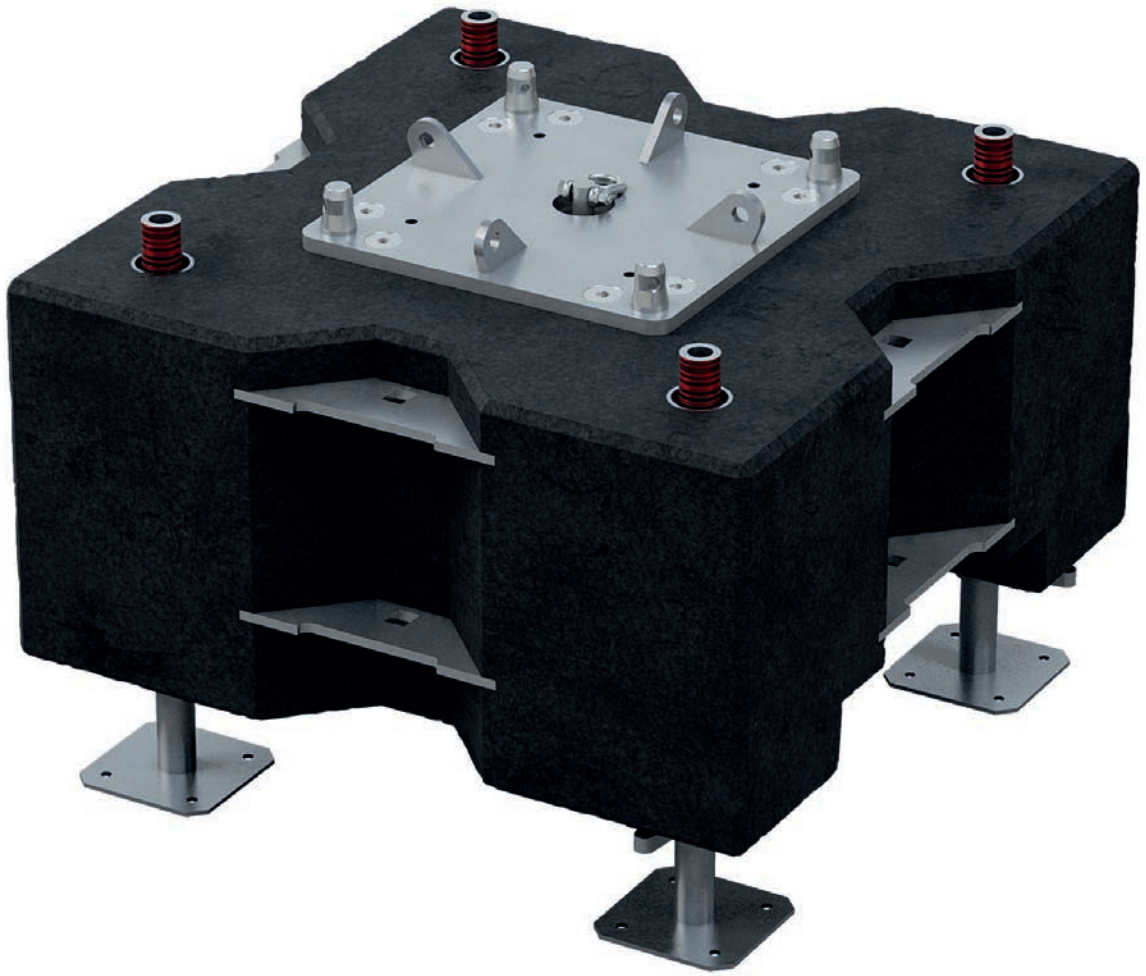
Standing configuration:
With asymmetrical load of 25 kg on one cantilever per piece, a maximum of 6 T-frames may be stacked on top of each other.

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

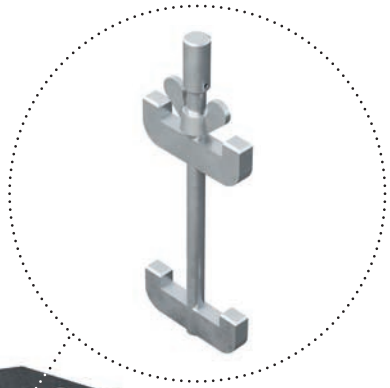
- Compact 800x800x400mm steel reinforced concrete block
- 550kg mass weight
- Inter-connectable to create heavier ballast with large footprint
- Stackable for extra weights/for easier transport
- Orientation free connection
- Inegrated screwjack sleeve tube for leveling
- Center hanging point for easy manipulation
- Fork lift pocket for easy moving/stacking
- M290 and M390 truss connection via thick steel plate including lugs for wires
- Black or natural concrete look /other colors on demand/



Connectible to create heavier ballast with large footprint

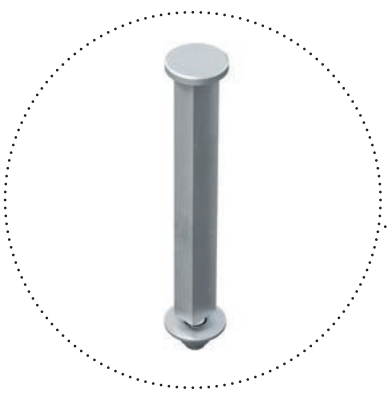
Horizontal connector

MCBB-CON-Horizontal

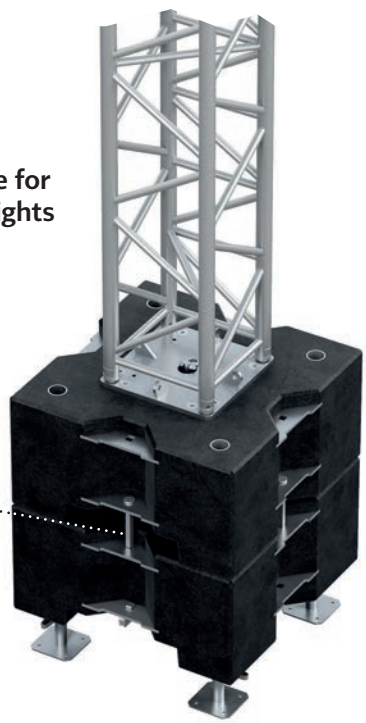


Vertical connector

MCBB-CON-Vertical



Stackable for extra weights



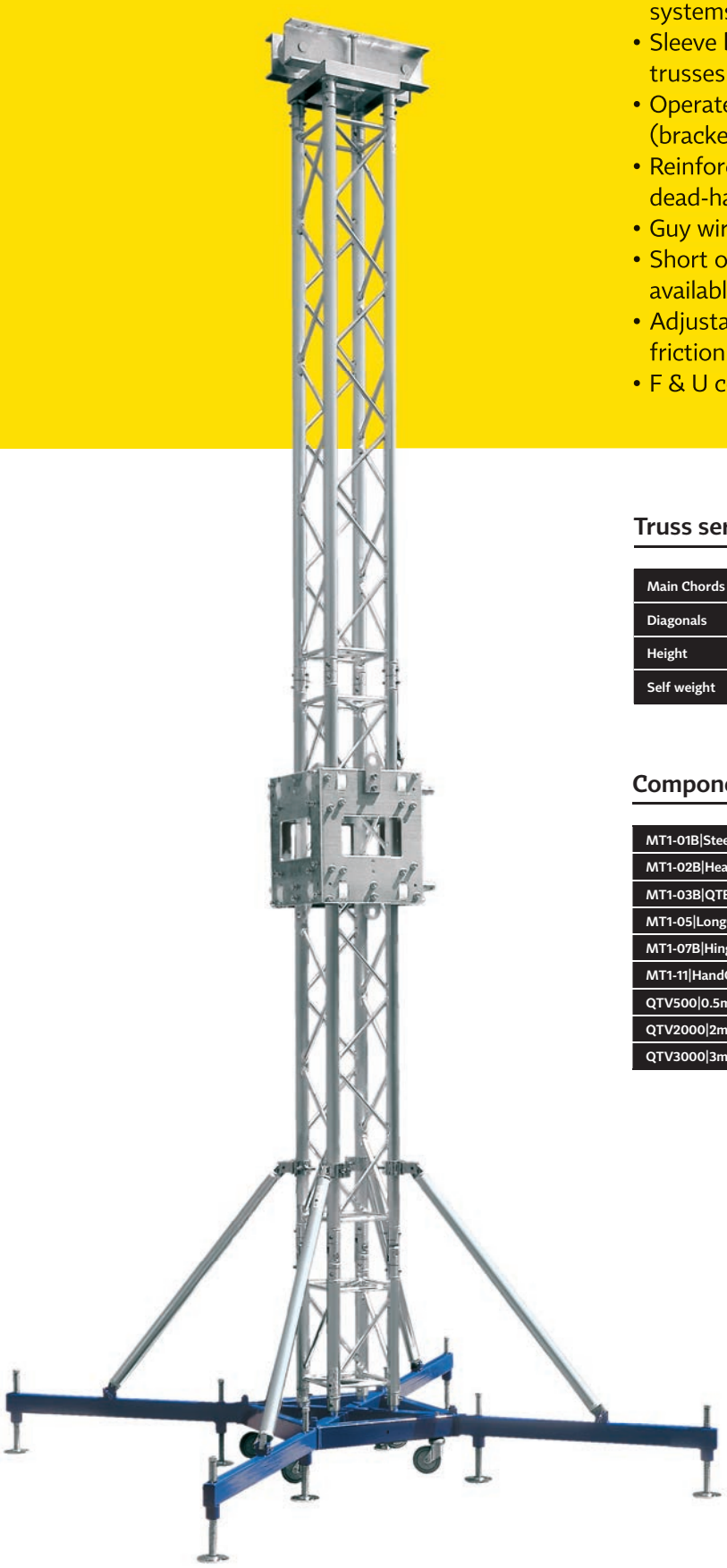
Towers

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

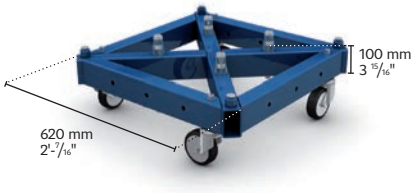


Truss series M290V

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

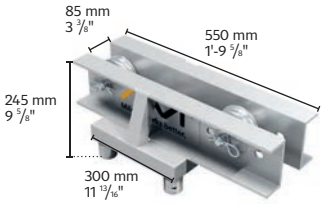


MT1-01B|SteelBase

kg lbs

Weight
33.00 (72.66)

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

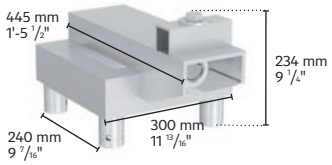


MT1-02B|HeadSection|forChain

kg lbs

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

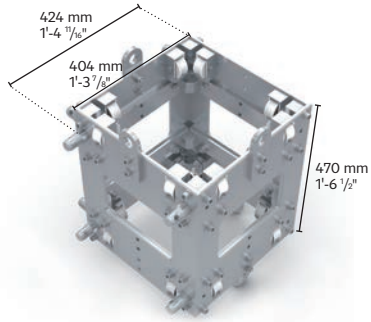


MT1-02B|HeadSection|LTG

kg lbs

Weight
8.00 (17.62)

Head section for steel wire
Fitted with dead hang hook



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

kg lbs

Weight
46.00 (101.29)

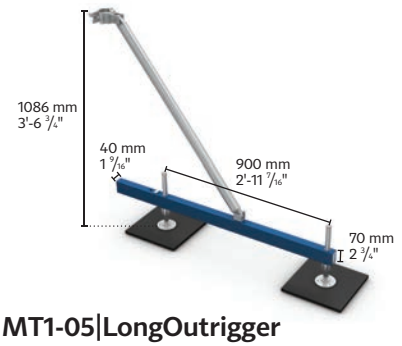
Sleeve block
Consists of 10mm (0.39´´) al. plates connected with steel components.
Can be attached to M290 & 390 Quatro

MT1-04|ShortOutrigger

kg lbs

Weight
5.00 (11.02)

Short outrigger
Including adjustable spindles, rubber pads

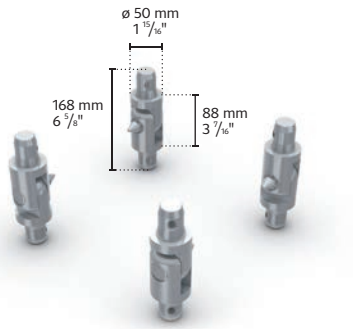


MT1-05|LongOutrigger

kg lbs

Weight
16.00 (35.23)

Long outrigger
1.2m (3.94´´) long, including adjustable spindles; rubber pads

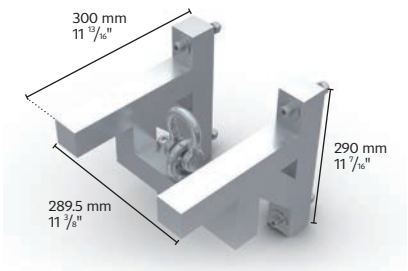


MT1-07B|SetHinge|4pcs

kg lbs

Weight
2.40 (5.28)

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

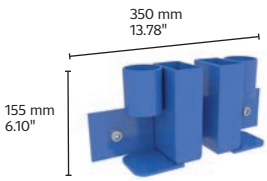


MT1-09|BracketForMotor|Sleeve

kg lbs

Weight
6.00 (13.21)

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

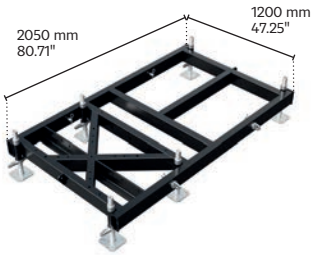


MT1-OutriggerHolder|2pcs

kg lbs

Weight
4.60 (20.00)

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

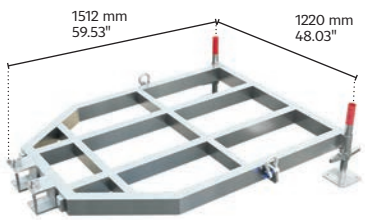


MT-IconBase-01|STEEL

kg lbs

Weight
156 (343)

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

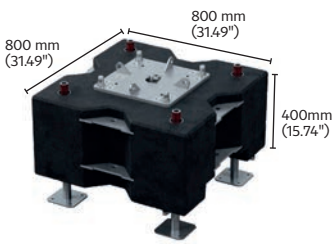


MT1-01|BallastBase

kg lbs

Weight
31.00 (68.34)

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



Concrete Ballast Base MCBB

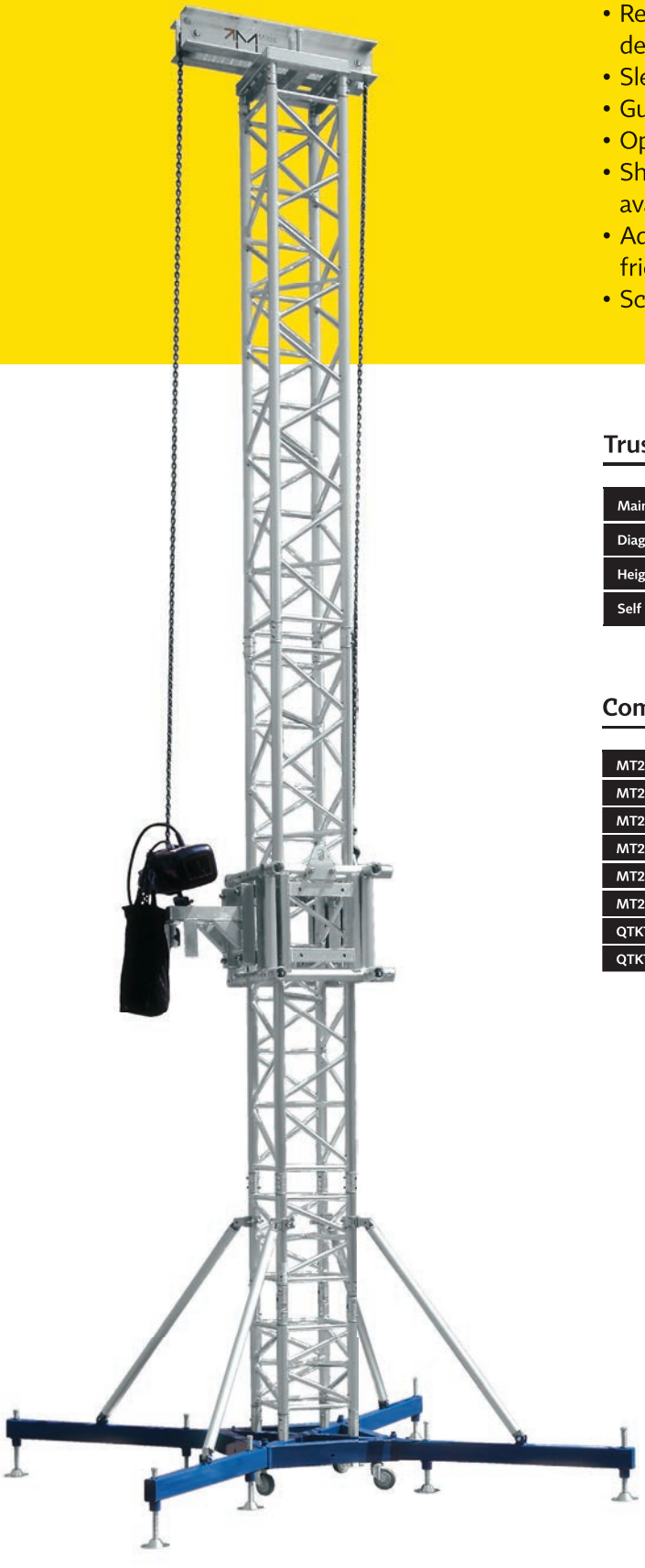
kg lbs

Weight
550 (249.47)

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

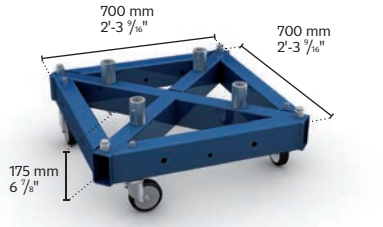


Truss series M390KT

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

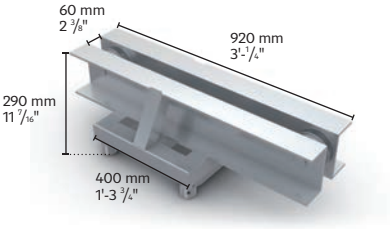


MT2-01B|SteelBase

kg lbs

Weight
42.00 (92.48)

Steel base
For use with M390KT QUATRO
Equipped with wheels for easy movement during setup.

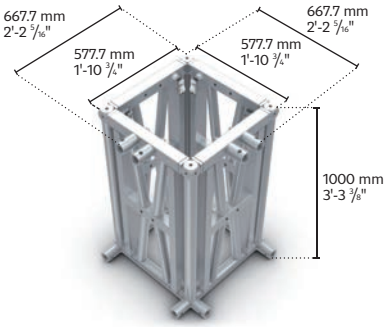


MT2-02B|HeadSection

kg lbs

Weight
25.00 (55.05)

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

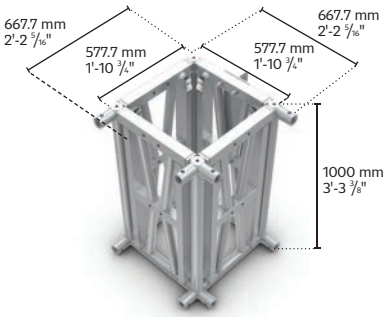


MT2-03|FTT|SleeveBlock

kg lbs

Weight
80.00 (176.37)

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

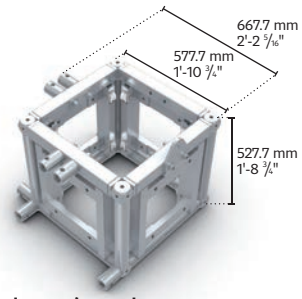


MT2-03|RTTH|SleeveBlock

kg lbs

Weight
80.00 (176.37)

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

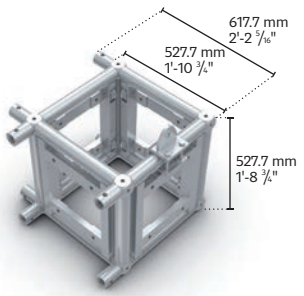


MT2-03|FTP/RTO|SleeveBlock

kg lbs

Weight
49.00 (107.90)

Sleeve Block FTP
Made with heavy-duty aluminium profiles connected with steel components
For use with rectangular M400 & folding M520

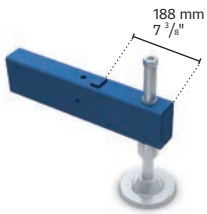


MT2-03|QTP/RTO|SleeveBlock

kg lbs

Weight
49.00 (107.90)

Sleeve block QTP
Made with heavy-duty aluminium profiles connected with steel components
For use with rectangular M400 & M520 QUATRO



MT2-04|ShortOutrigger

kg lbs

Weight
6.00 (13.21)

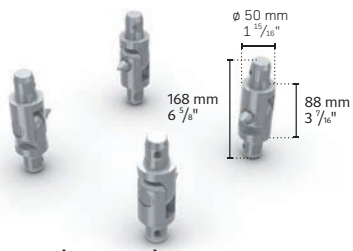
Short outrigger
Adjustable spindles; rubber pads

MT2-05|LongOutrigger

kg lbs

Weight
21.00 (46.24)

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

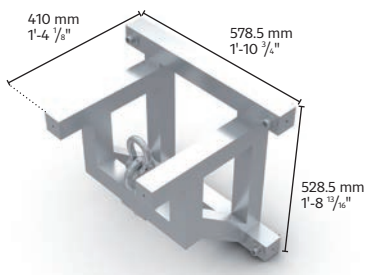


MT2-07B|Hinges|4pcs

kg lbs

Weight
2.40 (5.25)

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

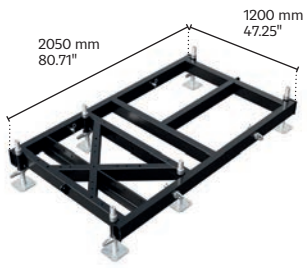


MT2-09|BracketForMotor|Sleeve

kg lbs

Weight
16.00 (35.26)

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

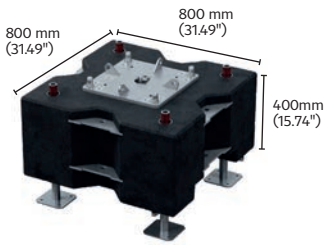


MT-IconBase-01|STEEL

kg lbs

Weight
156 (343)

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



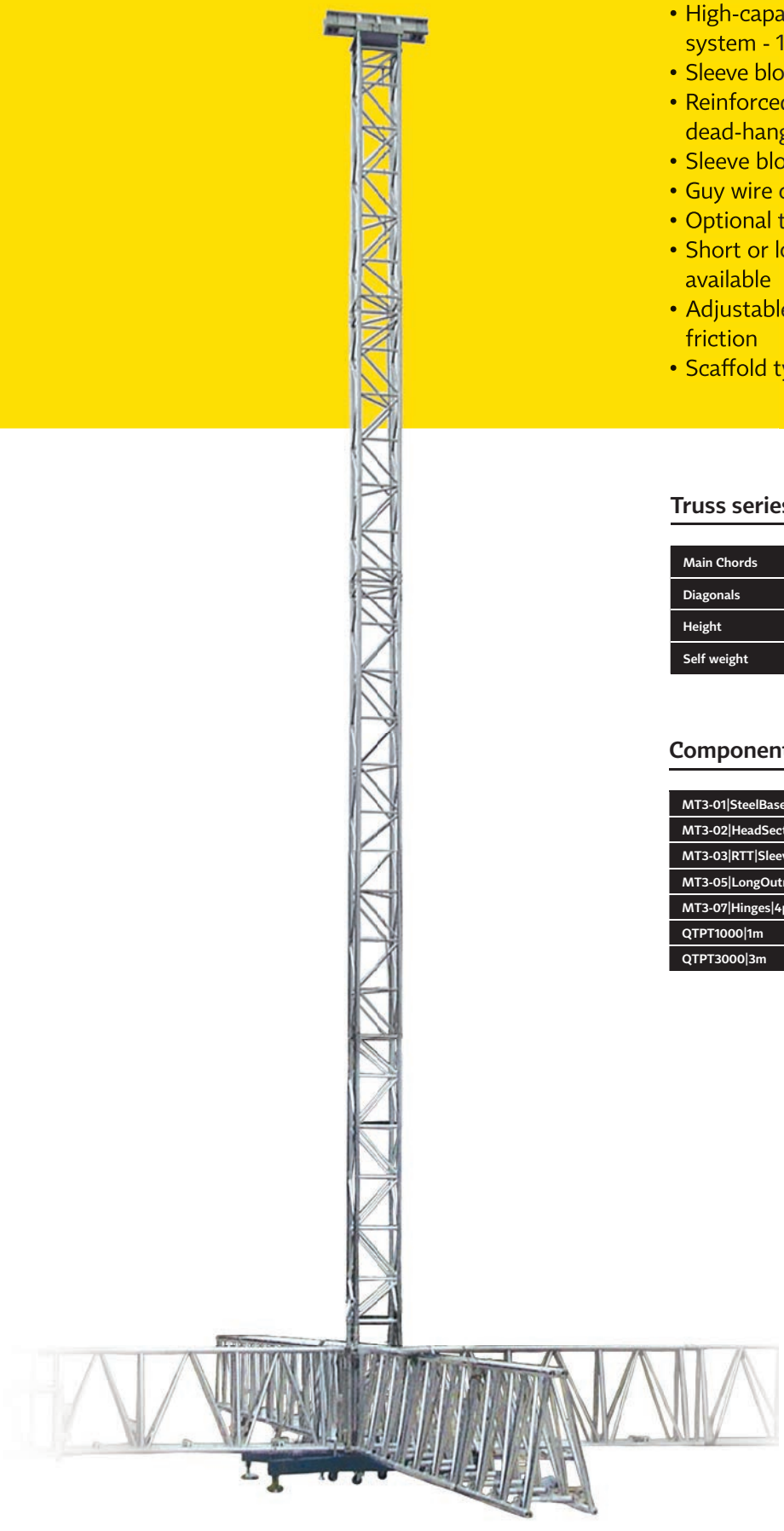
Concrete Ballast Base MCBB

kg lbs

Weight
550 (249.47)

M290/M390 tower option

MT3 tower



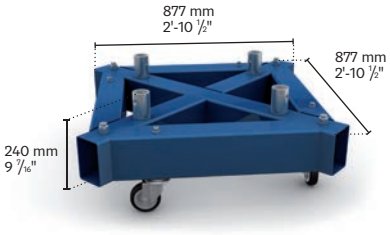
- High-capacity M520PT ladder truss series tower system - 13.5m (44.29 ft) standard height
- Sleeve block options for M400 & M520 & M950 ranges
- Reinforced head section with built-in feature for dead-hanging
- Sleeve block chain hoist connection bracket available
- Guy wire connection points via extra 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

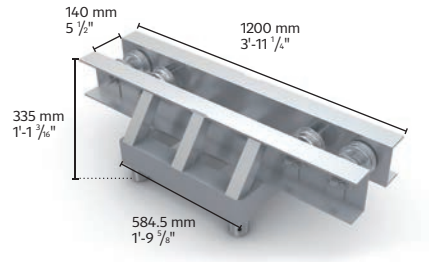
MT3-01|SteelBase	1 piece
MT3-02|HeadSection	1 piece
MT3-03|RTT|SleeveBlock	1 piece
MT3-05|LongOutrigger	4 pieces
MT3-07|Hinges|4pcs	1 set
QTPT1000|1m	1 piece
QTPT3000|3m	4 pieces



MT3-01|SteelBase

Weight
76.00 (167.35)

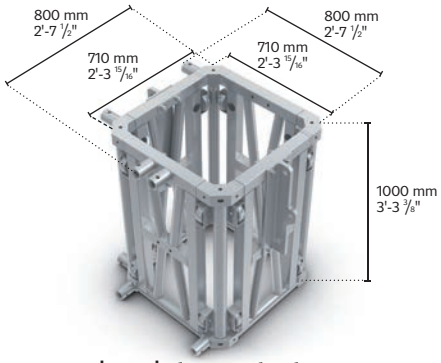
Steel base
For use with M520T QUATRO
Equipped with wheels for easy movement during setup.



MT3-02|HeadSection

Weight
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

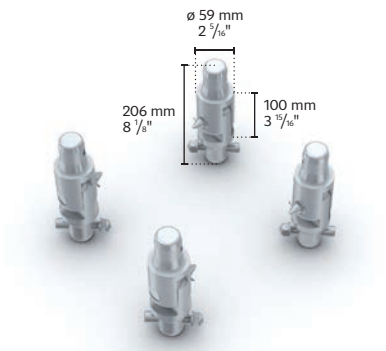
Weight
112.00 (246.62)

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

MT3-05|LongOutrigger

Weight
35.10 (77.29)

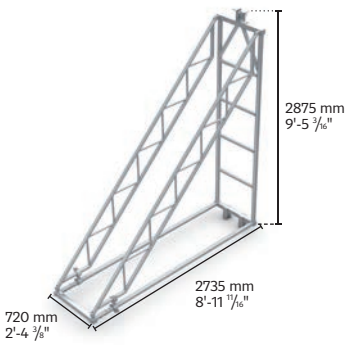
Long outrigger
1.4m (4.59′) long, including scaffold type spindles



MT3-07|Hinges|4pcs

Weight
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
81.00 (178.52)

Used for assistance in elevating the tower

MT3-10|FixSet

Weight
10.00 (22.20)

Used over MT3 mast top to secure the sleeve block

MT-PA5030 PA Fly Tower

- Compact, heavy-duty M290 truss series
- 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	48x3 (1.89x0.12)
Diagonals	mm	in	16x2 (0.62x0.08)
Height	m	ft	5 (16.4)
Self weight	kg	lbs	150 (331)
WLL	kg	lbs	300 (660)
Footprint	m	ft	2.5x2 (8.2x6.6)
Ballast required	kg	lbs	64-153

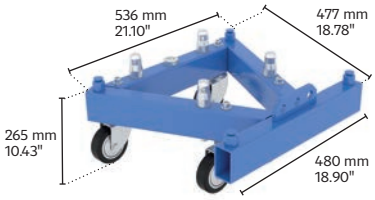
* See structural report

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

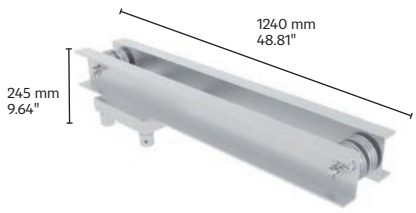
Design standards	DIN EN 13814	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
Wind management	In service	20 m/s - 72 km/h - 45 mph (Max.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



MT-PA5030-01|SteelBase

kg	lbs	Weight
		16.9 (37.3)

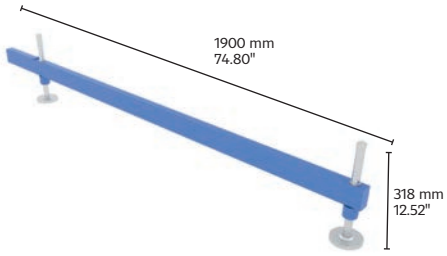
Steel base with wheels



MT-PA5030-02|HeadSection

kg	lbs	Weight
		23.5 (51.8)

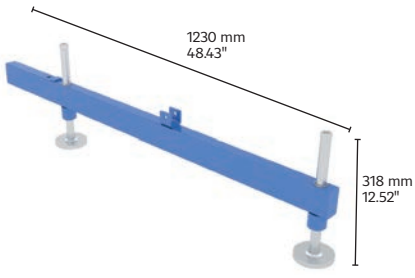
Fitted with steel pulleys for 7 - 8mm (0.28 - 0.31") chain



MT-PA5030|Leg

kg	lbs	Weight
		18.4 (40.6)

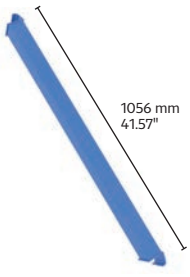
Including adjustable spindles



MT-PA5030-05|LongOutrigger

kg	lbs	Weight
		12.3 (27.1)

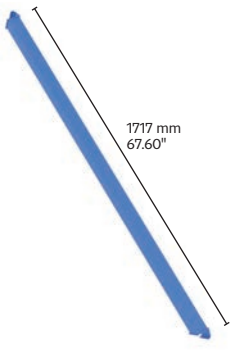
Including adjustable spindles



MT-PA5030|SpacerColor960

kg	lbs	Weight
		6.3 (13.9)

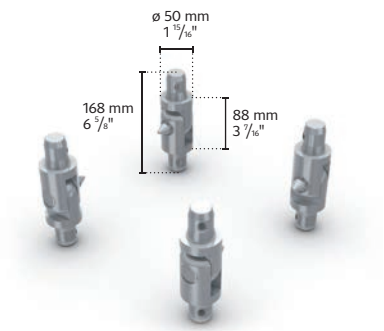
Spacer used as ballast base



MT-PA5030|SpacerColor1620

kg	lbs	Weight
		10.4 (22.9)

Spacer used as ballast base



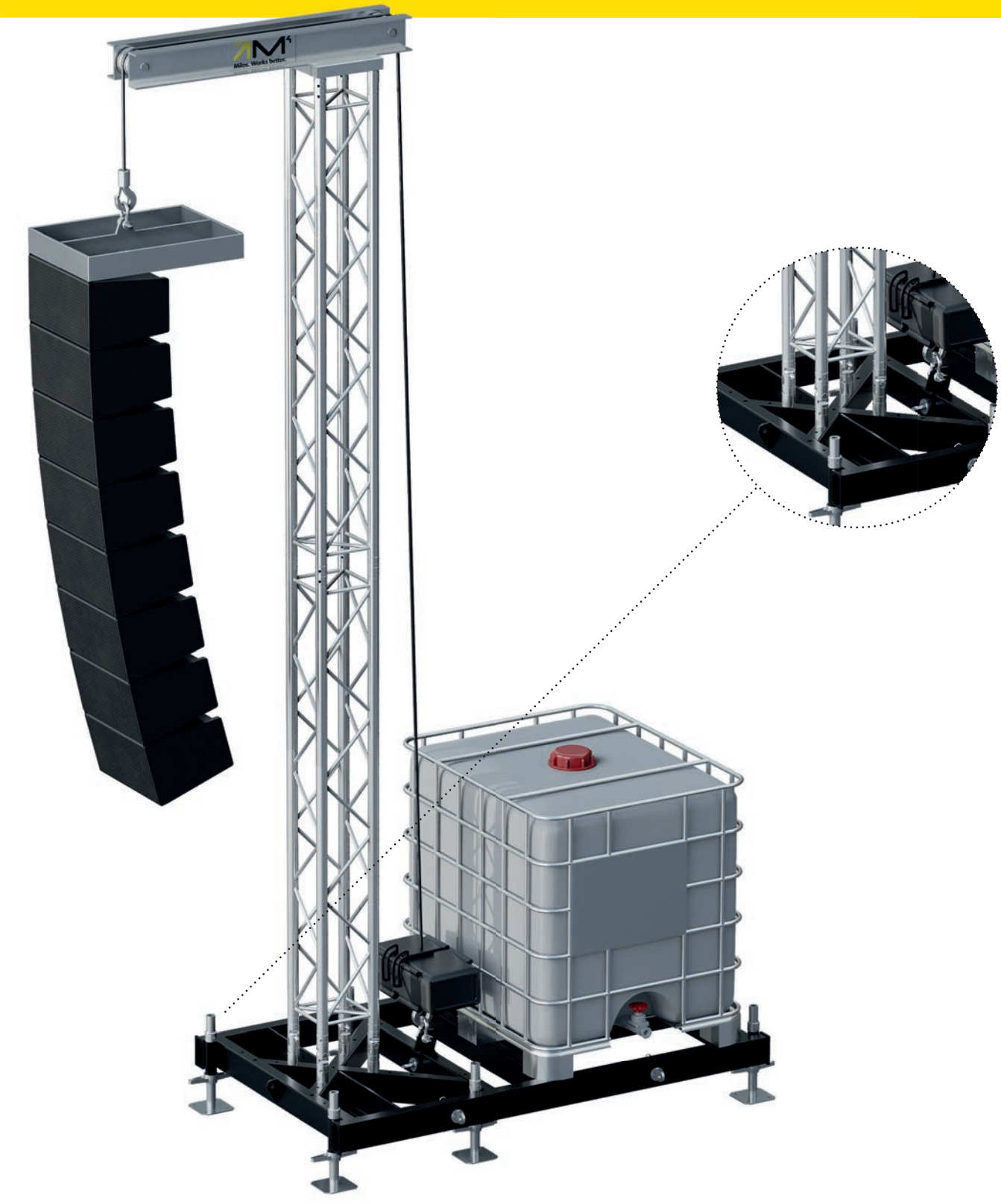
MT1-07B|SetHinge|4pcs

kg	lbs	Weight
		2.40 (5.28)

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

MT-ICON-PA

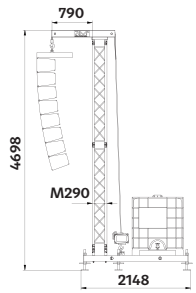
- Robust and stable due to steel MT-IconBase
- Ensures effective deployment of ballast
- Elevated hanging points
- Multiple attachment points on base
- Compact footprint
- Manual or electric hoist can be used on head-section or icon base connection
- Erecting helper available
- Spindle feet with large 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
Trus M290	4 m (13.12 ft)

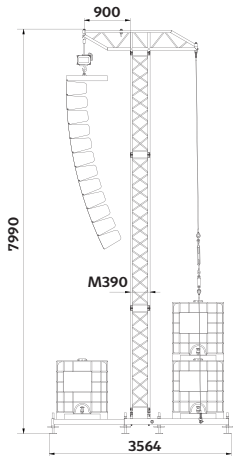
WLL	kg	lbs	**400 (881.85)**
Selfweight	kg	lbs	**220 (485.01)**
Height	m	ft	5 (16.40)
Footprint	m	ft	2.15 x 1.2 (7.05x3.93)
Ballast reguired	kg	lbs	1000 (2204,62)



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)

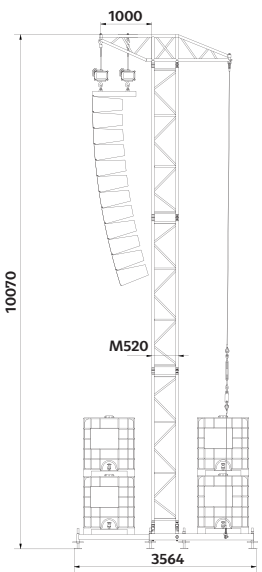
WLL	kg	lbs	**800 (1763.69)**
Selfweight	kg	lbs	**310 (683.43)**
Height	m	ft	8 (26.24)
Footprint	m	ft	3.5 x 1.2 (10.33x3.93)
Ballast reguired	kg	lbs	3000 (6613.86)

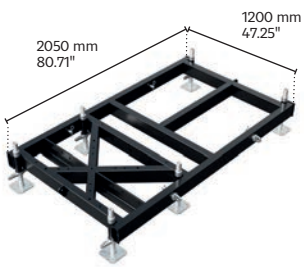


MT-ICON-PA100100

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	**410 (903.89)**
Height	m	ft	10 (32.80)
Footprint	m	ft	3.5 x 1.2 (10.33x3,93)
Ballast reguired	kg	lbs	4000 (8818.49)





MT-IconBase-01|STEEL

kg lbs

Weight
156 (343)

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

MT- Icon Base Long Outrigger

kg lbs

Weight
21 (46.29)

Outrigger extension arm

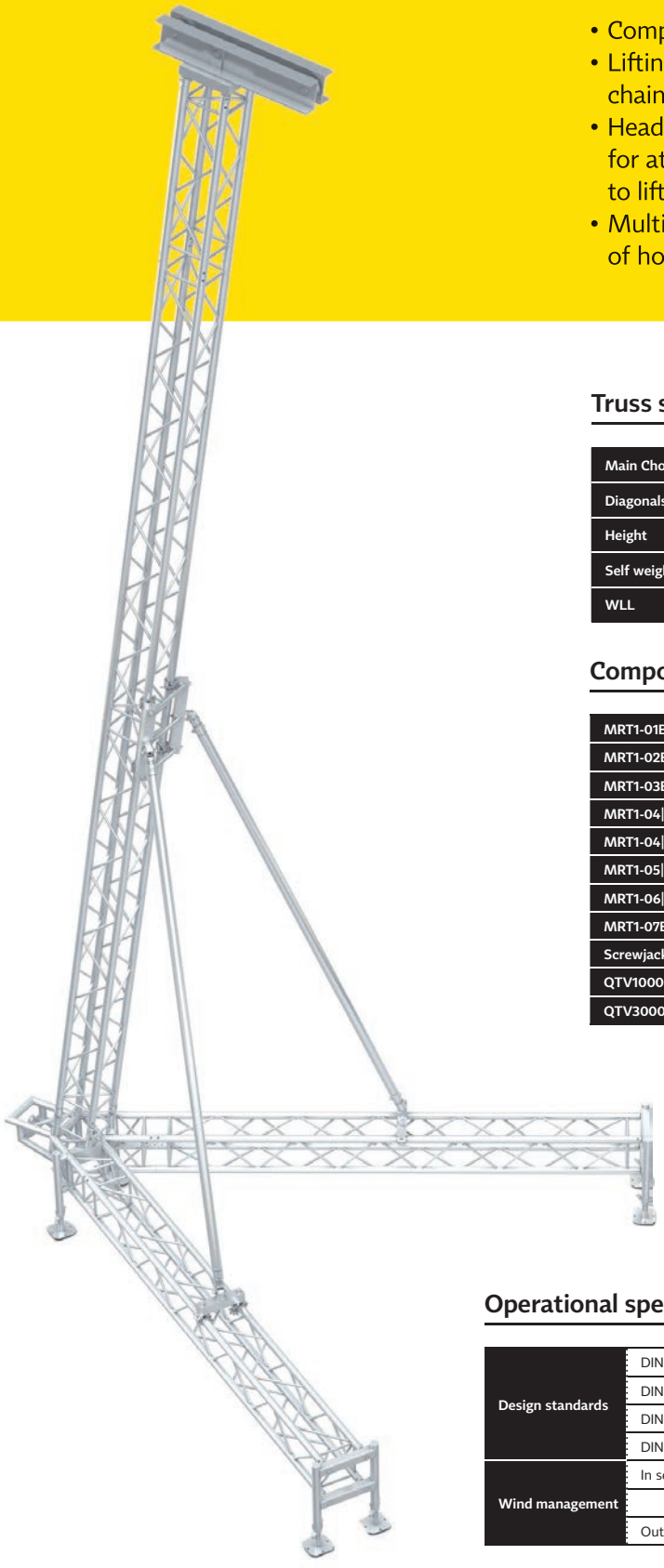
MT- Icon Base Hanger

kg lbs

Weight
3.2kg (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	48x3 (1.89x0.12)
Diagonals	mm / in	16x2 (0.62x0.08)
Height	m / ft	8 (26.3)
Self weight	kg / lbs	178 (392)
WLL	kg / lbs	750 (1653)

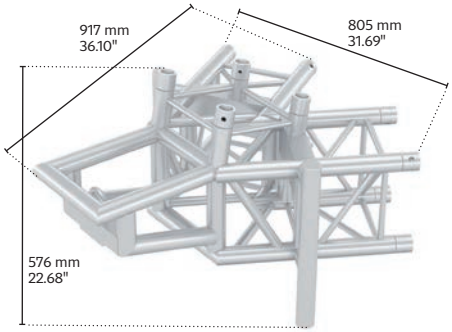
Components for MRT1 8m tower

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 m² front size and 2,5 m² side size → ballast 250 kg per end of long legs + 320 kg on back side
	750 kg payload with 3,0 m² front size and 2,5 m² side size → ballast 1000 kg centric on a cross beam placed on top of the legs
	400 kg payload with 1,5 m² front size and 1,0 m² side size → ballast 500 kg centric on a cross beam placed on top of the legs

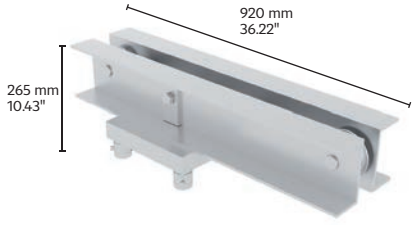


MRT1-01B|BaseCorner

kg lbs

Weight
10.8 (23.8)

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



MRT1-02B|HeadSection

kg lbs

Weight
14.5 (32)

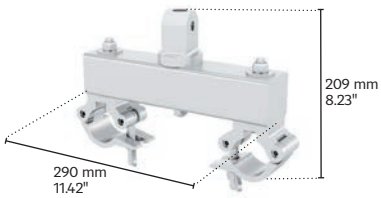
Fitted with steel pulleys for 7 - 8mm (0.28-0.31") chain

MRT1-03B|ScrewjackAdapter

kg lbs

Weight
6.5 (14.3)

Adapter stand for screwjacks

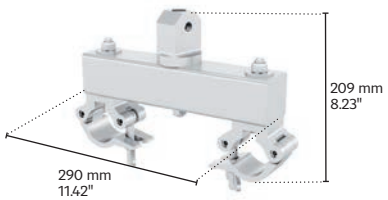


MRT1-04|StabilizerHorizontalR

kg lbs

Weight
2.6 (5.7)

Stabiliser attachment horizontal Right

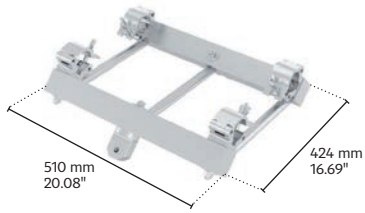


MRT1-04|StabilizerHorizontalL

kg lbs

Weight
2.6 (5.7)

Stabiliser attachment horizontal Left

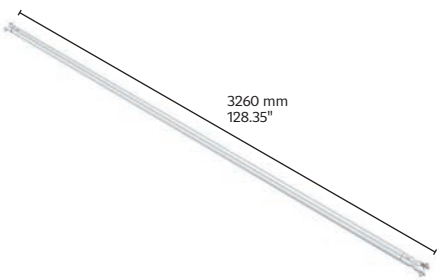


MRT1-05|StabilizerVertical

kg lbs

Weight
7.5 (16.5)

Stabiliser attachment vertical

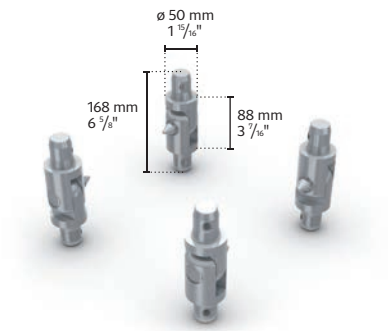


MRT1-06|StabilizerTube

kg lbs

Weight
10.8 (23.8)

Stabiliser tube 60x6 mm



MRT1-07B|Hinges|4pcs

kg lbs

Weight
00.0 (00.00)

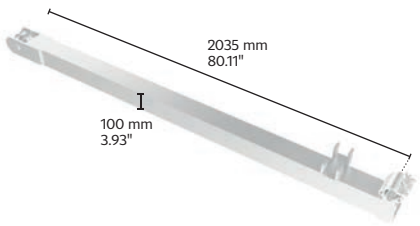
xxx

ScrewjackTR38x1-590

kg lbs

Weight
3.2 (7)

Screwjack



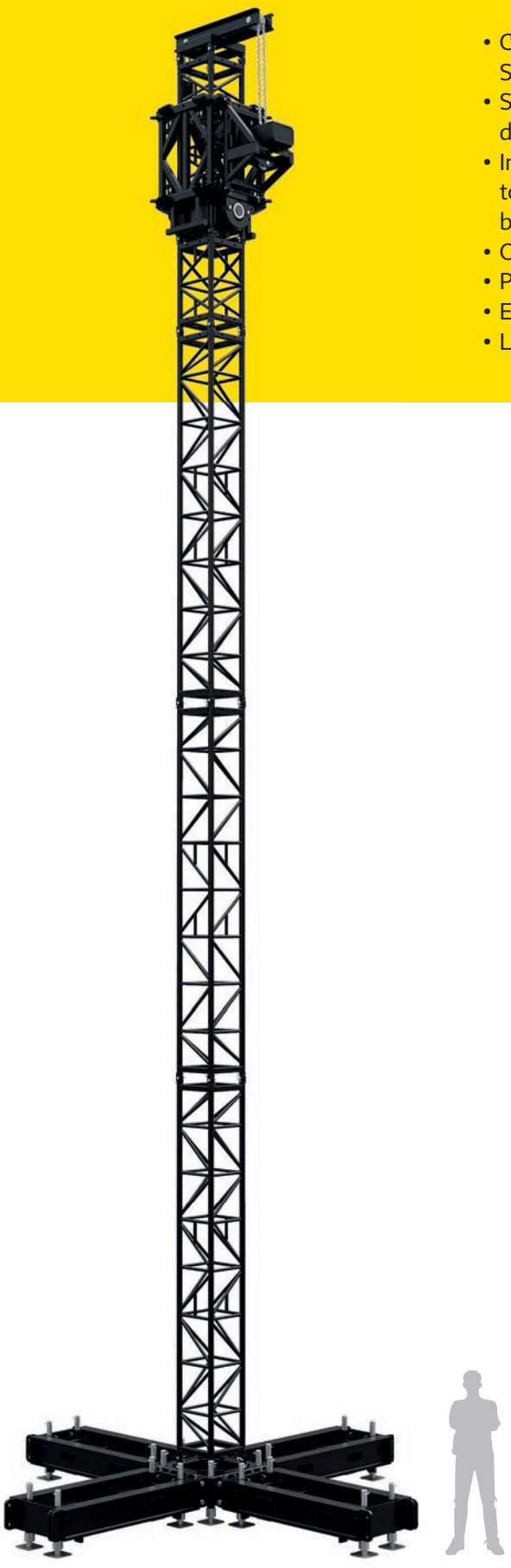
MRT1 Helper

kg lbs

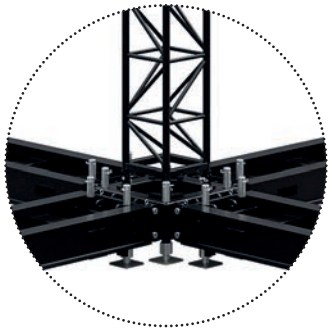
Weight
21.00 (46.29)

Used for assistance in elevaiting the tower

S-MT-P Steel tower



- Constructed with MILOS S-QTPT Ultra-High-Strength Steel Truss (530x530mm: 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

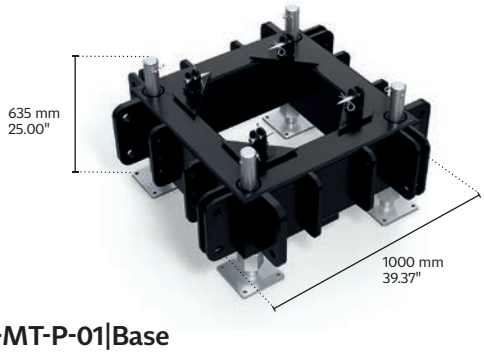


S-MT-P-16 Steel tower

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

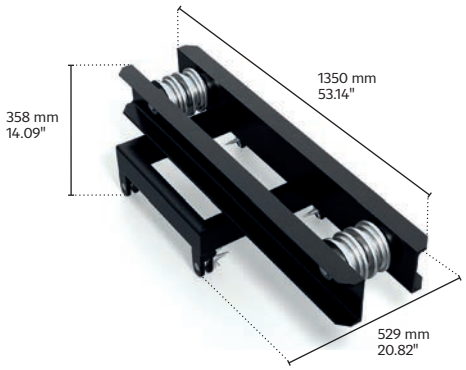
S-MT-P-01-Base	1 piece
S-MT-P-02-Head	1 piece
S-MT-P-03-Sleeve	1 piece
S-MT-Q-05-Outrigger2000	4 piece
S-MT-P-Bracket	1 piece
S-MT-P-10-Locking	1 piece
S-QTPT 4000	3 piece
S-QTPT 1000	2 piece



S-MT-P-01|Base

Series	kg	lbs
S-MT-P-01-BASE	**390 kg** (859.80 lbs)	

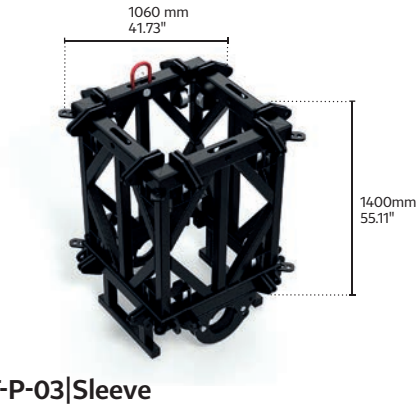
A robust steel base that is compatible with our steel S-QTPT truss. It includes large steel spindles and high-grade steel outrigger connections on all sides for providing extra strength and stability to the tower.



S-MT-P-02|HeadSection

Series	kg	lbs
S-MT-P-02-HEAD	**100 kg** (220.46 lbs)	

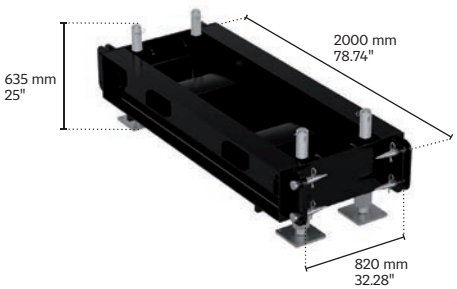
A steel tower top section fitted with a double aluminium pulley system equipped with heavy-duty bearings.



S-MT-P-03|Sleeve

Series	kg	lbs
S-MT-P-03-Sleeve	**380 kg** (837.75 lbs)	

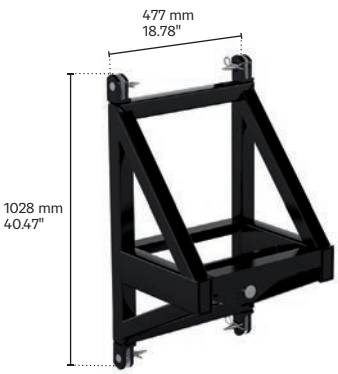
A four-way, heavy-duty steel sleeve block for use with our S-QTPT Tower.



S-MT-Q-05|Outrigger2000

Series	kg	lbs
S-MT-Q-05-Outrigger	**440 kg** (970.03 lbs)	

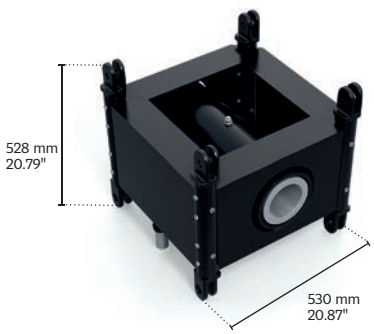
This heavy-duty steel outrigger provides extra stability for your steel towers. It comes with four large spindles and features a wide range of lengths for added flexibility for construction of stable grids.



S-MT-P-09|Bracket

Series	kg	lbs
S-MT-P-09-BRACKET	**70kg** (154.32lbs)	

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



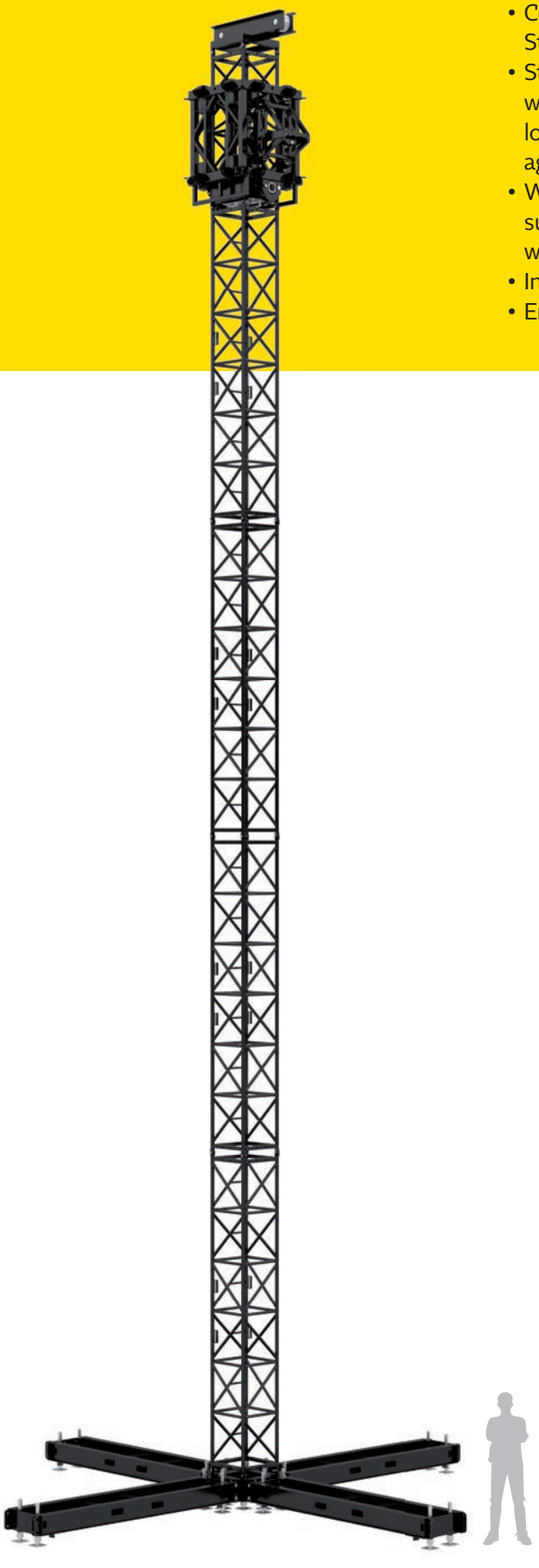
S-MT-P-10|LockingUnit

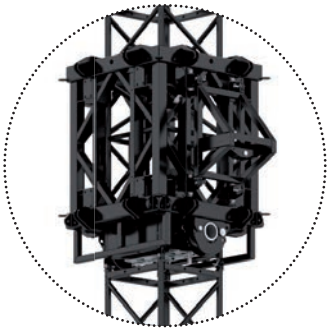
Series	kg	lbs
S-MT-P-10-Lock	**200kg** (440.92lbs)	

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 (780x780mm, 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



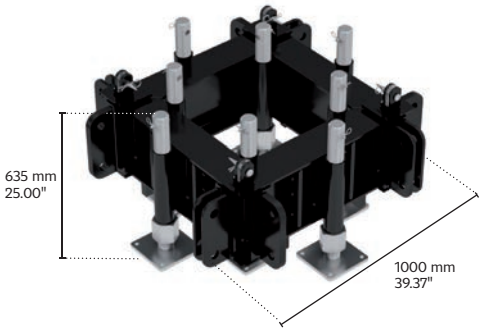


S-MT-Q Steel tower

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

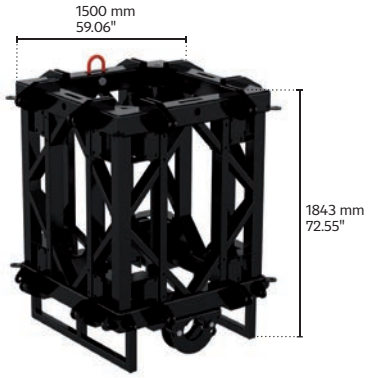
S-MT-Q-01-Base	**1 piece**
S-MT-Q-02-Head	**1 piece**
S-MT-Q-03-Sleeve	**1 piece**
S-MT-Q-05-Outrigger4000	**4 pieces**
S-MT-Q-09-Bracket	**1 piece**
S-MT-Q-10-Lock_450	**1 piece**
S-QTQT5000|5m	**4 pieces**
S-QTQT2000|2m	**1 piece**



S-MT-Q-01|Base

Series	kg	lbs
S-MT-Q-01-BASE	**495 kg** (1091.28 lbs)	

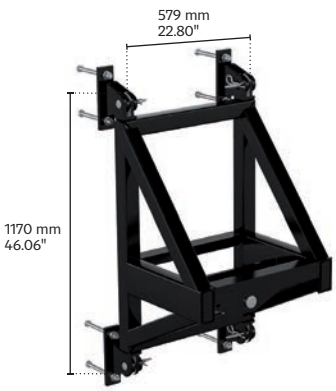
A robust steel base that is compatible with our steel S-QTQT truss. It includes 8 large steel spindles and high-grade steel outrigger connections on all sides for providing extra strength and stability to the tower.



S-MT-Q-03|Sleeve

Series	kg	lbs
S-MT-Q-03-Sleeve	**1050 kg** (2314.85 lbs)	

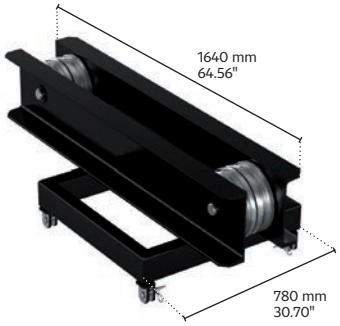
A four-way, heavy-duty steel sleeve block for use with our S-QTQT Tower. Can be attached with S-RTW truss or S-RTD truss via our S-MT-Q-03 Forks set.



S-MT-Q-09|Bracket

Series	kg	lbs
S-MT-Q-09-BRACKET	**85 kg** (187.39 lbs)	

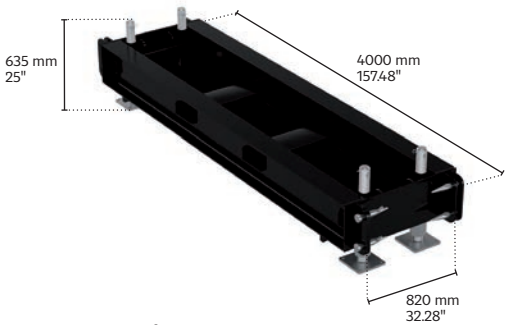
A universal chain hoist attachment point for the safe and easy mounting of up to 2.5 ton chain hoists to the sleeve block. It has the same axis dimensions as S-RTD steel truss, fits inside S-RTW steel truss and allows lifting of up to 10 tons using a double-reeve setup.



S-MT-Q-02|HeadSection

Series	kg	lbs
S-MT-Q-02-HEAD	**260 kg** (573.20 lbs)	

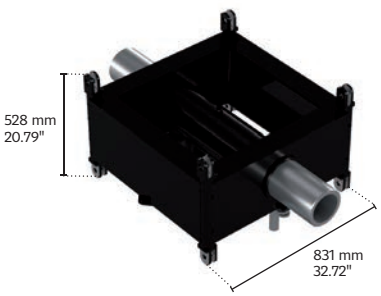
A steel tower top section fitted with a double aluminium pulley system equipped with heavy-duty bearings.



S-MT-Q-05|Outrigger4000

Series	kg	lbs
S-MT-Q-05-Outrigger	**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.

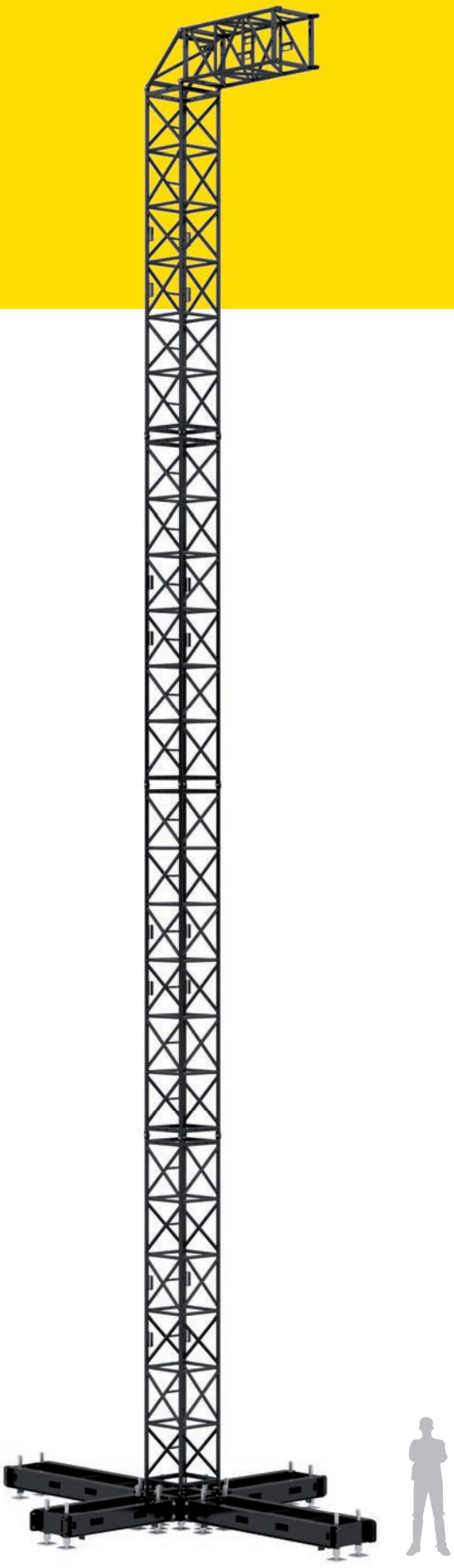


S-MT-Q-10|LockingUnit

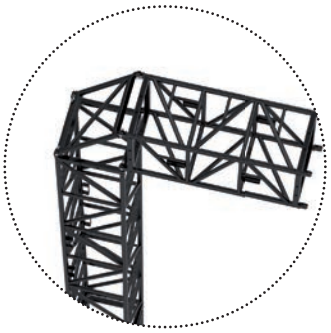
Series	kg	lbs
S-MT-Q-10-Lock 450	**279 kg** (615.10 lbs)	

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:

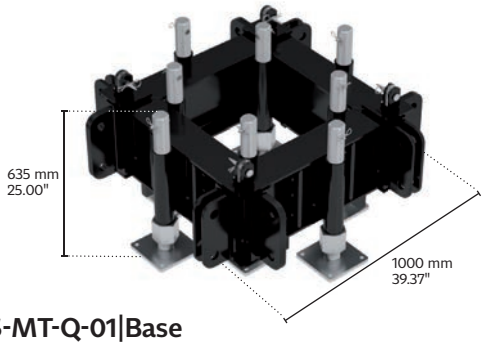
Front face of PA:	m / ft	**10 m²** (32.00ft)
Side face of PA:	m / ft	**5m² max.** (16.40ft)
Loading capacity:	kg / lbs	**2.500 kg**

S-MT-PA

Main Chords	mm / in	**60.3x4** (2.37 x 0.16)
Diagonals	mm / in	**48.3x3.2** (1.9 x 0.1)
Height	m / ft	**21.3 (69.88)**
Self weight	kg / lbs	**3 850 (8487)**

Components for Tower

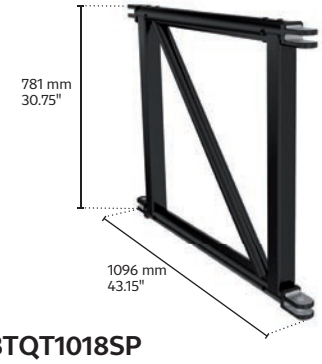
S-MT-Q-01|Base	1 piece
S-MT-Q-05|Outrigger2000	2 pieces
S-MT-Q-05|Outrigger3000	2 pieces
S-QTQT5000|5m	4 pieces
S-BTQT1018sp	1 piece
S-QTQT2000|2m	1 piece



S-MT-Q-01|Base

Series	kg lbs
S-MT-Q-01-BASE	**495 kg** (1091.28 lbs)

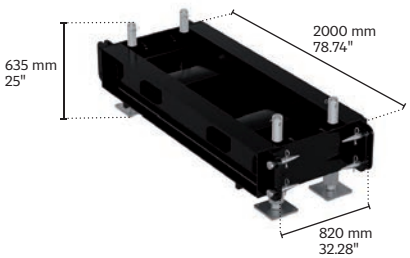
A robust steel base that is compatible with our steel S-QTQT truss. It includes 8 large steel spindles and high-grade steel outrigger connections on all sides for providing extra strength and stability to the tower.



S-BTQT1018SP

Series	kg lbs
S-BTQT1018sp	**35** (77.16)

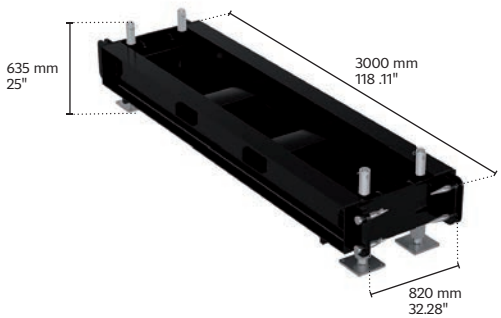
The S-BTQT1018sp provides strong support for the cantilever on the Steel PA Tower.



S-MT-Q-05|Outrigger2000

Series	kg lbs
S-MT-Q-05|Outrigger2000	**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-Q-05|Outrigger3000

Series	kg lbs
S-MT-Q-05|Outrigger3000	**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

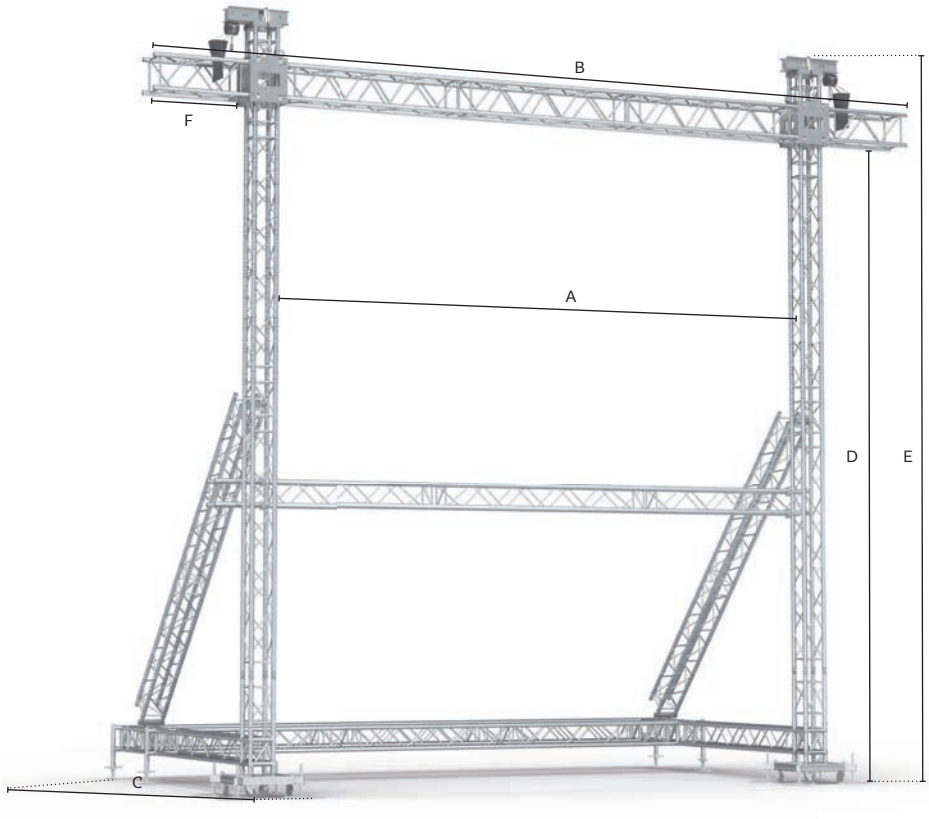
LED screen structures

Raise your loads

Use QR code for full range

LSG0 LED screen structure

- Compact, self climbing LED tower with integrated ballast platform
- MT1 towers with central M390 bridge & M290 rear stabilising base frame
- Obstruction-free viewing for audience
- 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

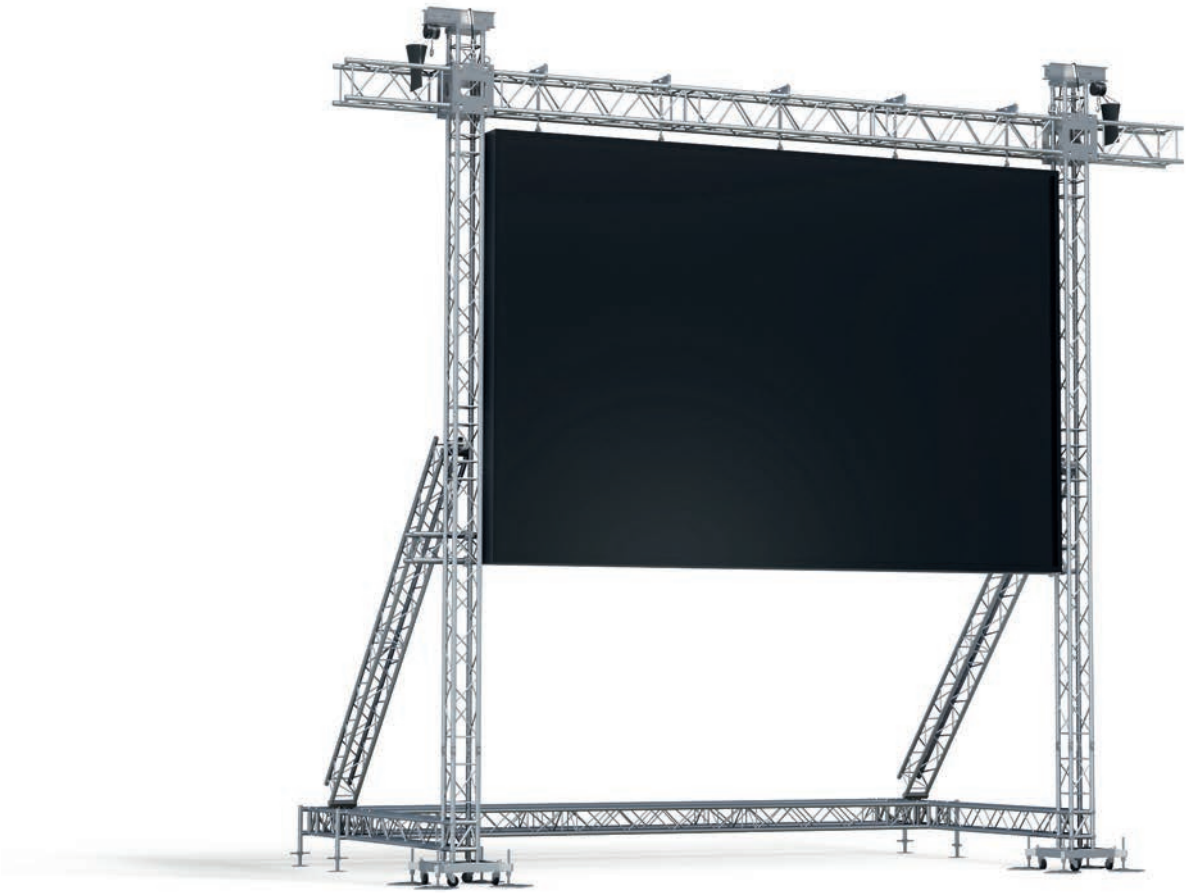


Technical specifications

		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** (551lbs/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

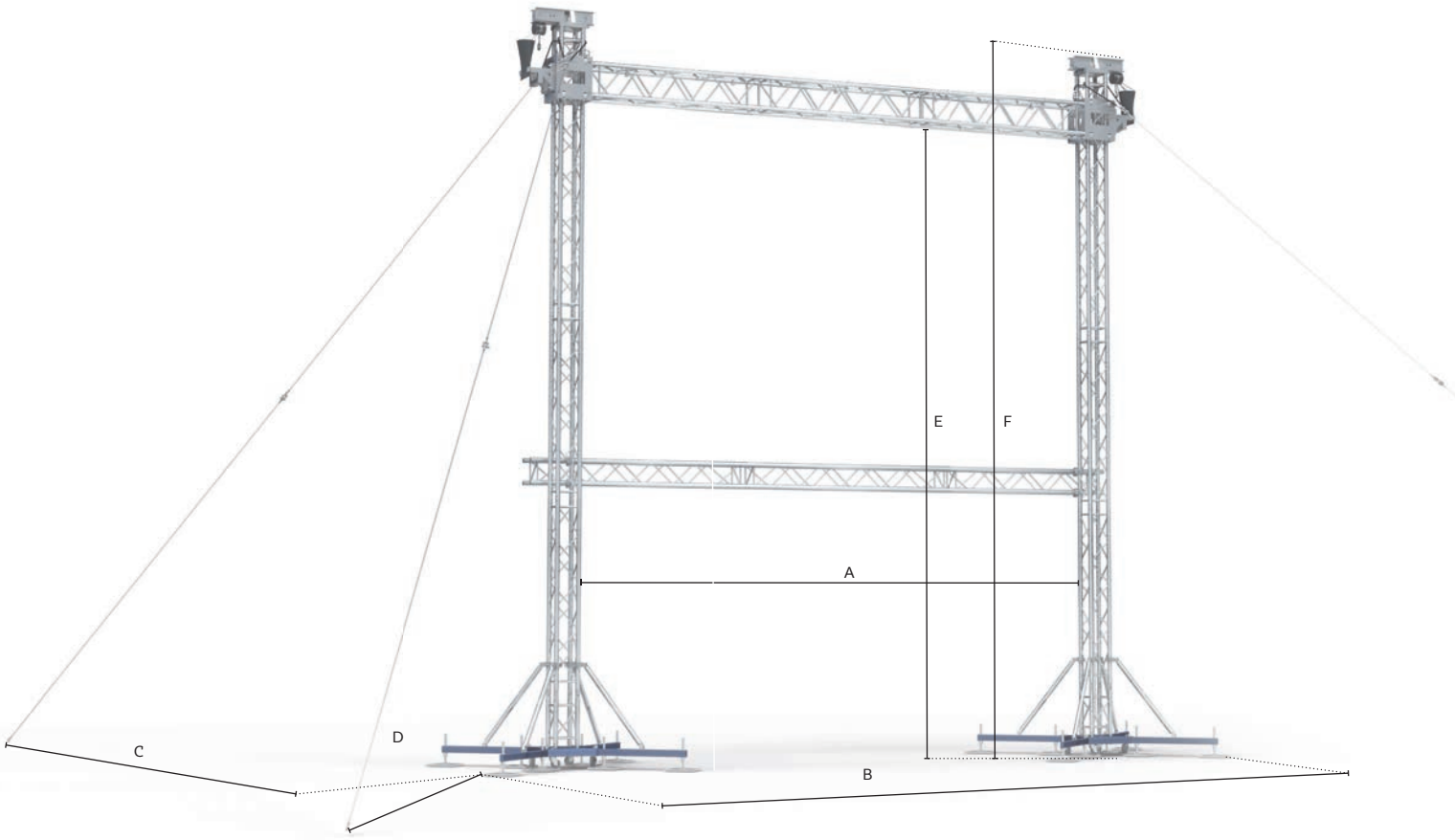
Design standards	DIN EN 13814 (2012)	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures / wind
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
	• All of our structures are produced under 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

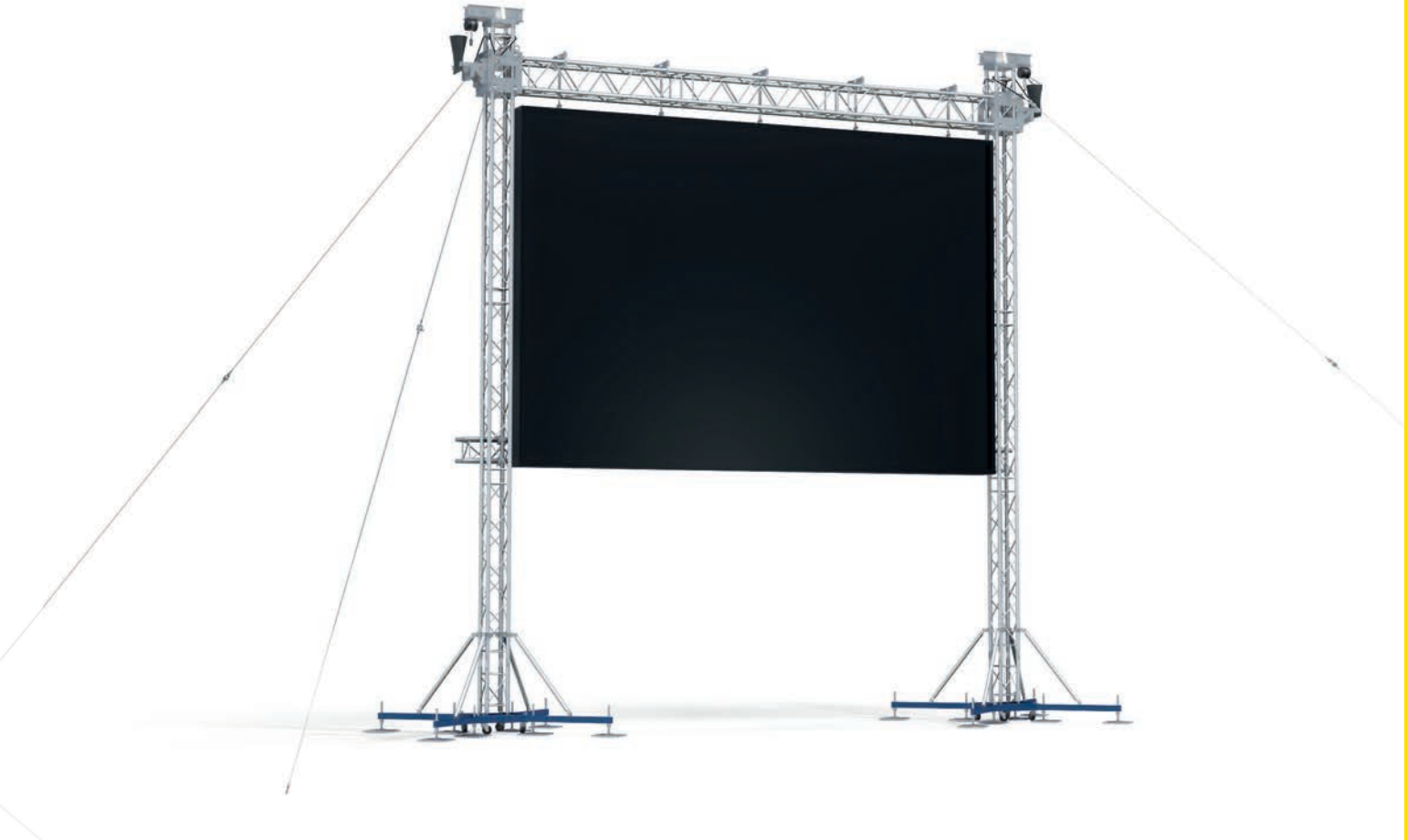


Technical specifications

		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	**2.23** (7.32)	**2.23** (7.32)	**2.05** (6.72)
	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 (26.24x14.76ft)	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

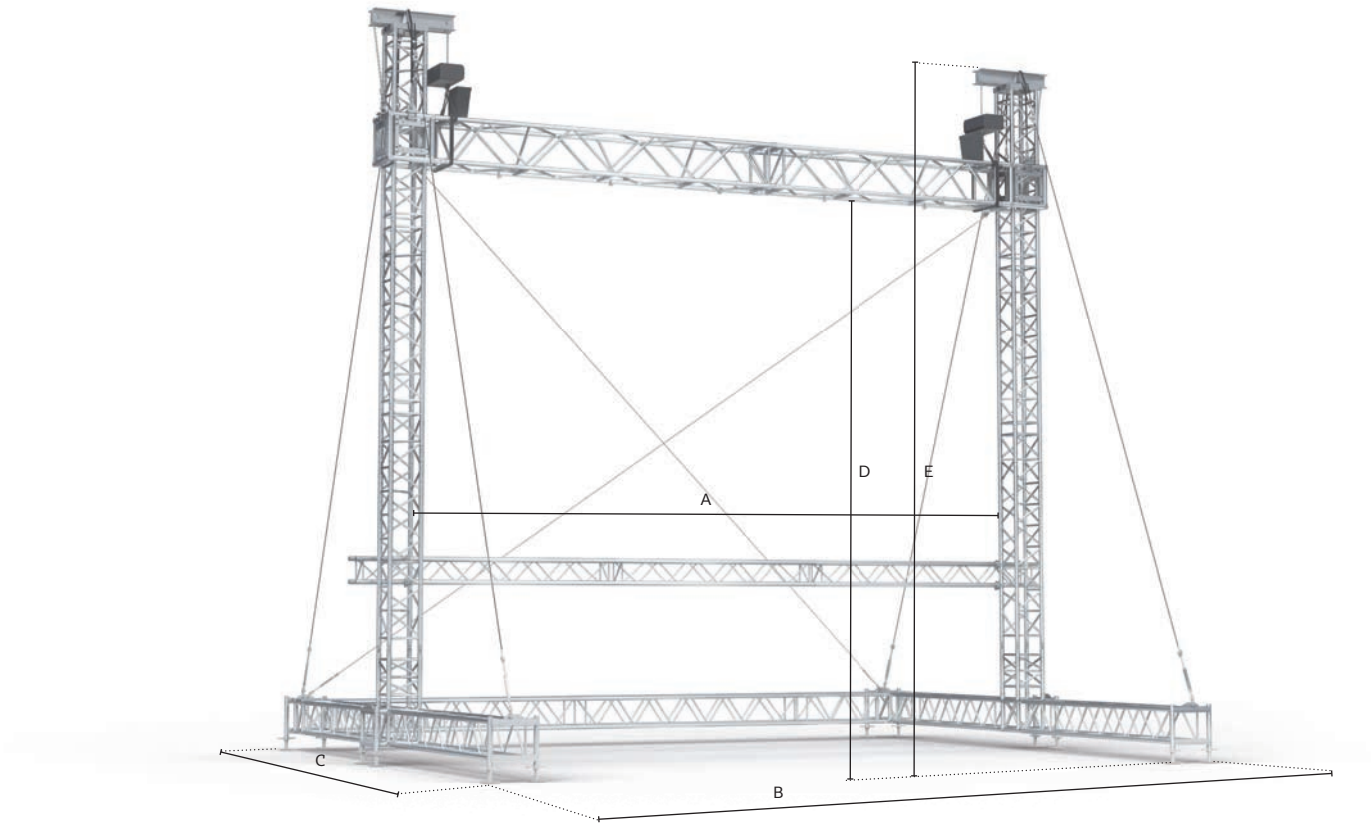
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	Max. wind speed incl. screen	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

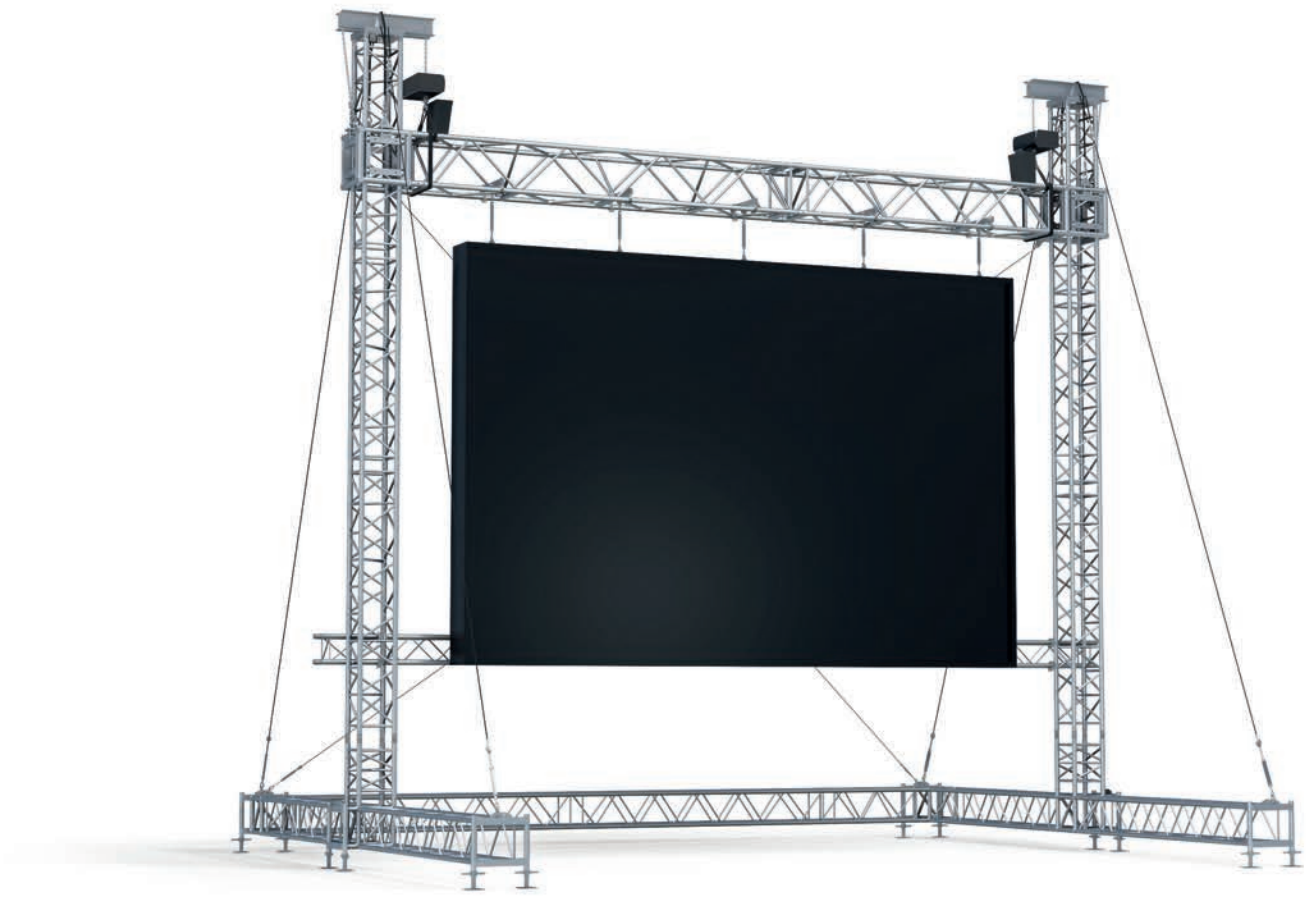


Technical specifications

		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

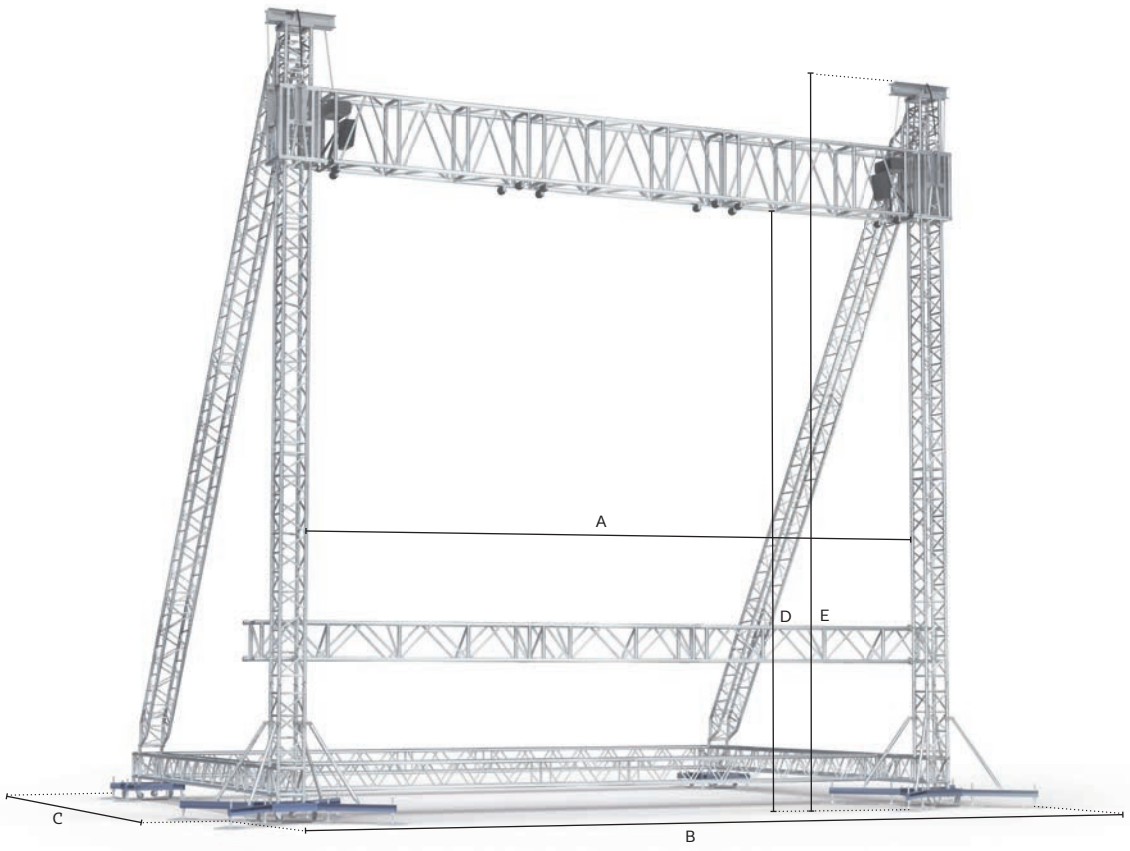
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	Max. wind speed incl. screen	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

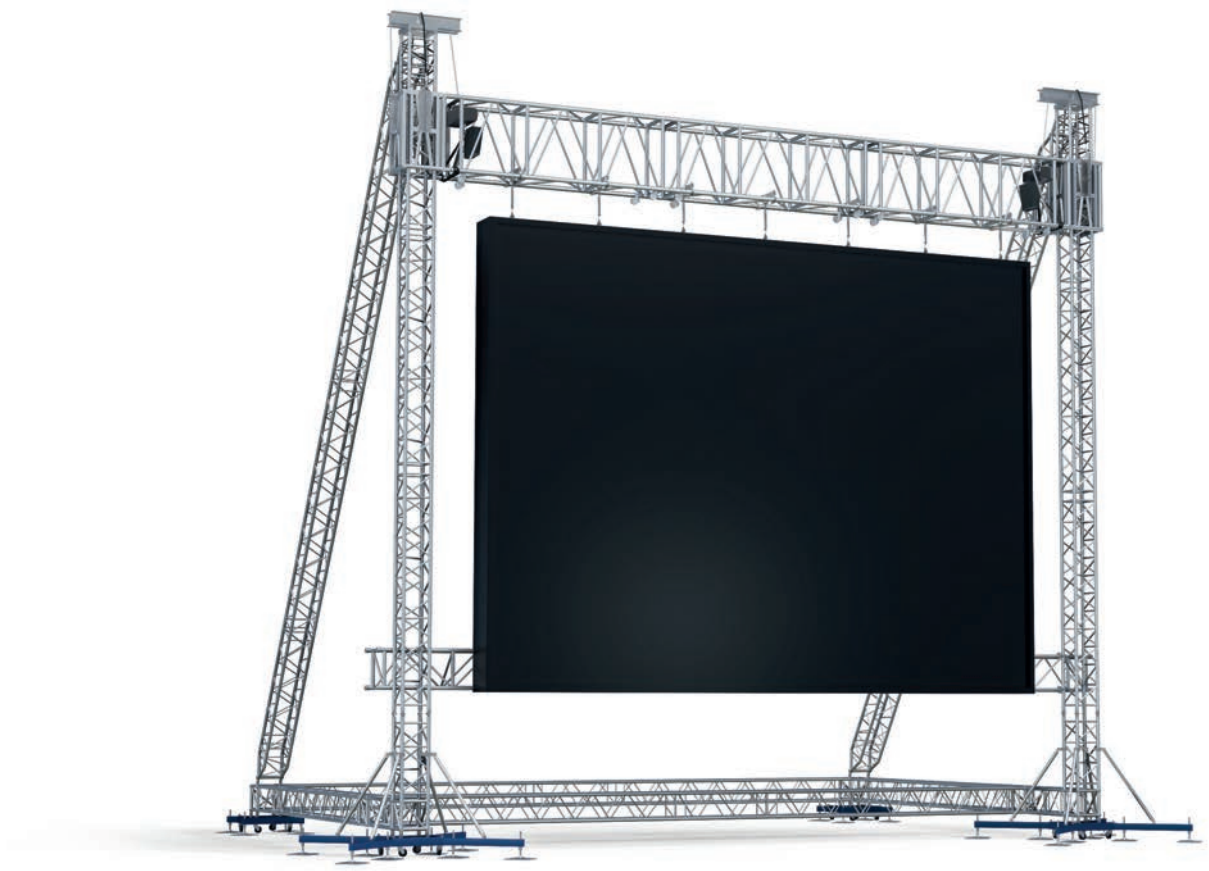


Technical specifications

		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

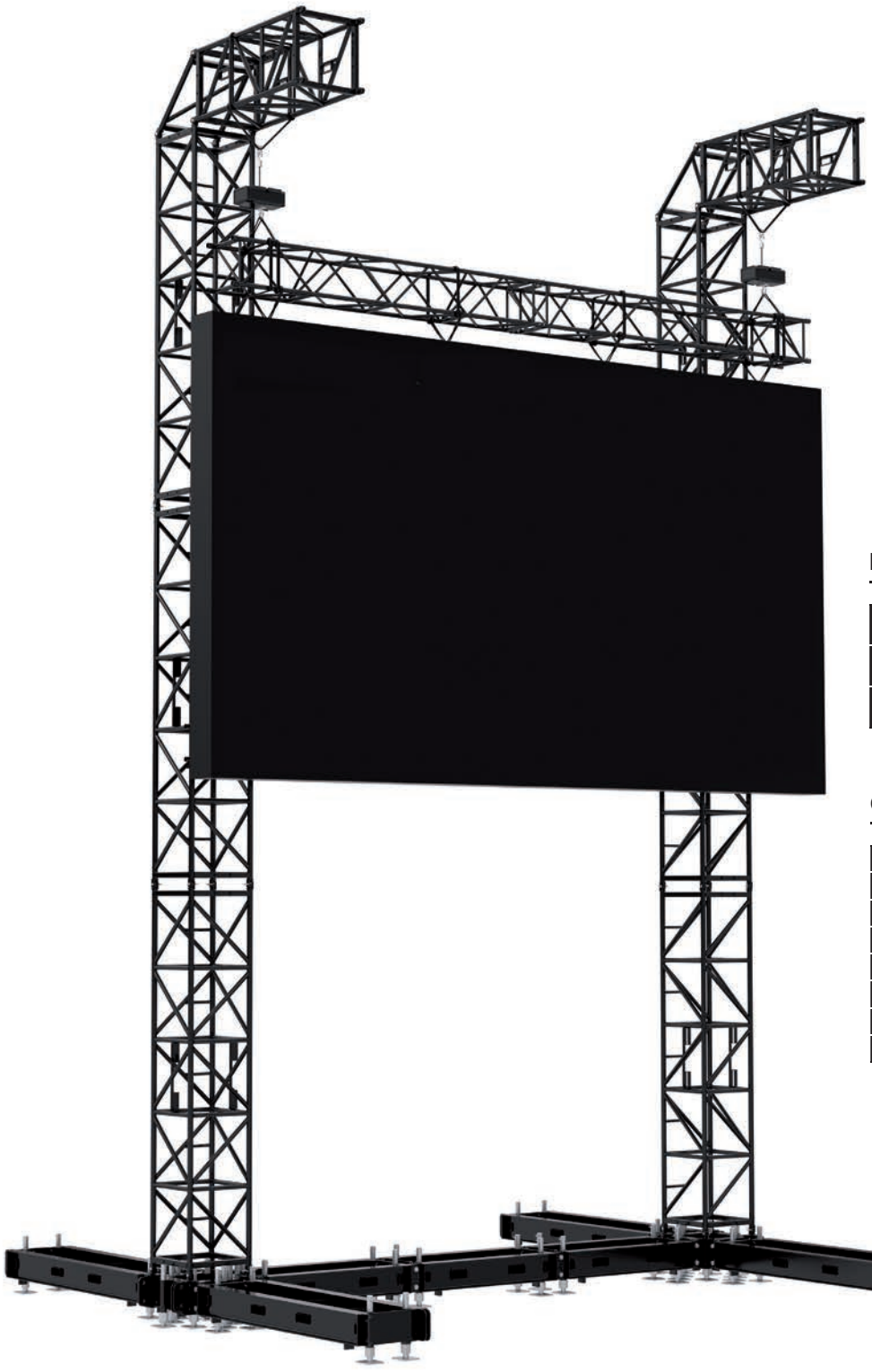
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	Max. wind speed incl. screen	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	

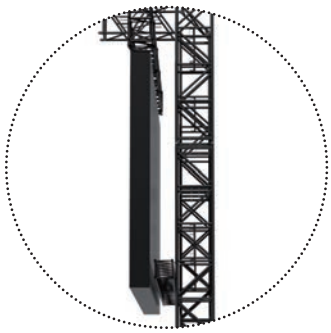
Transportation data

	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



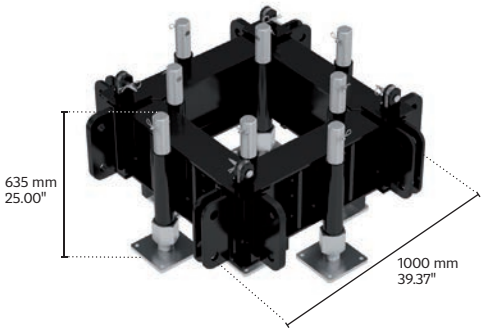


LED Screen capacities

8m Tower:	60m² front of screen 3,000kg max. loading capacity
12m Tower:	40m² front of screen 2,000kg max. loading capacity
16m Tower:	20m² 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	3 pieces
S-MT-Q-05|Outrigger3000 2 pieces	4 pieces
S-BTQT1018sp	2 pieces
S-QTQT4000|4m	6 pieces
S-QTQT2000|2m	2 pieces
QTK 4000	2 pieces
QTP 4000	2 pieces



S-MT-Q-01|Base

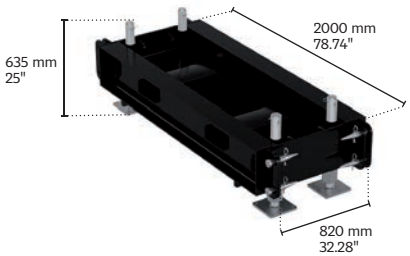
Series	kg	lbs
S-MT-Q-01-BASE	**495 kg** (1091.28 lbs)	

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-BTQT1018SP

Series	kg	lbs
S-BTQT1018sp	**35** (77.16)	

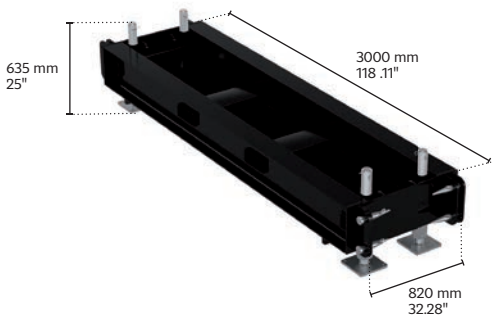
The S-BTQT1018sp provides strong support for the cantilever on the Steel PA Tower.



S-MT-Q-05|Outrigger2000

Series	kg	lbs
S-MT-Q-05|Outrigger2000	**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-Q-05|Outrigger3000

Series	kg	lbs
S-MT-Q-05|Outrigger3000	**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

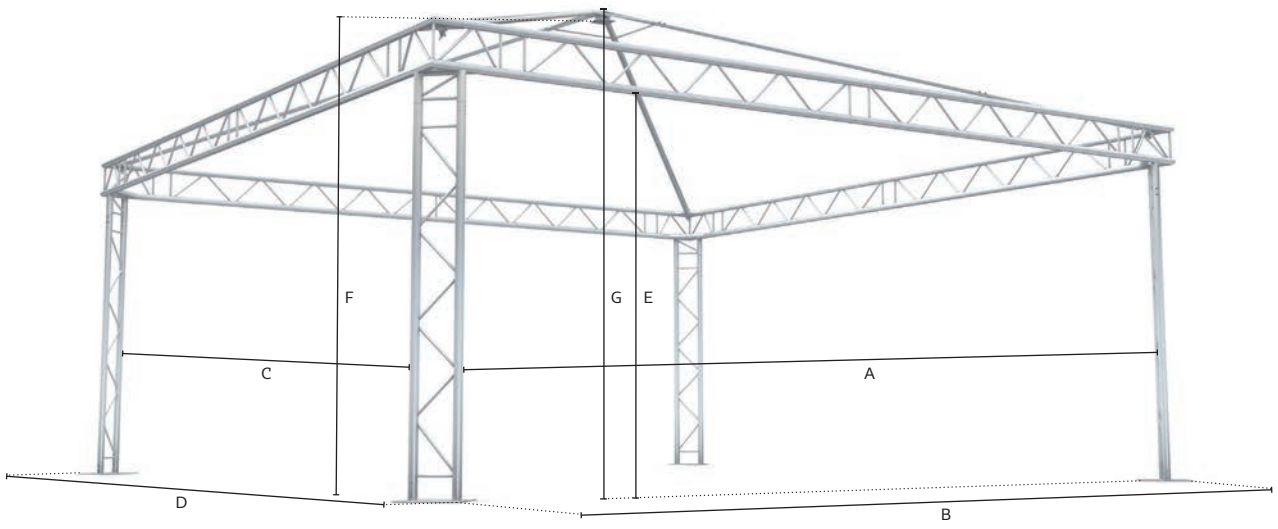
We've got you covered

Use QR code
for full range

We've got you covered

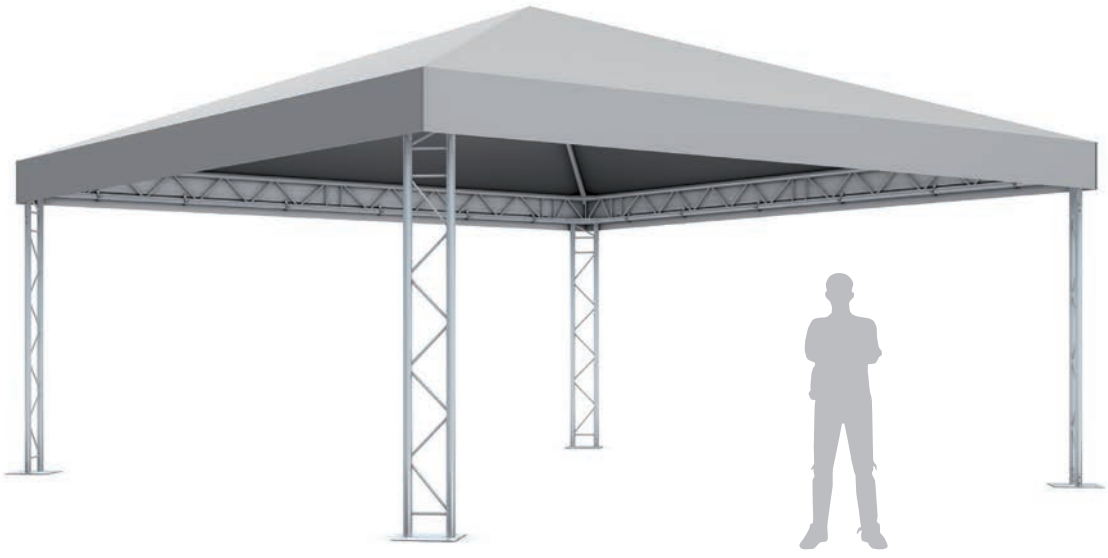
MDT1 tents

- 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

		Stage 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

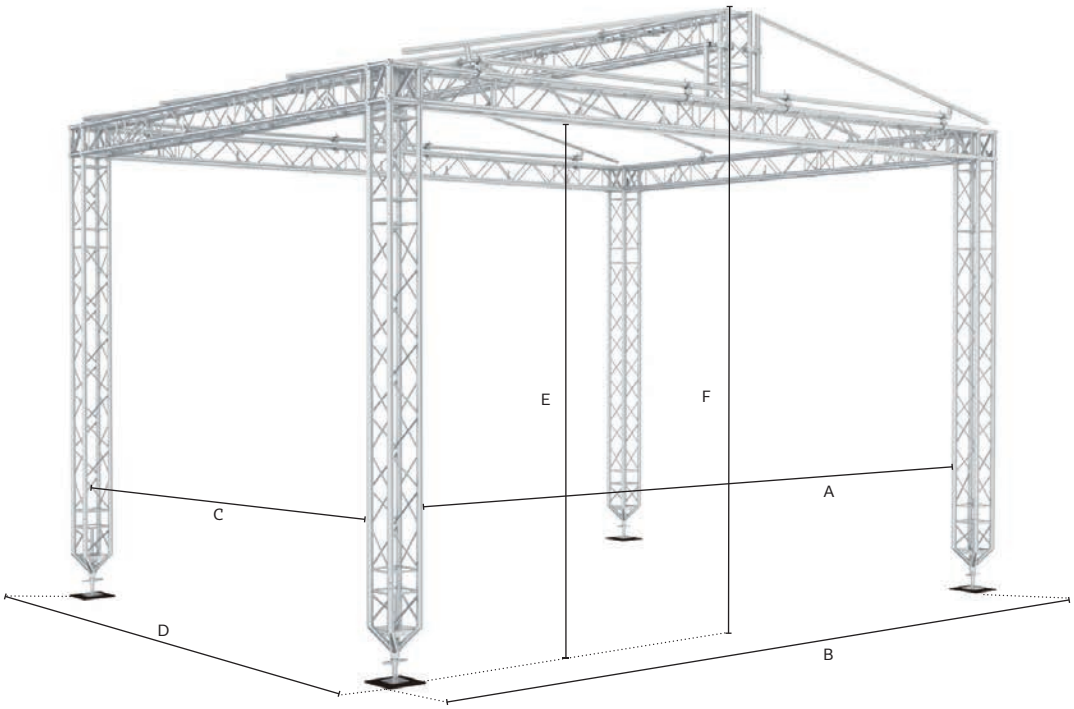
Design standards	DIN 1055-4	Actions on structures / wind
	DIN 4112	Temporary structures
	DIN 4113	Aluminium constructions
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	In service	14m/s - 52km/h - 32.3 mph (Max. gust wind speed)
	No side wall canopies are allowed for the data provided	
Ballast	From 115kg /254 lbs up to 163kg/359lbs, depends on configuration, sidewing, compression beam, guy wires, corner brace and other conditions.	
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	
Customized	Customisation (i.e. truss configuration, alternative dimensions) upon request	

Transportation data

	Stage 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



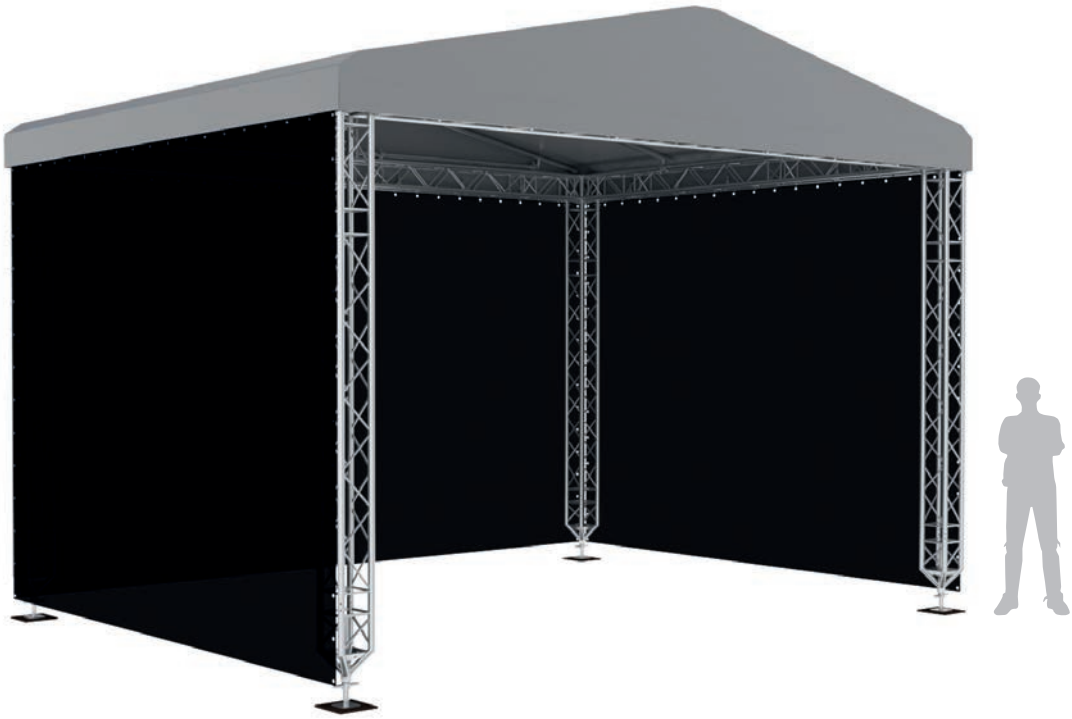
Technical specifications

MR0 - NGW 6x5

		Stage 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

	Stage size ›		6x5 m	(18.68 x 16.40 ft)
Loading capacity	Main grid (UDL)	**QTB, QTV**	25Kg/m	(55.11 lbs/ft)
		QTU, QTVU	50Kg/m	(110.23 lbs/ft)



Operational Specifications

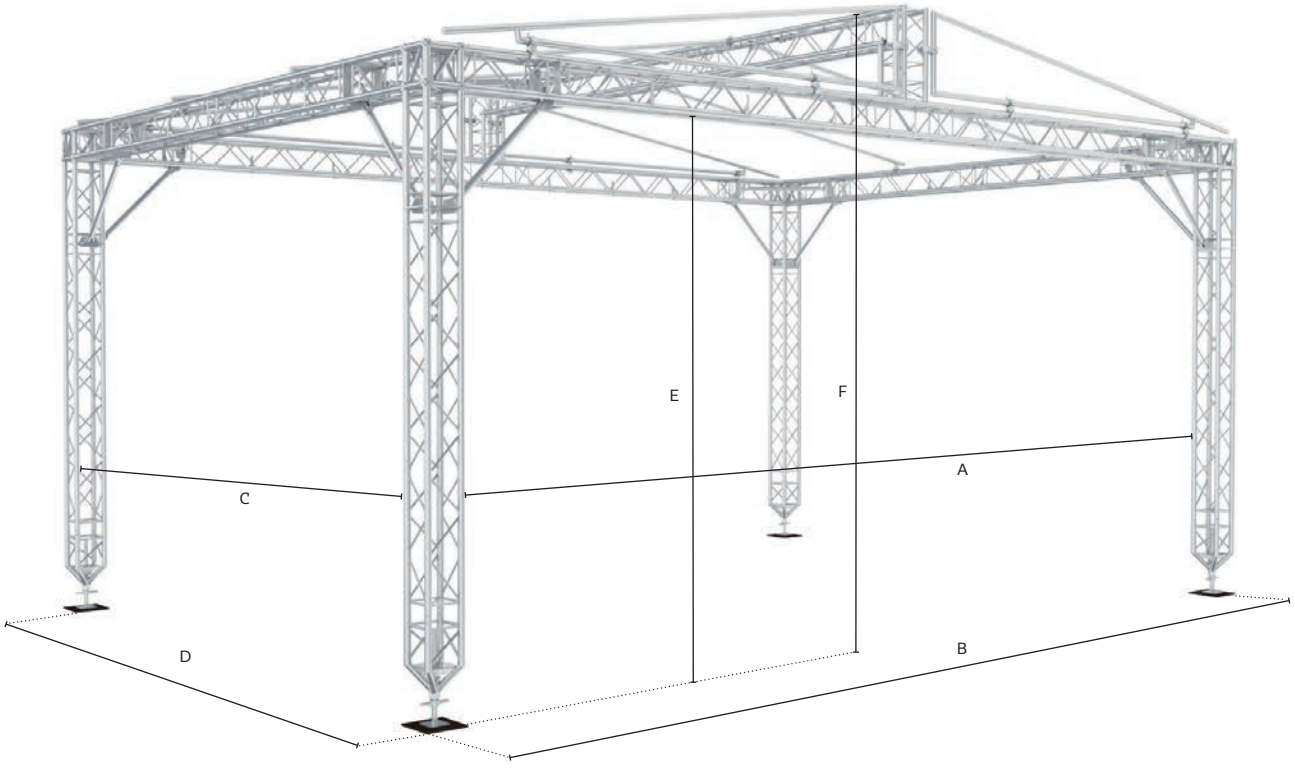
Design standards	EN 13814	Fairground and amusement park machinery and structures
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8m/s - 64km/h - 40mph (Max. gust wind speed)
	* Calculation based on 100% windproof wall claddings	
	Out of service	up to 30,0 m/s - 108 km/h - 67 mph (depends on terrain categories)
	* side claddings and equipment with large areas exposed to wind needs to be removed	
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	
Customized	Customisation (i.e. truss configuration, alternative dimension, roof adjustability) on request	

Transportation data

	Stage size ›	**6x5 m**	(18.68 x 16.40 ft)
Self-weight	* Exact self-weight depends on configuratio	**600 kg**	(1322.77 lbs)
Transport volume	* Packed in carton boxes and bubble foil	**6 m³**	(19.69 ft³)

MR0 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



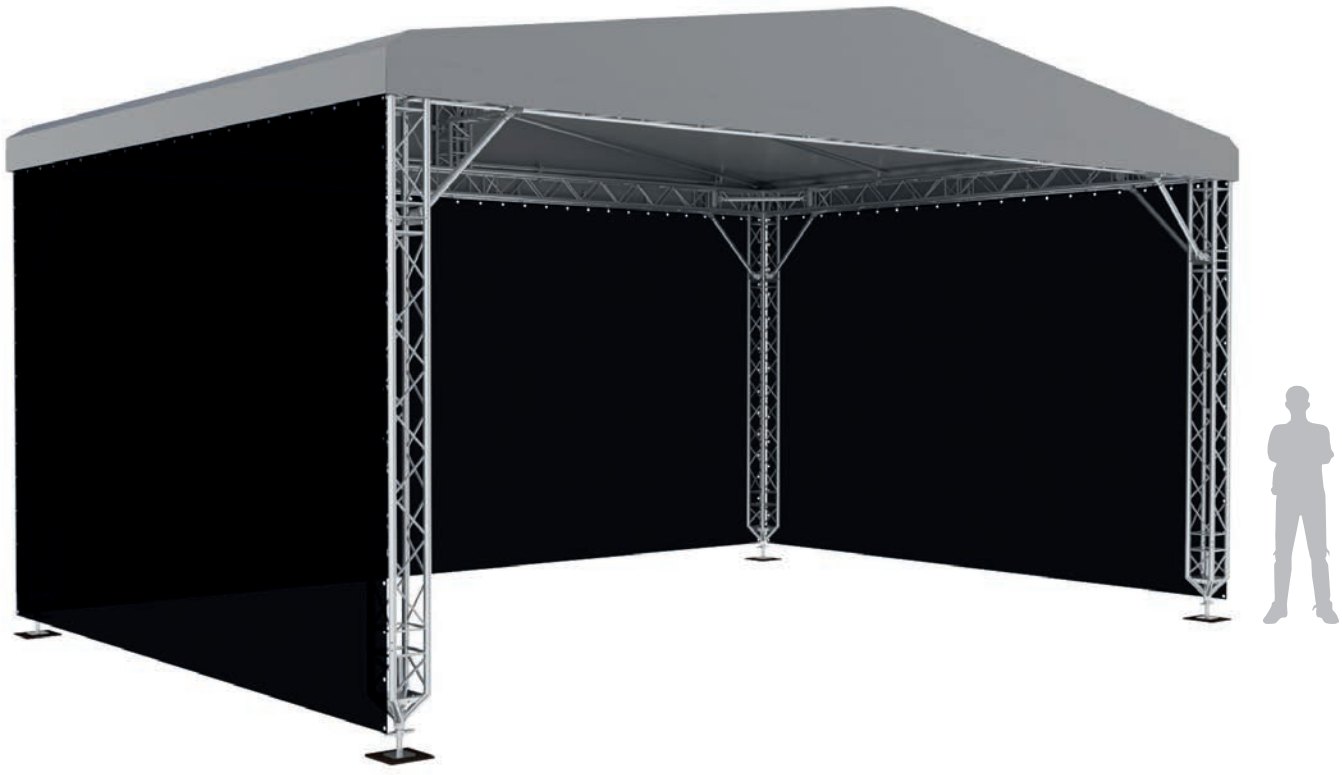
Technical specifications

MR0 - NGW 8x6

		Stage size ›	8x6 m	(26.24x19.68)
Dimensions	A	Internal width	**8.73 m**	(26.73 ft)
	B	Overall external width	**8.73 m**	(28.64 ft)
	C	Internal depth	**5.44 m**	(17.85 ft)
	D	Overall external depth	**6.26 m**	(20.53 ft)
	E	Clearance	**3,92 m**	(12.86 ft)
	F	Overall height	**4.92 m**	(16.14 ft)

Loading capacity

	Stage size ›		8x6 m		(26.24x19.68)
Loading capacity	Main grid (UDL)	QTB, QTV	Front + Back Side	30kg/m 25kg/m	(55.11 lbs/ft) (55.00lbs/ft)
		QTVU	60kg/m + 300kg		(132.27lbs/ft) (661 lbs) PA



Operational Specifications

Design standards	EN 13814	Fairground and amusement park machinery and structures
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8m/s - 64km/h - 40mph (Max. gust wind speed)
	* Calculation based on 100% windproof wall claddings	
	Out of service	up to 30,0 m/s - 108 km/h - 67 mph (depends on terrain categories)
	* side claddings and equipment with large areas exposed to wind needs to be removed	
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	
Customized	Customisation (i.e. truss configuration, alternative dimension, roof adjustability) on request	

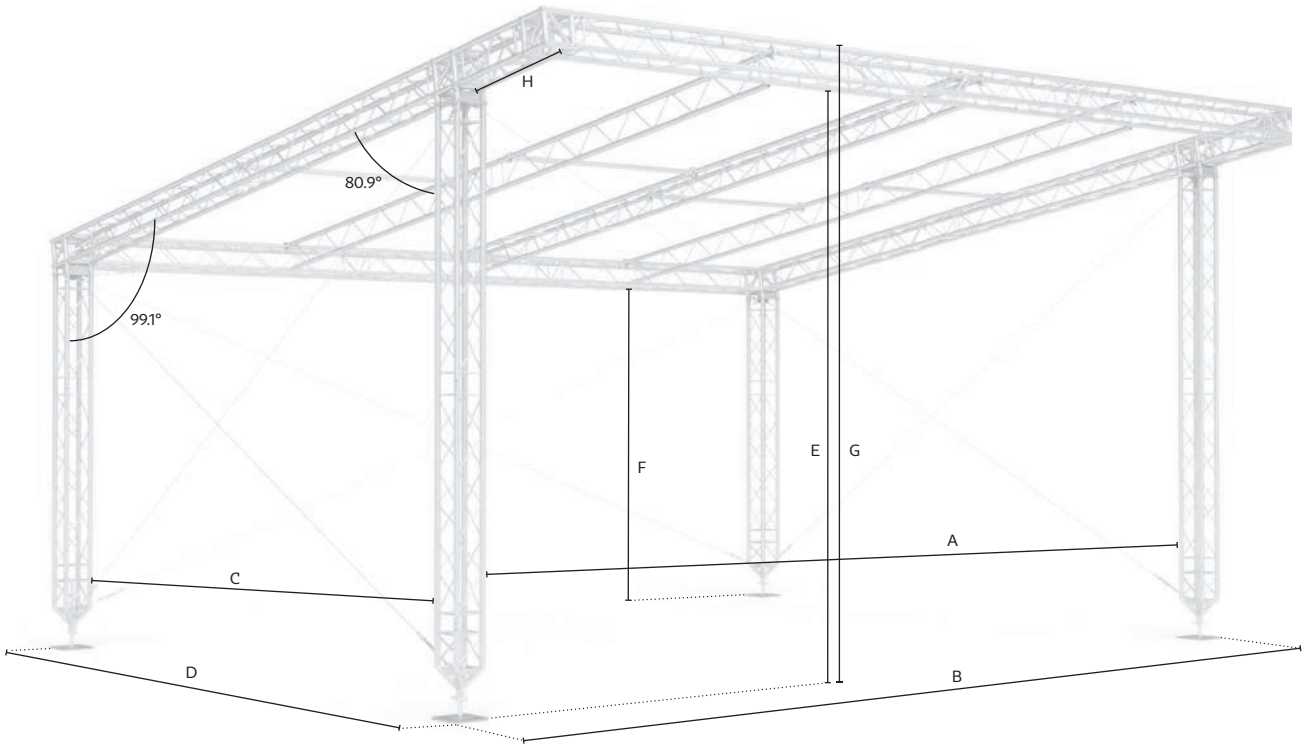
Transportation data

	Stage size ›	**8x6 m**	(26.24x19.68)
Self-weight	* Exact self-weight depends on configuratio	**600 kg**	(1322.77 lbs)
Transport volume	* Packed in carton boxes and bubble foil	**6 m³**	(19.69 ft³)

We've got you covered

MR0 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

		Stage 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)	**7.01m**	(23.00 ft)
	C	Internal depth	**5.92 m**	(19.42 ft)	**3.95m**	(12.96 ft)
	D	Overall external depth	**6.50 m**	(21.32 ft)	**4.53m**	(14.86 ft)
	E	Front clearance	**4.76 m**	(15.62 ft)	**4.71m**	(15.46 ft)
	F	Back clearance	**3.55 m**	(17.98 ft)	**3.87m**	(12.70 ft)
	G	Overall height	**5.48 m**	(17.98 ft)	**4.97m**	(16.30 ft)
	H	Cantilever depth	**1.10 m**	(3.60 ft)	**0.59 m**	(1.94 ft)

Loading capacity

		Stage size ›	8x6m	(26.25x19.70 ft)	6x4m	(19.68x13.12 ft)
Loading capacity	Back & side truss	Uniformly distributed (UDL)	**30kg/m**	(20lbs/ft)	**30 kg/m**	(66.13lbs/ft)
	Middle truss	Uniformly distributed (UDL)	**10 kg/m**	(6 lbs/ft)	-	
	Cantilever truss	Uniformly distributed (UDL)	**20 kg**	(14 lbs/ft)	**30 kg**	(66.13lbs)
	PA load	Point load each cantilever corner	**100 kg**	(220 lbs)	**100kg**	(220 lbs)
	* See structural report for exact load positioning					

Operational Specifications

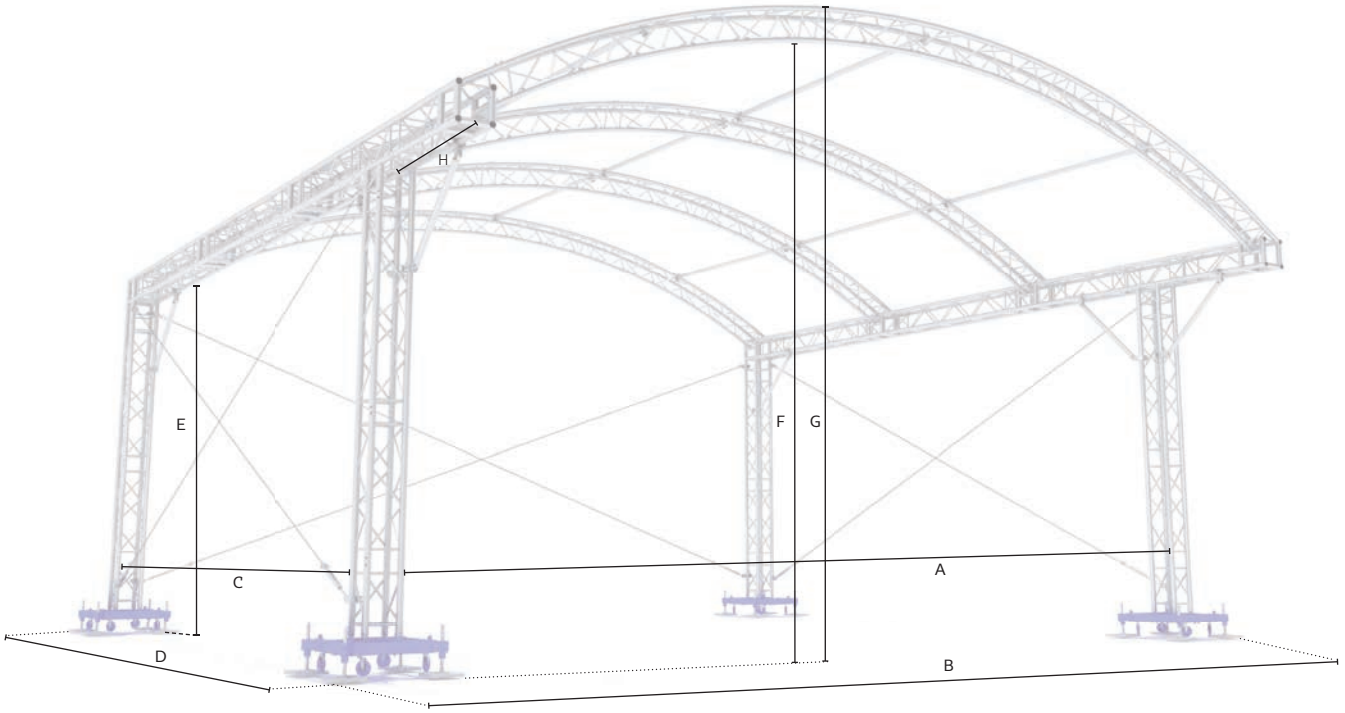
Design standards	EN 13814	Fairground and amusement park machinery and structures
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8m/s - 64km/h - 40mph (Max. gust wind speed)
	* Calculations based on 100% closed side canopies	
	* Side canopies and loads to be removed above this wind speed if not considered	
	Out of service	28.0m/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	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Stage 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

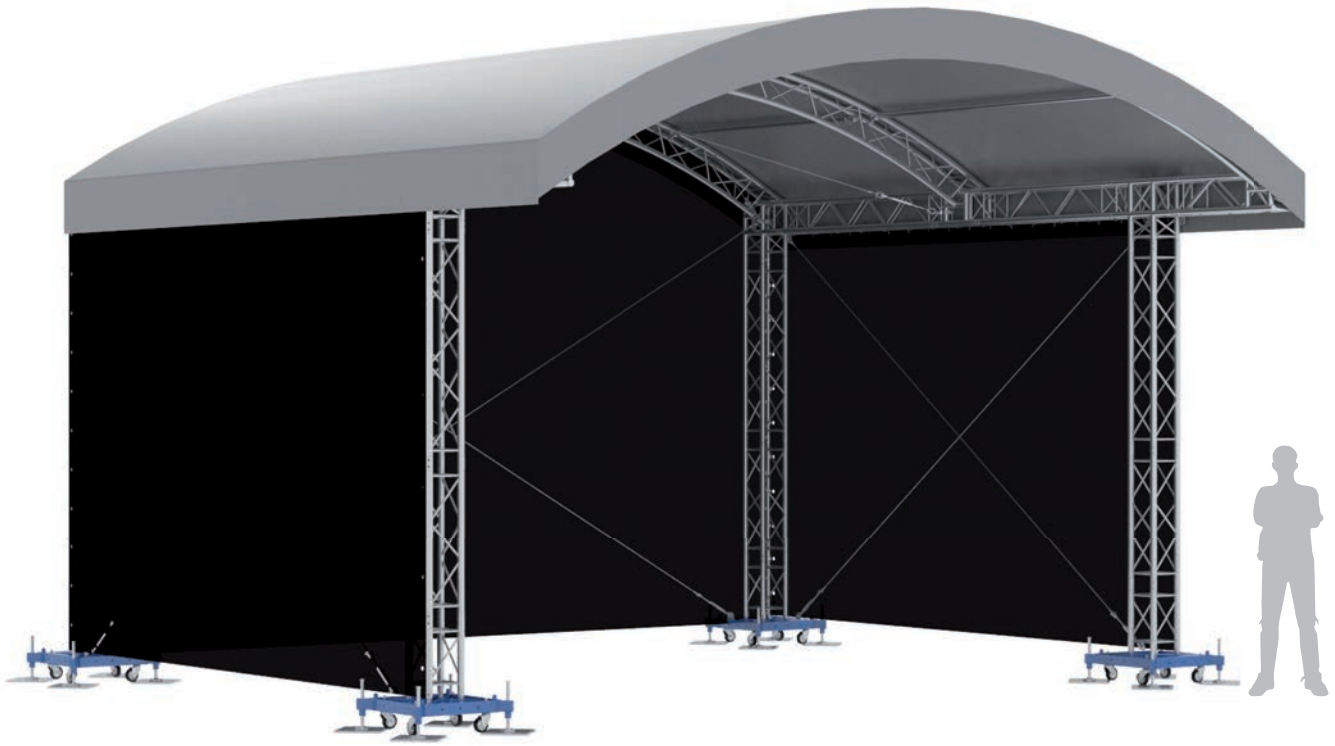


Technical specifications

		Stage 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

		Stage size ›	8x6 m	(26.25x19.70 ft)	6x4 m	(19.70x13.10 ft)
Loading capacity	Inner Arches	Uniformly distributed (UDL)	**15 kg/m**	(33 lbs/ft)	**15 kg/m**	(33 lbs/ft)
	Side truss	Uniformly distributed (UDL)	**20 kg/m**	(44 lbs/ft)	**20 kg/m**	(44 lbs/ft)
	Outer Arches	Uniformly distributed (UDL)	**20kg/m**	(44.00lbs/ft)	**20kg/m**	(44.00lbs/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

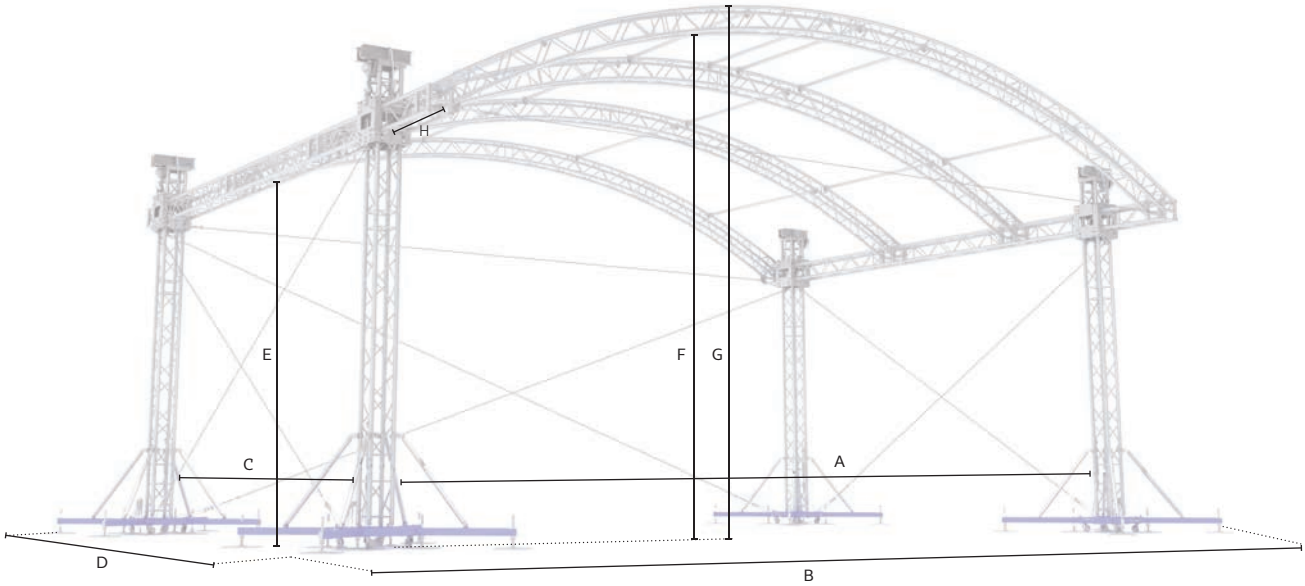
Design standards	EN 13814	Fairground and amusement park machinery and structures
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8m/s - 64km/h - 40mph (Max. gust wind speed)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	28.0m/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	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Stage 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 m³**	(706 ft³)	**15 m³**	(530 ft³)

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 chain block 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

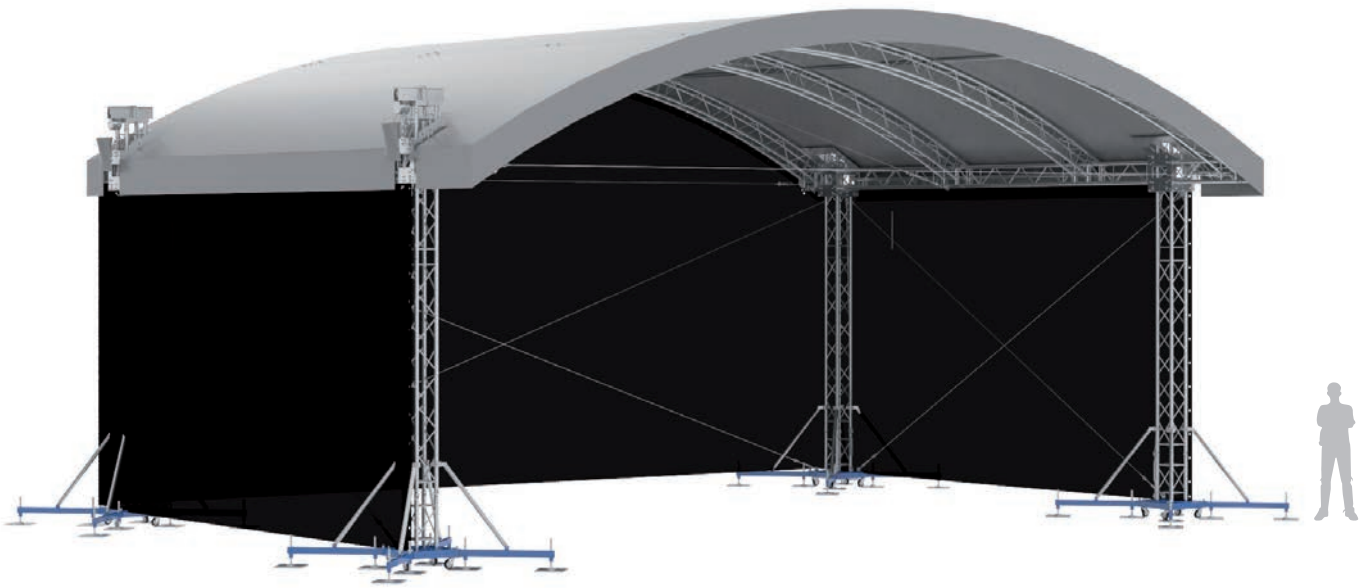


Technical specifications

		Stage 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**	(3.28ft)	**1.00 m**	(3.28 ft)

Loading capacity

		Stage 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

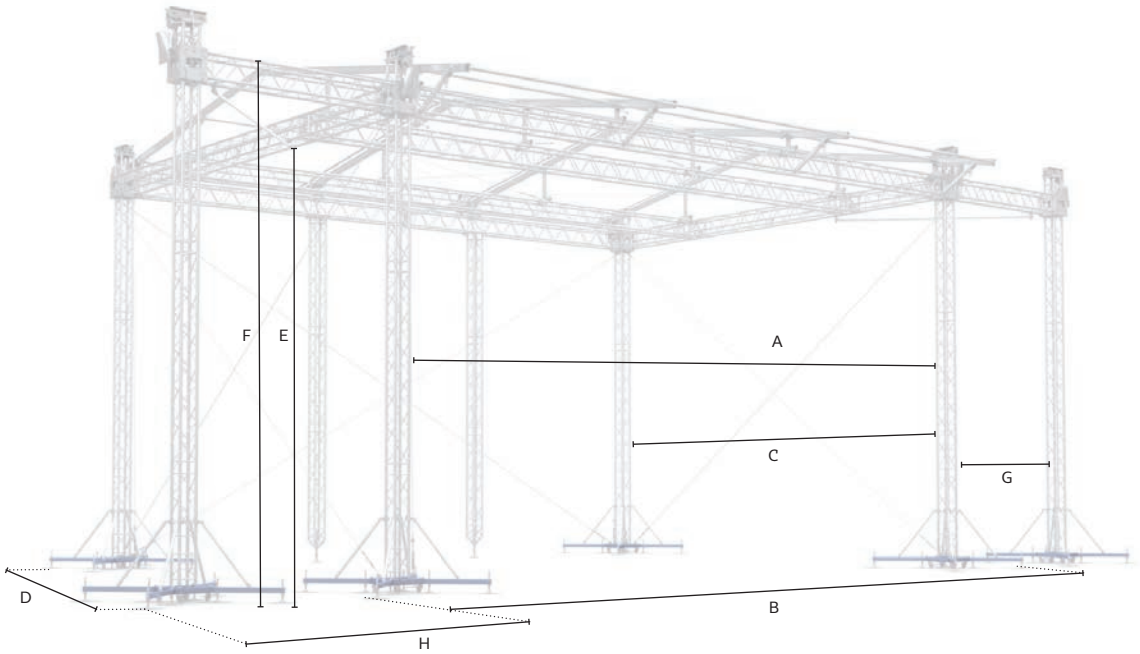
Design standards	EN 13814	Fairground and amusement park machinery and structures
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8m/s - 64km/h - 40mph (Max. gust wind speed)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	28.0m/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	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Stage 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 chain block 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



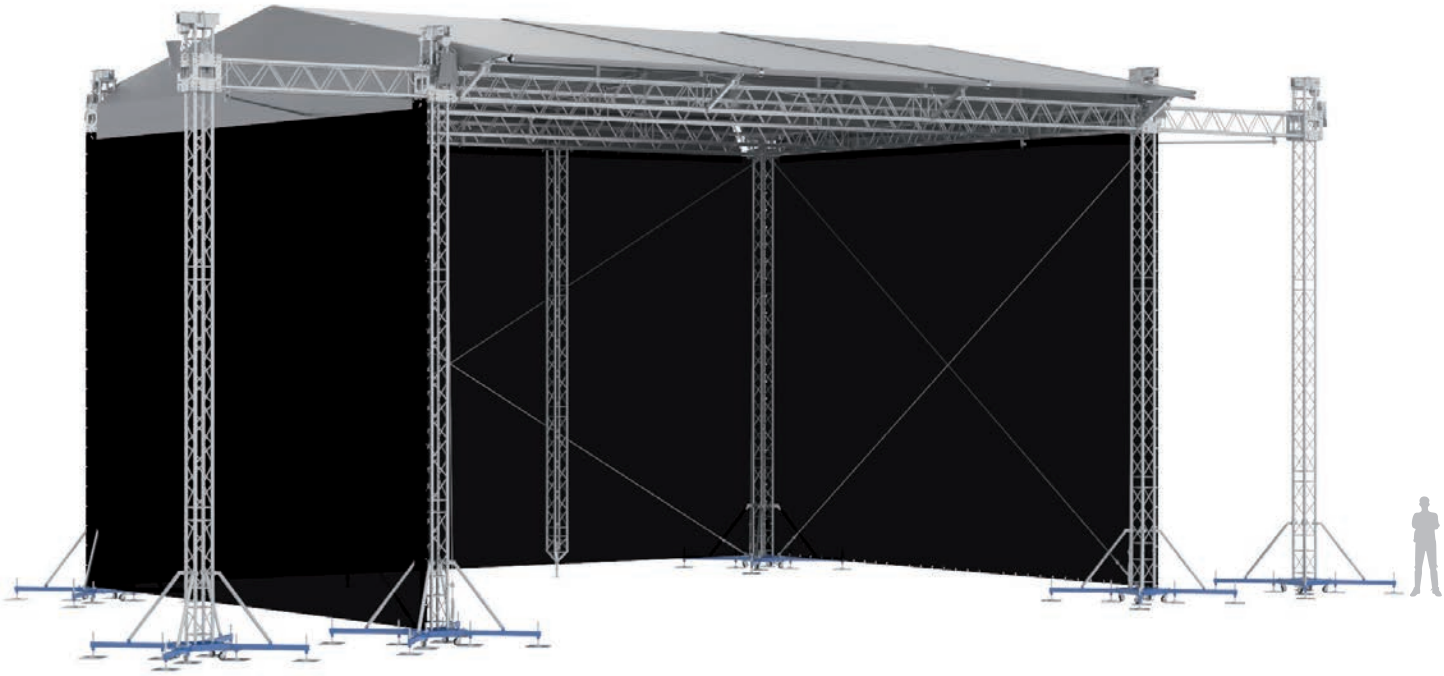
Technical specifications

		Stage 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 Kader side / rear walls.

Loading capacity

		Stage 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**	(2948 lbs)	**3040 kg**	(6696 lbs)	**3040 kg**	(6696 lbs)
		Point loads	**8700 kg**	(3946 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

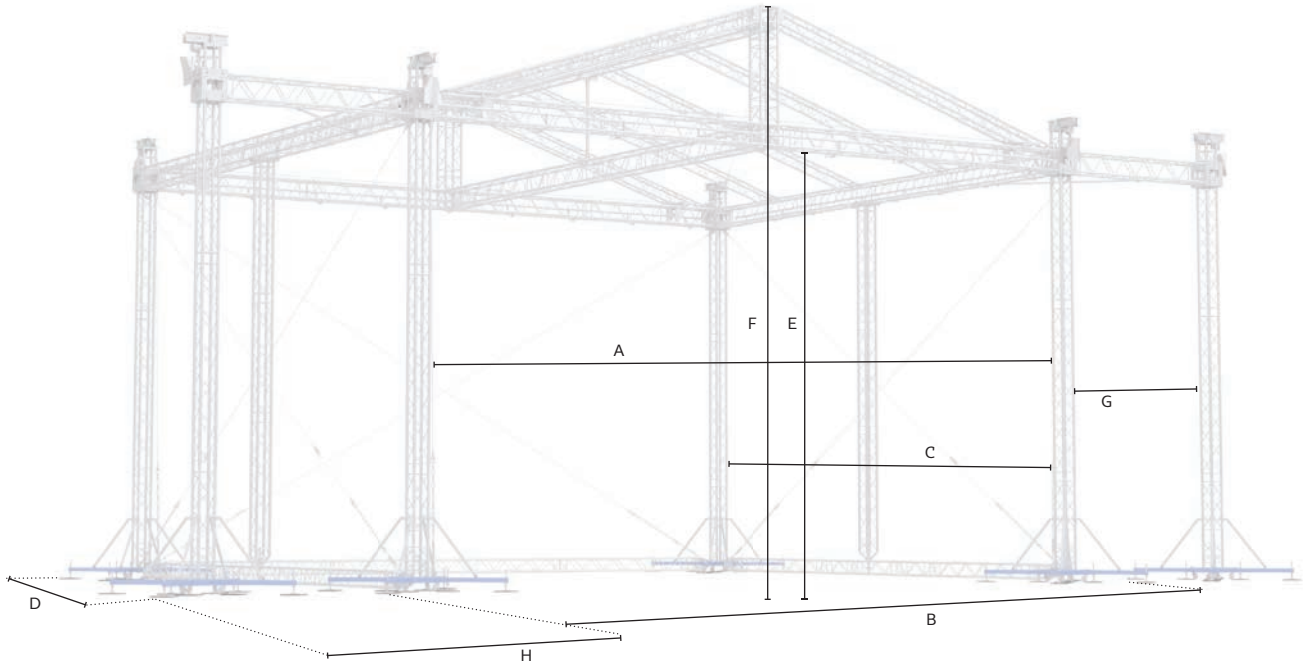
Design standards	EN 13814	Fairground and amusement park machinery and structures
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8m/s - 64km/h - 40mph (Max. gust wind speed)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	28.8m/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	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Stage 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 chain block 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

		Stage 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

		Stage 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	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	17.8m/s - 64km/h - 40mph (Max. gust wind speed)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	29.6m/s - 106km/h-66mph (Max. gust wind speed)
	Training recommended	
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	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

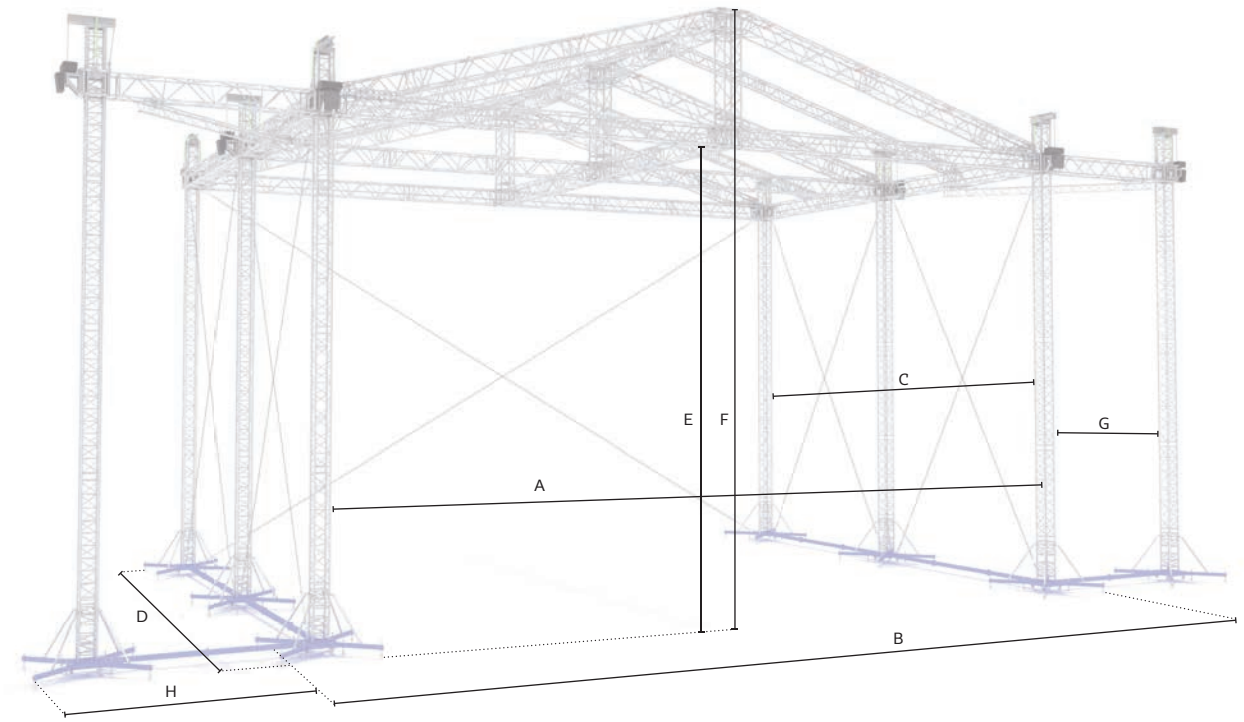
Transportation data

	Stage 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)

We've got you covered

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

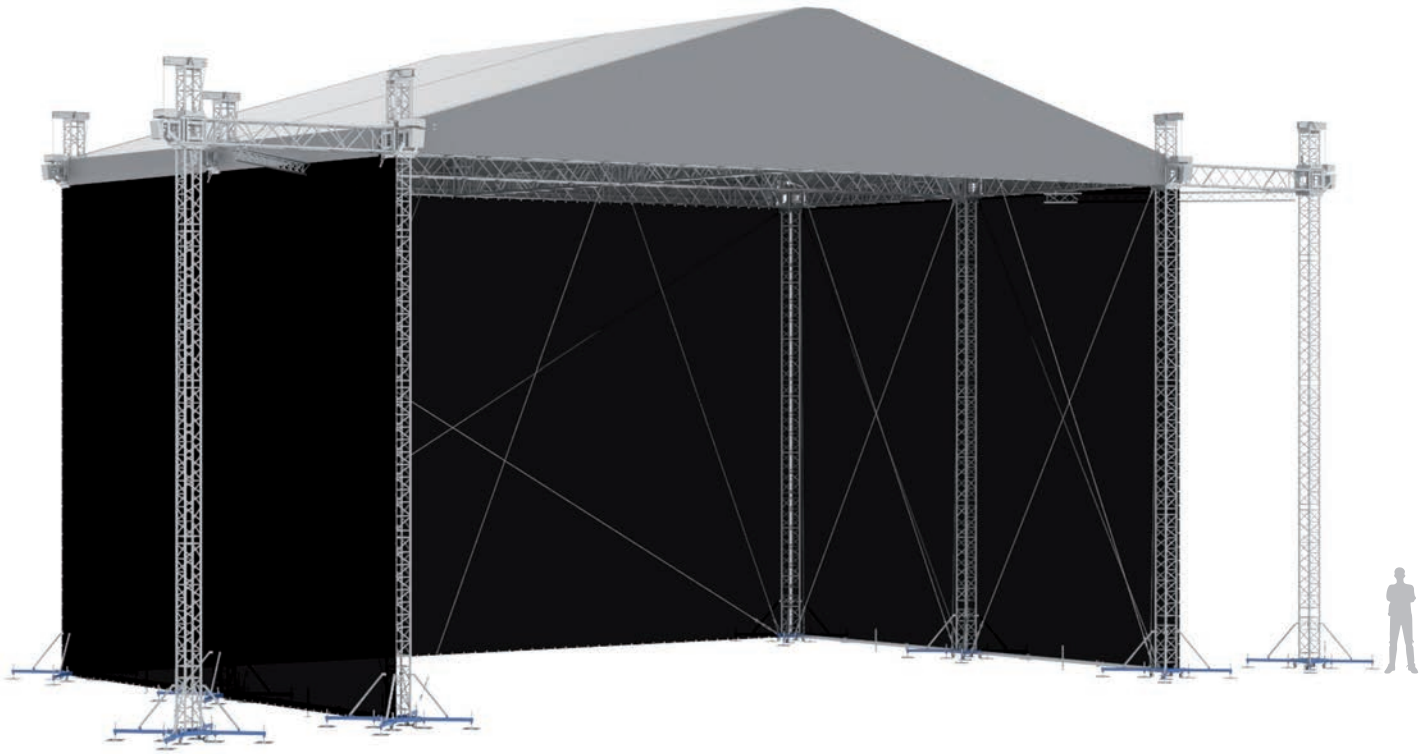


Technical specifications

		Stage 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

		Stage 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

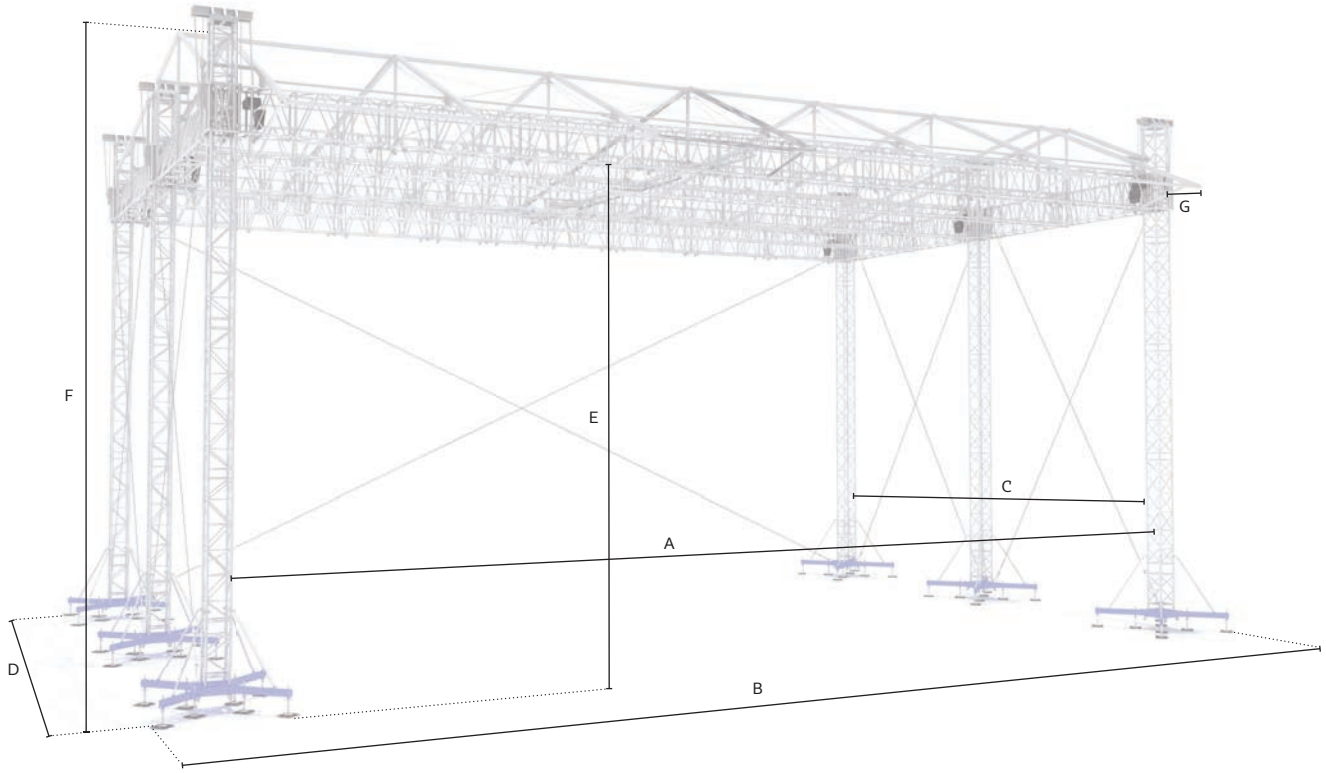
Design standards	EN 13814	Fairground and amusement park machinery and structures
	EN 1991-1-4	Loads on structures: Wind loads
	EN 1993	Design of steel structures
	EN 1999	Design of aluminium structures
Wind management	In service	17.8m/s - 64km/h - 40mph (Max. gust wind speed)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	27.5m/s - 100km/h - 62mph (Max. gust wind speed)
	Training recommended	
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	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

Transportation data

	Stage 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

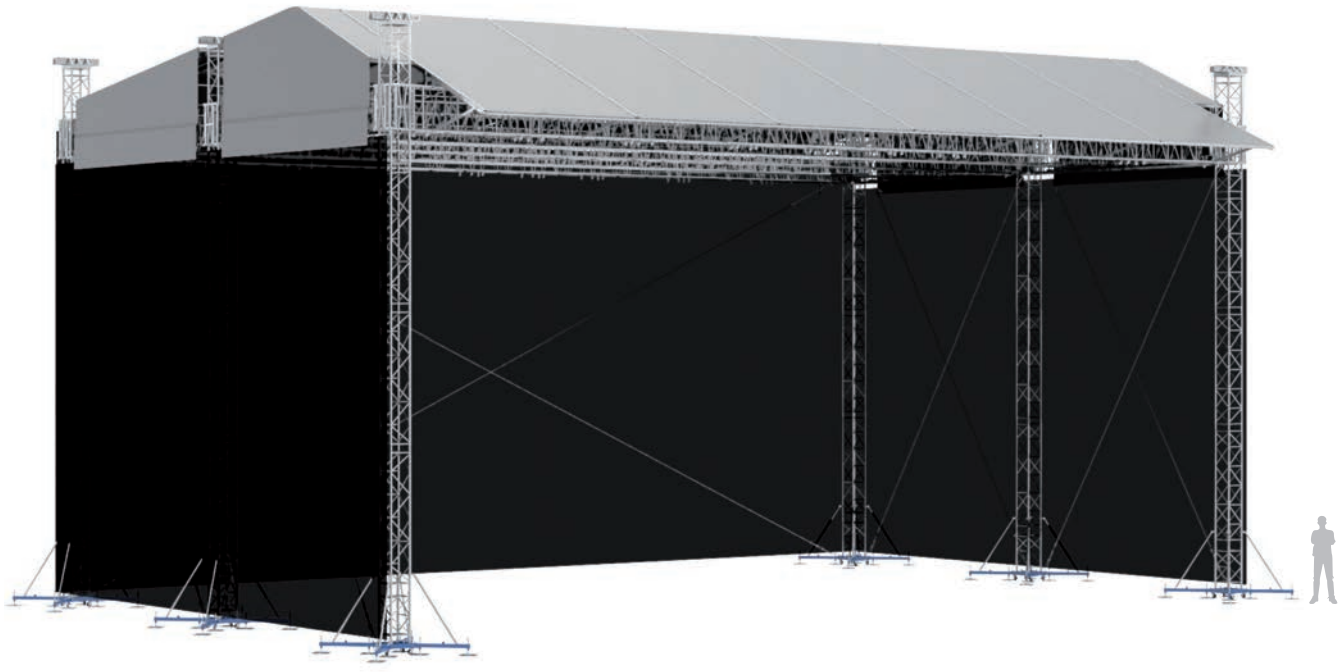


Technical specifications

		Stage 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

		Stage 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	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	17.8m/s - 64km/h - 40mph (Max. gust wind speed)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	28.3m/s - 100km/h - 62mph (Max. gust wind speed)
	Training recommended	
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	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

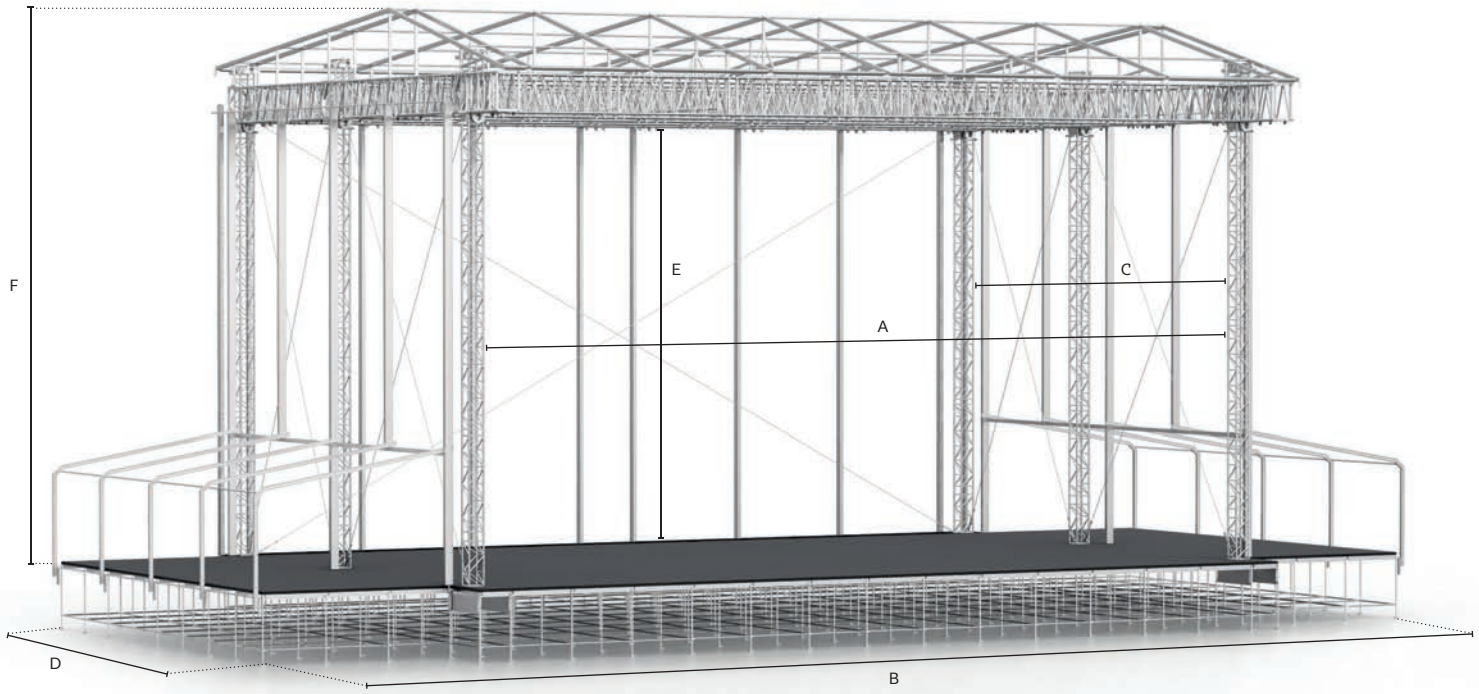
Transportation data

	Stage 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)

We've got you covered

MR6 pitched roofs

- MR6 large scale pitched roof structure
- main grid made of 5 spans of M1200 RTR truss
- clearance height nearly 14 m
- side stage structures on request
- PA / video wing options available on request
- Rear wall made of keder profile 300x122 mm
- Side wall made of keder profile 250x122 mm
- Range of coloured PVC covers available

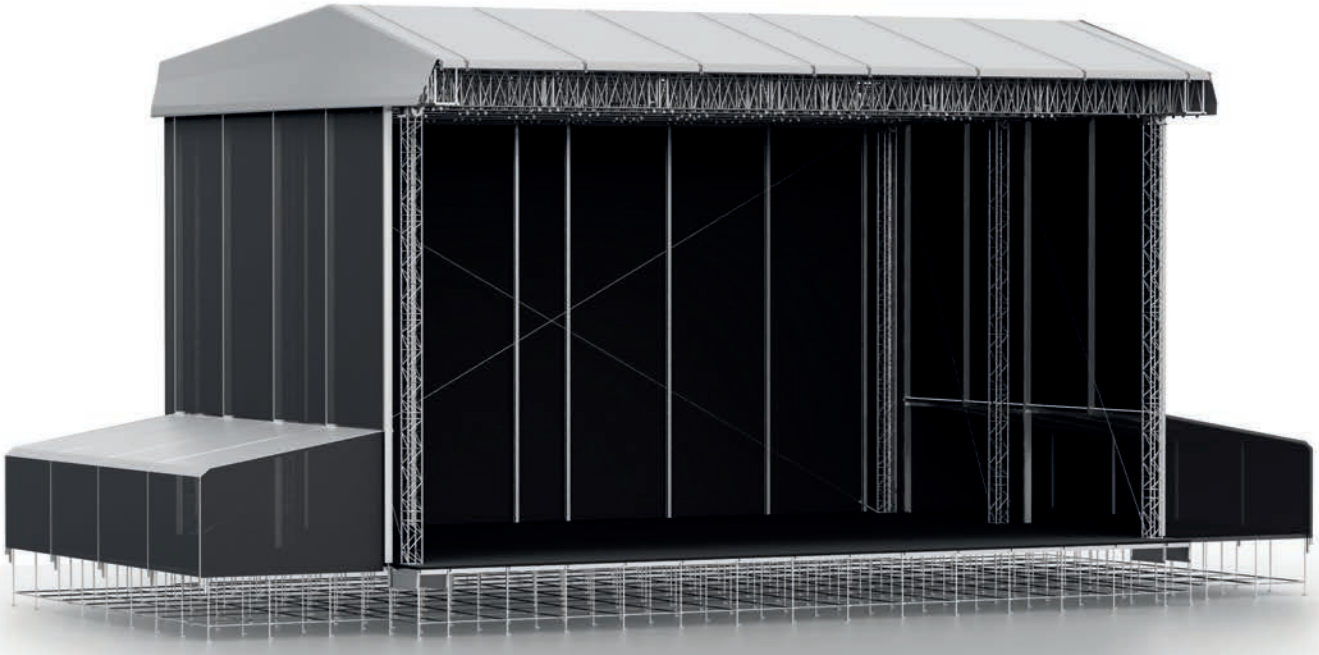


Technical specifications

		Stage size ›	26x16 m	(85.30x52.49 ft)
Dimensions	A	Internal width	**26.47m**	(86.84 ft)
	B	Overall external width	**40.56m**	(133.07 ft)
	C	Internal depth	**16.47m**	(54.03 ft)
	D	Overall external depth	**21.40m**	(70.20 ft)
	E	Clearance	**13.88m**	(45.53 ft)
	F	Overall height	**17.15m**	(56.26 ft)

Loading capacity

		Stage 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."

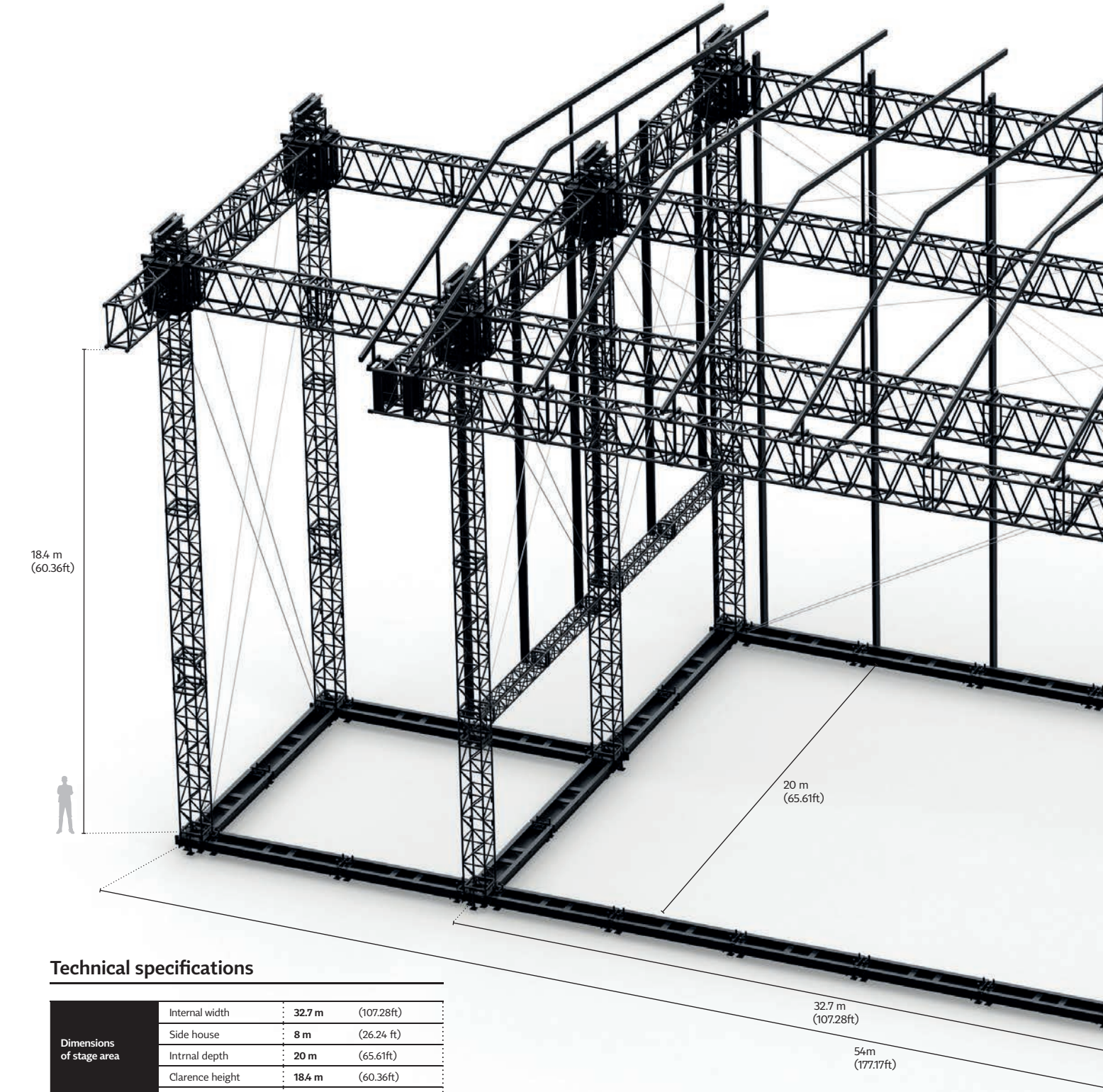
Operational Specifications

Design standards	EN 13814	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	17.8m/s - 64km/h - 40mph (Max. gust wind speed)
	* Calculations based on 100% closed side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	28.3m/s - 100km/h - 62mph (Max. gust wind speed)
	Training recommended	
Ballast	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	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

We've got you covered

S-MR20

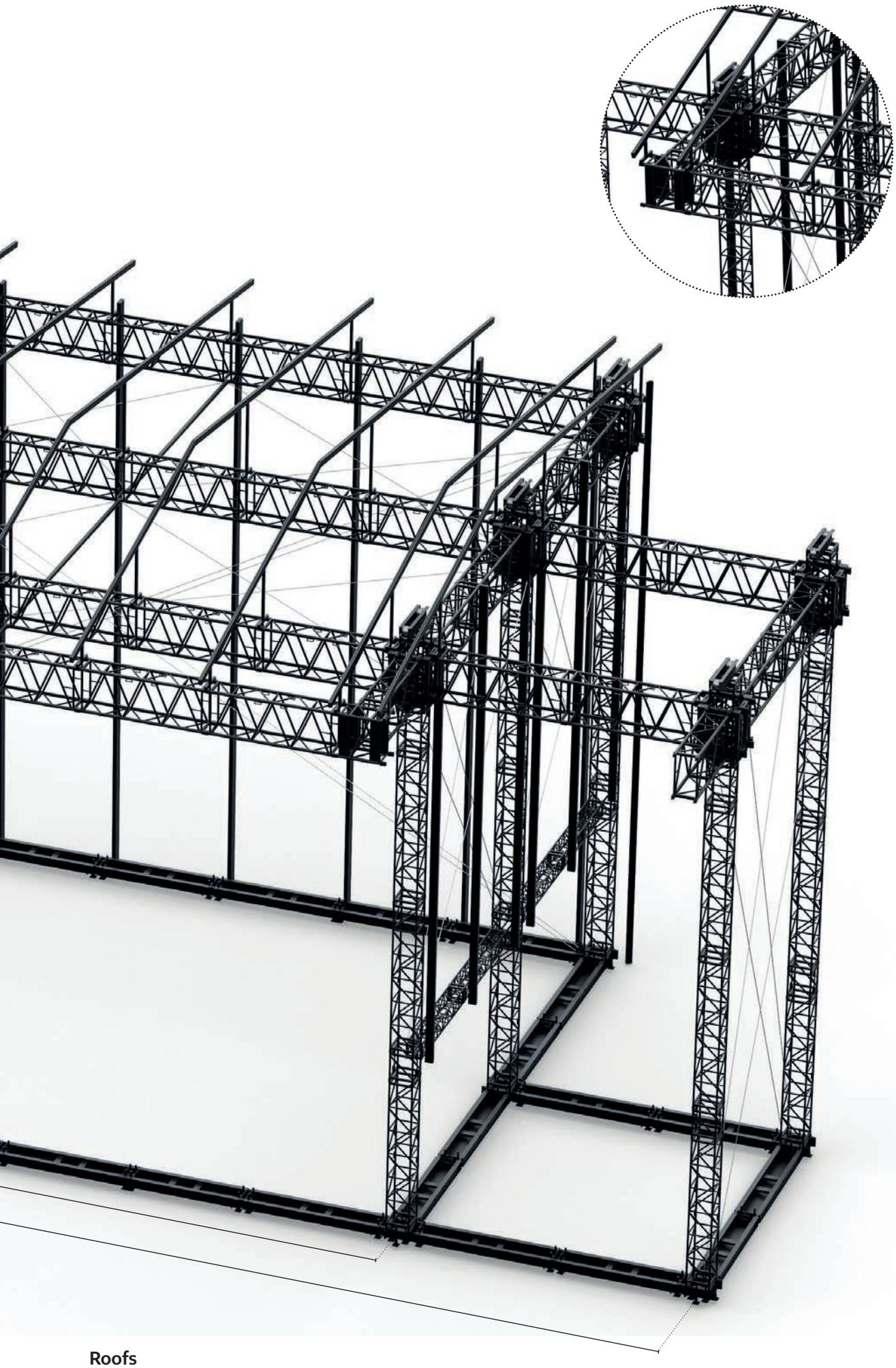
- overall dimensions 54 m x 24.5 m x 23 m
- 32 m span
- 4 m front cantilever
- 50.000 kg UDL
- 4 x 5.000 kg PA on cantilevers
- 4.000 kg LED screen per side house



Technical specifications

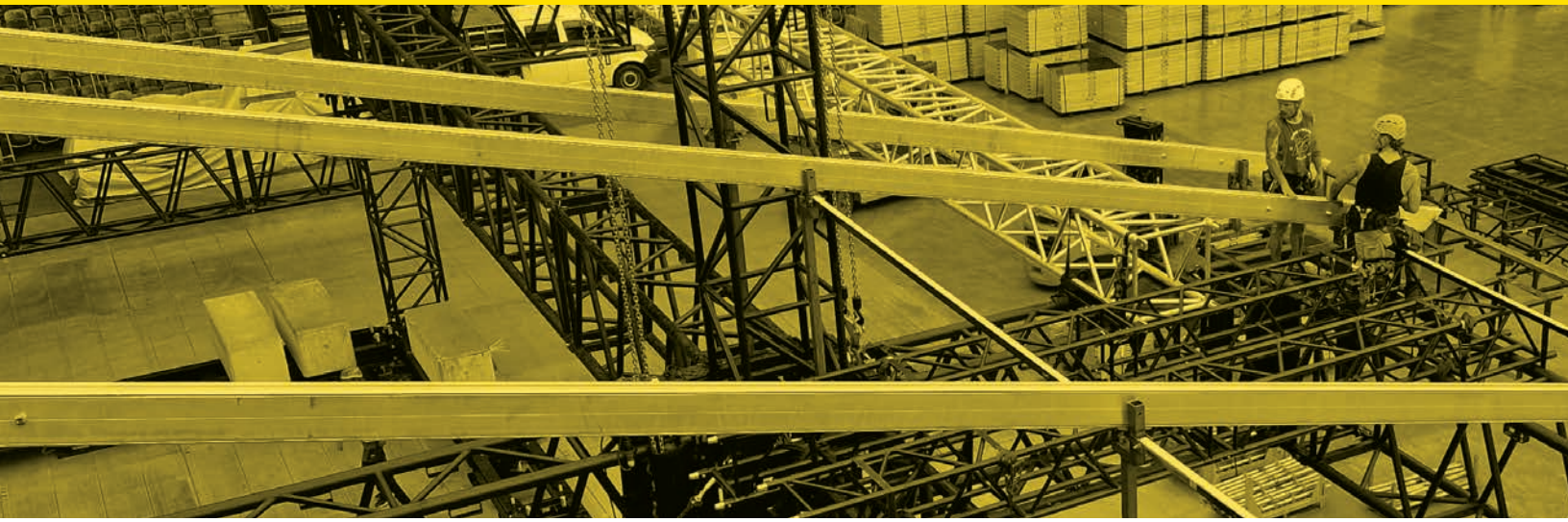
Dimensions of stage area	Internal width	**32.7 m**	(107.28ft)
	Side house	**8 m**	(26.24 ft)
	Intrnal depth	**20 m**	(65.61ft)
	Clarence height	**18.4 m**	(60.36ft)
	Front cantilever	**4 m**	(13.12 ft)
Overal dimensions	Width	**54 m**	(177.17 ft)
	Depth	**24.5 m**	(80.38 ft)
	Height	**23.1 m**	(75.78 ft)

* See structural report for exact load positioning



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 6 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 kg/m
	I_y = 99,23 cm⁴
	$M_{y,Rd}$ = 537,0 kNcm

e.g. for roof covers with short spans

Profile 120x80 mm

	Values
120x80 mm	g = 4,93 kg/m
	I_y = 409,82 cm⁴
	$M_{y,Rd}$ = 1552,3 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 kg/m
	I_y = 1326,02 cm⁴
	$M_{y,Rd}$ = 3545,5 kNcm

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

Connector for profile 80x61 mm

	Values
80x61 mm	g = 2,74 kg/m
	I_y = 25,16 cm⁴
	$M_{y,Rd}$ = 163,36 kNcm

Connector for profile 120x80 mm

	Values
120x80 mm	g = 11,03 kg/m
	I_y = 350,42 cm⁴
	$M_{y,Rd}$ = 1531,5 kNcm

Connector for profile 170x88 mm

	Values
170x88 mm	g = 12,90 kg/m
	I_y = 1180,01 cm⁴
	$M_{y,Rd}$ = 3619,21 kNcm

Profile 250x120 mm

	Values
250x120 mm	g = 8,12 kg/m
	I_y = 2944,18 cm⁴
	$M_{y,Rd}$ = 5323,2 kNcm

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

Profile 300x122 mm

	Values
300x122 mm	g = 11,64 kg/m
	I_y = 6063,4 cm⁴
	$M_{y,Rd}$ = 9110,3 kNcm

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

Profile 360x122 mm

	Values
360x122 mm	g = 15,45 kg/m
	I_y = 10364,40 cm⁴
	$M_{y,Rd}$ = 12981,8 kNcm

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

Connector for profile 250x120 mm

	Values
250x120 mm	g = 10,21 kg/m
	I_y = 2852,12 cm⁴
	$M_{y,Rd}$ = 5395,0 kNcm

Connector for profile 300x122 mm

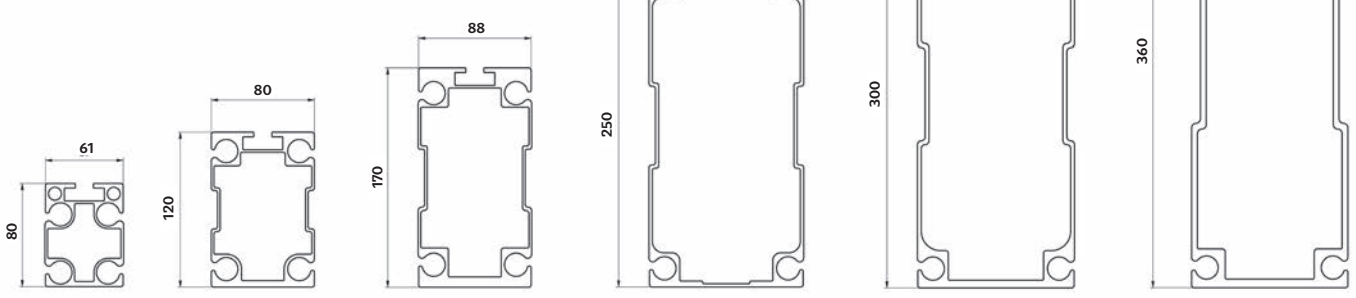
	Values
300x122 mm	g = 14,94 kg/m
	I_y = 5920,4 cm⁴
	$M_{y,Rd}$ = 9391,5 kNcm

Connector for profile 360x122 mm

	Values
360x122 mm	g = 20,60 kg/m
	I_y = 10045,67 cm⁴
	$M_{y,Rd}$ = 13312,2 kNcm

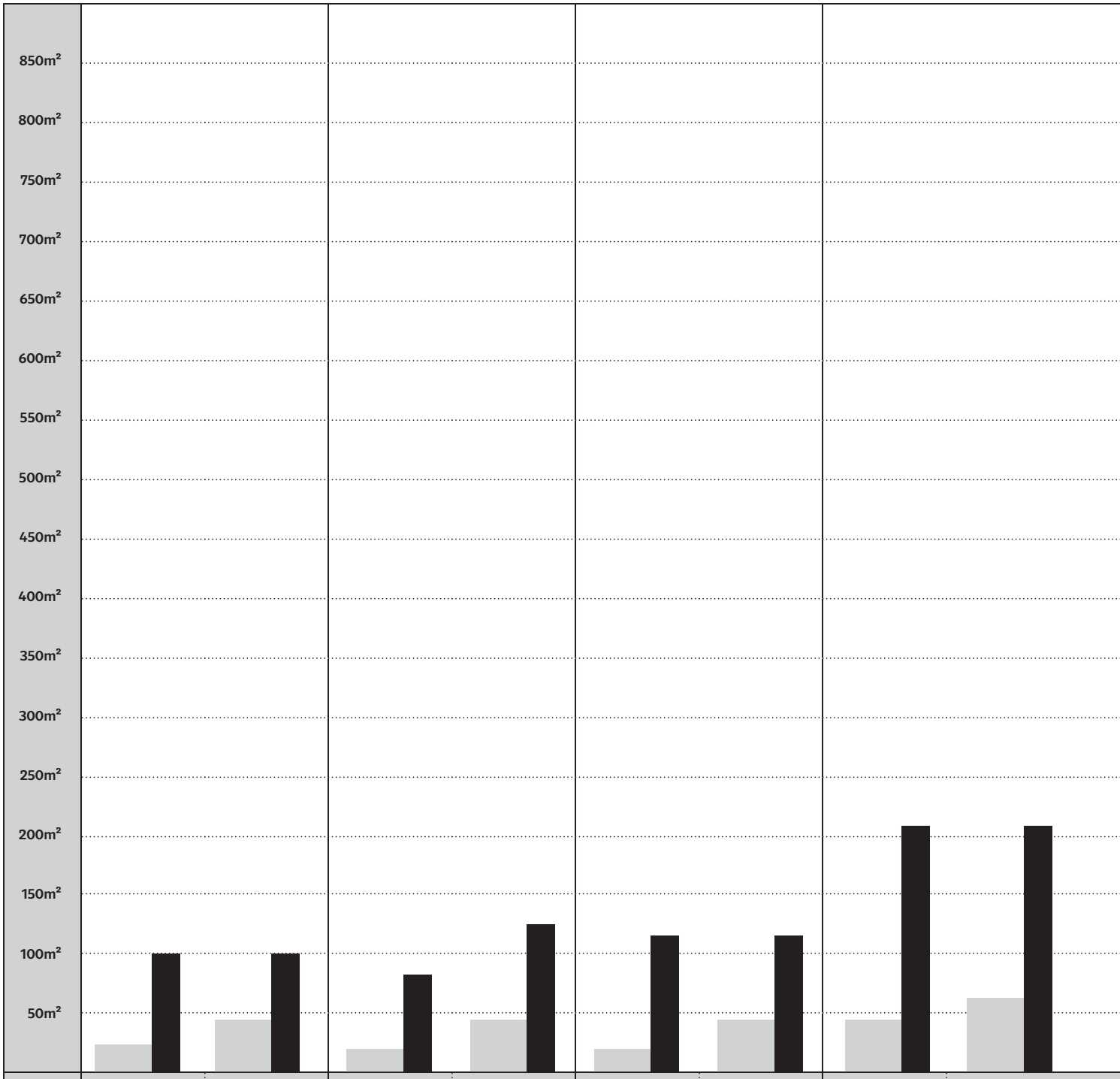
Profile 23x54 mm

	Values
23x54 mm	g = 1,48 kg/m

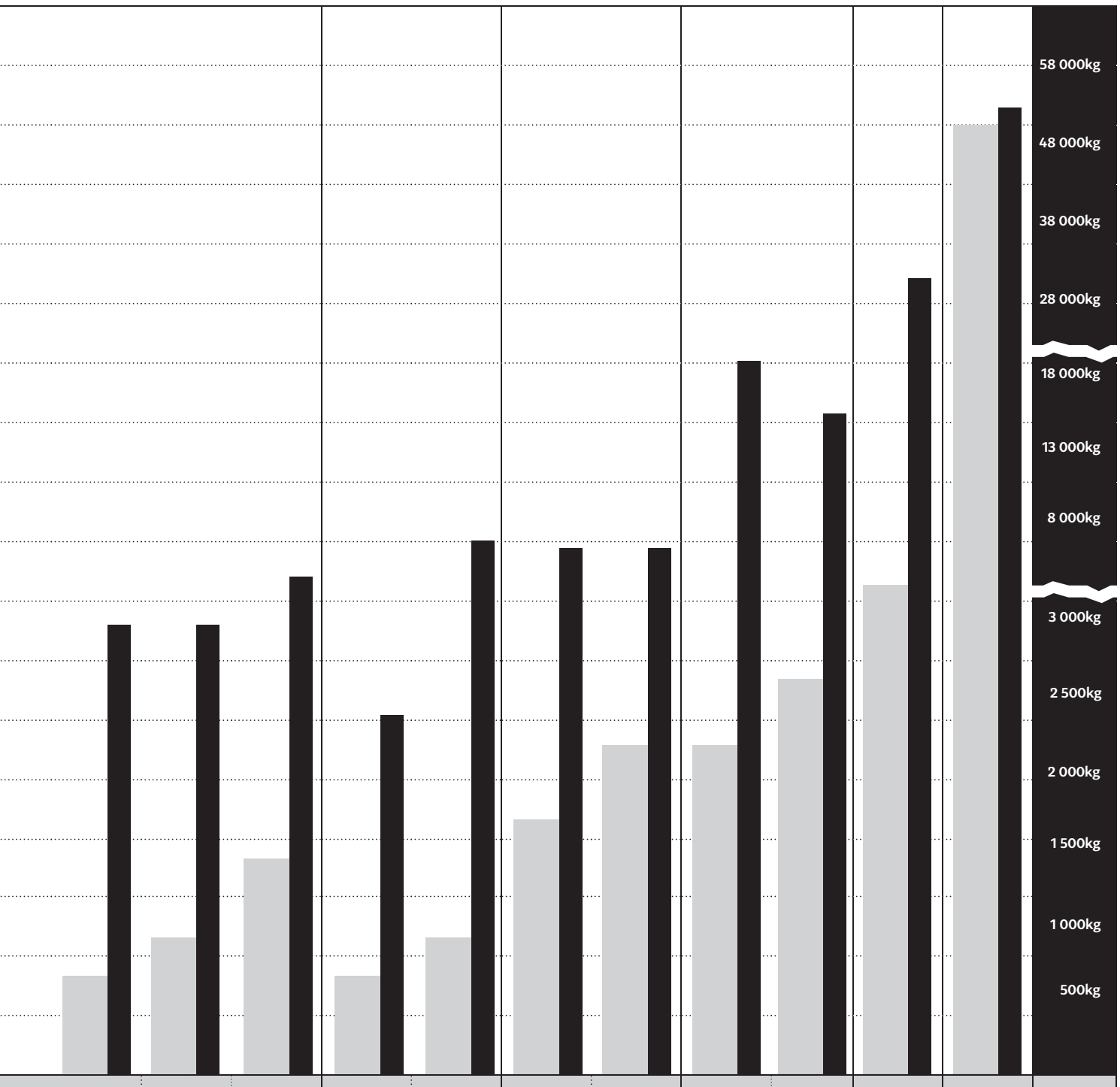


MILOS Roofs Overview

Stage size



Stage size	30m²	42m²	24m²	42m²	24m²	42m²	42m²	60m²
UDL	810kg	810kg	700kg	1 050kg	930kg	930kg	1 680kg	1 680kg
Clearance	**3.90m**		**4.70m**	**4.70m**	**5.40m**	**5.70m**	**5.30m**	**5.60m**
Roof type	**MR0 NGW**		**MR0 Sloping**		**MR1 Arched**		**MR1T Arched**	
	6x5m	8x6m	6x4m	8x6m	6x4m	8x6m	8x6m	10x6m



80m²	120m²	180m²	80m²	120m²	224m²	280m²	280m²	336m²	416m²	800m²
3 040kg	3 040kg	6 500kg	2 400kg	7 450kg	7 420kg	7 420kg	20 000kg	15 000kg	32 000kg	50 000kg
7.10m		10.50m	7.10m		11.50m		11.40m		14.00m	18.40m
MR2K Keder			MR2 Saddle		MR3 Saddle		MR5 Pitched		MR6	S-MR20
10x8m	12x10m	15x12m	10x8m	12x10m	16x14m	20x14m	20x14m	24x14m	26x16m	32x25m

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	kg	**3150** (6944)	**0.31** (0.68)

Available for SWL up to 6000 kg (13227 lbs)

Shackle

Code	kg / lbs	SWL	Weight
SHA-2t	kg	**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	kg	**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	kg	**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	kg	**5** (11)	**600mm** (23.6")
MSW20-10kg-750		**10** (22)	**750mm** (29.5")
MSW30-50kg-1000		**50** (110)	**1000mm** (394")

Available diameters: 3mm (0.09")

Steel flex

Code	kg / lbs	SWL	Weight
STE-F-1m-2t	kg	**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)

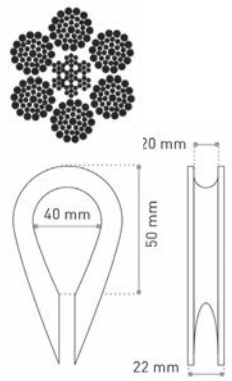
MILOS 25x900mm tensioning strap

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	m	ft	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.

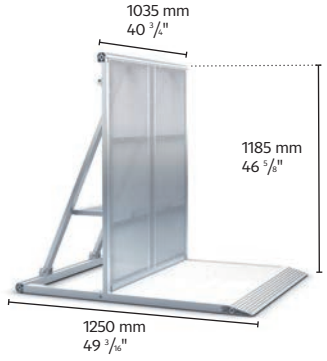
Crowd barriers

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 Ø = 8 mm holes



Crowd barrier – 1 m standard unit

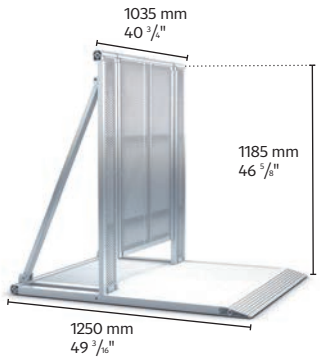
Code	kg	lbs
CWB-B	**41.2** (90.83)	

Crowd barrier – Half unit

Code	kg	lbs
CWB-BH	**20.8** (45.85)	

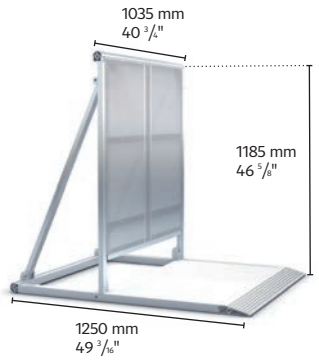
Crowd barrier – Variable corner

Code	kg	lbs
CWB-VC	**36.2** (79.80)	



Crowd barrier – Gate access

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

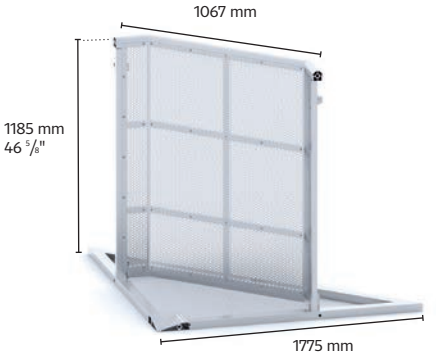


Crowd barrier – 1 m cable cross

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

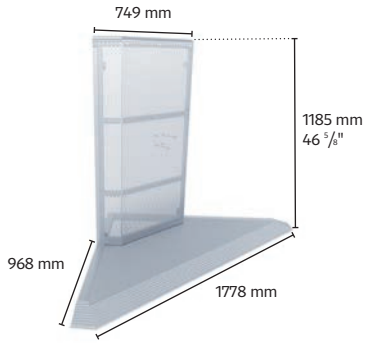
Crowd barrier – Cart up to 10 barriers

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



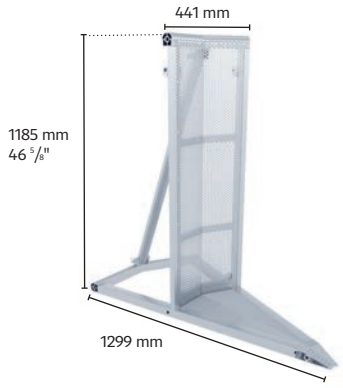
Crowd barrier – Inside corner 90°

Code	kg	lbs
CWB-IC90	**27.5**	(60.62)



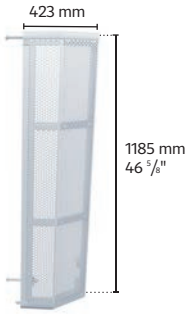
Crowd barrier – Outside corner 90°

Code	kg	lbs
CWB-OC90	**30.4**	(66.22)



Crowd barrier – Inside corner 30°

Code	kg	lbs
CWB-IC30	**15.8**	(34.83)



Crowd barrier – 90° Compensator

Code	kg	lbs
CWB-90C	**8.1**	(17.85)

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

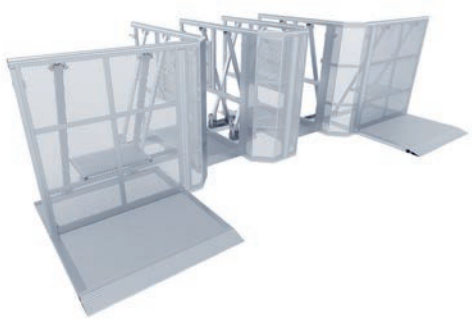
Code	kg	lbs
CWB-VLC	**19.1**	(42.1)

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

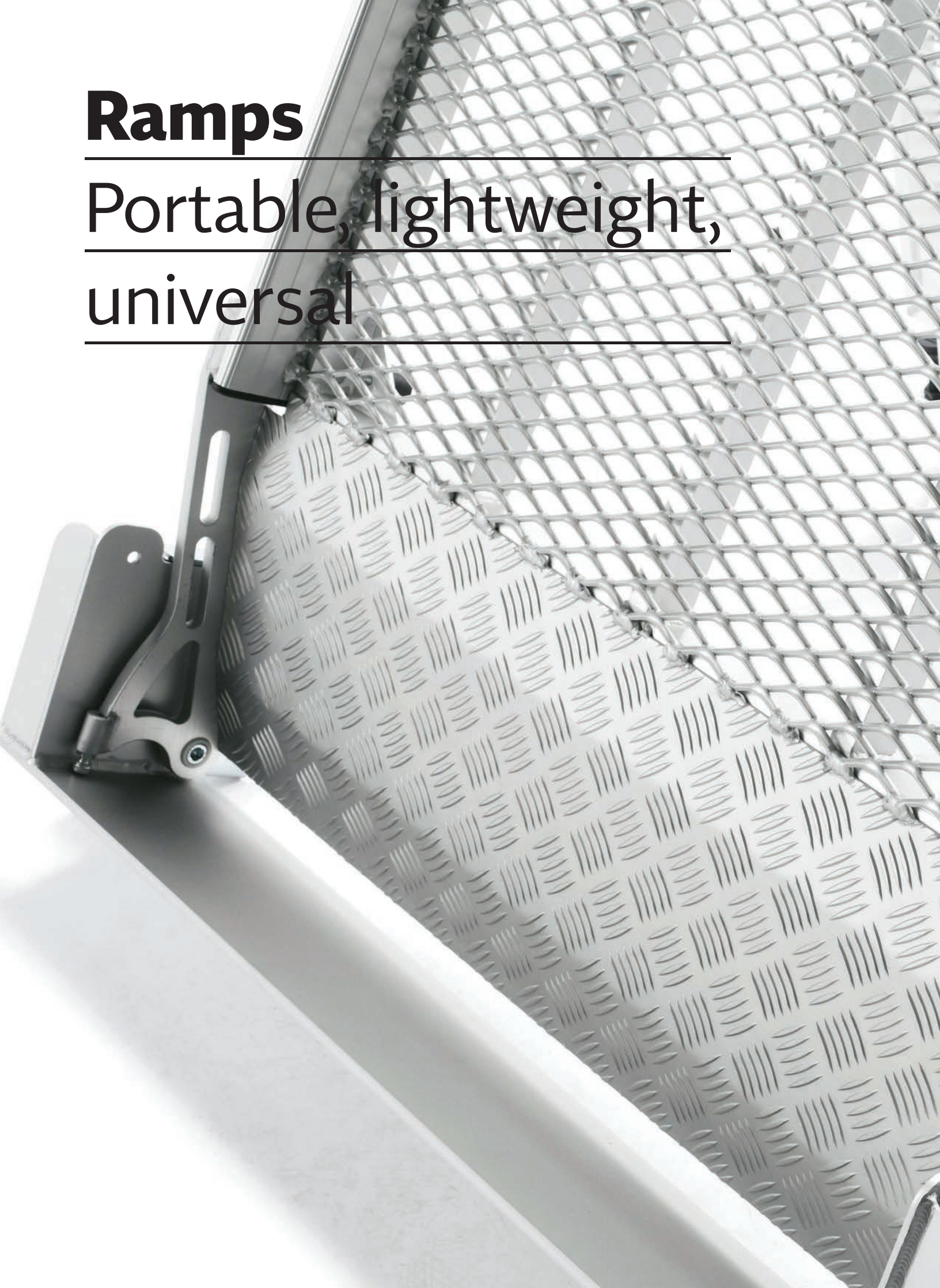
Connection set

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

Set of bolts

Ramps

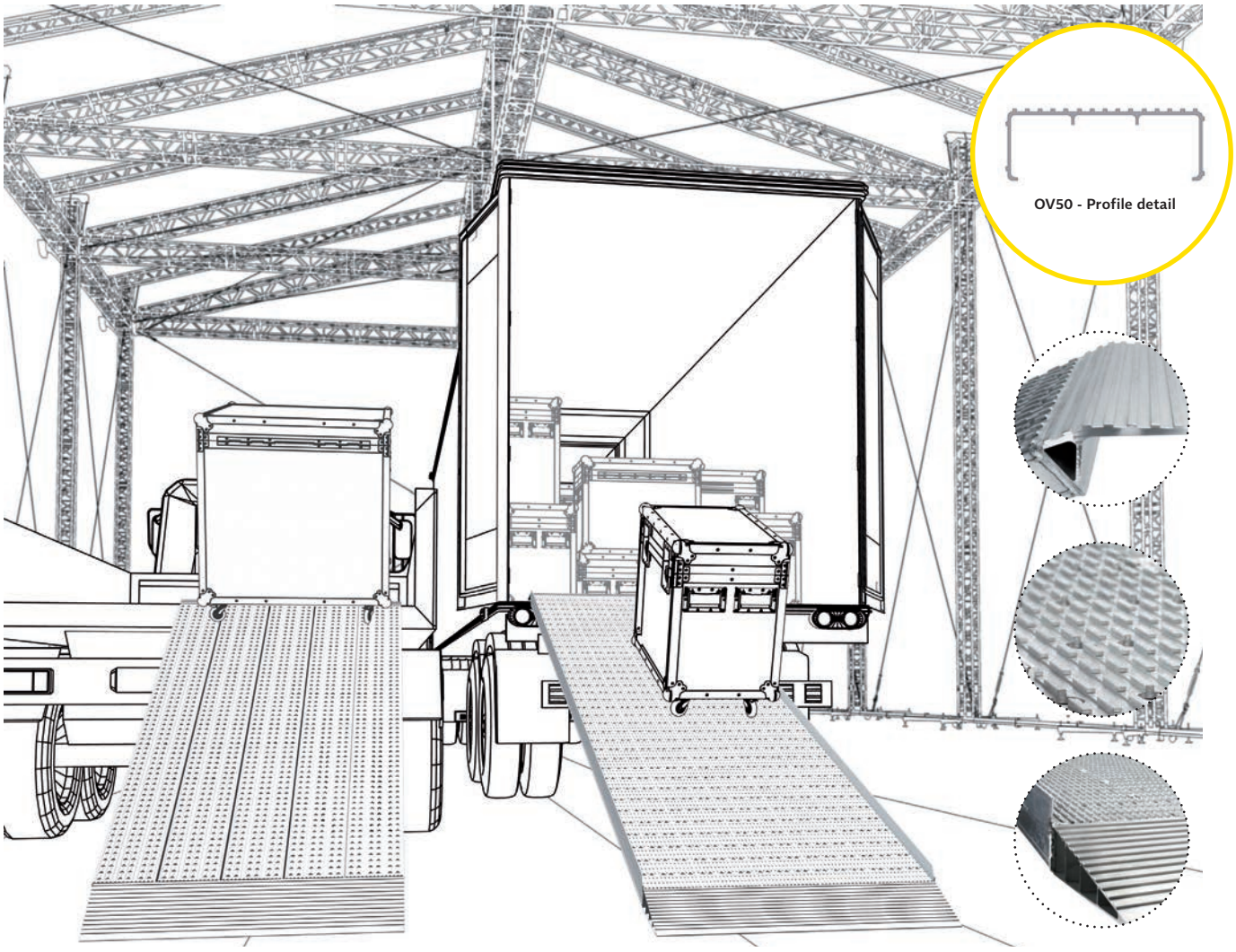
Portable, lightweight, universal

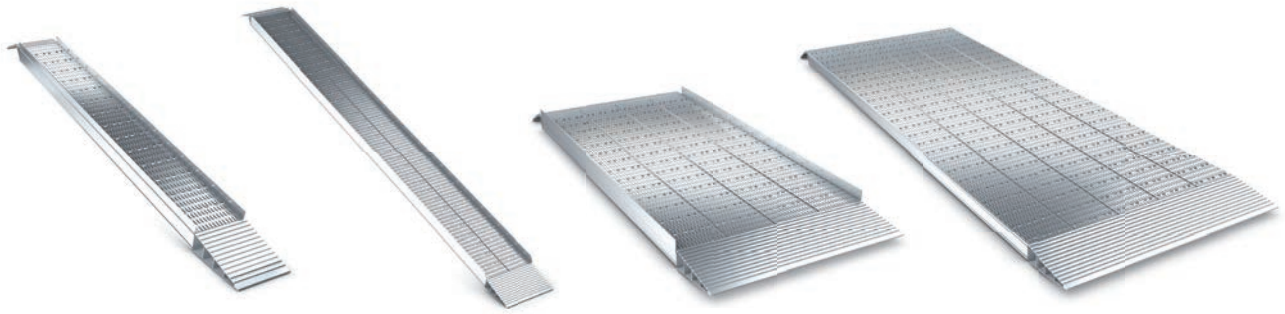


Use QR code
for full range

OV50 light ramps

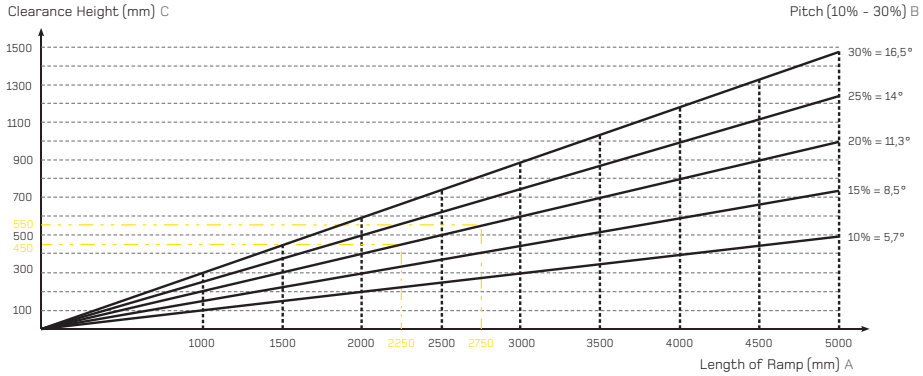
- Lightweight profile made of EN AW-6063 T6
- Raised side rails 45mm (1.77") as standard
- Anti-slip surface
- Loading capacity up to 1950 kg (4290 lbs)
- Length up to 5000mm (196.85")
- Wide selection of sizes
- Ultra heavy duty use
- Ideal for concert touring



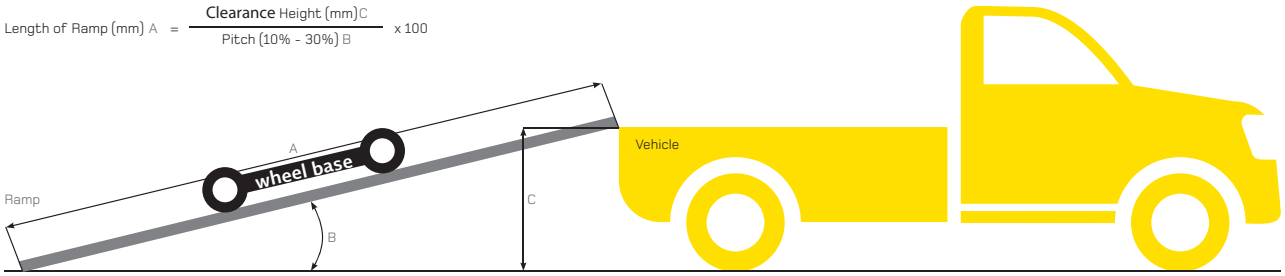


OV50

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")



Length of Ramp (mm) A = Clearance Height (mm) C / Pitch (10% - 30%) B x 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	(59.05)	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)

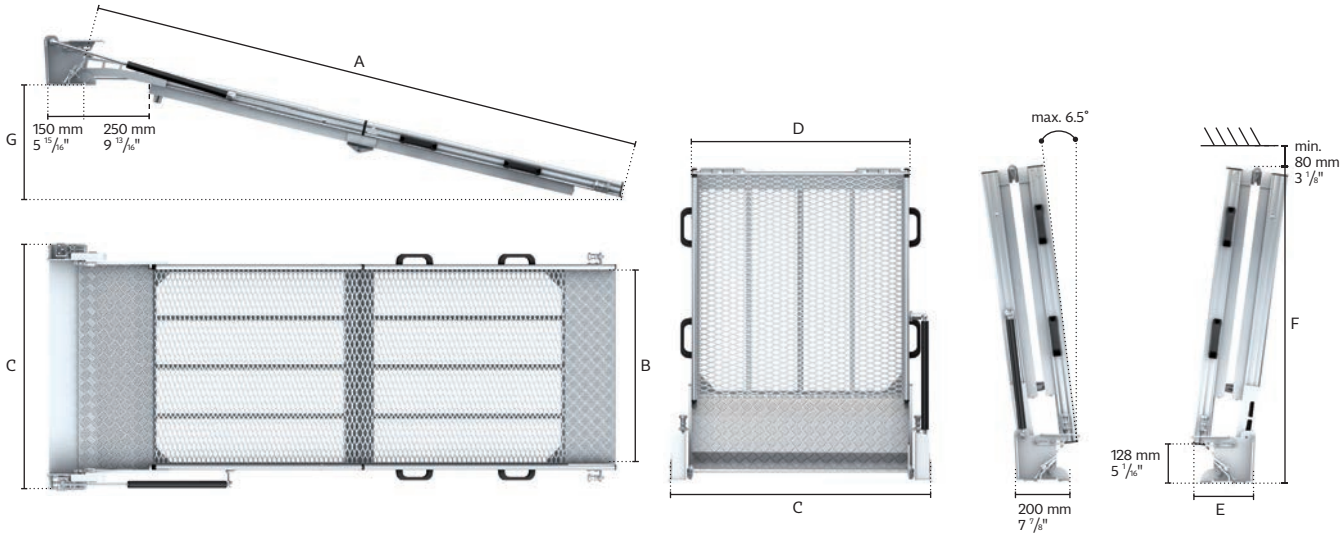
*SWL counted for 1250 mm wheelbase

Portable, lightweight, universal

RA10

Healthcare ramps

- Folding vehicle access ramp solution
- Designed for safe wheelchair access
- Loading capacity up to 400 Kg (881.7 lbs) for 500 mm wheelbase
- Maximum extended length up to 3240 mm (127.56")
- 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

Technical specifications

mm / in

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

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

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