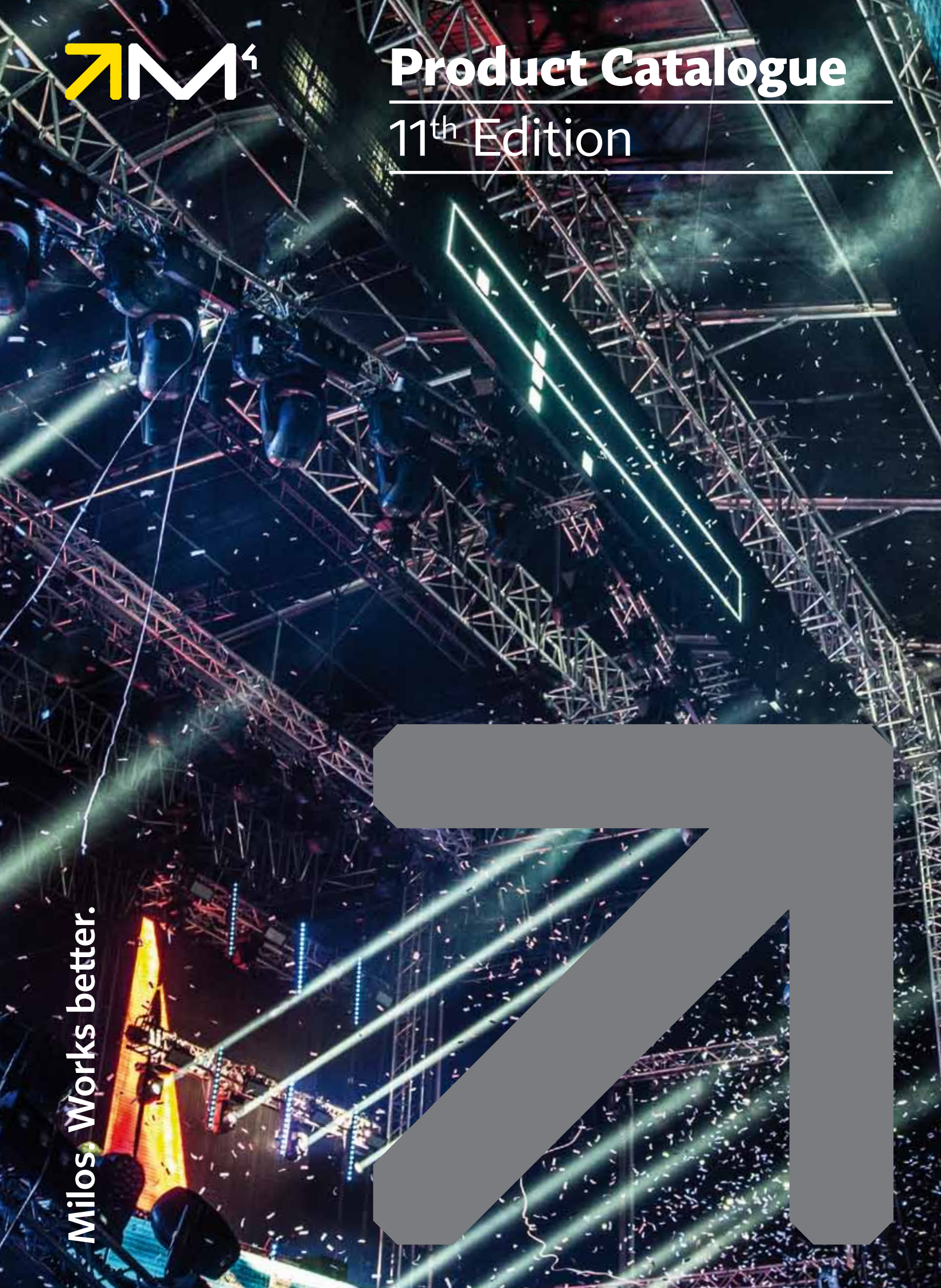
Product Catalogue

11th Edition



Milos. Works better.

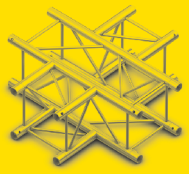
4 Small and Medium trusses



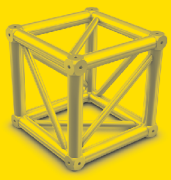
22 Big trusses



38 Junctions



56 Multicubes



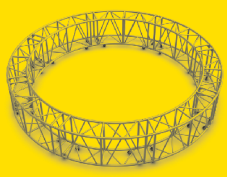
62 Bookcorners



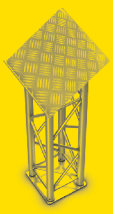
66 Xtruss



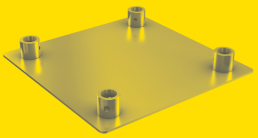
72 Circles and ellipses



78 Furniture & DJ Kits



82 Truss Accessories



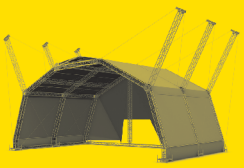
98 Cell clamps



112 Towers & LED screen structures



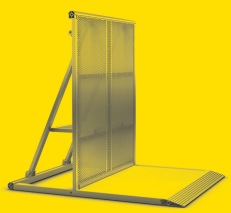
134 Roofs



162 Rigging accessories



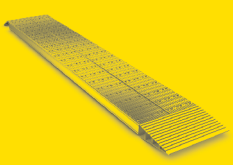
168 Crowd barriers



172 Xstages



192 Ramps



Small and medium trusses

Connecting the world





M100

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



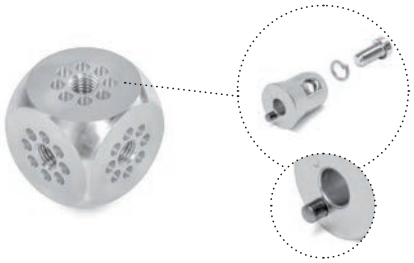
M100

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

M100	m / ft	**0.50** (1.64)	**1.00** (3.28)	**1.50** (4.92)	**2.00** (6.56)	**2.50** (8.20)	**3.00** (9.84)
	kg / lbs	**0.70** (1.67)	**1.10** (2.58)	**1.50** (3.48)	**1.90** (4.39)	**2.40** (5.29)	**2.80** (6.20)

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



CUBEB-UNI

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

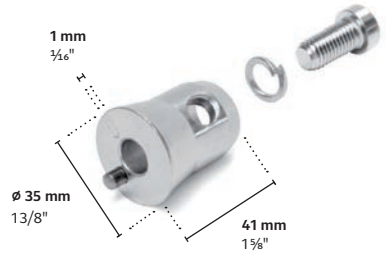
Universal multiconnection cube that's 360° adjustable



HINGEQB-UNI

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

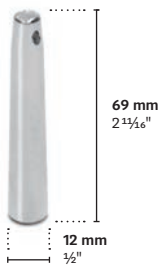
Universal hinge



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

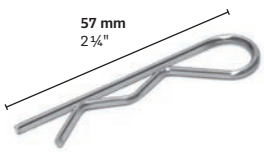
Series	kg	lbs
M100	**0.02** (0.04)	



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)	

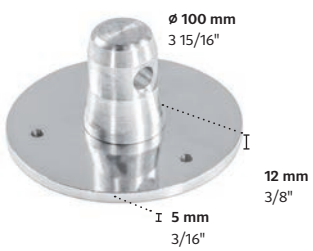
Safety R Clip B



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

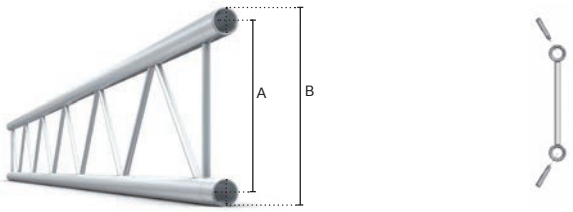
Series	kg	lbs
M100	**0.003** (0.007)	

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

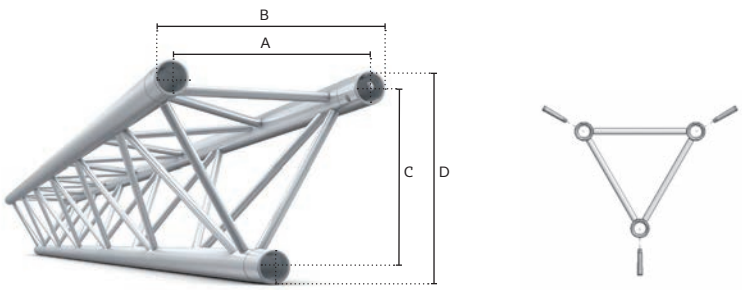


M222

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

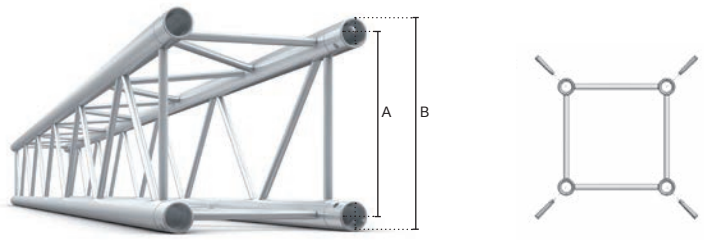


M222

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)	2.8 (6.35)	3.80 (8.38)
TRIO	kg (lbs)	1.00 (2.21)	2.00 (4.41)	2.70 (5.95)	3.70 (8.16)	4.50 (9.92)	5.30 (11.68)	7.00 (15.42)
QUATRO	kg (lbs)	1.40 (3.09)	2.60 (5.73)	3.70 (8.16)	4.80 (10.58)	5.50 (12.13)	6.60 (14.55)	9.40 (20.74)

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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	129.60	(87.09)	86.10	(57.86)	64.30	(43.21)	40.90	(27.48)	28.10	(18.88)	20.40	(13.71)	15.40	(10.35)
Deflection	mm (in)	1.50	(0.06)	4.90	(0.19)	11.60	(0.46)	18.20	(0.72)	26.20	(1.03)	35.70	(1.41)	46.70	(1.84)

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

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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	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)

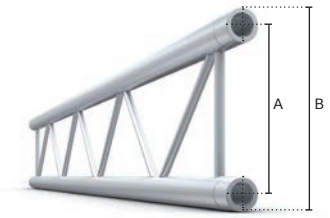
Point load	Two point load	Three point load	Four point load	Distributed point load

All truss loading calculations and TUV certifications are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 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

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



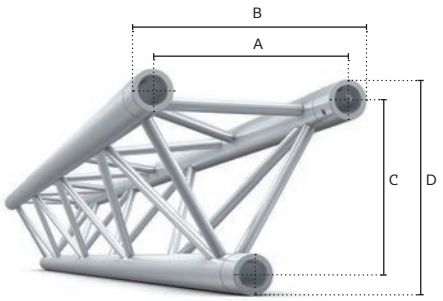


M290

mm / in

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

TRIO





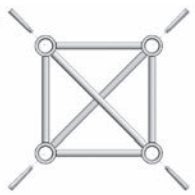
M290

mm / in

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

QUATRO





M290

mm / in

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	0.50 (1.64)	1.00 (3.28)	1.50 (4.92)	2.00 (6.56)	2.50 (8.20)	3.00 (9.84)	4.00 (13.12)	5.00 (16.41)
DUO	kg (lbs)	1.70 (3.75)	2.60 (5.73)	3.60 (7.94)	4.50 (9.92)	5.50 (12.13)	6.60 (14.55)	8.50 (18.74)	10.30 (22.71)
TRIO	kg (lbs)	2.80 (6.17)	4.50 (9.92)	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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	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)	14.00	(45.93)	16.00	(52.49)
Point load	kg (lbs)	497.20	(1096.14)	325.60	(717.82)	238.00	(524.70)	184.10	(405.87)	147.00	(324.08)	119.40	(263.23)	97.90	(215.83)
Deflection	mm (in)	10.60	(0.42)	24.00	(0.94)	43.10	(1.70)	68.10	(2.68)	99.50	(3.92)	137.70	(5.42)	183.20	(7.21)
Two point load	kg (lbs)	372.90	(822.10)	244.20	(538.37)	178.50	(393.52)	138.10	(304.46)	110.20	(242.95)	89.60	(197.53)	73.40	(161.82)
Deflection	mm (in)	13.50	(0.53)	30.40	(1.20)	54.10	(2.13)	84.80	(3.34)	122.50	(4.82)	167.40	(6.59)	219.60	(8.65)
Three point load	kg (lbs)	248.60	(548.07)	162.80	(358.91)	119.00	(262.35)	92.00	(202.83)	73.50	(162.04)	59.70	(131.62)	48.90	(107.81)
Deflection	mm (in)	12.50	(0.49)	28.30	(1.11)	50.50	(1.99)	79.40	(3.13)	115.00	(4.53)	157.70	(6.21)	207.80	(8.18)
Four point load	kg (lbs)	207.20	(456.80)	135.70	(299.17)	99.20	(218.70)	76.70	(169.09)	61.20	(134.92)	49.80	(109.79)	40.80	(89.95)
Deflection	mm (in)	13.30	(0.52)	30.00	(1.18)	53.40	(2.10)	83.70	(3.30)	121.00	(4.76)	165.50	(6.52)	217.30	(8.56)
Distrib. loading	kg (lbs)	248.60	(167.05)	108.50	(72.91)	59.50	(39.98)	36.80	(24.73)	24.50	(16.46)	17.10	(11.49)	12.20	(8.20)
Deflection	mm (in)	13.20	(0.52)	29.70	(1.17)	53.00	(2.09)	83.10	(3.27)	120.20	(4.73)	164.40	(6.47)	216.00	(8.50)

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)	14.00	(45.93)	16.00	(52.49)
Point load	kg (lbs)	1155.40	(2547.22)	762.50	(1681.02)	563.70	(1242.74)	442.50	(975.54)	360.20	(794.10)	300.00	(661.39)	253.80	(559.53)
Deflection	mm (in)	12.30	(0.48)	27.80	(1.09)	49.70	(1.96)	78.30	(3.08)	113.70	(4.48)	156.20	(6.15)	206.40	(8.13)
Two point load	kg (lbs)	665.30	(1466.73)	571.90	(1260.82)	422.80	(932.11)	331.90	(731.71)	270.10	(595.47)	225.00	(496.04)	190.30	(419.54)
Deflection	mm (in)	12.10	(0.48)	35.40	(1.39)	63.00	(2.48)	98.50	(3.88)	142.10	(5.59)	193.90	(7.63)	253.90	(10.00)
Three point load	kg (lbs)	443.50	(977.75)	381.30	(840.62)	281.80	(621.26)	221.30	(487.88)	180.10	(397.05)	150.00	(330.69)	126.90	(279.77)
Deflection	mm (in)	11.20	(0.44)	32.90	(1.30)	58.70	(2.31)	91.90	(3.62)	132.90	(5.23)	181.70	(7.15)	238.50	(9.39)
Four point load	kg (lbs)	332.60	(733.26)	317.70	(700.41)	234.90	(517.87)	184.40	(406.53)	150.10	(330.91)	125.00	(275.58)	105.70	(233.03)
Deflection	mm (in)	10.70	(0.42)	34.90	(1.37)	62.10	(2.44)	97.20	(3.83)	140.30	(5.52)	191.50	(7.54)	250.90	(9.88)
Distrib. loading	kg (lbs)	332.60	(223.50)	220.20	(147.97)	140.90	(94.68)	88.50	(59.47)	60.00	(40.32)	42.90	(28.83)	31.70	(21.30)
Deflection	mm (in)	8.90	(0.35)	30.10	(1.19)	61.60	(2.43)	96.50	(3.80)	139.30	(5.48)	190.10	(7.48)	249.20	(9.81)

Higher loading values for U version available

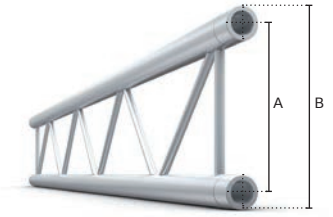
Point load	Two point load	Three point load	Four point load	Distributed point load

All truss loading calculations and TUV certifications are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 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

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



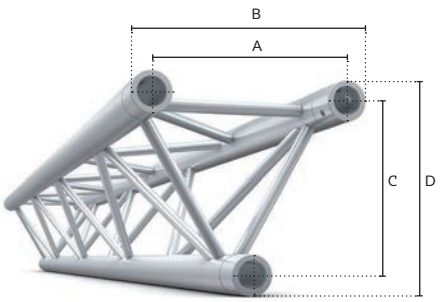


M290V

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



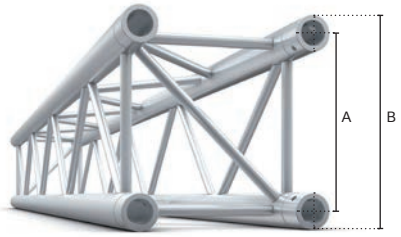


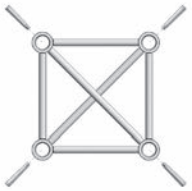
M290V

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)	3.00 (6.75)	4.30 (9.57)	5.70 (12.57)	6.90 (15.21)	8.10 (17.86)	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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	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)	14.00	(45.93)	16.00	(52.49)
Point load	kg (lbs)	700.50	(1544.34)	459.80	(1013.68)	337.30	(743.62)	262.10	(577.83)	210.50	(464.07)	172.40	(380.08)	142.80	(314.82)
Deflection	mm (in)	10.60	(0.42)	24.00	(0.94)	43.10	(1.70)	68.00	(2.68)	99.20	(3.91)	137.00	(5.39)	182.00	(7.17)
Two point load	kg (lbs)	525.40	(1158.31)	344.90	(760.37)	253.00	(557.77)	196.60	(433.43)	157.90	(348.11)	129.30	(285.06)	107.10	(236.11)
Deflection	mm (in)	13.50	(0.53)	30.50	(1.20)	54.30	(2.14)	85.00	(3.35)	122.70	(4.83)	167.60	(6.60)	219.80	(8.65)
Three point load	kg (lbs)	350.20	(772.06)	229.90	(506.84)	168.70	(371.92)	131.00	(288.81)	105.30	(232.15)	86.20	(190.04)	71.40	(157.41)
Deflection	mm (in)	12.60	(0.50)	28.40	(1.12)	50.60	(1.99)	79.50	(3.13)	115.10	(4.53)	157.70	(6.21)	207.50	(8.17)
Four point load	kg (lbs)	287.80	(634.49)	191.60	(422.41)	140.50	(309.75)	109.20	(240.74)	87.70	(193.35)	71.80	(158.29)	59.50	(131.17)
Deflection	mm (in)	13.20	(0.52)	30.10	(1.19)	53.60	(2.11)	83.90	(3.30)	121.20	(4.77)	165.70	(6.52)	217.40	(8.56)
Distrib. loading	kg (lbs)	287.80	(193.39)	153.30	(103.01)	84.30	(56.65)	52.40	(35.21)	35.10	(23.59)	24.60	(16.53)	17.80	(11.96)
Deflection	mm (in)	10.90	(0.43)	29.80	(1.17)	53.10	(2.09)	83.30	(3.28)	120.40	(4.74)	164.60	(6.48)	216.00	(8.50)

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)	14.00	(45.93)	16.00	(52.49)
Point load	kg (lbs)	1328.00	(2927.74)	1076.00	(2372.17)	797.70	(1758.63)	628.60	(1385.82)	514.10	(1133.40)	430.80	(949.75)	366.90	(808.88)
Deflection	mm (in)	10.10	(0.40)	27.90	(1.10)	49.70	(1.96)	78.20	(3.08)	113.30	(4.46)	155.50	(6.12)	205.00	(8.07)
Two point load	kg (lbs)	664.00	(1463.87)	658.70	(1452.18)	598.30	(1319.02)	471.40	(1039.26)	385.60	(850.10)	323.10	(712.31)	275.20	(606.71)
Deflection	mm (in)	8.60	(0.34)	29.00	(1.14)	63.10	(2.48)	98.70	(3.89)	142.30v	(5.60)	194.00	(7.64)	254.00	(10.00)
Three point load	kg (lbs)	442.70	(975.99)	439.10	(968.05)	398.90	(879.42)	314.30	(692.91)	257.00	(566.59)	215.40	(474.88)	183.50	(404.55)
Deflection	mm (in)	8.00	(0.31)	27.00	(1.06)	58.70	(2.31)	92.00	(3.62)	132.90	(5.23)	181.50	(7.15)	238.00	(9.37)
Four point load	kg (lbs)	332.00	(731.93)	329.30	(725.98)	326.70	(720.25)	261.90	(577.39)	214.20	(472.23)	179.50	(395.73)	152.90	(337.09)
Deflection	mm (in)	7.70	(0.30)	25.80	(1.02)	61.20	(2.41)	97.40	(3.83)	140.50	(5.53)	191.60	(7.54)	250.80	(9.87)
Distrib. loading	kg (lbs)	332.00	(223.09)	219.60	(147.56)	163.30	(109.73)	125.70	(84.47)	85.70	(57.59)	61.50	(41.33)	45.90	(30.84)
Deflection	mm (in)	6.30	(0.25)	21.40	(0.84)	50.90	(2.00)	96.60	(3.80)	139.40	(5.49)	190.20	(7.49)	249.10	(9.81)

Point load	Two point load	Three point load	Four point load	Distributed point load

All truss loading calculations and TUV certifications are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 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

M290E

- Modular truss series with integrated lighting track
- Perfect for retail, display & architectural environments
- Supplied with 3x16 amp mains track (Eutrac)
- Track adapters & accessories to suit a wide range of lighting fixtures
- Custom lengths & curves available
- Connection kit supplied with every truss component
- Powder coat colour finish available on request

DUO



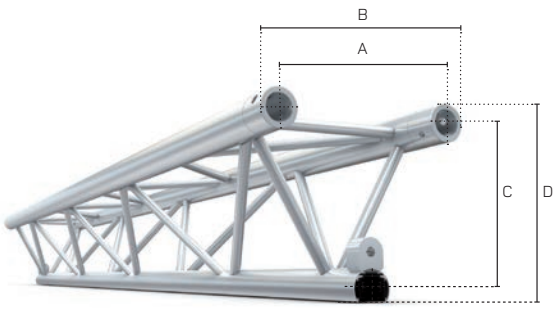


M290E

mm (in)

	Main Chords	Diagonals	Alloy	A	B	Coupler
BTBE	**50x2** (2x0.08)	**16x2** (0.62x0.08)	**EN - AW 6082 T6**	**240** (9.44)	**279** (10.98)	**CCB + Bolt M10x45**
BTFE	**50x2** (2x0.08)	**16x2** (0.62x0.08)	**EN - AW 6082 T6**	**240** (9.44)	**279** (10.98)	**CCF + Bolt M10x45**
BTUE	**50x2** (2x0.08)	**20x2** (0.78x0.08)	**EN - AW 6082 T6**	**240** (9.44)	**279** (10.98)	**CCU + Bolt M10x45**

TRIO





M290E

mm (in)

	Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
STBE	**50x2** (2x0.08)	**16x2** (0.62x0.08)	**EN - AW 6082 T6**	**240** (9.44)	**290** (11.41)	**207** (8.15)	**247** (9.72)	**CCB + Bolt M12x45**
STFE	**50x2** (2x0.08)	**16x2** (0.62x0.08)	**EN - AW 6082 T6**	**240** (9.44)	**290** (11.41)	**207** (8.15)	**247** (9.72)	**CCF + Bolt M12x45**
STUE	**50x2** (2x0.08)	**20x2** (0.78x0.08)	**EN - AW 6082 T6**	**240** (9.44)	**290** (11.41)	**207** (8.15)	**247** (9.72)	**CCU + Bolt M12x45**

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** (3.73)	**3.00** (6.66)	**4.30** (9.57)	**5.70** (12.06)	**6.90** (15.39)	**8.30** (18.48)	**10.60** (23.48)	**13.50** (29.96)
TRIO	kg (lbs)	**2.80** (6.33)	**4.80** (10.75)	**4.20** (9.26)	**8.80** (19.53)	**10.80** (23.92)	**12.80** (28.31)	**16.50** (36.44)	**13.50** (45.92)

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



EUT 01	Eutrac electro straight coupler



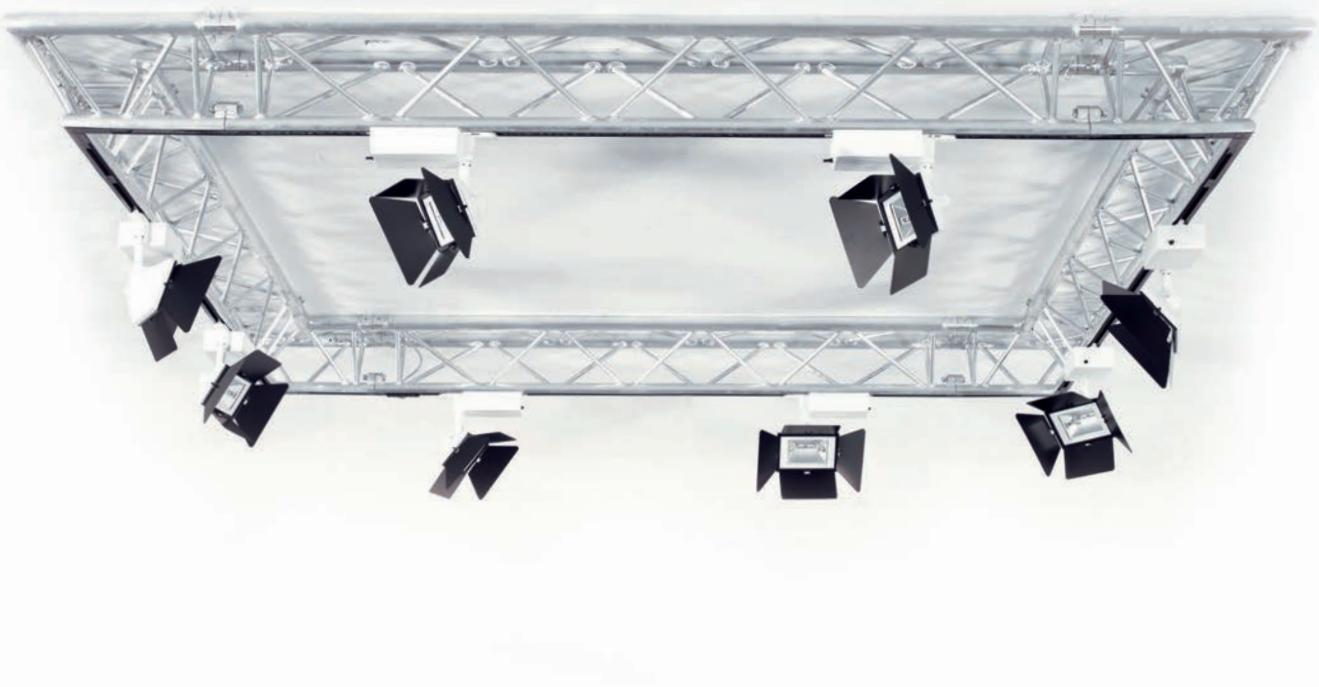
EUT 02	Eutrac end cap



EUT 03	Eutrac earth contact



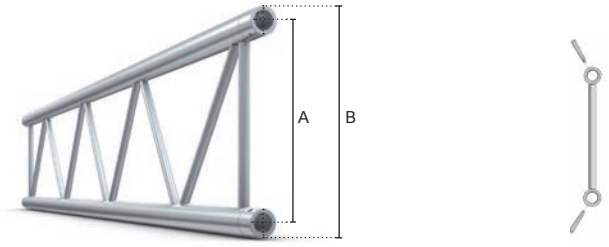
EUT 04	Eutrac floating mid feed



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

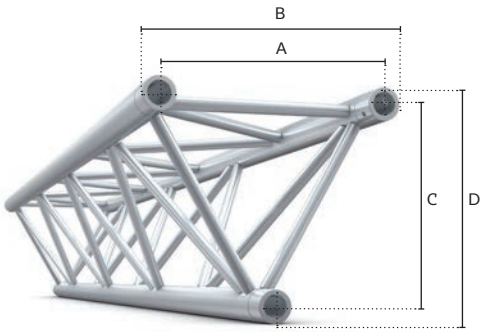


M390

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





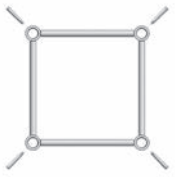
M390

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)	2.60 (5.87)	3.70 (8.16)	4.70 (10.43)	5.70 (12.72)	6.80 (14.99)	8.80 (19.56)	10.90 (24.12)
TRIO	kg (lbs)	3.10 (6.84)	4.70 (10.53)	7.10 (15.65)	8.80 (19.04)	10.10 (22.27)	12.90 (22.48)	16.00 (35.36)	19.70 (43.63)
QUATRO	kg (lbs)	4.10 (9.04)	6.30 (14.04)	9.10 (20.06)	11.50 (25.35)	13.90 (30.64)	16.30 (36.12)	21.50 (47.4)	26.30 (58.18)

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)
Point load	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)
Two point load	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
Three point load	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)
Four point load	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
Distrib. loading	kg (lbs)	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)	14.00	(45.93)	16.00	(52.49)
Point load	kg (lbs)	705.10	(1554.48)	462.20	(1018.98)	338.50	(746.26)	262.40	(578.49)	210.10	(463.19)	171.40	(377.87)	141.20	(311.29)
Deflection	mm (in)	7.60	(0.30)	17.20	(0.68)	30.80	(1.21)	48.70	(1.92)	71.00	(2.80)	98.20	(3.87)	130.60	(5.14)
Two point load	kg (lbs)	528.80	(1165.80)	346.70	(764.34)	253.90	(559.75)	196.80	(433.87)	157.50	(347.23)	128.50	(283.29)	105.90	(233.47)
Deflection	mm (in)	9.70	(0.38)	21.80	(0.86)	38.80	(1.53)	60.70	(2.39)	87.70	(3.45)	119.80	(4.72)	157.10	(6.19)
Three point load	kg (lbs)	352.50	(777.13)	231.10	(509.49)	169.20	(373.02)	131.20	(289.25)	105.00	(231.49)	85.70	(188.94)	70.60	(155.65)
Deflection	mm (in)	9.00	(0.35)	20.30	(0.80)	36.20	(1.43)	56.80	(2.24)	82.30	(3.24)	112.80	(4.44)	148.50	(5.85)
Four point load	kg (lbs)	293.80	(647.72)	192.60	(424.61)	141.00	(310.85)	109.30	(240.96)	87.50	(192.90)	71.40	(157.41)	58.80	(129.63)
Deflection	mm (in)	9.50	(0.37)	21.50	(0.85)	38.20	(1.50)	59.90	(2.36)	86.60	(3.41)	118.40	(4.66)	155.40	(6.12
Distrib. loading	kg (lbs)	352.50	(236.87)	154.10	(103.55)	84.60	(56.85)	52.50	(35.28)	35.00	(23.52)	24.50	(16.46)	17.60	(11.83)
Deflection	mm (in)	9.40	(0.37)	21.30	(0.84)	38.00	(1.50)	59.50	(2.34)	86.00	(3.39)	117.60	(4.63)	154.50	(6.08)

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)	14.00	(45.93)	16.00	(52.49)
Point load	kg (lbs)	1491.00	(3287.09)	1083.30	(2388.26)	802.70	(1769.65)	632.10	(1393.54)	516.50	(1138.69)	432.30	(953.06)	367.80	(810.86)
Deflection	mm (in)	8.00	(0.31)	19.80	(0.78)	35.40	(1.39)	55.60	(2.19)	80.70	(3.18)	110.70	(4.36)	146.00	(5.75)
Two point load	kg (lbs)	946.00	(2085.57)	747.00	(1646.85)	602.00	(1327.18)	474.10	(1045.21)	387.40	(854.07)	324.20	(714.74)	275.80	(608.03)
Deflection	mm (in)	8.60	(0.34)	23.20	(0.91)	44.90	(1.77)	70.20	(2.76)	101.20	(3.98)	138.10	(5.44)	180.70	(7.11)
Three point load	kg (lbs)	713.00	(1571.89)	541.70	(1194.24)	401.30	(884.71)	316.00	(696.66)	258.20	(569.23)	216.10	(476.42)	183.90	(405.43)
Deflection	mm (in)	9.10	(0.36)	23.50	(0.93)	41.80	(1.65)	65.50	(2.58)	94.60	(3.72)	129.20	(5.09)	169.40	(6.67)
Four point load	kg (lbs)	586.00	(1291.91)	451.40	(995.17)	334.50	(737.45)	263.40	(580.70)	215.20	(474.43)	180.10	(397.05)	153.20	(337.75)
Deflection	mm (in)	9.50	(0.37)	24.90	(0.98)	44.30	(1.74)	69.30	(2.73)	99.90	(3.93)	136.30	(5.37)	178.50	(7.03)
Distrib. loading	kg (lbs)	623.30	(418.84)	361.10	(242.65)	200.70	(134.86)	126.40	(84.94)	86.10	(57.86)	61.80	(41.53)	46.00	(30.91)
Deflection	mm (in)	8.40	(0.33)	24.70	(0.97)	43.90	(1.73)	68.70	(2.70)	99.20	(3.91)	135.30	(5.33)	177.20	(6.98)

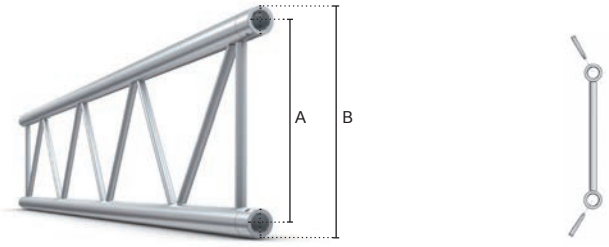
Point load	Two point load	Three point load	Four point load	Distributed point load

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Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 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

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

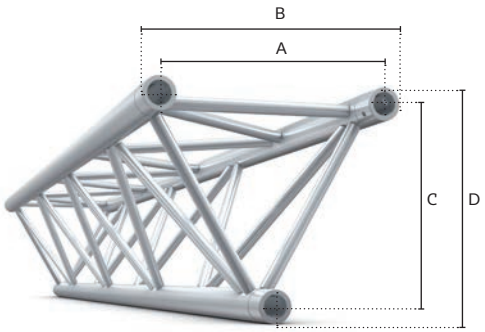


M390L

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





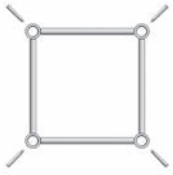
M390L

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)	7.20 (16.03)	8.60 (19.05)	11.30 (25.07)	14.10 (31.11)
TRIO	kg (lbs)	3.10 (6.88)	5.60 (12.35)	7.90 (17.46)	10.50 (23.15)	12.60 (27.93)	15.30 (33.73)	20.50 (45.20)	25.00 (55.12)
QUATRO	kg (lbs)	3.50 (7.83)	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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	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)	18.00	(59.06)
Point load	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)	178.70	(393.97)
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)	165.00	(6.50)
Two point load	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)	134.00	(295.42)
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)	199.00	(7.83)
Three point load	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)	89.30	(196.87)
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)	188.00	(7.40)
Four point load	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)	74.40	(164.02)
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)	196.90	(7.75)
Distrib. loading	kg (lbs)	218.30	(146.69)	120.60	(81.04)	75.40	(50.67)	50.90	(34.20)	36.10	(24.26)	26.40	(17.74)	19.90	(13.37)
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)	195.60	(7.70)

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)	18.00	(59.06)
Point load	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)	455.40	(1003.98)
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)	185.60	(7.31)
Two point load	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)	341.50	(752.88)
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)	229.20	(9.02)
Three point load	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)	227.70	(501.99)
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)	215.00	(8.46)
Four point load	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)	189.70	(418.22)
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)	226.40	(8.91)
Distrib. loading	kg (lbs)	412.60	(277.25)	283.40	(190.44)	178.90	(120.22)	122.20	(82.11)	88.00	(59.13)	65.80	(44.22)	50.60	(34.00)
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)	224.80	(8.85)

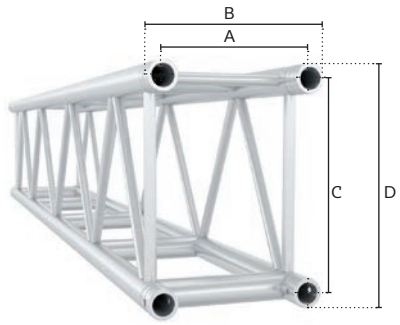
Point load	Two point load	Three point load	Four point load	Distributed point load

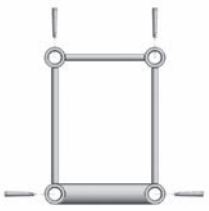
All truss loading calculations and TUV certifications are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 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

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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	**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)
Point load	**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)
Two point load	**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)
Three point load	**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)
Four point load	**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)
Distrib. loading	**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)	**10.90** (24.03)	**14.10** (32.85)	**17.30** (38.14)	**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

Point load	Two point load	Three point load	Four point load	Distributed point load

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Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 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



Big trusses

Strength

with style

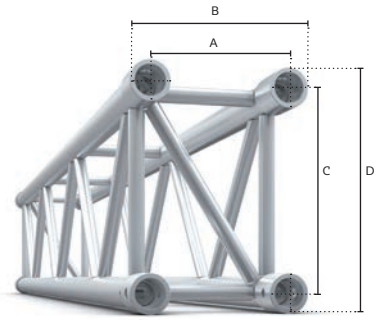


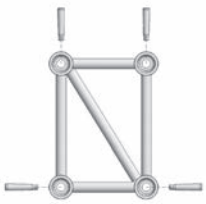


M400

- 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

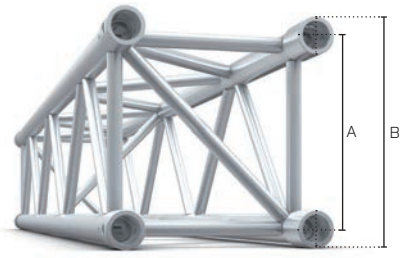


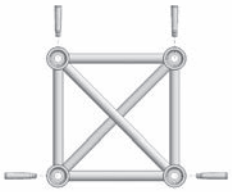


M400

		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)	**6.70** (14.9)	**10.70** (23.77)	**14.70** (32.58)	**18.50** (40.81)	**22.50** (49.61)	**26.50** (58.42)	**33.90** (74.87)
QUATRO	kg (lbs)	**7.40** (16.31)	**11.90** (26.37)	**16.40** (36.31)	**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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	1230.50	(2712.78)	880.70	(1941.61)	608.70	(1341.95)	444.70	(980.39)	338.30	(745.82)	265.30	(584.89)	213.20)	470.02)
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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	174.50	(384.71)	145.20	(320.11)	122.30	(269.63)	104.20	(229.72)	89.50	(197.31)	77.60	(171.08)	59.30	(130.73)	46.30	(102.07)
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)

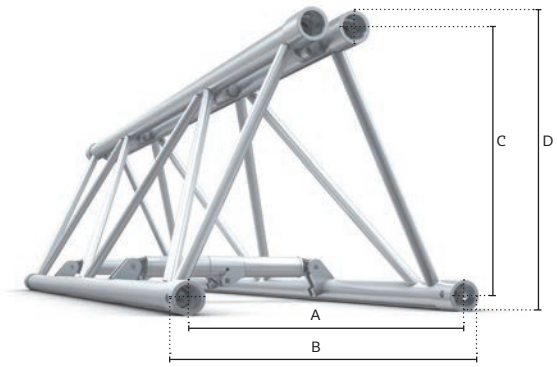
Point load	Two point load	Three point load	Four point load	Distributed point load

All truss loading calculations and TUV certifications are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 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

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

FOLD





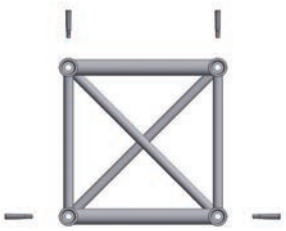
M520

FTP — mm / in

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

QUATRO





M520

QTP — mm / in

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

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	1.00 (3.28)	1.20 (3.94)	1.50 (4.92)	1.60 (5.25)	2.00 (6.56)	2.40 (7.87)	2.50 (8.20)	3.00 (9.84)	3.50 (11.48)	4.00 (13.12)
FOLD	kg (lbs)	13.40 (29.54)	14.50 (32.03)	-	13.40 (29.54)	14.50 (32.03)	29.10 (62.83)	-	32.00 (70.55)	-	-
QUATRO	kg (lbs)	17.00 (37.48)	18.40 (40.70)	21.70 (47.97)	-	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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	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)

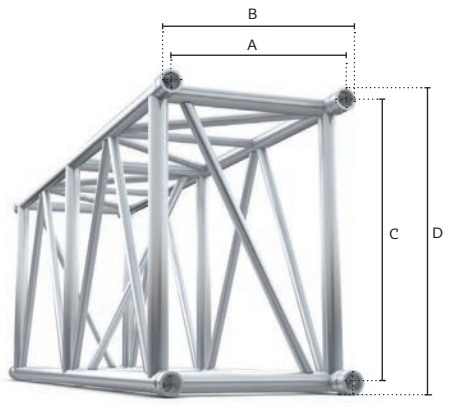
Point load	Two point load	Three point load	Four point load	Distributed point load

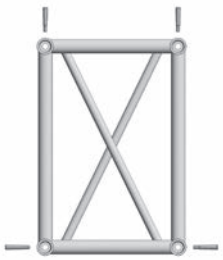
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M760

- 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 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

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

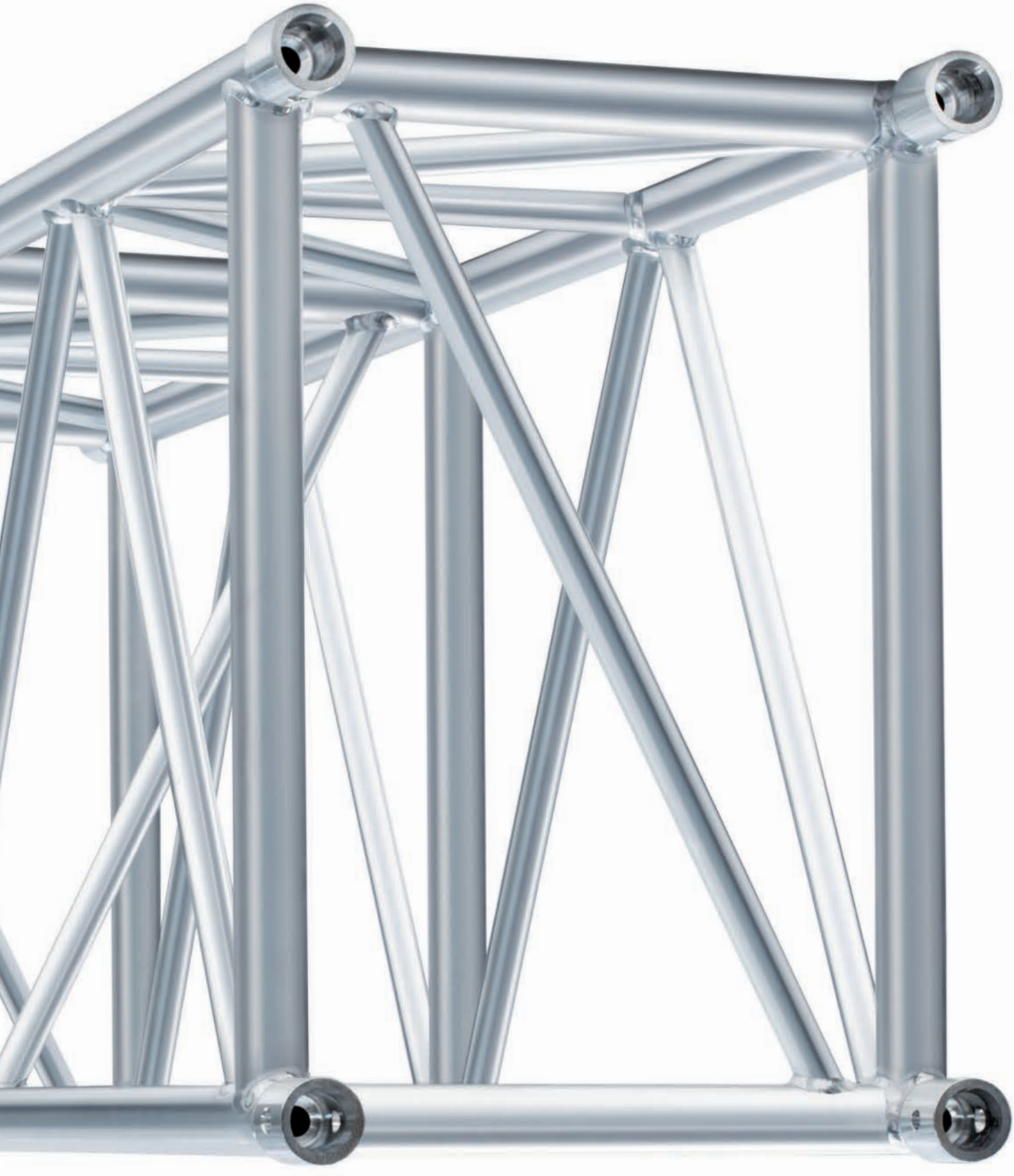
Span	m (ft)	6.00	(19.69)	8.00	(26.25)	10.00	(32.81)	12.00	(39.37)	14.00	(45.93)	16.00	(52.49)
Point load	kg (lbs)	4279.70	(9435.11)	3238.20	(7139.00)	2557.50	(5638.32)	2097.60	(4624.41)	1763.90	(3888.73)	1509.00	(3326.77)
Deflection	mm (in)	9.40	(0.37)	17.00	(0.67)	26.70	(1.05)	38.70	(1.52)	53.00	(2.09)	69.80	(2.75)
Two point load	kg (lbs)	2139.90	(4717.67)	2121.50	(4677.10)	1918.20	(4228.90)	1573.20	(3468.31)	1322.90	(2916.49)	1131.80	(2495.19)
Deflection	mm (in)	8.00	(0.31)	18.90	(0.74)	33.80	(1.33)	48.70	(1.92)	66.40	(2.61)	86.80	(3.42)
Three point load	kg (lbs)	1426.60	(3145.11)	1414.30	(3117.99)	1278.80	(2819.27)	1048.80	(2312.21)	882.00	(1944.47)	754.50	(1663.39)
Deflection	mm (in)	7.40	(0.29)	17.60	(0.69)	31.50	(1.24)	45.40	(1.79)	62.00	(2.44)	81.30	(3.20)
Four point load	kg (lbs)	1069.90	(2358.72)	1060.80	(2338.66)	1051.60	(2318.38	(874.00)	1926.84	(735.00)	1620.40	(628.80)	1386.27)
Deflection	mm (in)	7.10	(0.28)	16.80	(0.66)	32.90	(1.30)	48.00	(1.89)	65.50	(2.58)	85.70	(3.37)
Distrib. loading	kg (lbs)	713.30	(479.32)	530.40	(356.41)	420.60	(282.63)	347.50	(233.51)	252.00	(169.34)	188.60	(126.73)
Deflection	mm (in)	5.90	(0.23)	14.00	(0.55)	27.40	(1.08)	47.40	(1.87)	65.00	(2.56)	85.10	(3.35)

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)
Point load	1306.70	(2880.78)	1141.20	(2515.91)	1002.40	(2209.91)	883.70	(1948.22)	780.40	(1720.49)	689.30	(1519.64)	607.90	(1340.19)
Deflection	89.10	(3.51)	111.00	(4.37)	135.80	(5.35)	163.50	(6.44)	194.30	(7.65)	228.30	(8.99)	265.80	(10.46)
Two point load	980.00	(2160.53)	855.90	(1886.93)	751.80	(1657.43)	662.80	(1461.22)	585.30	(1290.36)	517.00	(1139.79)	455.90	(1005.09)
Deflection	110.10	(4.33)	136.20	(5.36)	165.30	(6.51)	197.20	(7.76)	232.20	(9.14)	270.10	(10.63)	311.10	(12.25)
Three point load	653.30	(1440.28)	570.60	(1257.96)	501.20	(1104.96)	441.80	(974.00)	390.20	(860.24)	344.60	(759.71)	303.90	(669.98)
Deflection	103.30	(4.07)	128.10	(5.04)	155.70	(6.13)	186.30	(7.33)	219.80	(8.65)	256.50	(10.10)	296.40	(11.67)
Four point load	544.50	(1200.42)	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)
Deflection	108.80	(4.28)	134.60	(5.30)	163.40	(6.43)	195.10	(7.68)	229.70	(9.04)	267.40	(10.53)	308.20	(12.13)
Distrib. loading	145.20	(97.57)	114.10	(76.67)	91.10	(61.22)	73.60	(49.46)	60.00	(40.32)	49.20	(33.06)	40.50	(27.21)
Deflection	108.00	(4.25)	133.70	(5.26)	162.30	(6.39)	193.90	(7.63)	228.40	(8.99)	265.90	(10.47)	306.60	(12.07)

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



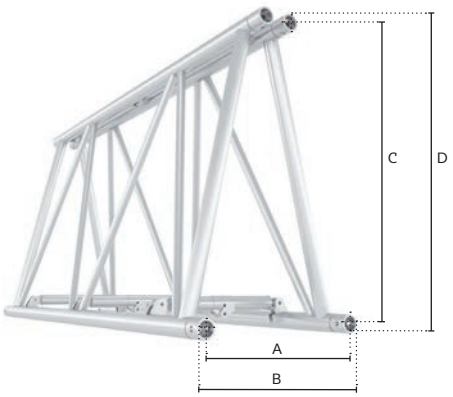
Point load	Two point load	Three point load	Four point load	Distributed point load

All truss loading calculations and TUV certifications are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 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

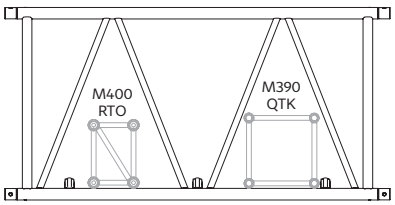
M950

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

FOLD







M950

		Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
FTT	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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	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)

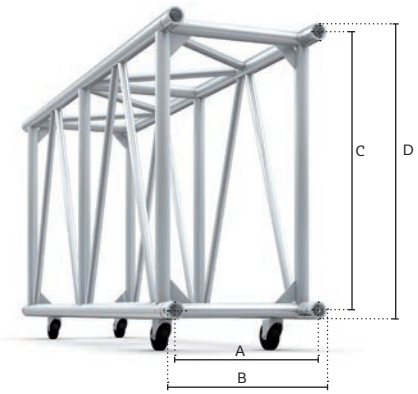
Span	24.00	(78.74)	26.00	(85.30)	28.00	(91.86)	30.00	(98.43)	32.00	(104.99)	34.00	(111.55)	36.00	(118.11)	38.00	(124.67)	40.00	(131.23)
Point load	2106.50	(4644.03)	1905.60	(4201.12)	1730.60	(3815.32)	1576.20	(3474.92)	1438.60	(3171.57)	1314.80	(2898.63)	1202.50	(2651.06)	1099.90	(2424.86)	1005.50	(2216.75)
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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	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)	43.70 (96.41)	48.30 (106.68)	–	62.40 (137.72)	–
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)	31.60 (69,66)	–	54.70 (120.59)	–	61.20 (134.92)	76.10 (167.77)	97.50 (214.95)

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

RECT





M950

RTT
RTTH
mm (in)

Main Chords	Diagonals	Alloy	A	B	C	D	Coupler
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
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)
Point load	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)
Two point load	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)
Three point load	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)
Four point load	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)
Distrib. loading	kg (lbs)	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)
Point load	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)
Two point load	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)	3840	(15.12)
Three point load	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)
Four point load	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)
Distrib. loading	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)
Point load	kg (lbs)	5702.00	(12570.74)	5025.00	(11078.22)	4469.00	(9852.45)	3865.70	(8522.40)	3339.50	(7362.33)	2925.10	(6448.73)	2589.00	(5707.76)	2309.90	(5092.45)
Deflection	mm (in)	9.70	(0.38)	16.80	(0.66)	26.10	(1.03)	36.40	(1.43)	47.70	(1.88)	60.70	(2.39)	75.40	(2.97)	91.80	(3.61)
Two point load	kg (lbs)	3442.00	(7588.30)	3148.00	(6940.14)	2873.00	(6333.87)	2609.00	(5751.85)	2404.00	(5299.91)	2193.90	(4836.72)	1941.80	(4280.93)	1732.40	(3819.28)
Deflection	mm (in)	9.90	(0.39)	17.90	(0.70)	28.50	(1.12)	41.50	(1.63)	57.80	(2.28)	76.10	(3.00)	94.00	(3.70)	113.90	(4.48)
Three point load	kg (lbs)	2504.00	(5520.37)	2319.00	(5112.51)	2166.00	(4775.21)	1932.90	(4261.31)	1669.80	(3681.27)	1462.60	(3224.48)	1294.50	(2853.88)	1154.90	(2546.12)
Deflection	mm (in)	10.10	(0.40)	18.40	(0.72)	29.90	(1.18)	42.80	(1.69)	56.00	(2.20)	71.10	(2.80)	88.00	(3.46)	106.70	(4.20)
Four point load	kg (lbs)	1970.00	(4343.10)	1864.00	(4109.41)	1767.00	(3895.56)	1610.70	(3550.98)	1391.50	(3067.73)	1218.80	(2686.99)	1078.80	(2378.34)	962.50	(2121.95)
Deflection	mm (in)	10.10	(0.40)	18.80	(0.74)	31.00	(1.22)	45.30	(1.78)	59.20	(2.33)	75.10	(2.96)	92.80	(3.65)	112.50	(4.43)
Distrib. loading	kg (lbs)	1483.70	(997.00)	1104.40	(742.12)	760.00	(510.70)	552.20	(371.06)	417.40	(280.48)	325.00	(218.39)	258.90	(173.97)	210.00	(141.11)
Deflection	mm (in)	12.50	(0.49)	22.90	(0.90)	33.00	(1.30)	45.00	(1.77)	58.80	(2.31)	74.50	(2.93)	92.20	(3.63)	111.70	(4.40)

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)
Point load	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)
Two point load	1555.10	(3428.40)	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	135.80	(5.35)	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)
Three point load	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)
Four point load	863.90	(1904.57)	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	134.20	(5.28)	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)
Distrib. loading	172.80	(116.12)	143.80	(96.63)	120.90	(81.24)	102.30	(68.74)	87.20	(58.60)	74.60	(50.13)	64.10	(43.07)	55.10	(37.03)	47.50	(31.92)
Deflection	133.20	(5.24)	156.70	(6.17)	182.20	(7.17)	209.70	(8.26)	239.20	(9.42)	270.90	(10.67)	304.60	(11.99)	340.50	(13.41)	378.60	(14.91)

Point load | Two point load | Three point load | Four point load | Distributed point load

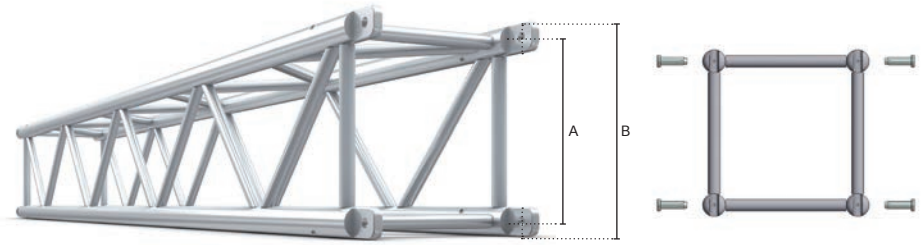
All truss loading calculations and TUV certifications are based on:

Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 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

4GS-35 & 4GS-50

- Medium-duty truss range
- Wide range of standard lengths & accessories
- 4GS-35 with great free-span & loading characteristics (up to 20m / 65.61 ft)
- 4GS-50 with great free-span & loading characteristics (up to 30m / 98.43 ft)
- All components supplied complete with connection accessories
- Compatible with 200/400/500/600 series cell clamps
- Powder coat colour finish available on request

4GS-35



4GS–35

mm (in)

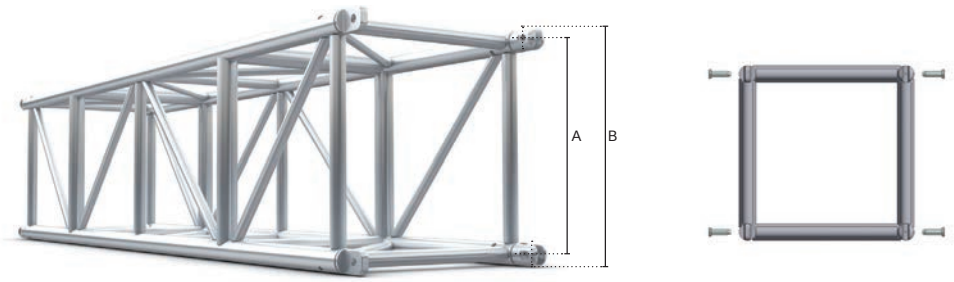
Main Chords	Diagonals	Alloy	A	B	Connection
48x4.5 (1.89x0.18)	**25x3** (0.98x0.12)	**EN - AW 6082 T6**	**299** (11.77)	**347** (13.66)	Fork/Pin

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	**0.39** (1.28)	**0.67** (2.18)	**1.24** (4.08)	**1.82** (5.97)	**2.40** (7.87)	**3.00** (9.84)	**3.56** (11.66)	**4.14** (13.58)
4GS–35	kg (lbs)	**8.00** (17.64)	**8.70** (19.36)	**15.50** (34.17)	**19.60** (43.28)	**26.30** (57.98)	**30.50** (67.42)	**35.80** (78.99)	**41.20** (90.99)

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

4GS–50



4GS–50

mm (in)

Main Chords	Diagonals	Horizontal Braces	Alloy	A	B	Connection
48x4.5 (1.89x0.18)	**25x3** (0.98x0.12)	**48x3** (1.89x0.12)	**EN - AW 6082 T6**	**452** (17.80)	**500** (19.69)	Fork/Pin

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	**0.50** (1.64)	**1.00** (3.28)	**2.00** (6.56)	**3.00** (9.840)	**4.00** (13.12)
4GS-50	kg (lbs)	**9.60** (21.3)	**15.10** (33.29)	**27.40** (60.54)	**39.80** (87.77)	**52.10** (114.99)

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

4GS-35

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)	14.00	(45.93)
Point load	kg (lbs)	2938.80	(6478.94)	1942.40	(4282.25)	1439.10	(3172.67)	1133.10	(2498.05)	925.80	(2041.04)	774.80	(1708.14)
Deflection	mm (in)	10.00	(0.39)	22.50	(0.89)	40.20	(1.58)	63.20	(2.49)	91.70	(3.61)	125.90	(4.96)
Two point load	kg (lbs)	2204.10	(4859.20)	1456.80	(3211.69)	1079.30	(2379.45)	849.90	(1873.71)	694.30	(1530.67)	581.10	(1281.10)
Deflection	mm (in)	12.70	(0.50)	28.60	(1.13)	51.00	(2.01)	79.80	(3.14)	115.00	(4.53)	156.90	(6.18)
Three point load	kg (lbs)	1469.40	(3239.47)	971.20	(2141.13)	719.60	(1586.44)	566.60	(1249.14)	462.90	(1020.52)	387.40	(854.07)
Deflection	mm (in)	11.80	(0.46)	26.70	(1.05)	47.50	(1.87)	74.40	(2.93)	107.50	(4.23)	146.80	(5.78)
Four point load	kg (lbs)	1210.10	(2667.81)	809.30	(1784.20)	599.60	(1321.89)	472.10	(1040.80)	385.70	(850.32)	322.80	(711.65)
Deflection	mm (in)	12.40	(0.49)	28.30	(1.11)	50.30	(1.98)	78.70	(3.10)	113.50	(4.47)	154.90	(6.10)
Distrib. loading	kg (lbs)	1210.10	(813.15)	647.50	(435.10)	359.80	(241.77)	226.60	(152.27)	154.30	(103.68)	110.70	(74.39)
Deflection	mm (in)	10.30	(0.41)	28.00	(1.10)	49.90	(1.96)	78.10	(3.07)	112.70	(4.44)	153.80	(6.06)

Span	16.00	(52.49)	18.00	(59.06)
Point load	659.00	(1452.84)	566.70	(1249.36)
Deflection	166.00	(6.54)	212.30	(8.36)
Two point load	494.30	(1089.74)	425.00	(936.96)
Deflection	205.40	(8.09)	260.60	(10.26)
Three point load	329.50	(726.42)	283.40	(624.79)
Deflection	192.60	(7.58)	244.90	(9.64)
Four point load	274.60	(605.39)	236.10	(520.51)
Deflection	202.80	(7.98)	257.50	(10.14)
Distrib. loading	82.40	(55.37)	63.00	(42.33)
Deflection	201.40	(7.93)	255.70	(10.07)

4GS–50

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)	14.00	(45.93)
Point load	kg (lbs)	3065.90	(6759.14)	2945.50	(6493.71)	2187.80	(4823.27)	1728.20	(3810.02)	1417.80	(3125.71)	1192.60	(2629.23)
Deflection	mm (in)	4.60	(0.18)	15.00	(0.59)	26.70	(1.05)	41.90	(1.65)	60.70	(2.39)	83.20	(3.28)
Two point load	kg (lbs)	1533.00	(3379.68)	1520.80	(3352.79)	1508.60	(3325.89)	1296.20	(2857.63)	1063.40	(2344.39)	894.50	(1972.03)
Deflection	mm (in)	3.90	(0.15)	13.20	(0.52)	31.20	(1.23)	53.00	(2.09)	76.50	(3.01)	104.20	(4.10)
Three point load	kg (lbs)	1022.00	(2253.12)	1013.80	(2235.04)	1005.70	(2217.19)	864.10	(1905.01)	708.90	(1562.86)	596.30	(1314.61)
Deflection	mm (in)	3.60	(0.14)	12.30	(0.48)	29.10	(1.15)	49.40	(1.94)	71.40	(2.81)	97.40	(3.83)
Four point load	kg (lbs)	766.50	(1689.84)	760.40	(1676.39)	754.30	(1662.94)	720.10	(1587.55)	590.80	(1302.49)	496.90	(1095.48)
Deflection	mm (in)	3.50	(0.14)	11.70	(0.46)	27.80	(1.09)	52.30	(2.06)	75.50	(2.97)	102.90	(4.05)
Distrib. loading	kg (lbs)	766.50	(515.06)	506.90	(340.62)	377.10	(253.40)	299.30	(201.12)	236.30	(158.79)	170.40	(114.50)
Deflection	mm (in)	2.90	(0.11)	9.80	(0.39)	23.10	(0.91)	45.20	(1.78)	74.90	(2.95)	102.10	(4.02)

Span	16.00	(52.49)	18.00	(59.06)	20.00	(65.62)
Point load	1020.70	(2250.26)	884.20	(1949.33)	772.60	(1703.29)
Deflection	109.50	(4.31)	139.80	(5.50)	174.30	(6.86)
Two point load	765.50	(1687.64)	663.20	(1462.10)	579.50	(1277.58)
Deflection	136.40	(5.37)	173.00	(6.81)	214.00	(8.43)
Three point load	510.30	(1125.02)	442.10	(974.66)	386.30	(851.64)
Deflection	127.70	(5.03)	162.20	(6.39)	201.10	(7.92)
Four point load	425.30	(937.62)	368.40	(812.18)	321.90	(709.67)
Deflection	134.70	(5.30)	170.90	(6.73)	211.50	(8.33)
Distrib. loading	127.60	(85.74)	98.20	(65.99)	77.30	(51.94)
Deflection	133.70	(5.26)	169.70	(6.68)	210.10	(8.27)

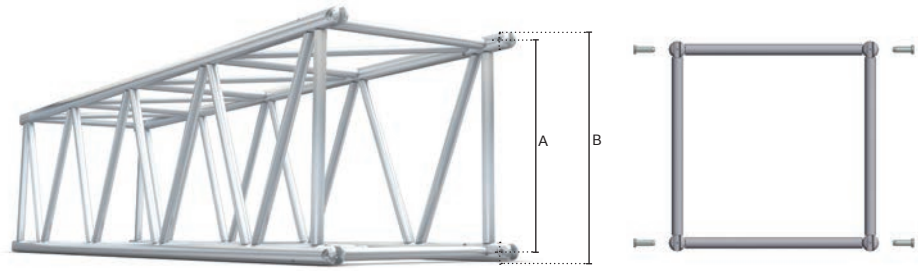
Point load	Two point load	Three point load	Four point load	Distributed point load

All truss loading calculations and TUV certifications are based on:
Truss supported or suspended at both ends • Static loadings only • Loads applied in the node points • Included self weight of the trusses • Spans made of different truss length • Interaction of bending moment and shear force at connector • Structural calculations based on DIN EN 1999-1-1 and DIN EN 1999-1-1/A2 made in 2014 • To comply with BS 7905-2 / ANSI E1.2-2006 / CWA 15902-2 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

4GS-62 & 4GS-62F

- High capacity fork-connection series
- Square or compact folding formats available
- Great free-span & loading characteristics (up to 30m / 98.43 ft)
- All components supplied complete with connection accessories
- Wide range of standard lengths & accessories
- Compatible with 200/400/500/600 series cell clamps
- Powder coat colour finish available on request

4GS-62



4GS–62

mm (in)

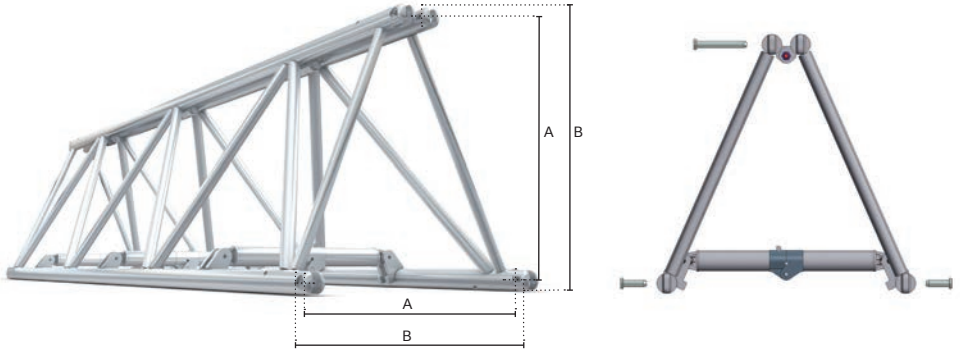
Main Chords	Diagonals	Alloy	A	B	Connection
48x4.5 (1.89x0.18)	**25x3** (0.98x0.12)	**EN - AW 6082 T6**	**569** (22.40)	**617** (24.29)	Fork/Pin
	32x3 (1.26x0.12)				

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	**1.20** (3.95)	**1.63** (5.33)	**2.40** (7.87)	**3.00** (9.84)
4GS-62	**kg** (lbs)	**18.40** (40.74)	**24.40** (53.79)	**34.00** (74.96)	**41.00** (90.39)

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

4GS–62F



4GS–62F

mm (in)

Main Chords	Diagonals	Alloy	A	B	Connection
48x4.5 (1.89x0.18)	**25x3** (0.98x0.12)	**EN - AW 6082 T6**	**569** (22.40)	**617** (24.29)	Fork/Pin

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	**1.20** (3.94)	**1.63** (5.33)	**2.40** (7.87)
4GS-62F	**kg** (lbs)	**18.70** (41.38)	**21.80** (48.24)	**31.00** (68.5)

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

4GS-62

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)	14.00	(45.93)	16.00	(52.49)
Point load	kg (lbs)	5605.30	(12357.56)	3715.50	(8191.27)	2764.10	(6093.79)	2188.20	(4824.15)	1799.90	(3968.10)	1518.90	(3348.60)	1305.00	(2877.03)
Deflection	mm (in)	5.30	(0.21)	11.90	(0.47)	21.20	(0.83)	33.30	(1.31)	48.20	(1.90)	65.90	(2.59)	86.70	(3.41)
Two point load	kg (lbs)	3992.40	(8801.72)	2786.60	(6143.39)	2073.10	(4570.40)	1641.10	(3618.00)	1350.00	(2976.24)	1139.20	(2511.50)	978.70	(2157.66)
Deflection	mm (in)	6.40	(0.25)	15.20	(0.60)	27.00	(1.06)	42.20	(1.66)	60.80	(2.39)	82.90	(3.26)	108.40	(4.27)
Three point load	kg (lbs)	2661.60	(5867.82)	1857.70	(4095.52)	1382.10	(3047.01)	1094.10	(2412.07)	900.00	(1984.16)	759.50	(1674.41)	652.50	(1438.51)
Deflection	mm (in)	5.90	(0.23)	14.10	(0.56)	25.10	(0.99)	39.30	(1.55)	56.70	(2.23)	77.40	(3.05)	101.40	(3.99)
Four point load	kg (lbs)	1996.20	(4400.86)	1548.10	(3412.97)	1151.70	(2539.06)	911.70	(2009.95)	750.00	(1653.47)	632.90	(1395.30)	543.70	(1198.65)
Deflection	mm (in)	5.70	(0.22)	15.00	(0.59)	26.60	(1.05)	41.60	(1.64)	60.00	(2.36)	81.80	(3.22)	107.00	(4.21)
Distrib. loading	kg (lbs)	1996.20	(1341.38)	1238.50	(832.23)	691.00	(464.33)	437.60	(294.05)	300.00	(201.59)	217.00	(145.82)	163.10	(109.60)
Deflection	mm (in)	4.70	(0.19)	14.80	(0.58)	26.40	(1.04)	41.30	(1.63)	59.50	(2.34)	81.20	(3.20)	106.20	(4.18)

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)
Point load	1135.70	(2503.79)	997.80	(2199.77)	882.50	(1945.58)	784.40	(1729.30)	699.30	(1541.69)	624.60	(1377.01)	558.10	(1230.40)
Deflection	110.50	(4.35)	137.60	(5.42)	167.90	(6.61)	201.80	(7.94)	239.30	(9.42)	280.60	(11.05)	326.00	(12.83)
Two point load	851.80	(1877.90)	748.30	(1649.72)	661.90	(1459.24)	588.30	(1296.98)	524.50	(1156.32)	468.50	(1032.86)	418.60	(922.85)
Deflection	137.40	(5.41)	170.00	(6.69)	206.10	(8.11)	245.80	(9.68)	289.20	(11.39)	336.30	(13.24)	387.20	(15.24)
Three point load	567.90	(1252.00)	498.90	(1099.88)	441.30	(972.90)	392.20	(864.65)	349.70	(770.96)	312.30	(688.50)	279.10	(615.31)
Deflection	128.70	(5.07)	159.50	(6.28)	193.70	(7.63)	231.50	(9.11)	273.00	(10.75)	318.20	(12.53)	367.30	(14.46)
Four point load	473.20	(1043.23)	415.70	(916.46)	367.70	(810.64)	326.80	(720.47)	291.40	(642.43)	260.30	(573.86)	232.60	(512.79)
Deflection	135.70	(5.34)	167.90	(6.61)	203.70	(8.02)	243.00	(9.57)	286.00	(11.26)	332.80	(13.10)	383.30	(15.09)
Distrib. loading	126.20	(84.80)	99.80	(67.06)	80.20	(53.89)	65.40	(43.95)	53.80	(36.15)	44.60	(29.97)	37.20	(25.00)
Deflection	134.70	(5.30)	166.70	(6.56)	202.30	(7.96)	241.40	(9.50)	284.20	(11.19)	330.70	(13.02)	381.00	(15.00)

4GS–62F

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)
Point load	kg (lbs)	3718.20	(8197.22)	2767.80	(6101.95)	2192.80	(4834.29)	1805.40	(3980.22)	1525.40	(3362.93)	1312.30	(2893.12)
Deflection	mm (in)	11.90	(0.47)	21.20	(0.83)	33.30	(1.31)	48.10	(1.89)	65.80	(2.59)	86.50	(3.41)
Two point load	kg (lbs)	2788.70	(6148.02)	2075.80	(4576.35)	1644.60	(3625.72)	1354.10	(2985.28)	1144.00	(2522.09)	984.30	(2170.01)
Deflection	mm (in)	15.20	(0.60)	27.00	(1.06)	42.20	(1.66)	60.80	(2.39)	82.80	(3.26)	108.40	(4.27)
Three point load	kg (lbs)	1859.10	(4098.61)	1383.90	(3050.97)	1096.40	(2417.15)	902.70	(1990.11)	762.70	(1681.46)	656.20	(1446.67)
Deflection	mm (in)	14.10	(0.56)	25.10	(0.99)	39.30	(1.55)	56.70	(2.23)	77.30	(3.04)	101.30	(3.99)
Four point load	kg (lbs)	1549.30	(3415.62)	1153.20	(2542.37)	913.70	(2014.36)	752.30	(1658.54)	635.60	(1401.26)	546.80	(1205.49)
Deflection	mm (in)	15.00	(0.59)	26.60	(1.05)	41.60	(1.64)	60.00	(2.36)	81.80	(3.22)	107.00	(4.21)
Distrib. loading	kg (lbs)	1115.00	(749.25)	691.90	(464.94)	438.60	(294.73)	300.90	(202.20)	217.90	(146.42)	164.00	(110.20)
Deflection	mm (in)	13.40	(0.53)	26.40	(1.04)	41.30	(1.63)	59.50	(2.34)	81.10	(3.19)	106.20	(4.18)

Span	18.00	(59.06)	20.00	(65.62)	22.00	(72.18)	24.00	(78.74)
Point load	1144.00	(2522.09)	1006.90	(2219.83)	892.60	(1967.84)	795.40	(1753.55)
Deflection	110.30	(4.34)	137.20	(5.40)	167.30	(6.59)	200.90	(7.91)
Two point load	858.00	(1891.56)	755.20	(1664.93)	669.50	(1475.99)	596.50	(1315.06)
Deflection	137.40	(5.41)	169.90	(6.69)	205.90	(8.11)	245.60	(9.67)
Three point load	572.00	(1261.04)	503.50	(1110.03)	446.30	(983.92)	397.70	(876.78)
Deflection	128.50	(5.06)	159.20	(6.27)	193.40	(7.61)	231.10	(9.10)
Four point load	476.70	(1050.94)	419.60	(925.06)	371.90	(819.90)	331.40	(730.61)
Deflection	135.60	(5.34)	167.80	(6.61)	203.50	(8.01)	242.70	(9.56)
Distrib. loading	127.10	(85.41)	100.70	(67.67)	81.10	(54.50)	66.30	(44.55)
Deflection	134.60	(5.30)	166.60	(6.56)	202.10	(7.96)	241.10	(949)

Point load	Two point load	Three point load	Four point load	Distributed point load

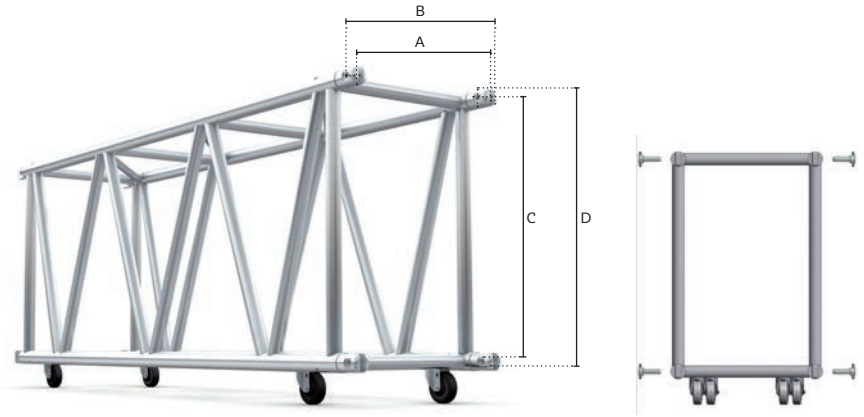
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4GX-91

- Ultra-high capacity fork-connection series
- Super heavy-duty 60x6mm (2.36"x0.24") main tube
- Great free-span & loading characteristics (up to 40m / 131.23ft)
- Transit wheels fitted for ease of transportation & setup
- All components supplied complete with connection accessories
- Compatible with 300 series cell clamps
- Powder coat colour finish available on request

4GX-91



4GX–91

(mm) (in)

Main Chords	Diagonals	Horizontal Braces	Alloy	A	B	C	D	Connection
60x6 (2.36x0.24)	**48x3** (1.89x0.12)	**48x4.5** (1.89x0.18)	**EN - AW 6082 T6**	**550** (21.65)	**610** (24.02)	**854** (33.62)	**914** (35.98)	**Fork/Pin**

4GX-91

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
Point load	kg (lbs)	6121.20	(13494.92)	4855.70	(10704.97)	4004.40	(8828.18)	3389.70	(7473.00)	2923.00	(6444.10)	2554.90	(5632.58)	2255.80	(4973.18)	2007.00	(4424.67
Deflection	mm (in)	12.60	(0.50)	19.70	(0.78)	28.50	(1.12)	38.90	(1.53)	51.10	(2.01)	65.00	(2.56)	80.80	(3.18)	98.50	(3.88
Two point load	kg (lbs)	4590.90	(10121.19)	3641.80	(8028.79)	3003.30	(6621.14)	2542.30	(5604.81)	2192.20	(4832.97)	1916.20	(4224.49)	1691.90	(3730.00)	1505.20	(3318.39
Deflection	mm (in)	16.00	(0.63)	25.00	(0.98)	36.00	(1.42)	49.10	(1.93)	64.10	(2.52)	81.30	(3.20)	100.50	(3.96)	121.80	(4.80
Three point load	kg (lbs)	3060.60	(6747.46)	2427.80	(5352.38)	2002.20	(4414.09)	1694.90	(3736.61)	1461.50	(3222.05)	1277.40	(2816.18)	1127.90	(2486.59)	1003.50	(2212.34
Deflection	mm (in)	14.90	(0.59)	23.30	(0.92)	33.50	(1.32)	45.80	(1.80)	59.90	(2.36)	76.00	(2.99)	94.10	(3.70)	114.20	(4.50
Four point load	kg (lbs)	2550.50	(5622.88)	2023.20	(4460.39)	1668.50	(3678.41)	1412.40	(3113.81)	1217.90	(2685.01)	1064.50	(2346.82)	939.90	(2072.12)	836.20	(1843.50
Deflection	mm (in)	15.80	(0.62)	24.60	(0.97)	35.50	(1.40)	48.40	(1.91)	63.30	(2.49)	80.30	(3.16)	99.30	(3.91)	120.30	(4.74
Distrib. loading	kg (lbs)	1490.50	(1001.57)	971.10	(652.55)	667.40	(448.47)	484.20	(325.37)	365.40	(245.54)	283.90	(190.77)	225.60	(151.60)	182.50	(122.63
Deflection	mm (in)	15.20	(0.60)	24.40	(0.96)	35.20	(1.39)	48.00	(1.89)	62.80	(2.47)	79.70	(3.14)	98.50	(3.88)	119.50	(4.70

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
Point load	1795.80	(3959.06)	1613.50	(3557.15)	1454.00	(3205.52)	1312.70	(2894.00)	1186.30	(2615.34)	1072.00	(2363.35)	967.80	(2133.63)	872.20	(1922.87)	783.90	(1728.20
Deflection	118.20	(4.65)	139.90	(5.51)	163.70	(6.44)	189.80	(7.47)	218.10	(8.59)	248.90	(9.80)	282.20	(11.11)	318.20	(12.53)	357.00	(14.06
Two point load	1346.80	(2969.18)	1210.10	(2667.81)	1090.50	(2404.14)	984.60	(2170.67)	889.70	(1961.45)	804.00	(1772.51)	725.90	(1600.33)	654.20	(1442.26)	587.90	(1296.10
Deflection	145.20	(5.72)	170.80	(6.72)	198.50	(7.81)	228.40	(8.99)	260.50	(10.26)	294.80	(11.61)	331.50	(13.05)	370.40	(14.58)	411.60	(16.20
Three point load	897.90	(1979.53)	806.80	(1778.69)	727.00	(1602.76)	656.40	(1447.11)	593.10	(1307.56)	536.00	(1181.68)	483.90	(1066.82)	436.10	(961.43)	391.90	(863.99
Deflection	136.40	(5.37)	160.70	(6.33)	187.20	(7.37)	215.80	(8.50)	246.70	(9.71)	279.90	(11.02)	315.50	(12.42)	353.40	(13.91)	393.90	(15.51
Four point load	748.20	(1649.50)	672.30	(1482.17)	605.80	(1335.56)	547.00	(1205.93)	494.30	(1089.74)	446.70	(984.80)	403.30	(889.12)	363.40	(801.16)	326.60	(720.03
Deflection	143.50	(5.65)	168.80	(6.65)	196.30	(7.73)	225.90	(8.89)	257.80	(10.15)	291.90	(11.49)	328.30	(12.93)	367.00	(14.45)	408.10	(16.07
Distrib. loading	149.60	(100.53)	124.10	(83.39)	103.90	(69.82)	87.50	(58.80)	74.10	(49.79)	63.10	(42.40)	53.80	(36.15)	45.90	(30.84)	39.20	(26.34
Deflection	142.50	(5.61)	167.70	(6.60)	195.00	(7.68)	224.50	(8.84)	256.30	(10.09)	290.30	(11.43)	326.50	(12.85)	365.20	(14.38)	406.20	(15.99

STANDARD LENGTHS AND WEIGHTS AVAILABLE

	m (ft)	1.20 (3.94)	2.40 (7.87)	3.00 (9.84)
4GX–91	kg (lbs)	36.70 (80.95)	64.00 (141.14)	72.20 (159.33)

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

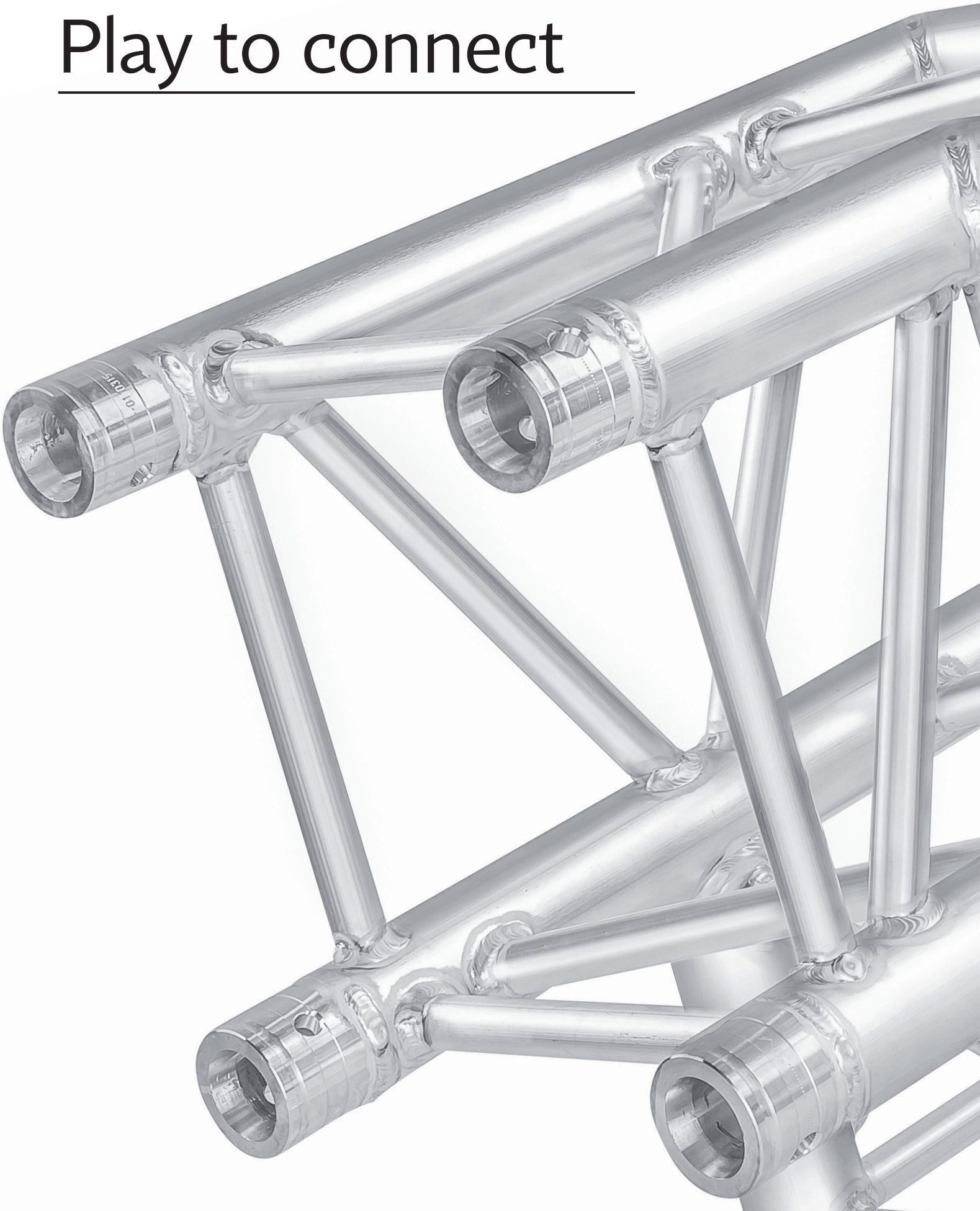


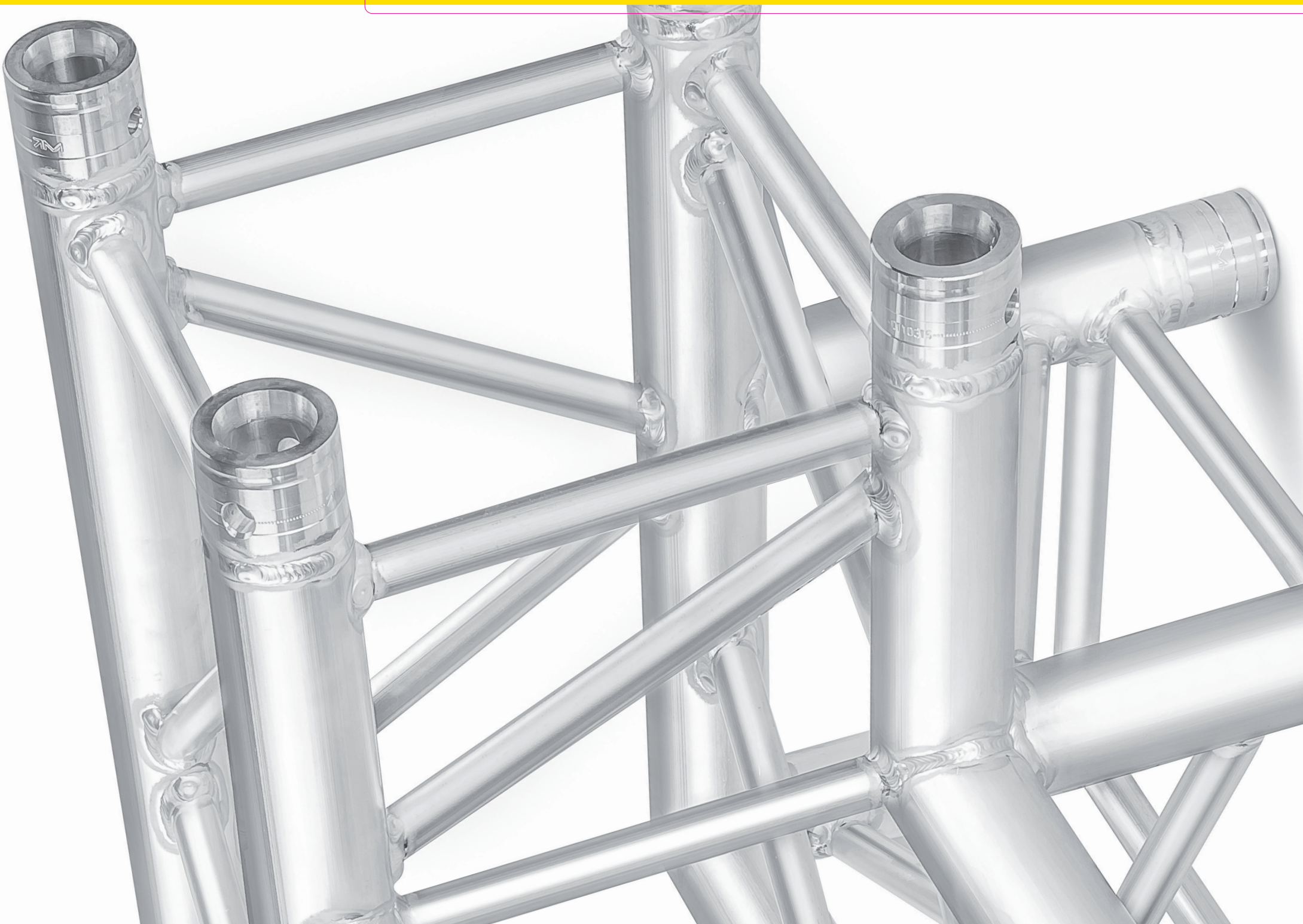
Point load	Two point load	Three point load	Four point load	Distributed point load

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Junctions

Play to connect





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

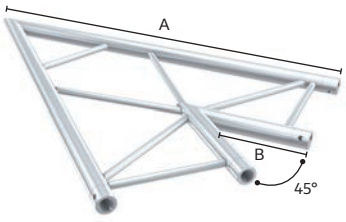


STRAIGHTS

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)

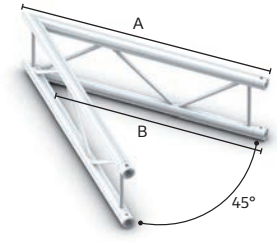
*excluding connection material



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

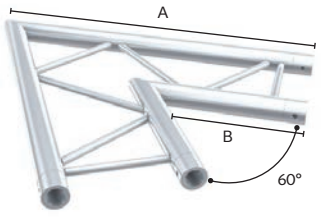
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

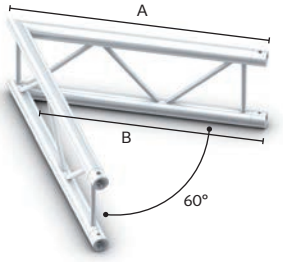
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

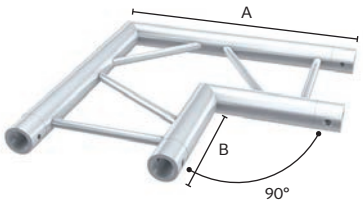


2 WAY VERTICAL CORNER 60°

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)

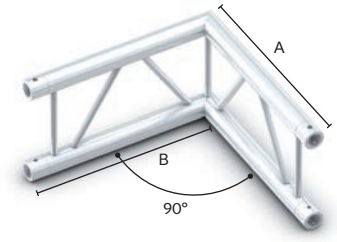
NOTE | M290 / M390 dimensions are same for F & U versions



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

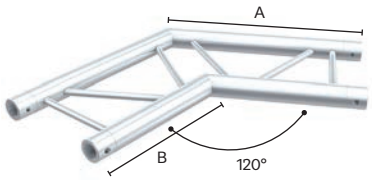
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

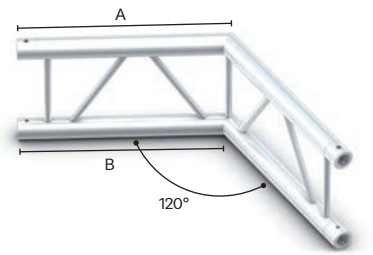
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

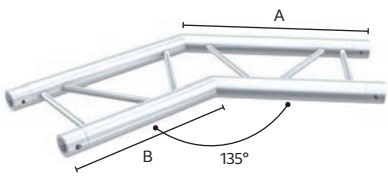
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

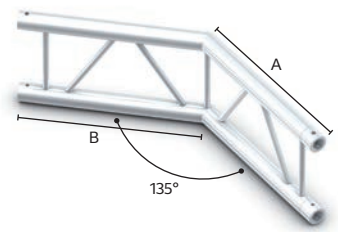
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

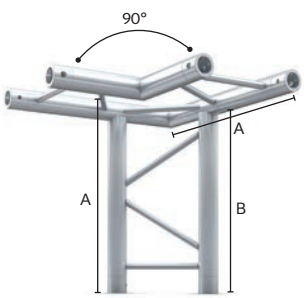
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

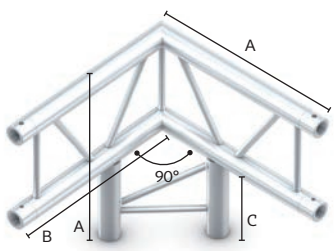
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

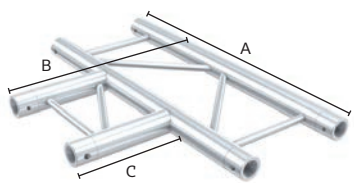
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

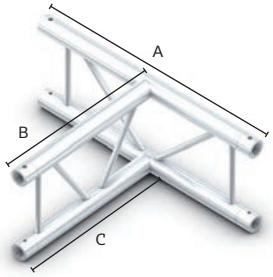


3 WAY HORIZONTAL T-PIECE

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)

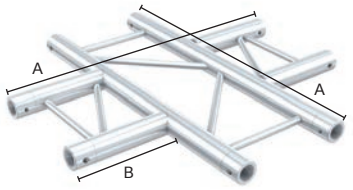
NOTE | M290 / M390 dimensions are same for F & U versions



3 WAY VERTICAL T-PIECE

Series	Code	A	B	C	kg
M222	VM35|3wayT	578	400	368	1.6
M290	VB/VV35|3wayT	710	500	450	4.2
M290	VUU35|3wayT	500	500	450	3.1
M390	VK/VL35|3wayT	810	600	550	4.8

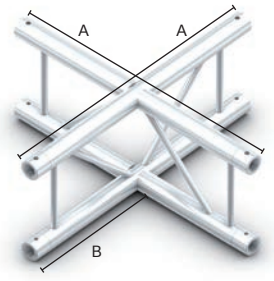
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

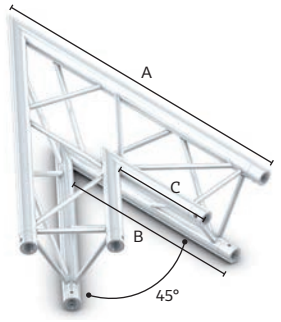


STRAIGHTS

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)

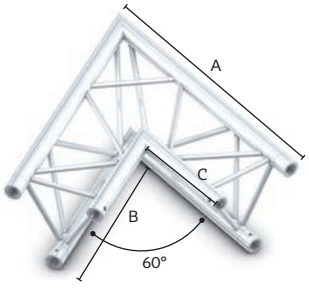
*excluding connection material



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

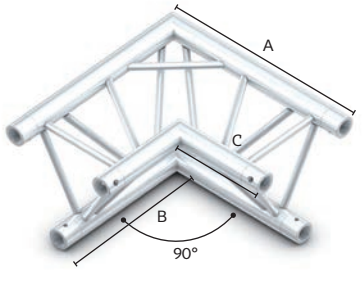
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

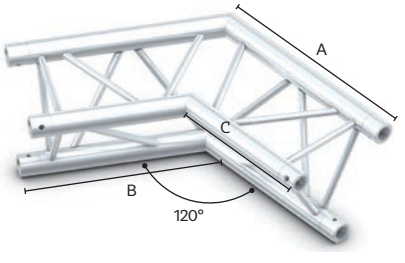
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

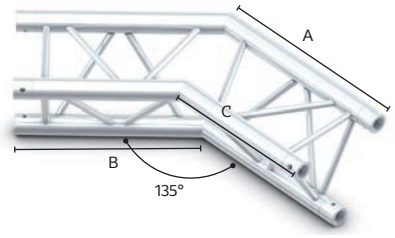


2 WAY CORNER 120°

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)

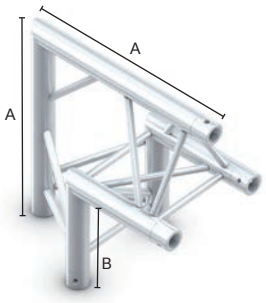
NOTE | M290 / M390 dimensions are same for F & U versions



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

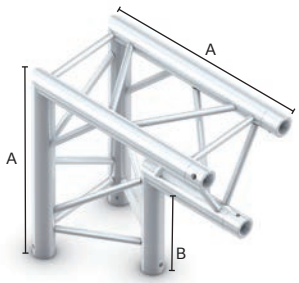
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

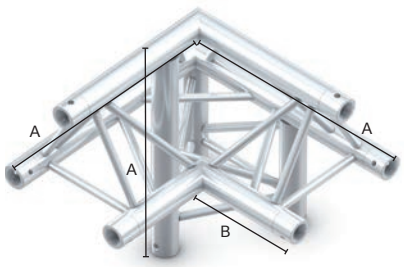
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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**

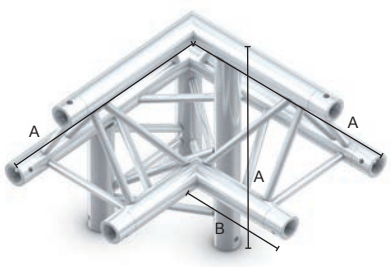
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

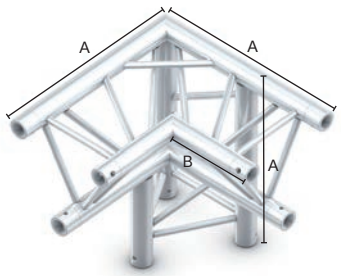
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

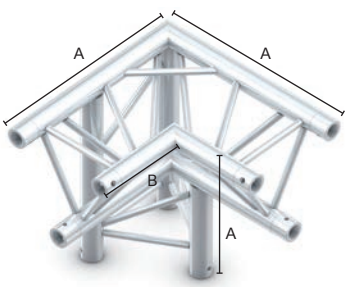
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

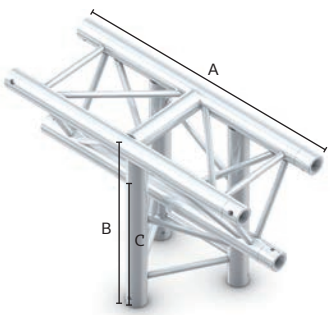
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

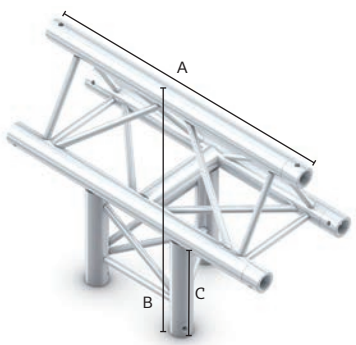
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

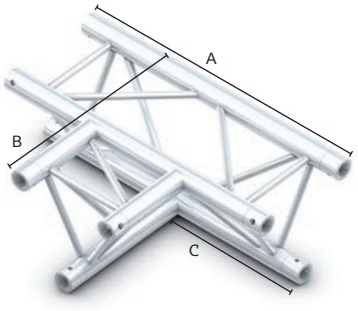


3 WAY VERTICAL T-PIECE APEX UP

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)

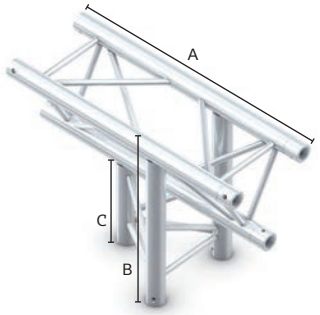
NOTE | M290 / M390 dimensions are same for F & U versions



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

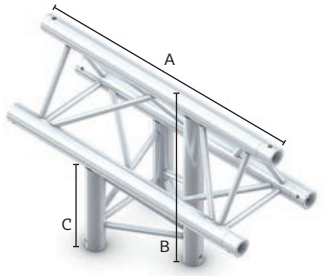
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

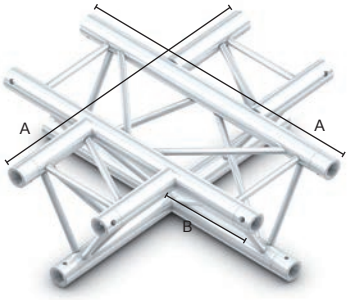
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

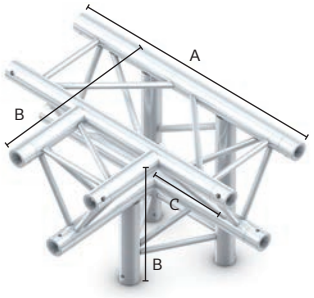
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

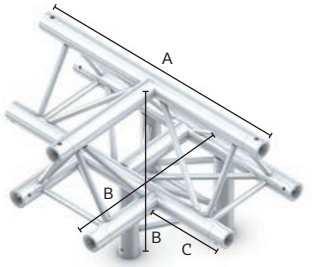
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

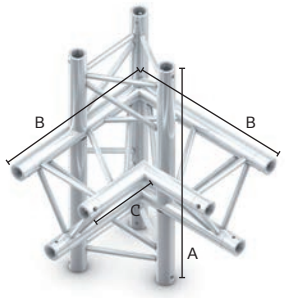
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY T-PIECE APEX UP

Series	Code	A	B	C	kg
M222	ATM42|4wayT	578	400	178	3.5
M290	ATB/ATV42|4wayT	710	500	210	9.6
M290	ATUU42|4WAYT	500	500	210	6.0
M390	ATK/ATL42|4wayT	810	600	210	11.2

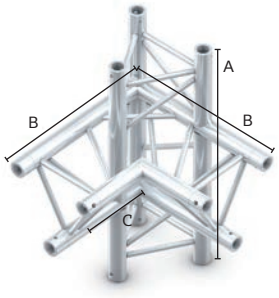
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

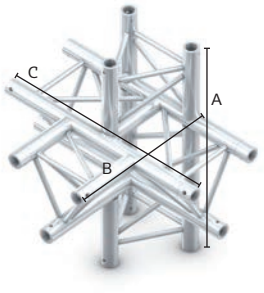
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

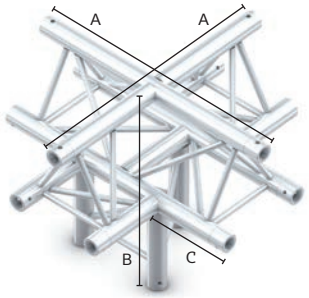


5 WAY T-PIECE

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)

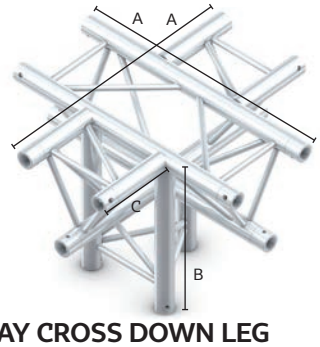
NOTE	M290 / M390 dimensions are same for F & U versions



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

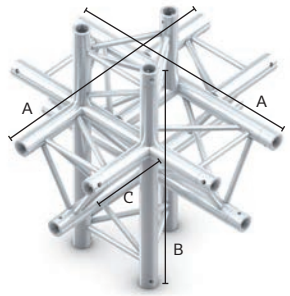
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)



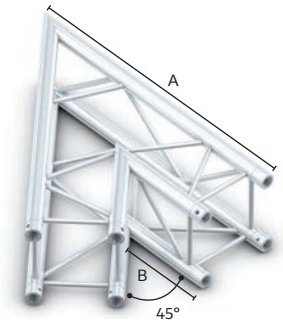
6 WAY T-PIECE

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

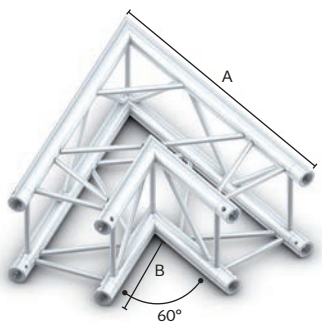
	QTM	QTB	QTV	QTK	QTL
Weight of 1 m/kg* (3.28 ft/lbs)	**3.50** (7.71)	**5.90** (13.0)	**6.40** (14.1)	**6.50** (14.3)	**7.10** (15.7)

*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

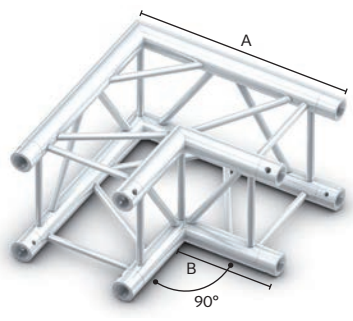
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

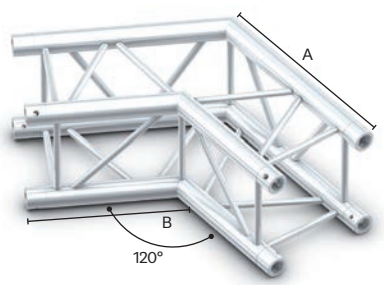
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

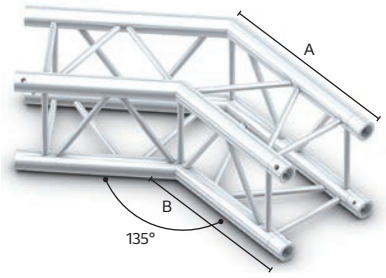


2 WAY CORNER 120°

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)

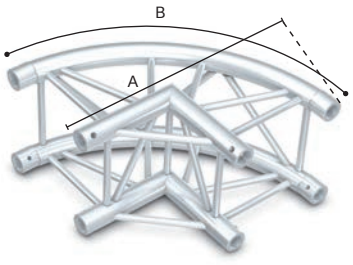
NOTE	M290 / M390 dimensions are same for F & U versions



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

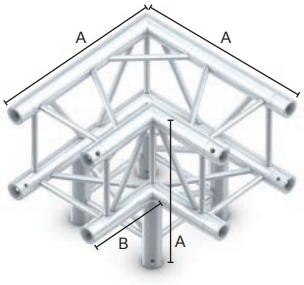
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

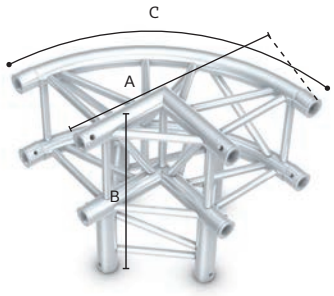
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

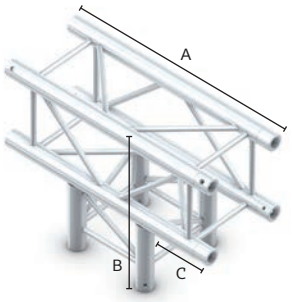
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CURVED CORNER 90°

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

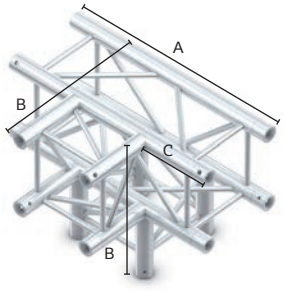
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

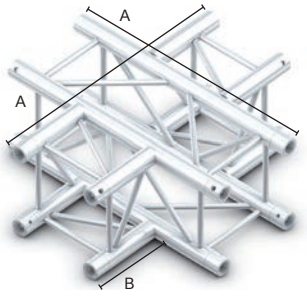
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

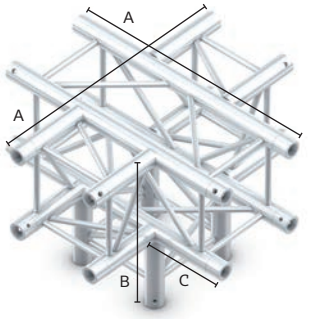
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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)

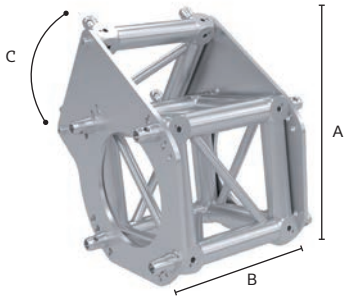


5 WAY CROSS DOWN LEG

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 M290E

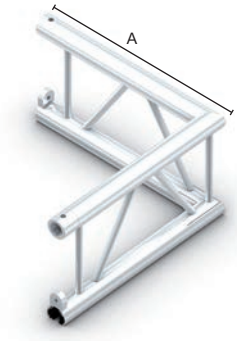
- Compatible with 200/400/500/600 series cell clamps
- Powder coat colour finish available on request
- Connection kit supplied with every truss junction
- F & U versions available



STRAIGHTS

Series	Code
M290E	BTBE

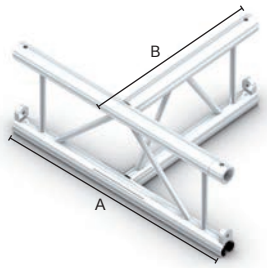
0.5 (1.64)	**1** (3.28)	**1.5** (4.92)	**2** (6.56)	**2.5** (8.20)	**3** (9.84)	**4** (13.12)	**5** (16.4)
500	1000	1500	2000	2500	3000	4000	5000



2 WAY VERTICAL CORNER 90°

Series	Code	A	B	C	kg
M290E	VBE21|2way90dg	500	–	–	2.9

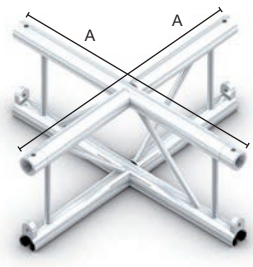
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY VERTICAL T-PIECE

Series	Code	A	B	C	kg
M290E	VBE36|3wayT	710	500	–	3.7

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

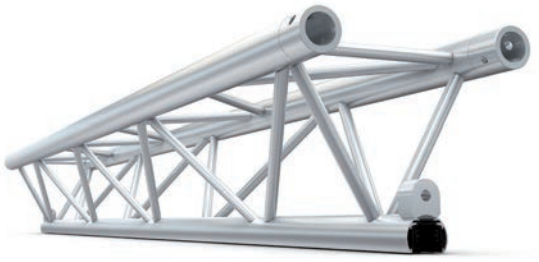


4 WAY VERTICAL CROSS PIECE

Series	Code	A	B	C	kg
M290E	VBE41|4way	710	–	–	4.4

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

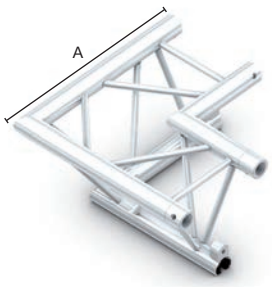
NOTE	M290E dimensions are same for F & U versions



STRAIGHTS

Series	Code
M290E	STBE

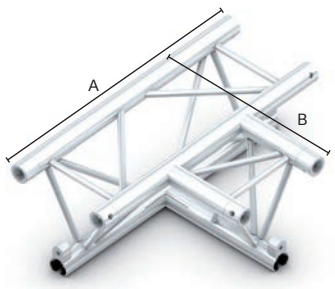
0.5 (1.64)	**1** (3.28)	**1.5** (4.92)	**2** (6.56)	**2.5** (8.20)	**3** (9.84)	**4** (13.12)	**5** (16.4)
500	1000	1500	2000	2500	3000	4000	5000



2 WAY CORNER 90°

Series	Code	A	B	C	kg
M290E	ACBE21|2way90dg	500	–	–	3.7

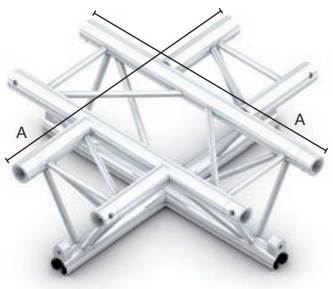
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY HORIZONTAL T-PIECE

Series	Code	A	B	C	kg
M290E	ATBE36|3wayTg	710	500	–	5.2

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



4 WAY CROSS PIECE

Series	Code	A	B	C	kg
M290E	ACBE41|4way	710	–	–	4.4

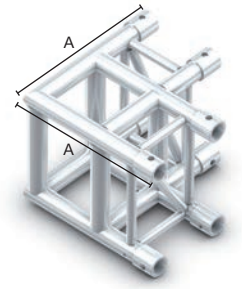
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)

NOTE	M290E dimensions are same for F & U versions



Junctions for M400 / M520

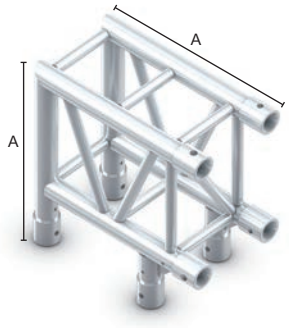
- Fast connection for quick, simple and secure assembly
- Compatible with 200/400/500/600 series cell clamps
- Powder coat colour finish available on request
- Connection kit supplied with every truss junction



2 WAY CORNER 90°

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

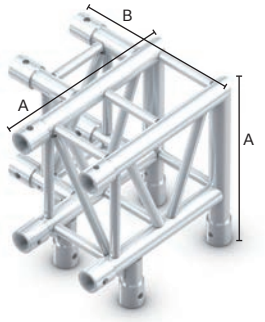
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90°

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

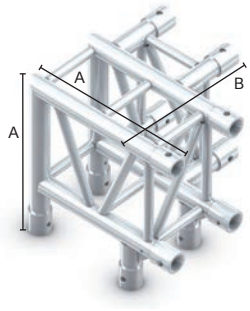
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CORNER 90°

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

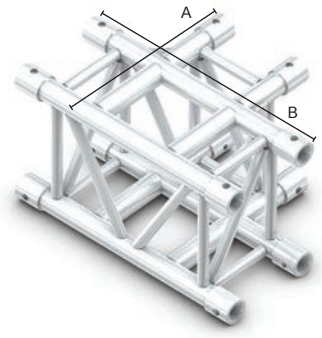
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CORNER 90°

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

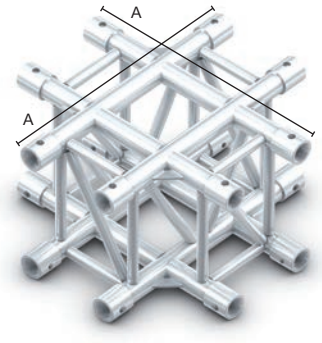
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY T-PIECE

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

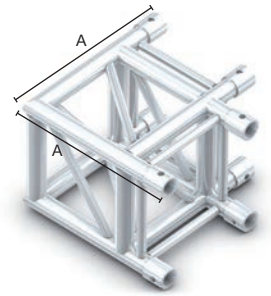
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CROSS PIECE

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

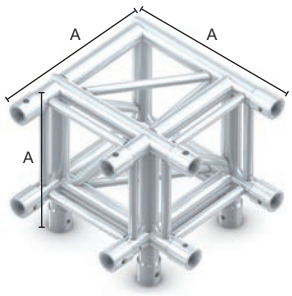
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90°

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

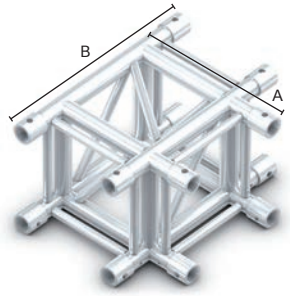
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

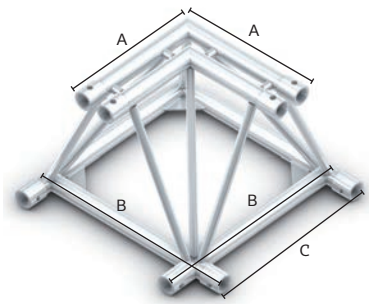
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CROSS PIECE

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

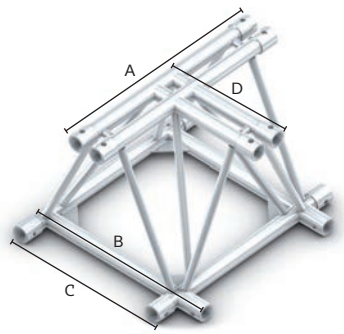
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90°

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

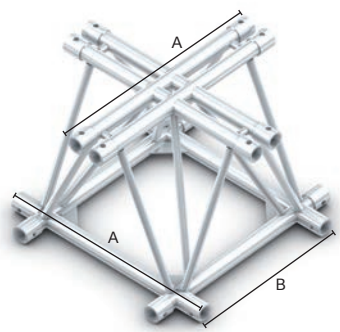
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY T-PIECE

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

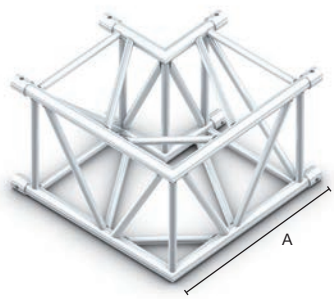
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CROSS PIECE

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

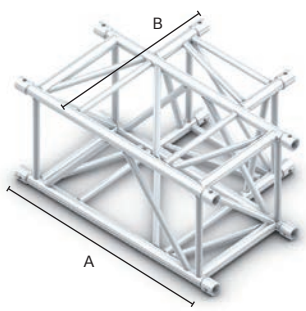
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



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

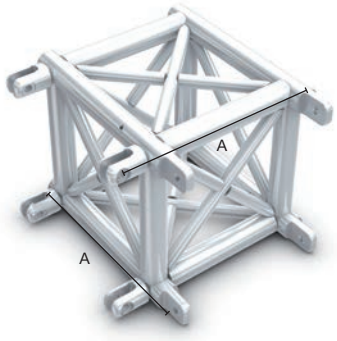
Series	Code	A	B	C	kg
M520	QTP35|3wayT	1080	800	–	24.0

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

Junctions for

4GS-35 / 4GS-50 / 4GX-91

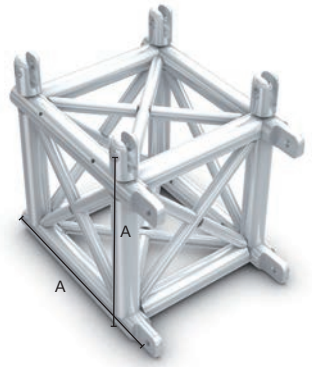
- Fork & pin connection
- Connection kit supplied with every truss junction
- Compatible with 200/400/500/600 series cell clamps
- Powder coat colour finish available on request



2 WAY CORNER 90° HORIZONTAL

Series	Code	A	B	C	kg
4GS-35	4GS-35-J21	373	–	–	10.6

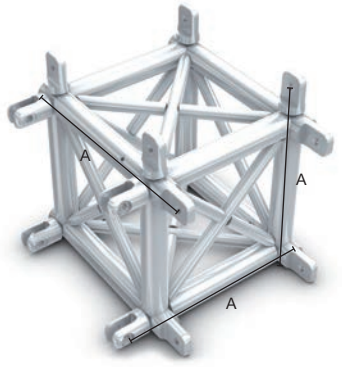
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



2 WAY CORNER 90° VERTICAL

Series	Code	A	B	C	kg
4GS-35	4GS-35-J21C	373	–	–	10.6

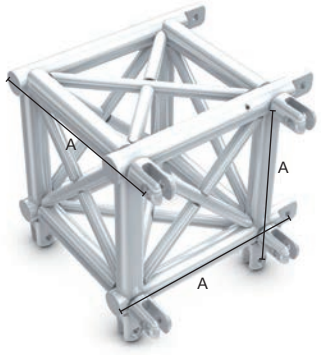
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY CORNER 90° MALE DOWN

Series	Code	A	B	C	kg
4GS-35	4GS-35-J30	373	–	–	11.5

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



3 WAY CORNER 90° FEMALE DOWN

Series	Code	A	B	C	kg
4GS-35	4GS-35-J30C	373	–	–	11.5

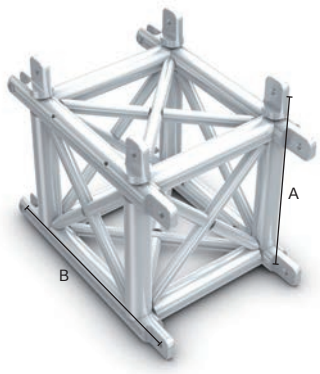
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY T-PIECE HORIZONTAL

Series	Code	A	B	C	kg
4GS-35	4GS-35-J35	373	447	–	11.5

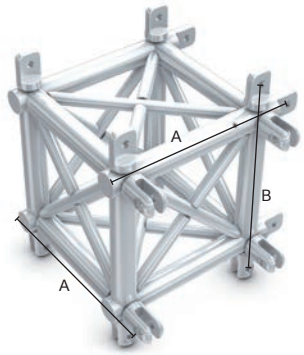
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



3 WAY T-PIECE VERTICAL

Series	Code	A	B	C	kg
4GS-35	4GS-35-J35C	373	447	–	11.5

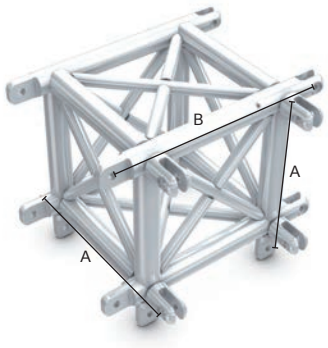
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CORNER

Series	Code	A	B	C	kg
4GS-35	4GS-35-J40	373	447	–	12.3

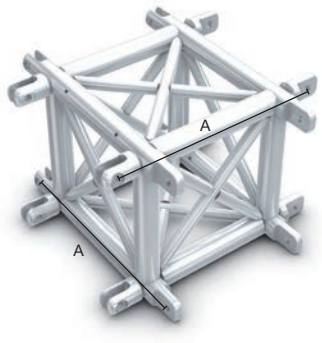
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY T-PIECE

Series	Code	A	B	C	kg
4GS-35	4GS-35-J40C	373	447	–	12.3

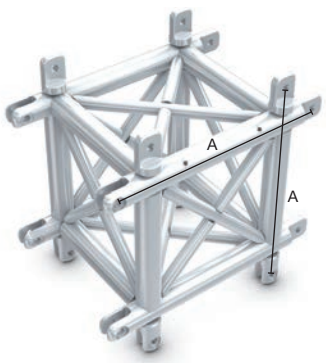
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CROSS PIECE HORIZONTAL

Series	Code	A	B	C	kg
4GS-35	4GS-35-J41	447	–	–	13.0

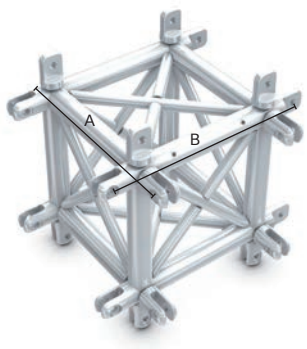
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CROSS PIECE VERTICAL

Series	Code	A	B	C	kg
4GS-35	4GS-35-J41B	447	–	–	13.0

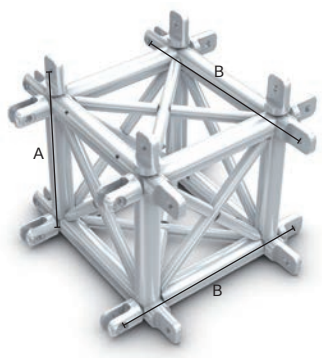
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



5 WAY T-PIECE

Series	Code	A	B	C	kg
4GS-35	4GS-35-J55	373	447	–	13.8

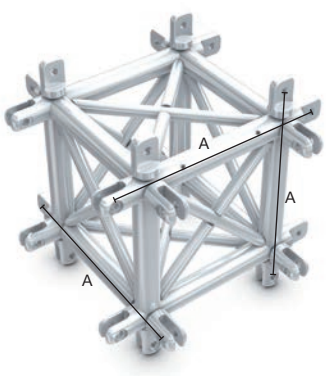
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



5 WAY CROSS PIECE MALE DOWN

Series	Code	A	B	C	kg
4GS-35	4GS-35-J55C	373	447	–	13.8

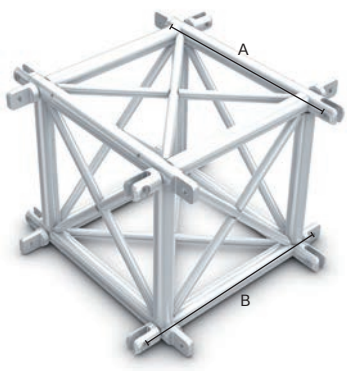
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



6 WAY CROSS PIECE

Series	Code	A	B	C	kg
4GS-35	4GS-35-J65	447	–	–	14.6

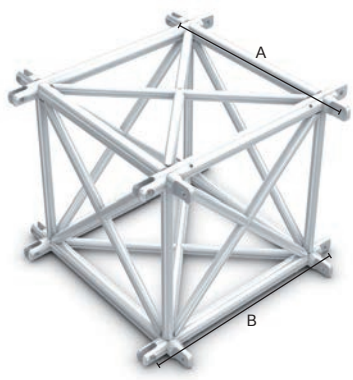
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CROSS PIECE HORIZONTAL

Series	Code	A	B	C	kg
4GS-50	4GS-50-J41	526	600	–	17.8

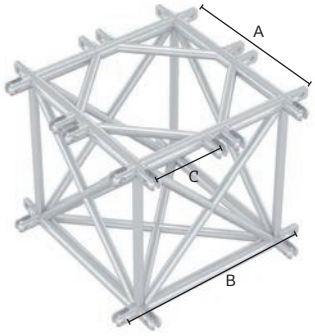
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CROSS PIECE HORIZONTAL

Series	Code	A	B	C	kg
4GS-62	4GS-62-J41	643	717	–	20.7

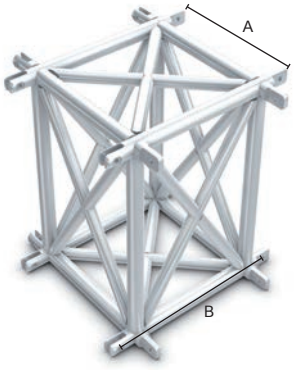
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



4 WAY CROSS PIECE HORIZONTAL

Series	Code	A	B	C	kg
4GS-62F	4GS-62F-J41	643	717	250.5	22.5

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



4 WAY CROSS PIECE HORIZONTAL

Series	Code	A	B	C	kg
4GX-91	4GX-91-J41	645	740	–	41.5

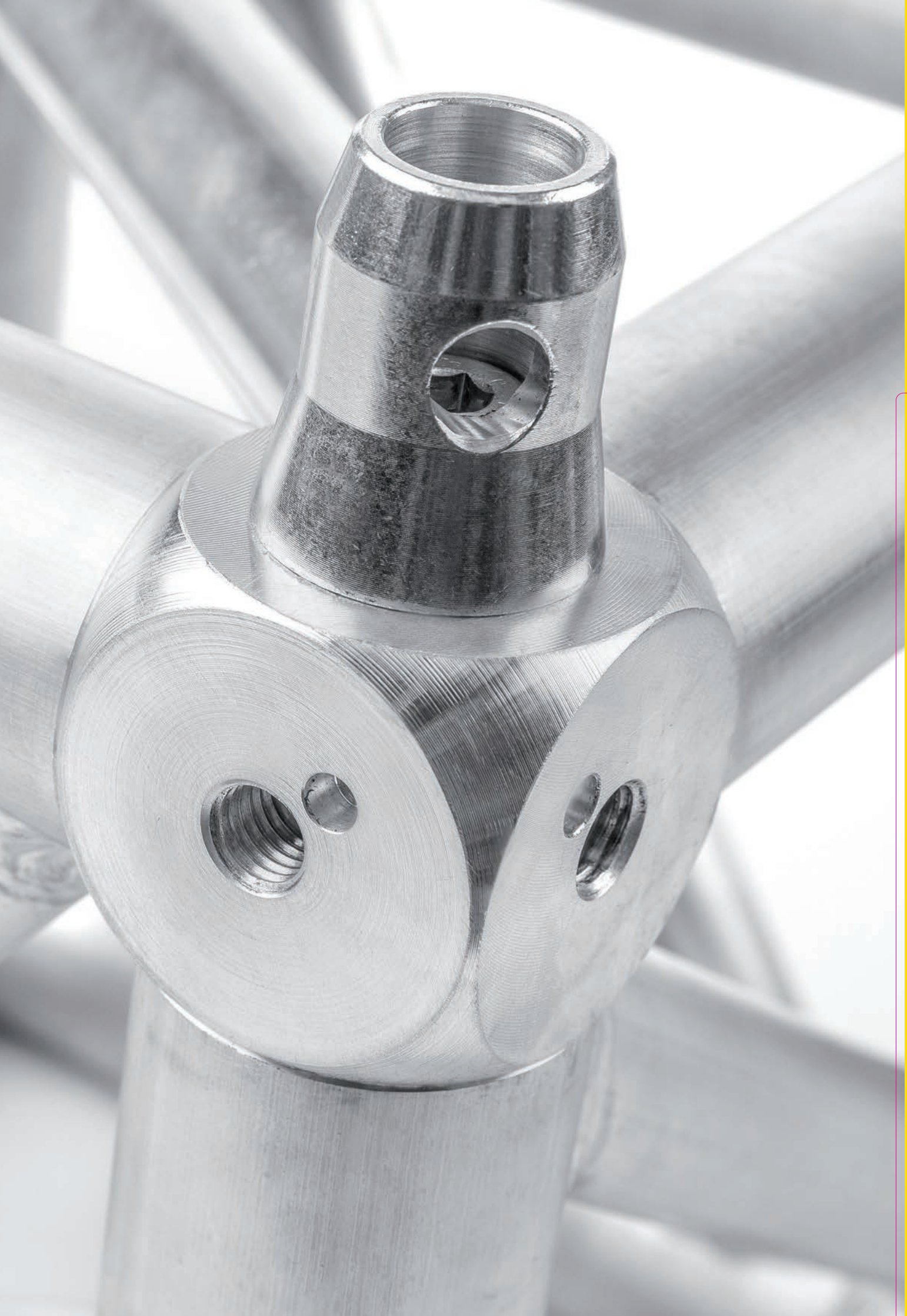
To calculate inches and pounds (mm / 25.4 = inch)
(kg × 2.204 = lbs)



Multicubes

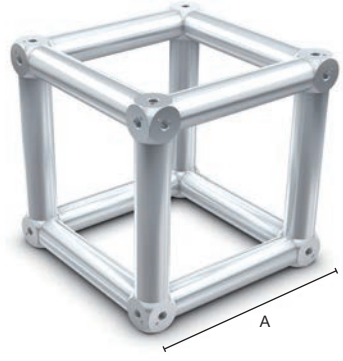
Connected





Multicubes for M222 – M950 and 4GS–35

- 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

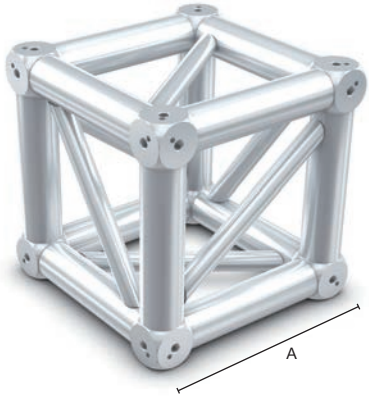


MULTICUBE FOR M222 QUATRO SERIES

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

mm / in

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





Heavy-Duty



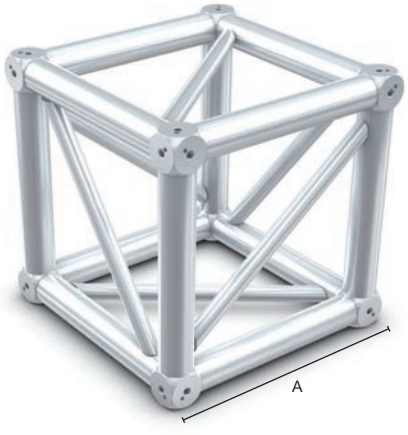
Regular

MULTICUBE FOR M290 QUATRO SERIES

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

mm / in

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





Heavy-Duty



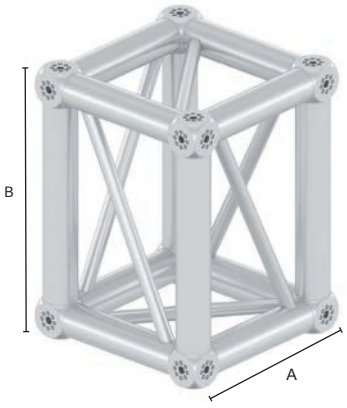
Regular

MULTICUBE FOR M390 QUATRO SERIES

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

mm / in

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

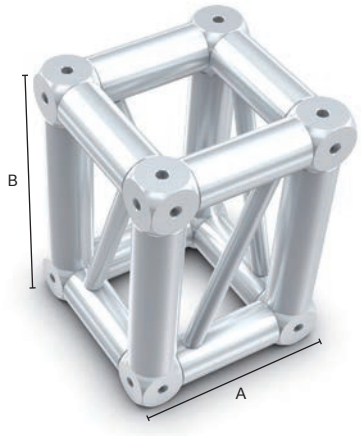


MULTICUBE FOR M290X390 RECT SERIES

Series	Code	A	B	kg	lbs
M290x390	QC-M290/390	**288.4** (11.35)	**388.4** (15.29)	**7.0** (15.4)	

mm / in

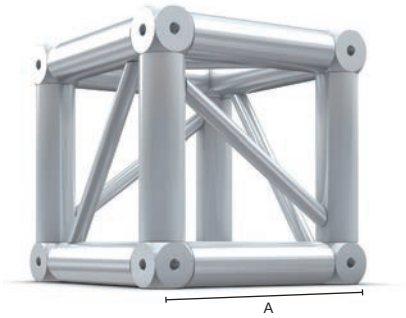
Suitable fittings: **CON63B|MalePin** or **CON64B|FemalePin**



MULTICUBE FOR M400 RECT SERIES

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

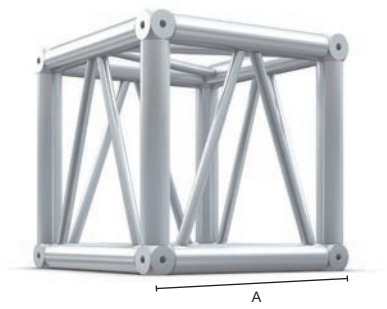
Suitable fittings: **CON47O|Female**



MULTICUBE FOR M400 QUATRO SERIES

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

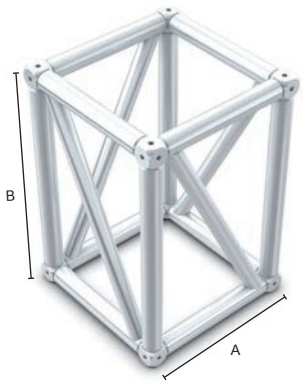
Suitable fittings: **CON47O|Female**



MULTICUBE FOR M520 QUATRO SERIES

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

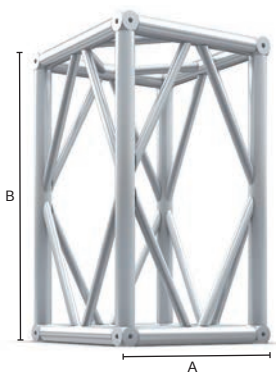
Suitable fittings: **CON47O|Female**



MULTICUBE FOR M760 RECT SERIES

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

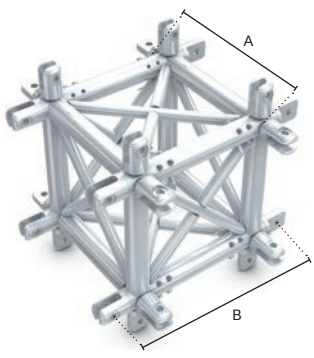
Suitable fittings: **CON47O|Female**



MULTICUBE FOR M950 RECT SERIES

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

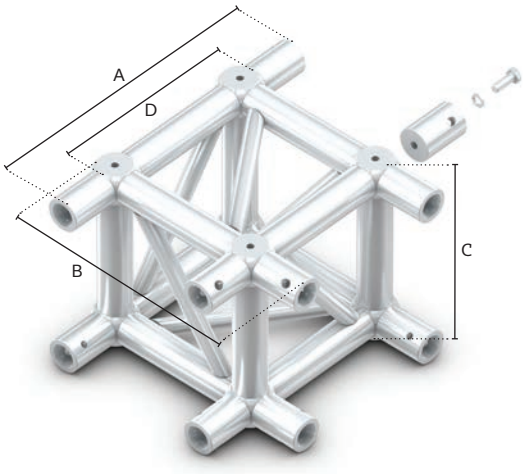
Suitable fittings: CON47O|Female



MULTICUBE FOR 4GS-35 SERIES

Series	Code	mm / in	A	B	kg / lbs
4GS-35	**QC-4GS-35**	mm	**384.0** (15.12)	**447.0** (17.60)	**16.9** (37.18)

Suitable fittings: CON47O|Female

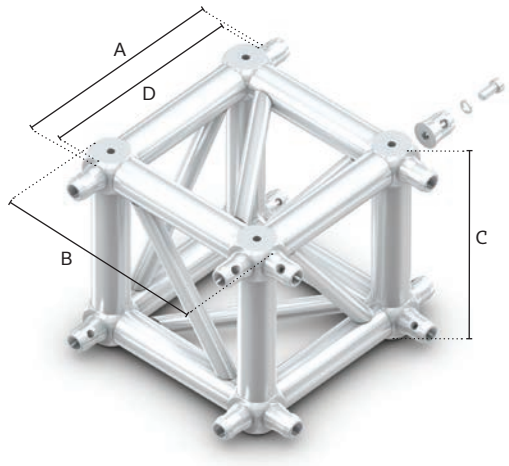


DIMENSIONS - FOR FEMALE CONNECTOR USE

Cube type	A	B	C	D
M222	**322.0** (12.68)	**272.0** (10.71)	**222.0** (8.74)	**222.0** (8.74)
M290	**439.2** (17.29)	**364.2** (14.34)	**289.2** (11.39)	**289.2** (11.39)
M390	**538.4** (21.20)	**463.4** (18.24)	**388.4** (15.29)	**388.4** (15.29)
M290x390	**438.4** (17.25)	**363.4** (14.30)	**388.4** (15.29)	**288.4** (11.35)
M400	**537.0** (21.14)	**447.0** (17.60)	**357.0** (14.06)	**357.0** (14.06)
M400 RECT	**445.0** (7.52)	**354.9** (13.97)	**357.0** (14.06)	**264.9** (10.43)
M520	**707.7** (27.86)	**617.7** (24.32)	**527.7** (20.76)	**527.7** (20.76)
M760	**707.7** (27.86)	**617.7** (24.32)	**769.7** (30.30)	**527.7** (20.76)
M950 RECT	**757.7** (29.83)	**667.7** (26.29)	**999.2** (39.34)	**577.7** (22.74)

FEMALE CONNECTORS

Cube type	CON code	Female connector	Bolt	Washer	Shoulder length
M222	CON85M|FemalePin	M Multicube	M10x25 ALLEN	d10.2/18.1	50.0 (1.97)
M290	CON64B|FemalePin	B Multicube-K6x10	M12x35 HEX	d12.2/21	75.0 (2.95)
M390	CON64F|FemalePin	F Multicube-K6x10	M12x35 HEX	d12.2/21	75.0 (2.95)
M290x390	CON64U|FemalePin	U Multicube-K6x10	M12x35 HEX	d12.2/21	75.0 (2.95)
M400 M520 M760 M950	CON47O|Female	O Multicube	M16x40 HEX	d16.2/27.4	90.0 (3.54)

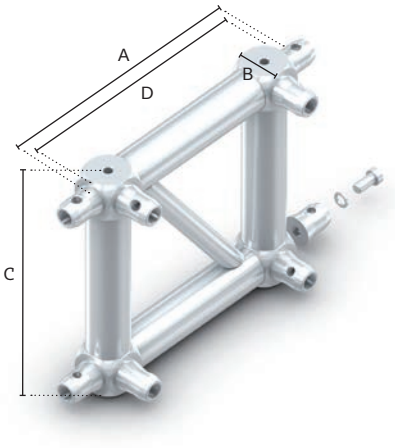


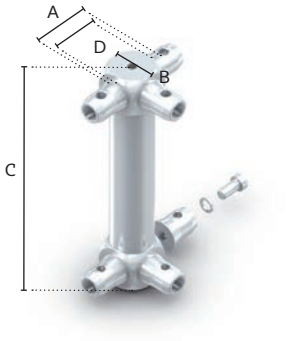
DIMENSIONS - FOR MALE HALF CONNECTOR USE

Cube type	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	Shoulder length
M222	CON62	MM-D10-steel	M10x16 ALLEN; 8.8	d10.2/16	1.0 (0.04)
M290	CON63B|FemalePin	BM/D12-steel-K6x10	M12x25 ALLEN; 10.9	d12.2/18	1.0 (0.04)
M390	CON63F|FemalePin	FM/D12-steel-K6x10	M12x25 ALLEN; 10.9	d12.2/18	1.0 (0.04)
M290x390	CON63U|FemalePin	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	mm / in	A	B	C	D
QC/BC-M222	mm	**224.0** (8.82)	**33.8** (1.33)	**222.0** (8.74)	**222.0** (8.74)
QC/BC-M290		**291.2** (11.47)	**50.6** (1.99)	**289.2** (11.39)	**289.2** (11.39)
QC/BC-M390		**390.4** (15.37)	**50.6** (1.99)	**388.4** (15.29)	**388.4** (15.29)

DIMENSIONS - FOR MALE CONNECTOR USE - TYPE BC

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

MALE HALF CONNECTORS

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

Bookcorners

Connected





Bookcorners for M290 - M520 / 4GS-35

- Bookcorners provide an angular solution to an acute problem
- Bookcorners can be configured for TRIO or QUATRO formats
- Rigid aluminium profile construction with bolted male or female receivers
- Free range of 0-180° angle adjustability



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



QBK1|M390BC

Bookcorner for M390 series

Series	kg	lbs
M390	**8.61**	(18.98)

Can be attached for use with M390 QUATRO and TRIO (apex up/down) formats.
Suitable fittings: CON70B|Male



QBO1|M400BC

Bookcorner for M400 series

Series	kg	lbs
M400	**6.89**	(15.19)

Can be attached for use with M400 QUATRO or RECT series.
Suitable fittings: CON71O|Male



FBP1|M520BC

Bookcorner for M520 Fold series

Series	kg	lbs
M520	**16.22**	(35.75)

Can be attached for use with M520 FOLDING.
Suitable fittings: CON72O|Male

NOTE:

Bookcorners are not structural components and must be supported on both sides of the frame to ensure safe operation. If the angle of the bookcorner needs to be locked in one position, contact the Milos Design center for exact dimensions.



4GS-35BC-V / 4GS-35BC-H

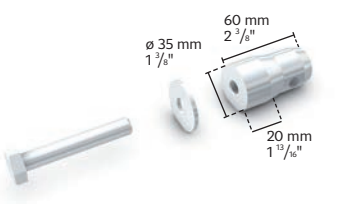
Bookcorner for 4GS-35 series

Series	kg	lbs
4GS-35	**7.90** (17.41)	

Can be used with 4GS-35 series in vertical or horizontal position.
Suitable fittings: CON164 and CON165

MALE HALF CONNECTORS

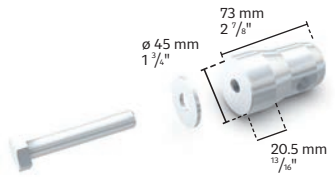
Cube type	CON code	Male half connector	Bolt	Washer	mm / in	Connector length
M290 M390	CON70B|Male	B/M12 (al)	M12x75 HEX	d13/37 large		20 (0.79)
	CON70F|Male	F/M12 (al)	M12x75 HEX	d13/37 large		20 (0.79)
	CON70U|Male	U/M12 (al)	M12x75 HEX	d13/37 large		20 (0.79)
M400	CON71O|Male	O/M12 (al)	M12x75 HEX	d13/37 large		20 (0.79)
M520 Fold	CON72O|Male	O/M16 (al)	M16x90 HEX	d17/50 large		20 (0.79)
4GS-35	CON164	EYE GS-75, M12	M12x80 HEX	d13/37 large		75 (2.95)
	CON165	FORK GS-75, M12	M12x80 HEX	d13/37 large		75 (2.95)



CON70B|MALE

Series	kg	lbs
M290	**0.23** (0.51)	
M390	**0.23** (0.51)	

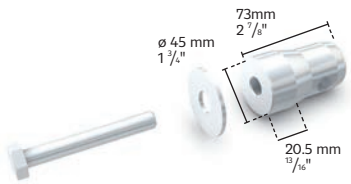
Inculding M12x75 bolt and washer
F & U compatible versions available



CON71O|MALE

Series	kg	lbs
M400	**0.34** (0.75)	

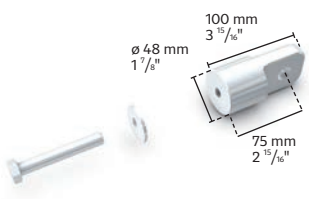
Including M12x75 bolt and washer



CON72O|MALE

Series	kg	lbs
M520 FOLD	**0.36** (0.79)	

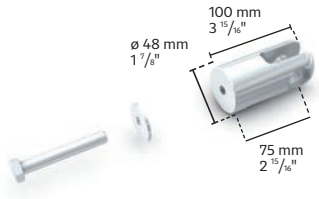
Including M16x90 bolt and washer



CON164

Series	kg	lbs
4GS-35	**0.42** (0.93)	

Supplied with washer and M12x80 bolt



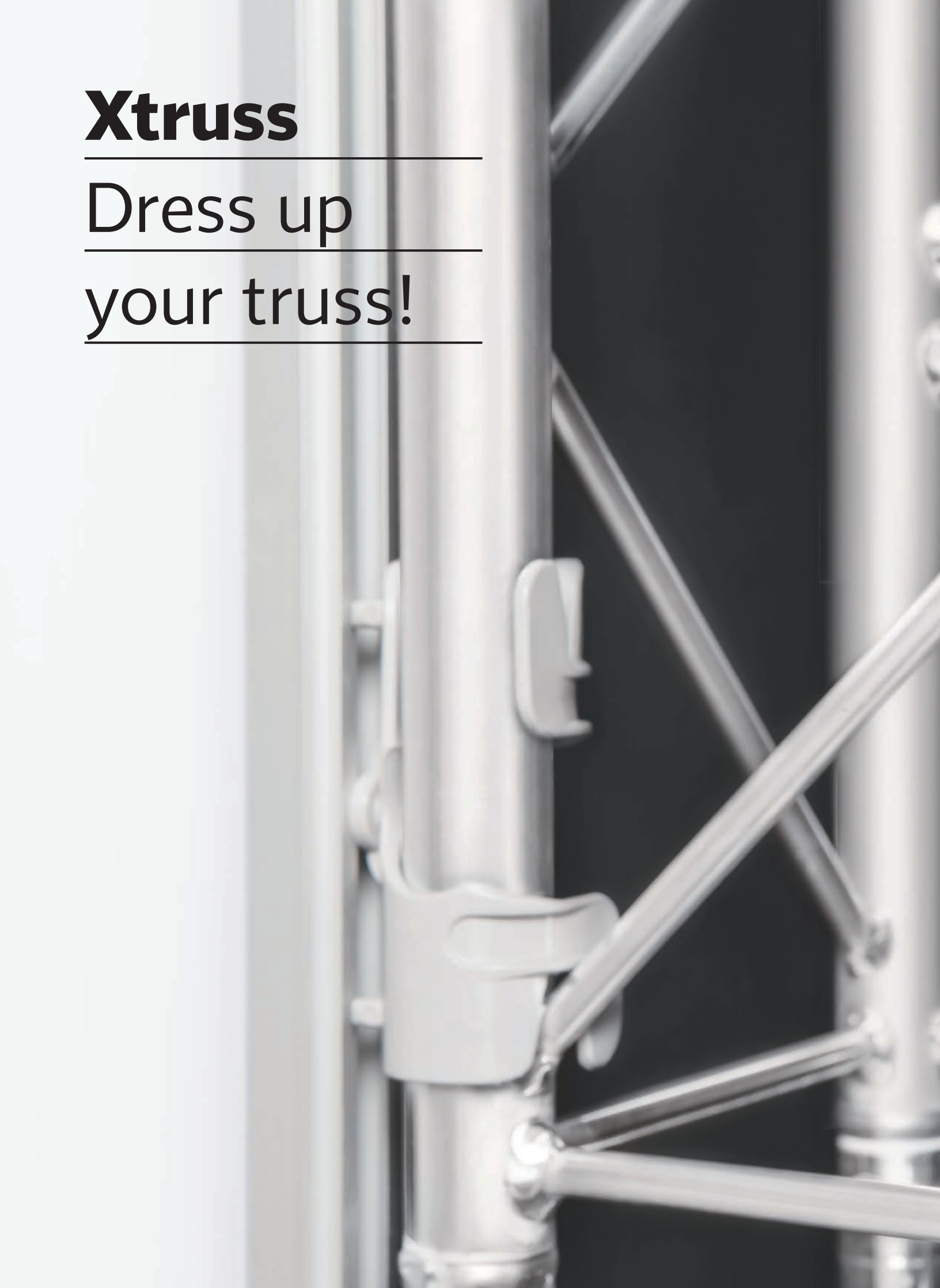
CON165

Series	kg	lbs
4GS-35	**0.44** (0.96)	

Supplied with washer and M12x80 bolt

Xtruss

Dress up your truss!





Dress up your truss!

Xtruss

- Xtruss gives you a quick and easy solution for attaching any fabric size to your exhibition truss
- A wide selection of accessories allows for flexibility and multipurpose use
- Allows for complete cladding of entire structures
- Compatible with all truss made from 32, 50 or 50.8 mm / 1.26", 1.97" or 2" main tubes and less than 20 mm /0.79" diameter braces
- Satisfy structural requirements / regulations of exhibit venues and organisors



XT222FC

Series	kg	lbs
M222	**0.04**	(0.09)

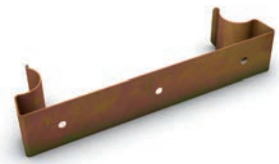
Fabric profile claw - M222 (32mm, 1.26" tube)
See page 68 for details of use.



XT222FP-AD-UC

Series	kg	lbs
M222	**0.16**	(0.35)

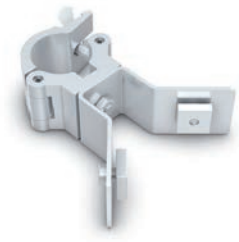
Clamp for under junction use or connection of parallel profiles
See figures 2,4 and 5 on page 70 for details of use.



XT222CLIP

Series	kg	lbs
M222	**0.18**	(0.40)

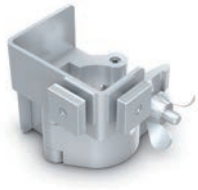
Panel clip for M222 truss
Can be used for various cladding applications.
Top of clip available with velcro.



XT222FP-AD90°-IS

Series	kg	lbs
M222	**0.16**	(0.35)

Clamp for inner angle banner application
See page 68 figure 3 for details of use.



XT222FP-AD90°-OS

Series	kg	lbs
M222	**0.15**	(0.33)

Clamp for outer angle banner application
See page 68 figure 1 for details of use.



XT222BR

Series	kg	lbs
M222	**0.37**	(0.82)

Bracket for cladding or attachment of foot



XT290FC

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

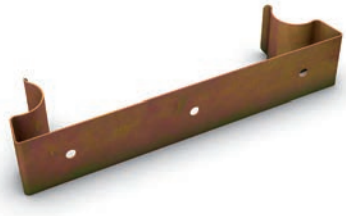
Fabric profile claw - M290B (50mm, 1.97" tube)
See page 68 for details of use.



XT290FP-AD-UC

Series	kg	lbs
M290	**0.16** (0.35)	

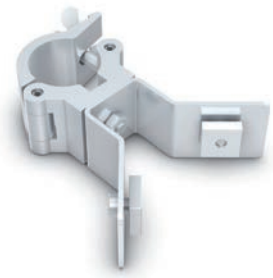
Clamp for under junction use or connection of parallel profiles



XT290CLIP

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

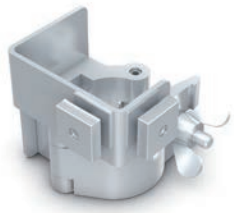
Panel clip for M290B trusss
Can be used for various cladding applications.
Top of clip is available with velcro.



XT290FP-AD90°-IS

Series	kg	lbs
M290	**0.23** (0.51)	

Clamp for inner angle banner application
See page 68 figure 3 for details of use.



XT290FP-AD90°-OS

Series	kg	lbs
M290	**0.23** (0.51)	

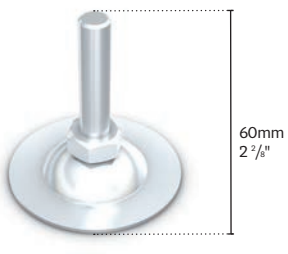
Clamp for outer angle banner application
See page 68 figure 1 for details of use.



XT290BR

Series	kg	lbs
M290	**0.53** (1.17)	

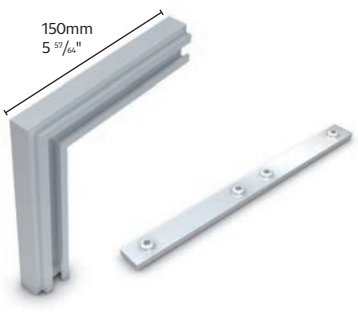
Bracket for cladding or attachment of foot



XTFOOTADJ

Series	kg	lbs
M222 M290	**0.09** (0.20)	

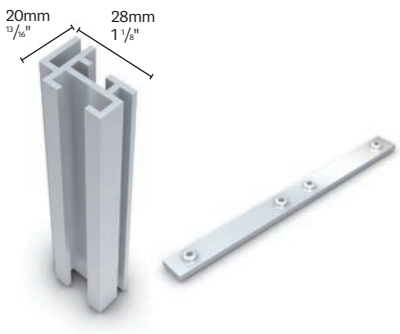
Steel foot with variable height



XTFP01CP-OS / XTFP01CP-IS

Series	kg	lbs
M222 M290	**0.13** (0.29)	

Fabric corner profile with connector - outer/inner



XTFP01

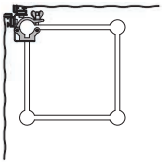
Series	kg / m	lbs / ft
M222 M290	**0.26** (0.19)	

See page 68 for details of use.



Fabric Profile 01 is mounted on the fabric profile claw. The claw is twisted onto the truss and slipped onto a brace. The profile frame is than ready to be covered with fabric.
A silicone profile must be stitched to the outer edges of the fabric to enable a push-fit into profile for tensioning.

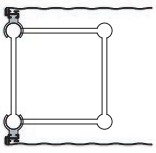




1

XT222FP-AD90°-OS/XT290FP-AD90°

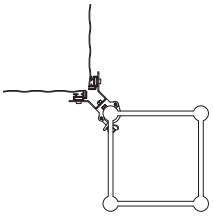
Xtruss 90° outside corner adapter.



2

XT222FC/XT290FC

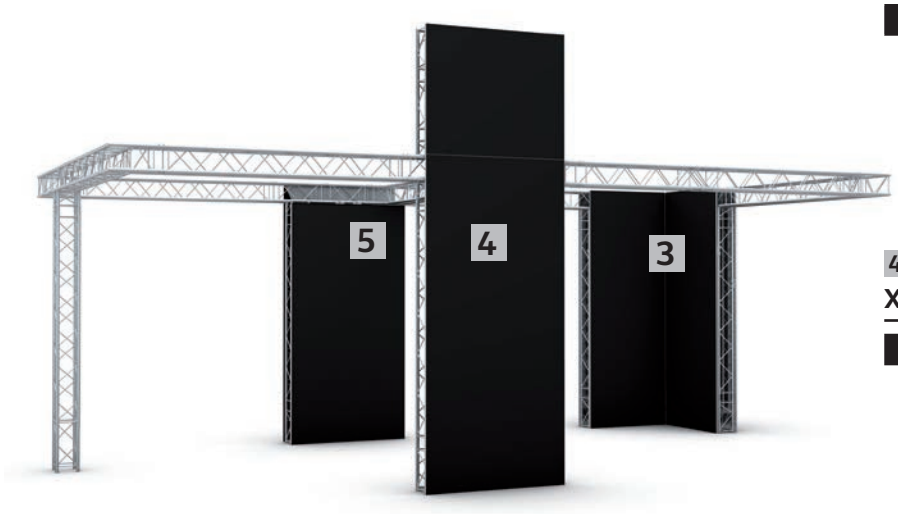
Fabric cladding of two sides with Fabric Profile Claws.

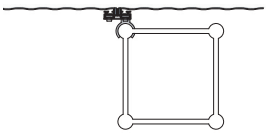


3

XT222FP-AD90°-IS/XT290FP-AD90°-IS

Xtruss 90° inside corner adapter.

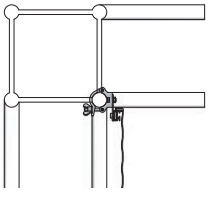




4

XT222FP-AD-UC180°/XT290FP-AD-UC180°

Illustration of 180° Fabric Profile Adapter.



5

XT222FP-AD-UC/XT290FP-AD-UC

Xtruss Profile Adapter for use under truss junctions.

Large graphics formats without gaps



System variability with minimal booth space requirements



Circles and Ellipses

Circlin' around you





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

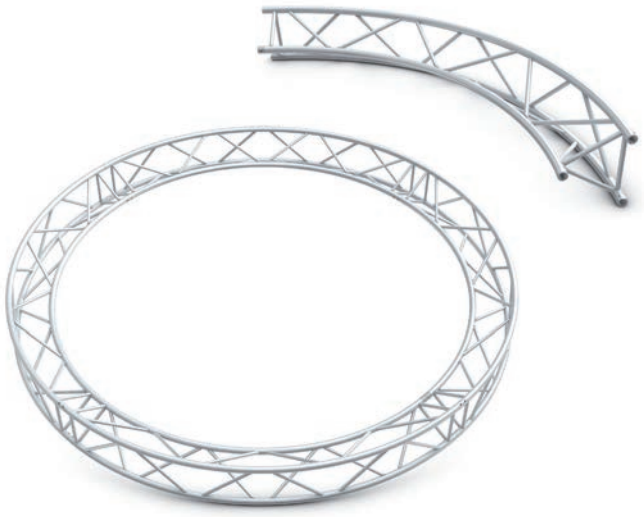


STANDARD DUO TRUSS CIRCLES IN VERTICAL POSITION

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.



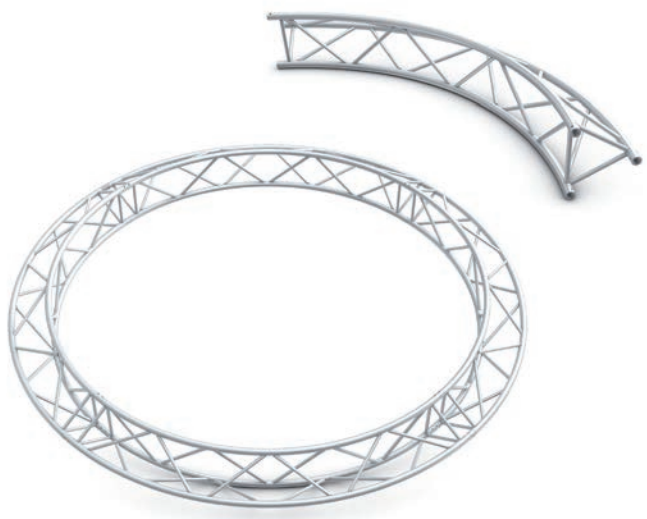
STANDARD TRIO TRUSS CIRCLES IN APEX IN POSITION

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



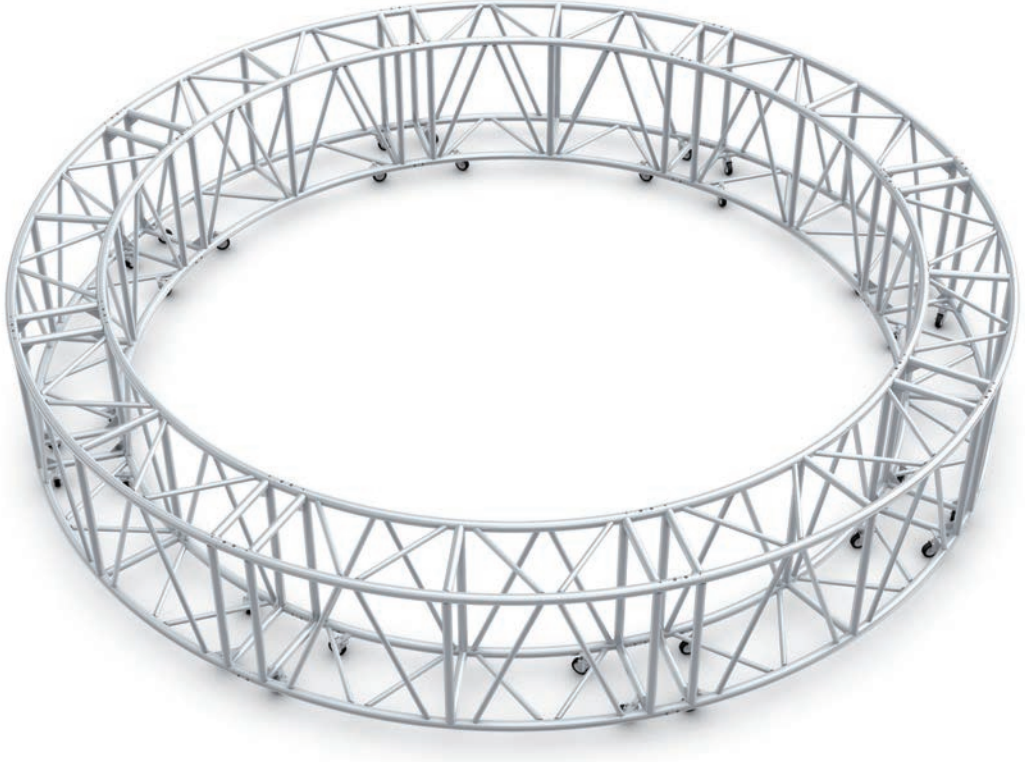
STANDARD TRIO TRUSS CIRCLES IN APEX OUT POSITION

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

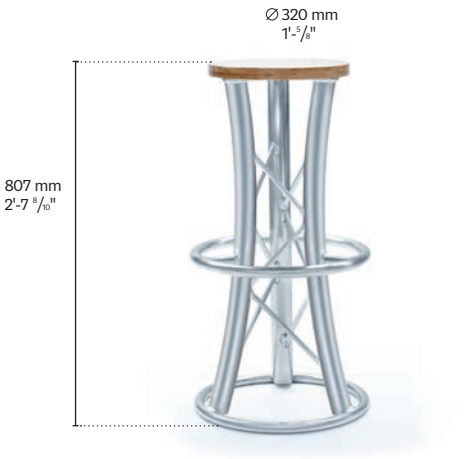
Tune up your accessories





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)	

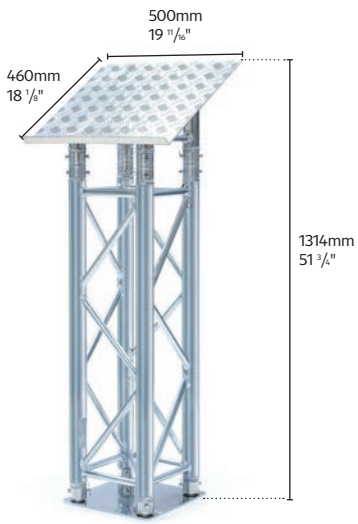
With curved legs

Aluminium bar table

Code	kg	lbs
MMD162	**11.60** (25.57)	

With curved legs





Curved lectern

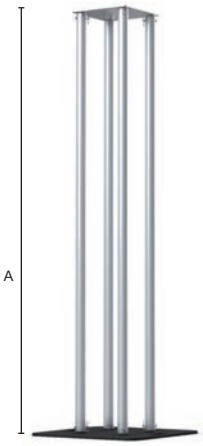
Code	kg	lbs
MMD141B	**7.00** (15.43)	

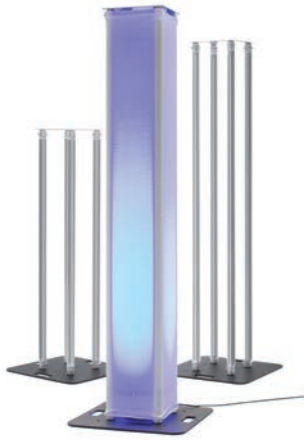
Includes replaceable top made of sheet aluminium with pencil stop. Curved legs.

Rectangular lectern

Code	kg	lbs
MMD143B-32DG	**12.20** (26.89)	

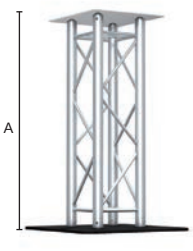
Includes replaceable top made of sheet aluminium with pencil stop. Square leg base.

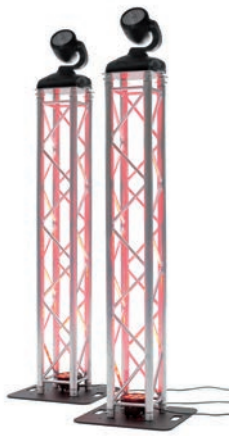




GLOW TOTEMS

Code	m / ft	height	kg / lbs	weight	mm / in	tubes	plates	sleeve
GlotemM100B-1500BL	m	**1.5** (4´ - 11.10")	kg	**36.00** (79.35)	mm	**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	m	**1.0** (3' - 3.40")	kg	**34.60** (76.26)	mm	**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





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)	

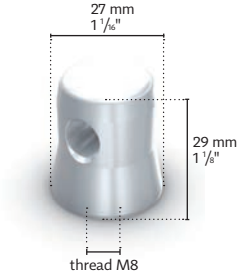
Pin M



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)	

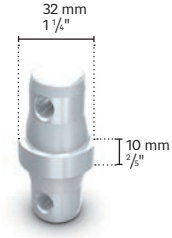
Half connector M with M8 thread
Fixing screw not included (order separately if required)



SRPM

Series	kg	lbs
M222	**0.01** (0.01)	

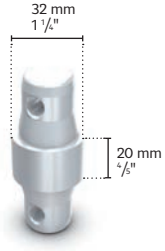
Safety R Clip M



CCMD10

Series	kg	lbs
M222	**0.08** (0.18)	

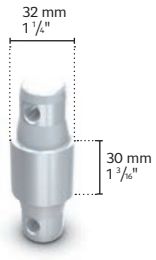
Spacer M 10 mm (0.39")



CCMD20

Series	kg	lbs
M222	**0.10** (0.22)	

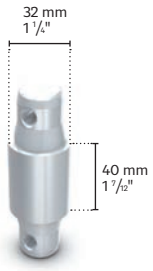
Spacer M 20 mm (0.79")



CCMD30

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

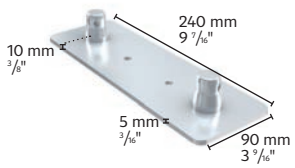
Spacer M 30 mm (1.18")



CCMD40

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

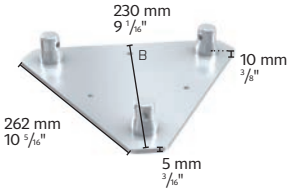
Spacer M 40 mm (1.58")



MWPDC|MALE

Series	kg	lbs
M222	**0.40** (0.88)	

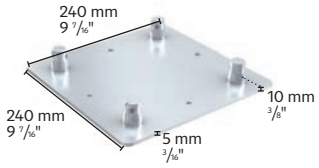
Duo base plate with half connectors
Base plate includes mounting holes



MWPTC|MALE

Series	kg	lbs
M222	**0.60** (1.32)	

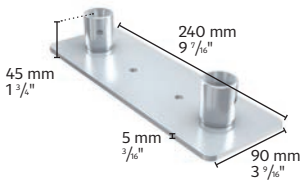
Trio base plate with half connectors
Base plate includes mounting holes



MWPQC|MALE

Series	kg	lbs
M222	**0.94** (2.07)	

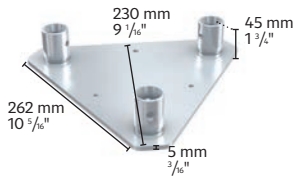
Quatro base plate with half connectors
Base plate includes mounting holes



MWPD|FEMALE

Series	kg	lbs
M222	**0.50** (1.10)	

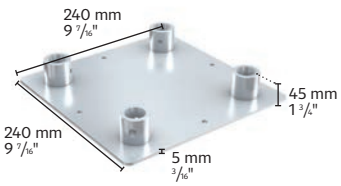
Duo base plate with female receivers
Base plate includes mounting holes



MWPT|FEMALE

Series	kg	lbs
M222	**0.70** (1.54)	

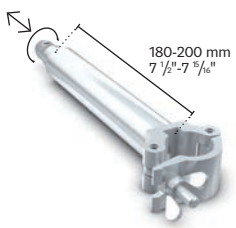
Trio base plate with female receivers
Base plate includes mounting holes



MWPQ|FEMALE

Series	kg	lbs
M222	**1.04** (2.29)	

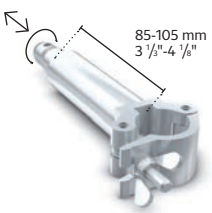
Quatro base plate with female receivers
Base plate includes mounting holes



CON03M|CELL

Series	kg	lbs
M222	**0.27** (0.60)	

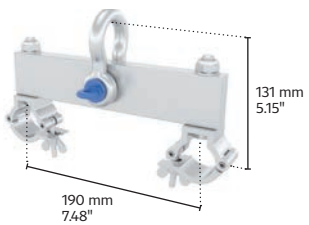
Clamp extension long
For 32 mm (1.26") tubes



CON04M|CELL

Series	kg	lbs
M222	**0.24** (0.53)	

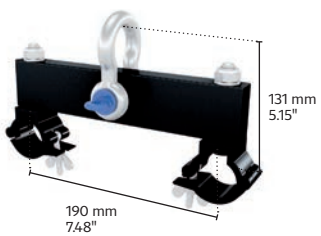
Clamp extension short
For 32 mm (1.26") tubes



CS-M222

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

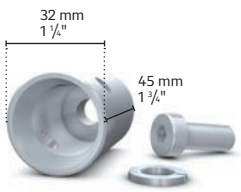
Ceiling support for M222
SWL 250 kg (551 lbs)



CS-M222|COLOR

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

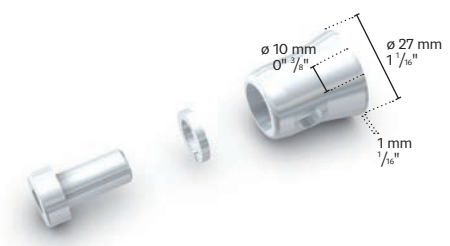
Ceiling support for M222
SWL 250 kg (551 lbs)



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)

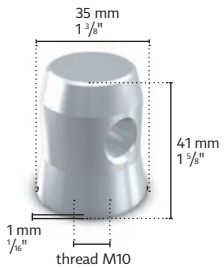
Pin B with M8 thread
Supplied with washer and nylock nut.



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.



CCBM10|MALE

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

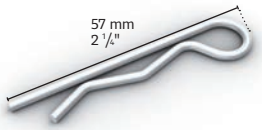
Half connector B with M10 thread
Fixing screw not included (order separately if required)
F&U compatible versions available



CCBM12|MALE

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

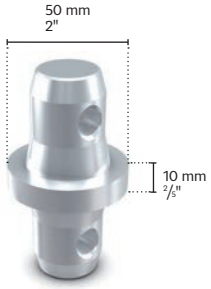
Half connector B with M12 thread
Fixing screw not included (order separately if required)
F&U compatible versions available



SRPB

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

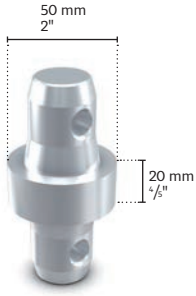
Safety R Clip B



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)	

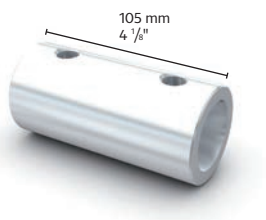
Spacer B 40 mm (1.58")
F & U compatible version available



CCBD50

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

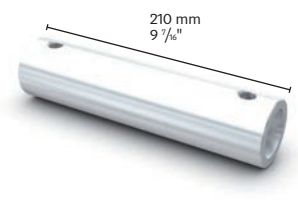
Spacer B 50 mm (2")
Various lengths available on request
F & U compatible version available



CFBD105

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

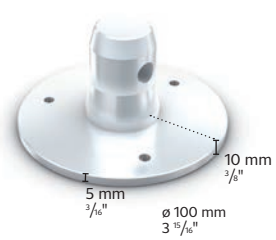
105 mm (4.13") female spacer
F & U compatible version available



CFBD210

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

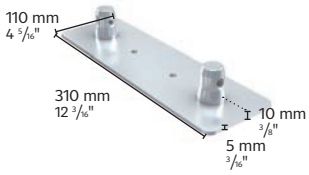
210 mm (8.27") female spacer
F & U compatible version available



BBPSC|MALE

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

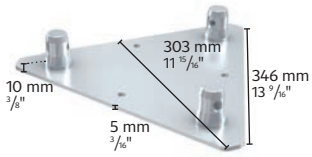
Base plate with half connector
F & U compatible version available



BWPDC|MALE

Series	kg	lbs
M290	**0.64** (1.41)	

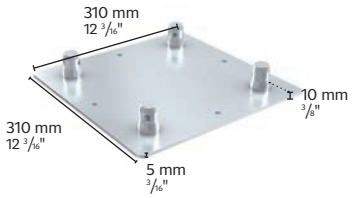
Duo base plate with half connectors
Base plate includes mounting holes F & U compatible versions available



BWPTC|MALE

Series	kg	lbs
M290	**1.08** (2.38)	

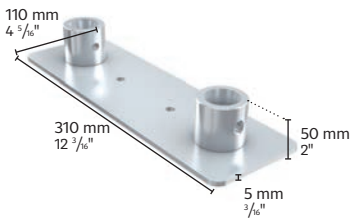
Trio base plate with half connectors
Wall plates have mounting holes F & U compatible versions available



BWPQC|MALE

Series	kg	lbs
M290	**1.65** (3.64)	

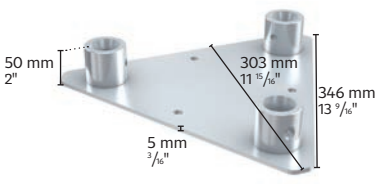
Quatro base plate with half connectors
Base plate includes mounting holes F & U compatible versions available



BWPD|FEMALE

Series	kg	lbs
M290	**0.74** (1.63)	

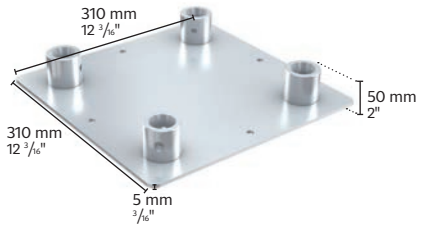
Duo base plate with female receivers
Base plate includes mounting holes
F & U compatible versions available



BWPT|FEMALE

Series	kg	lbs
M290	**1.23** (2.71)	

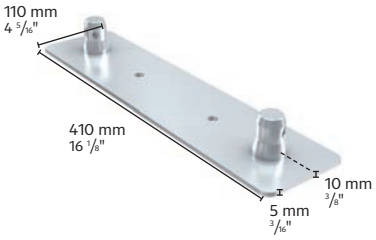
Trio base plate with female receivers
Base plate includes mounting holes
F & U compatible versions available



BWPQ|FEMALE

Series	kg	lbs
M290	**1.86** (4.09)	

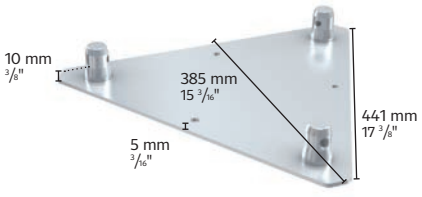
Quatro base plate with female receivers
Base plate includes mounting holes
F & U compatible versions available



KWPDC|MALE

Series	kg	lbs
M390	**0.79** (1.68)	

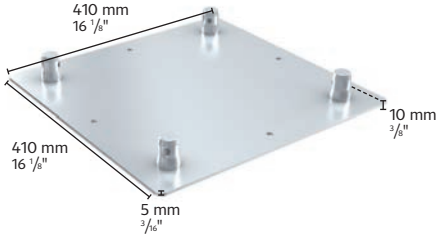
Duo base plate with half connectors
Base plate includes mounting holes
F compatible versions available



KWPTC|MALE

Series	kg	lbs
M390	**1.57** (3.46)	

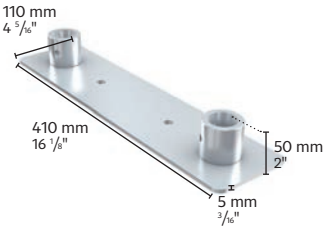
Trio base plate with half connectors
Base plate includes mounting holes
F compatible versions available



KWPQC|MALE

Series	kg	lbs
M390	**2.63** (5.80)	

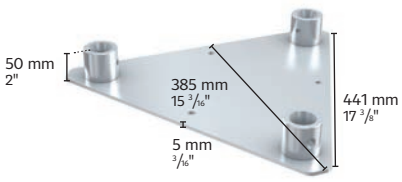
Quatro base plate with half connectors
Base plate includes mounting holes
F compatible versions available



KWPD|FEMALE

Series	kg	lbs
M390	**0.89** (1.96)	

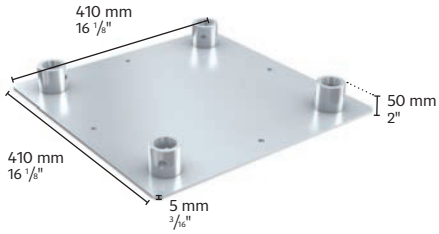
Duo base plate with female receivers
Base plate includes mounting holes
F compatible versions available



KWPT|FEMALE

Series	kg	lbs
M390	**1.73** (3.81)	

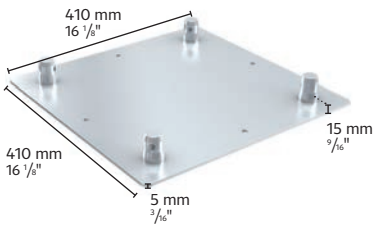
Trio base plate with female receivers
Base plate includes mounting holes
F compatible versions available



KWPQ|FEMALE

Series	kg	lbs
M390	**2.83** (6.24)	

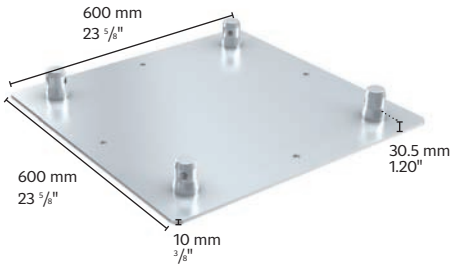
Quatro base plate with female receivers
Base plate includes mounting holes
F compatible versions available



OBPQC|MALE

Series	kg	lbs
M400	**3.10** (6.83)	

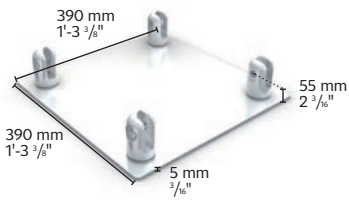
Quatro base plate with half connectors



PBPQC|MALE

Series	kg	lbs
M520	**10.85** (23.92)	

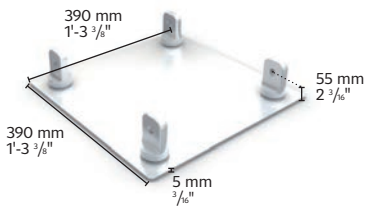
Quatro base plate with half connectors



4GS-35-BPF

Series	kg	lbs
4GS-35	**2.84** (6.26)	

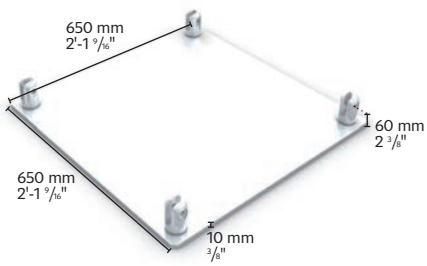
Female base plate



4GS-35-BPM

Series	kg	lbs
4GS-35	**2.77** (6.11)	

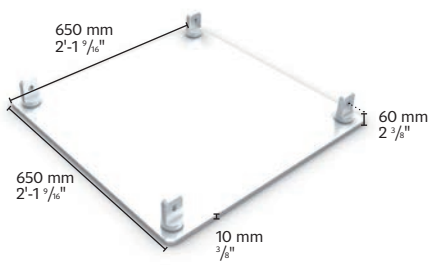
Male base plate



4GS-62-BPF

Series	kg	lbs
4GS-62	**12.71** (28.02)	

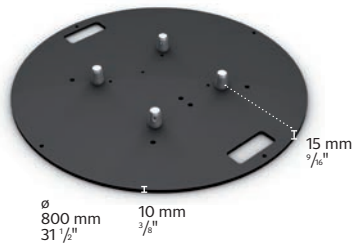
Female base plate



4GS-62-BPM

Series	kg	lbs
4GS-62	**12.20** (26.90)	

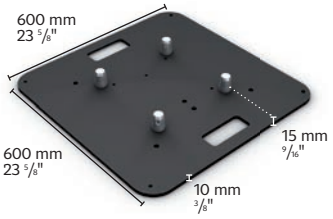
Male base plate



BBPD800|QTB|STEEL

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

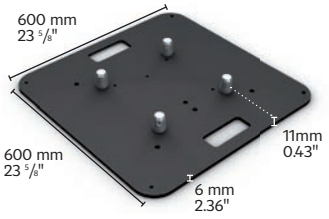
Round steel base plate with half connectors
Pre-drilled holes for multiple truss ranges & shapes
F & U compatible versions available



BBP600X600X10|QTB|STEEL

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

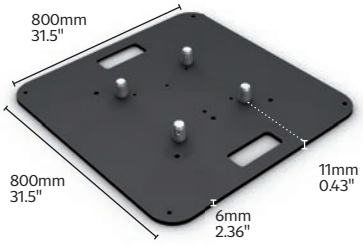
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges & shapes
F & U compatible versions available



BBP600X600X6|QTB|STEEL

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

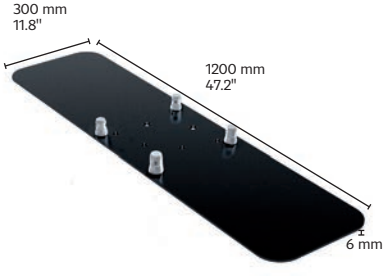
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges & shapes
F & U compatible versions available



BBP800X800X6|QTB|STEEL

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

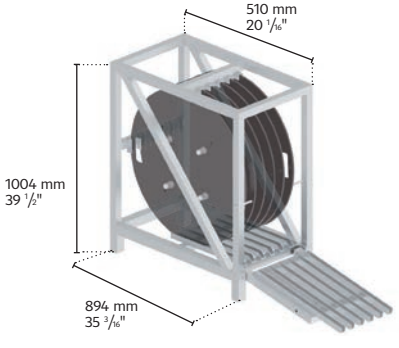
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges & shapes
F & U compatible versions available



BBP1200X300|QTB|STEEL

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

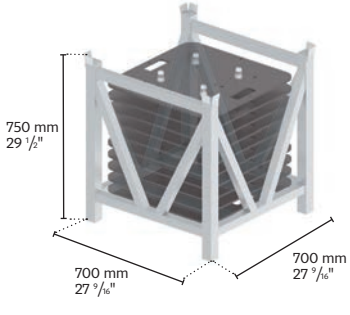
Steel base plate with half connectors
Pre-drilled holes for multiple truss ranges & shapes
F & U compatible versions available



CAGE-BP-M-B-K-D800

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

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



CAGE-BP-M-B-K-600X600

Series	kg	lbs
M222		
M390	**18.00** (39.68)	
M390		

Transport cage for BBP600x600|QTB|STEEL
Holds up to 10 x BP-600X600X10



CCO

Series	kg	lbs
M400		
M520	**0.30** (0.66)	
M760		
M950		

Conical connector O



PO|PIN

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

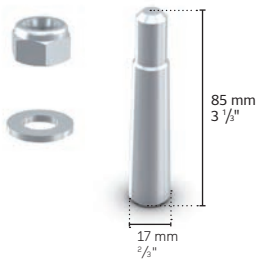
Pin O



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)	

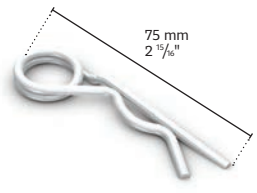
Stainless steel Pin O withM12 thread
Supplied with washer and nylock nut.



CCOM16|MALE

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

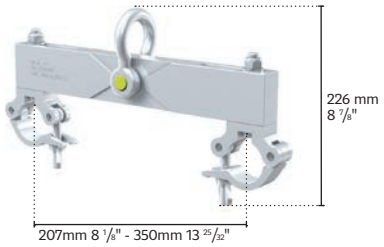
Half conical connector O with M16 thread
Fixing screw not included (order separately if required).



SRPO

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

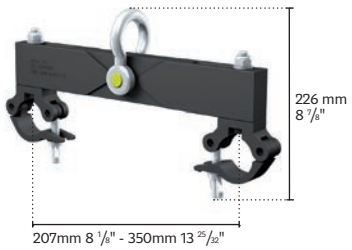
Safety R Clip O



CS-M290/M400

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

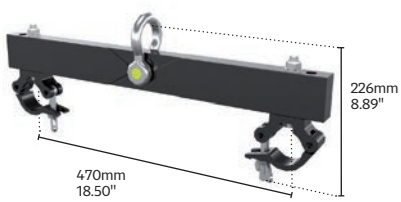
Ceiling support - silver
SWL 1000 kg (2204 lbs) - DGUV17/BGVC1



CS-M290/M400|COLOR

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

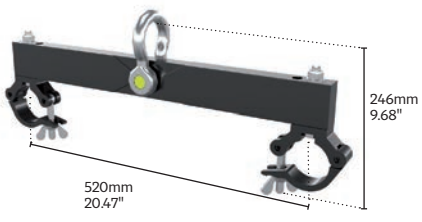
Ceiling support - black
SWL 1000 kg (2204 lbs) - DGUV17/BGVC1



CS-M520/M760|COLOR

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

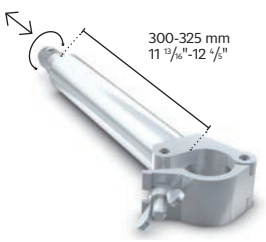
Ceiling support - black
SWL 1120 kg (2470 lbs) - DGUV17/BGVC1



CS-M950|COLOR

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

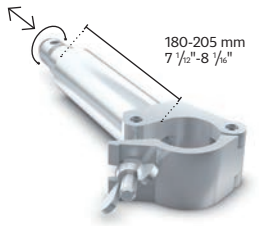
Ceiling support - black
SWL 1000 kg (2204 lbs) - DGUV17/BGV C1



CON01A/B|CELL

Series	kg	lbs
M290 M290E M390 M290x390	**1.15** (2.54)	

Clamp extension long
For 48 - 51 mm (1.89" - 2.01") tubes
F & U compatible versions available



CON02A/B|CELL

Series	kg	lbs
M290 M290E M390 M290x390	**1.00** (2.20)	

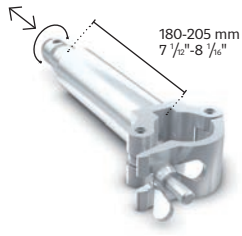
Clamp extension short
For 48 - 51 mm (1.89" - 2.01") tubes
F & U compatible versions available



CON03B|CELL

Series	kg	lbs
M290 M290E M390 M290x390	**1.08** (2.38)	

Clamp extension longxx
For 48 - 51 mm (1.89" - 2.01") tubes
F & U compatible versions available



CON04B|CELL

Series	kg	lbs
M290 M290E M390 M290x390	**0.94** (2.07)	

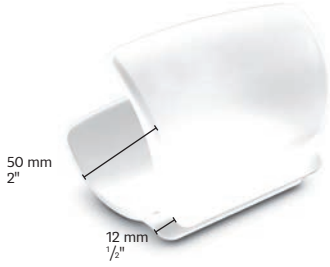
Clamp extension short
For 48 - 51 mm (1.89" - 2.01") tubes
F & U compatible versions available



CL32|CLEAR

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

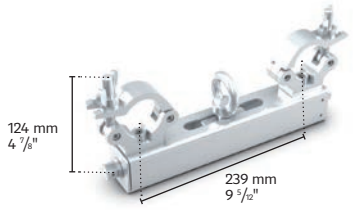
Clip 32x
Banner attachment for ø=32 mm (0.63") tubes. Colour: clear



CL50|CLEAR

Series		
M290B M290E M390K M290x390	**0.03** (0.07)	

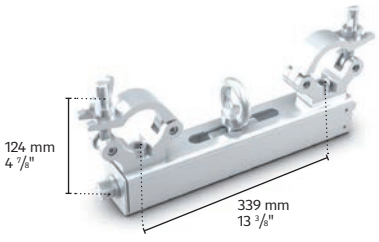
Clip 50
Banner attachment for ø=50 mm (2") tubes. Colour: clear
Not compatible with 48 mm (1.89") tubes.



CS3B-ADJ-M290

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

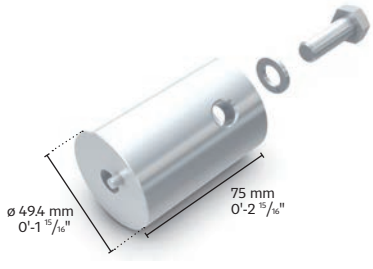
Ceiling support for M290 - Adjustable center of gravity
SWL 749.6 lbs (340 Kg)



CS3B-ADJ-M390

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

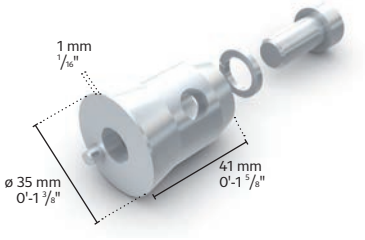
Ceiling support for M390 - Adjustable center of gravity
SWL 749.6 lbs (340 Kg)



CON64B|FEMALEPIN

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

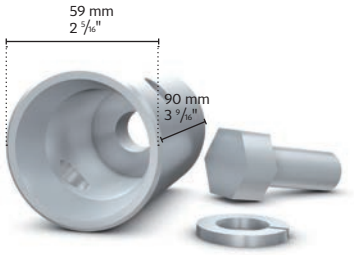
Female connector for Multicubes M290/M390 series
Supplied with washer and M12x35 bolt.
F & U compatible version available



CON63B|MALEPIN

Series	kg	lbs
M290 M390 M290x390	**0.17** (0.37)	

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







CON47O|FEMALE

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

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 M290x390	**0.73**	(1.61)

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

CON60BE|PARCELDUO

Series	kg	lbs
M290E	**0.30**	(0.66)

Connection set - DUO electro trussx
1x CCB, 2x PB|Pin, 2x SRPB, M10x45 bolt / washer / nut

CON61BE|PARCELTRIO

Series	kg	lbs
M290E	**0.52**	(1.15)

Connection set - TRIO electro truss
2x CCB, 4x PB|Pin, 4x SRPB, M12x70 bolt / washer / nut







CON42O|PARCELQUATRO

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

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

PGS|PIN|ZN

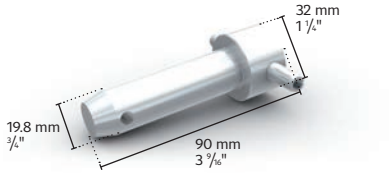
Series	kg	lbs
4GS-35 4GS-50 4GS-62	**0.10**	(0.22)

Pin GS

PGSF|PIN

Series	kg	lbs
4Gs-62f	**0.20**	(0.44)

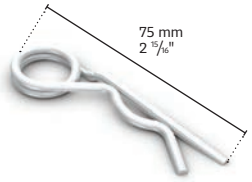
Pin GS Folding



PGX

Series	kg	lbs
4GX-91	**0.29** (0.64)	

Pin GX



SRPO

Series	kg	lbs
4GS-35 4GS-50 4GS-62 4GS-62F 4GX-91	**0.0003** (0.01)	

Safety R Clip O



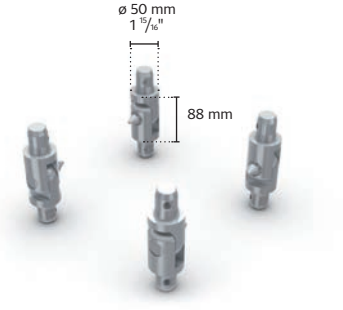
CON119GS|PARCELQUATRO

Series	kg	lbs
4GS-35 4GS-50 4GS-62 4GS-62F	**0.42** (0.93)	

Connection set - QUATRO truss
4x PGS, 4x SRPO







CON133GS|PARCELFOLD

Series	kg	lbs
4GS-62F	**0.42** (0.93)	

Connection set - FOLD truss
2x PGS, 3x SRPO, 1x PGSF

CON139GX|PARCELQUATRO

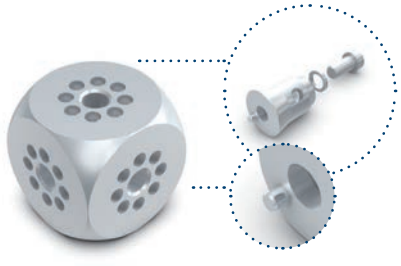
Series	kg	lbs
4GX-91	**1.15** (2.54)	

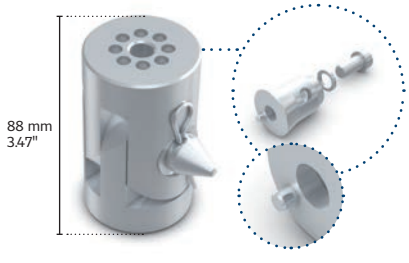
Connection set - QUATRO trussx
4x PGX, 4x SRPO

MT1-07B|HINGES|4PCS

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

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







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)	

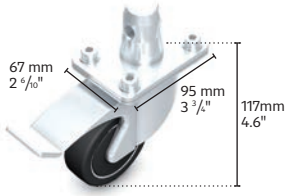
Modular hinge solution for DUO, TRIO, QUATRO in one
Set includes 2x CON63B|MalePin
F & U compatible versions available



TRU-SLE-M290|WH
TRU-SLE-M290|BL

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

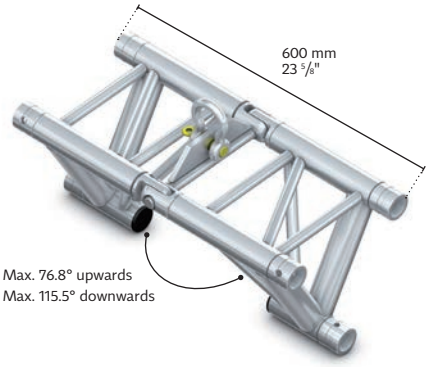
Truss textile sleeve for M290 quatro
Black or white, B1 flame retardant textile
Available lengths 1.5m; 2m; 2.5m or 25m roll



BBPSC-GW

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

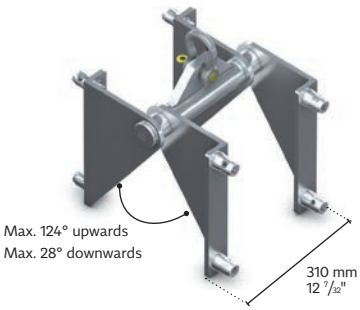
Transport wheel with brake and half coupler
F & U compatible versions available



HP-STB-FLEX

Series	kg	lbs
M290 M390	**7.2** (15.87)	

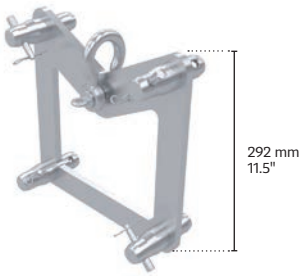
Flexible Hinge Section for TRIO Truss
WLL 1000kg (2204.2 lbs)
DGUV17 / BGVC1
F & U compatible versions available



HP-QTB-FLEX

Series	kg	lbs
M290 M390	**9.7** (21.37)	

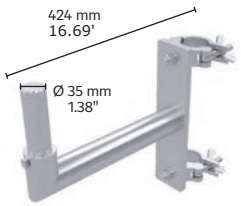
Flexible Hinge Section for QUATRO Truss
WLL 1000kg (2204.2 lbs)
DGUV17 / BGVC1
F & U compatible versions available



HANGING-PLATE-QTB

Series	kg	lbs
M290	**3.5** (7.72)	

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)	

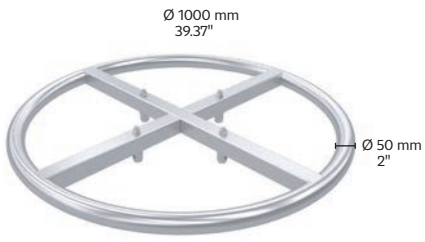
Side mounted speaker holder for 48-51mm tube
SWL = 70 kg (154 lbs)



TOP-BRACKET-QTB

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

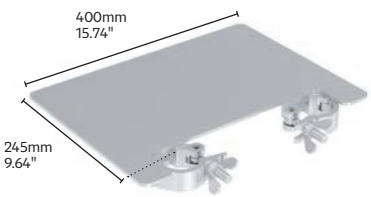
M290 top bracket for lights, tube 48mm, incl. 4x half male connector
F & U compatible versions available



TOP-RING-QTB-D1000

Series	kg	lbs
M290	**6.00** (13.20)	

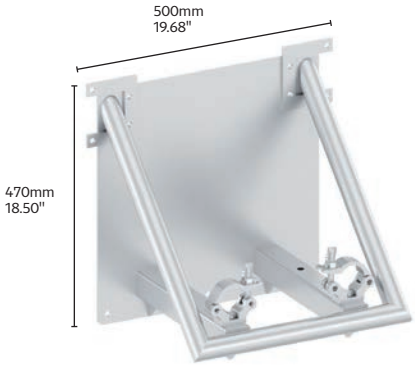
M290 top circle, outer d=1m, tube 50mm, incl. 4x half male connector
F & U compatible versions available



ALU-SHELF|M290

Series	kg	lbs
M290	**2** (4.4)	

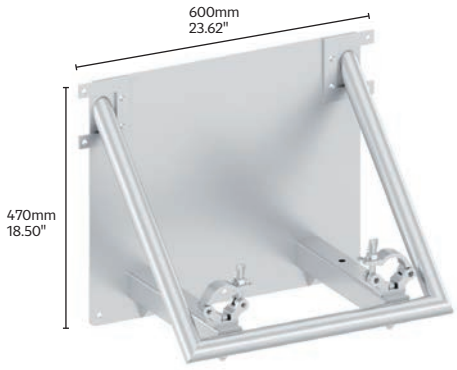
Aluminium shelf



WALLPLATE-M290|500KG

Series	kg	lbs
M290	**6.2** (13.7)	

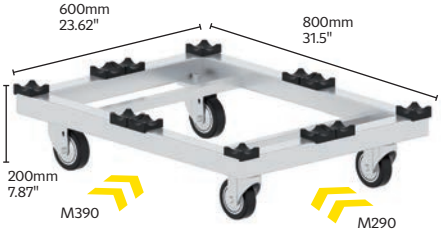
Truss wall mount, SWL 500 kg (1102 lbs)



WALLPLATE-M390|500KG

Series	kg	lbs
M390	**7.0** (15.4)	

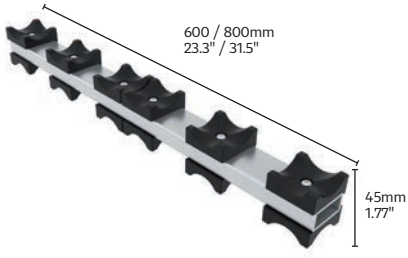
Truss wall mount, SWL 500 kg (1102 lbs)



TRUSS-DOLLY

Series	kg	lbs
M290 M390	**10.1** (22.26)	

Truss dolly for transport & stocking



TRUSS-INSERT|M290
TRUSS-INSERT|M390

Series	kg	lbs
M290	**1.3 (2.86)**	
M390	**1.5 (3.3)**	

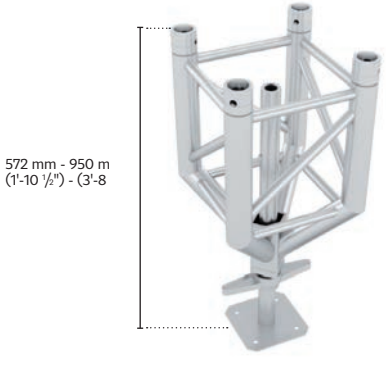
Truss insert for transport & stocking



TRA-CLI-2XD50

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

Truss transport clip
Fits 48-51mm tubes.



LEGM290V|572-950

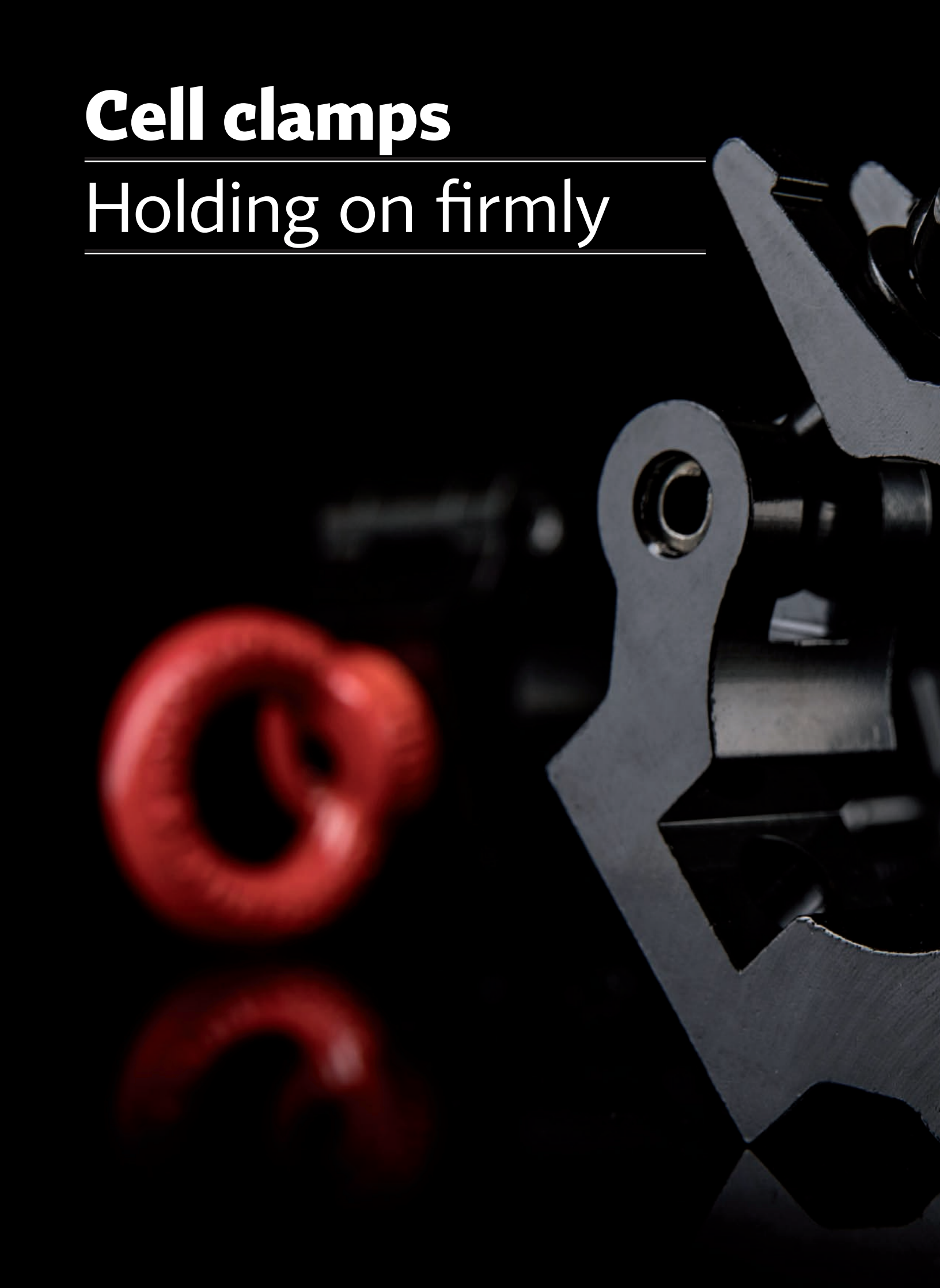
Series	kg	lbs
M222	**7.70** (16.97)	

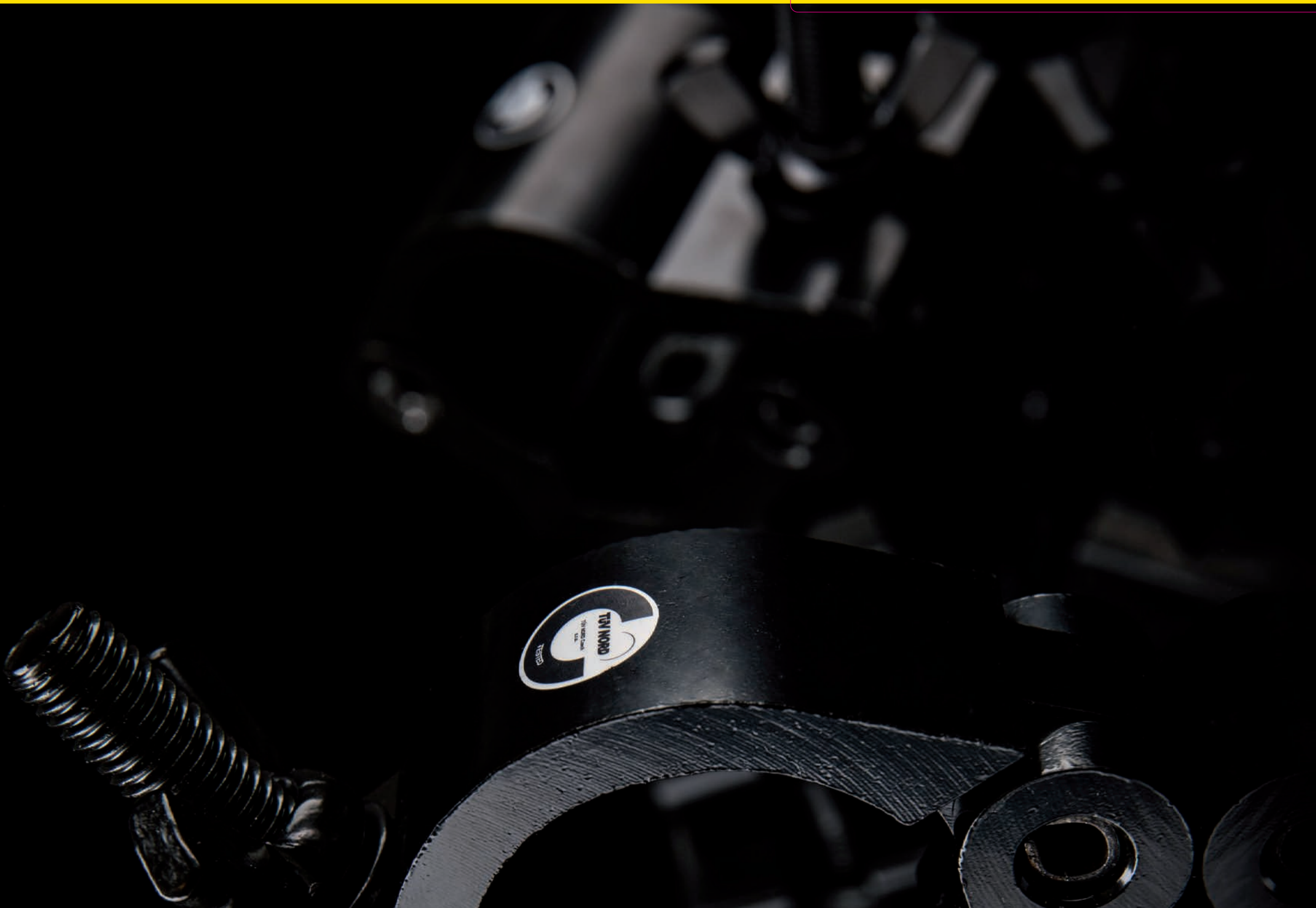
Adjustable pedestal leg 572-950mm
Available for M390


ID:13501641
SWL 1000kg BGV C1

Cell clamps

Holding on firmly




TÜV NORD

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

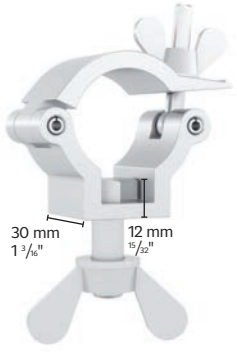


CELL131 / CELL 131|anodized

Basic clamp

kg	lbs	SWL1	SWL2	Weight	Tube Ø
		160 (353)	**330** (728)	**0.10** (0.2)	**32-35 mm** (1.26"-1.38")

Basic Clamp can be used for most applications.

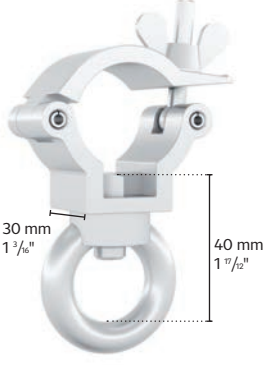


CELL132

Clamp with bolt and wignut

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.



CELL133

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

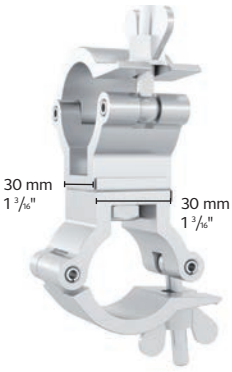


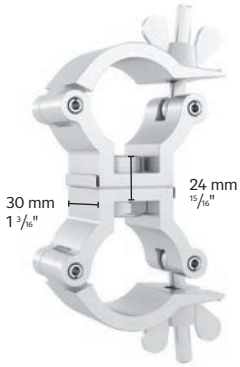
CELL134 / CELL134|anodized

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.





CELL135

90° fixed coupler

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

90° fixed coupler

CELL136

Parallel 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 fixed parallel to each other for connection of two tubes.



CELL143

Horizontal attachment

mm	in	L1	L2	L3	Tube Ø
		250 (9 53/64")	**500** (19 43/64")	**750** (29 33/64")	**32-35 mm** (1.26"-1.38")

Tube 32x1.5mm also available in custom lengths.





CELL200

- Designed for 48-51mm (1 7/8"-2") diameter tubes
- Precision extruded high tensile aluminium alloy
- Compatible with M290 / M390 / M400 / M520 / M760 / 4GS-35 / 4GS-50 / 4GS-62
- Supplied with M12 bolt & wingnut
- Mounting hole for up to 13mm (1/2") bolts
- Polished surface with micro-percussion markings
- Powder coated versions available on request
- Rated with SF 8:1 (kg) DGUV17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)
- Black anodized versions of CELL201/203/204/207 available



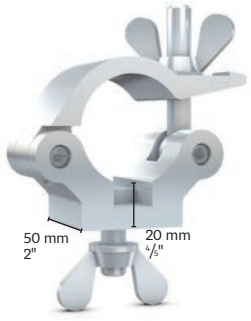
CELL201 / CELL201|anodized

Basic clamp

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.



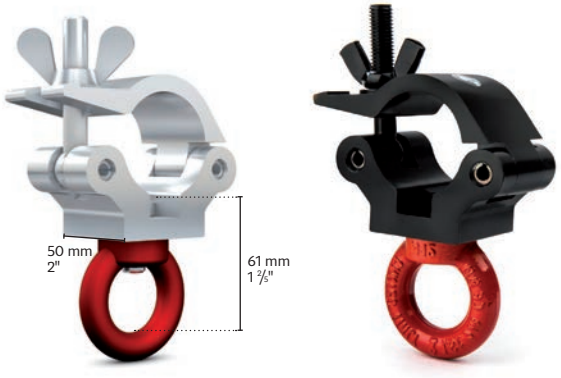
CELL202

Clamp with bolt and wingnut

kg | lbs

SWL1	SWL2	Weight	Tube Ø
650 (1433)	**1300** (2865)	**0.59** (1.30)	**48-51 mm** (1.89"-2")

Clamp supplied with M12 x 35 bolt and wingnut.



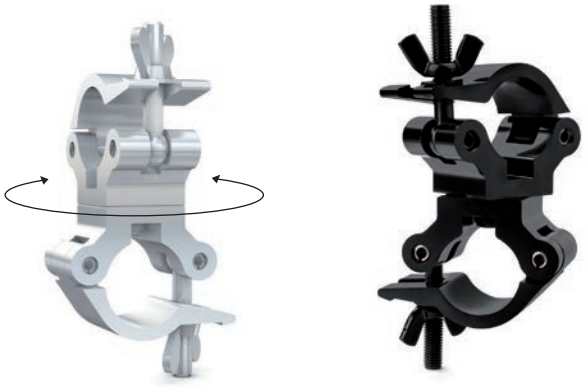
CELL203 / CELL203|650kg|anodized

Clamp with lifting eye

kg | lbs

SWL1	SWL2	Weight	Tube Ø
650 (1433)	**1300** (2865)	**0.65** (1.43)	**48-51 mm** (1.89"-2")

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



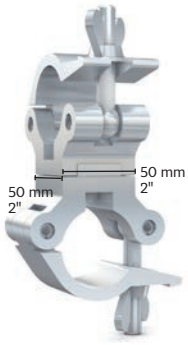
CELL204 / CELL204|anodized

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.

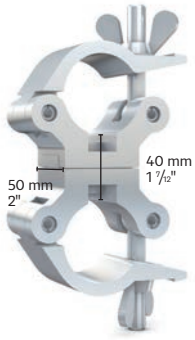


CELL205

90° fixed 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 fixed at 90° to each other for connection of two tubes.

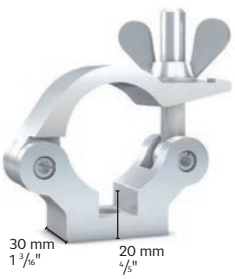


CELL206

Parallel 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 fixed parallel to each other for connection of two tubes.



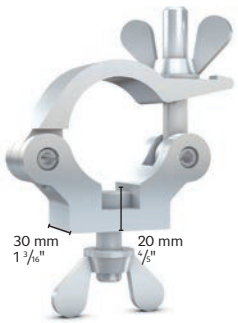


CELL207 / CELL207|anodized

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.



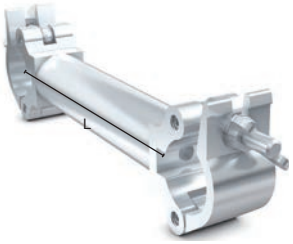
CELL208

Slim clamp with bolt and nut

kg	lbs	SWL1	SWL2	Weight	Tube Ø
		560 (1234)	**1120** (2469)	**0.39** (0.86)	**48-51 mm** (1.89"-2")

Slim clamp supplied with M12 x 50 bolt and wingnut.



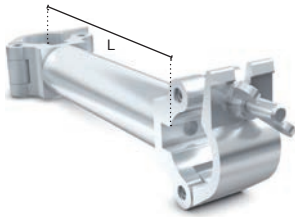


CELL209

Extended parallel coupler

mm	in	L1	L2	L3	Tube Ø
		250 (9 84“)	**500** (19.69“)	**1000** (39 37“)	**48-51 mm** (1.89“-2“)

Set of two clamps connected with aluminium tube in various lengths for parallel tube connections. Custom lengths available.

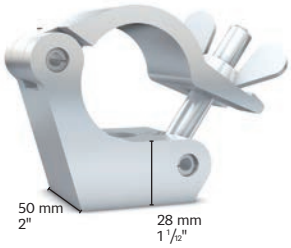


CELL210

Extended parallel coupler

mm	in	L1	L2	L3	Tube Ø
		250 (9 84“)	**500** (19.69“)	**1000** (39 37“)	**48-51 mm** (1.89“-2“)

Set of two clamps connected with aluminium tube in various lengths for 90° tube connections. Custom lengths available.



CELL211

Side clamp

kg	lbs	SWL1	SWL2	Weight	Tube Ø
		780 (1719)	**1560** (3439)	**0.55** (1.21)	**48-51 mm** (1.89“-2“)

Side clamp is ideal for using with trusses. Substitute for claw clamp.

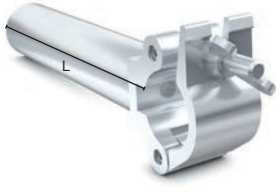


CELL212

Slim side clamp

kg	lbs	SWL1	SWL2	Weight	Tube Ø
		410 (904)	**820** (1807)	**0.35** (0.77)	**48-51 mm** (1.89“-2“)

Side clamp is ideal for using with trusses. Substitute for claw clamp.



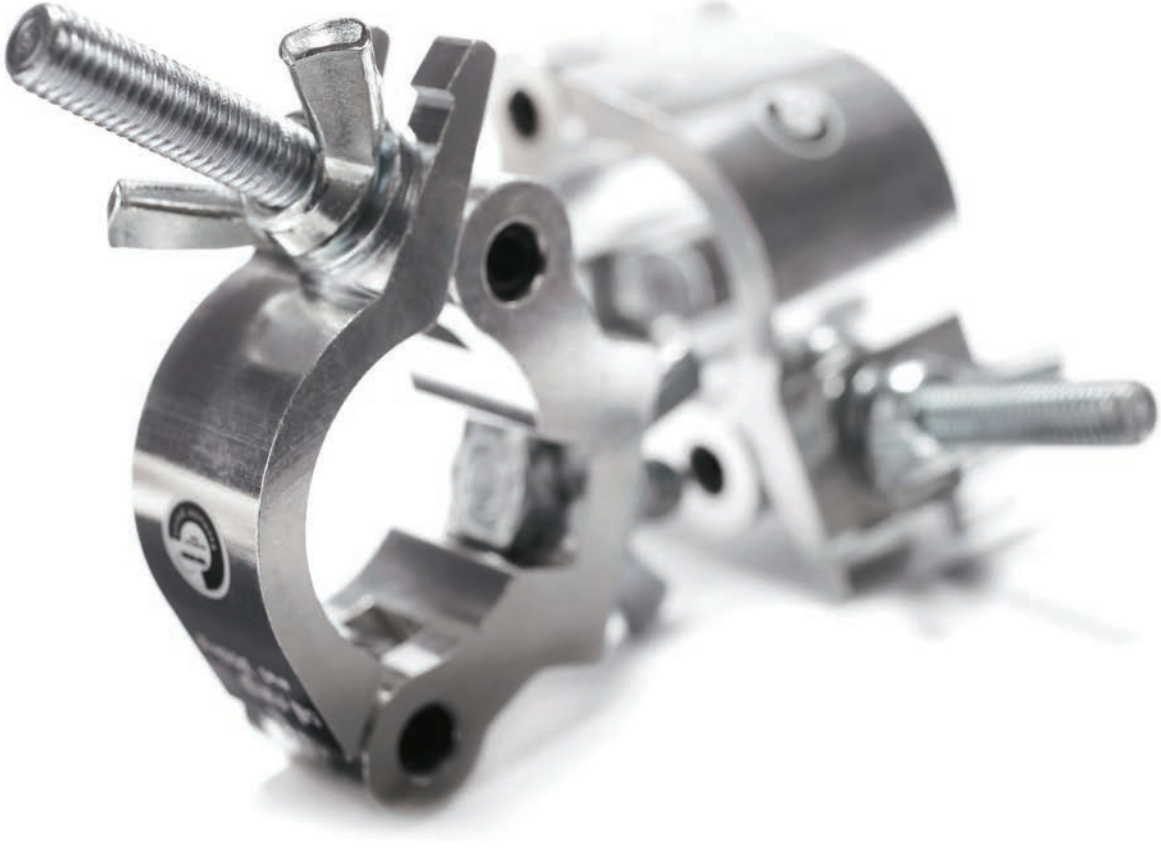
CELL213

Horizontal attachment

mm	in	L1	L2	L3	Tube Ø
		250 (9 84“)	**500** (19.69“)	**750** (29 53“)	**48-51 mm** (1.89“-2“)

50 x 2 mm
Also available in custom lengths


CELL RANGE 200
SWL 500KG



CELL300

- Designed for 60-63.5mm (2 3/8"-2 1/2") diameter tubes
- Precision extruded high tensile aluminium alloy
- DGUV17/BGV C1 rating
- Compatible with M950 / 4GS-91
- Supplied with M12 bolt & wingnut
- Mounting hole for up to 13mm (1/2") bolts
- Polished surface with micro-percussion markings
- Powder coated versions available on request
- Rated with SF 8:1 (kg) DGUV17/BGV C1 (SWL1)
- Rated with SF 4:1 (kg) 2006/42/EC (SWL2)

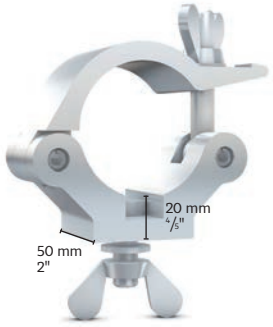


CELL301

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.

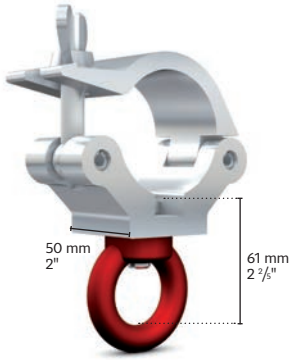


CELL302

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.

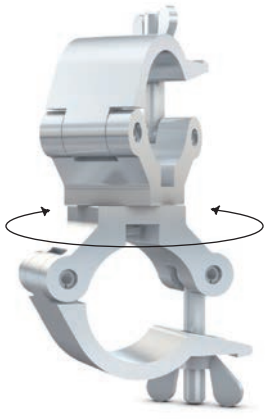


CELL303

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

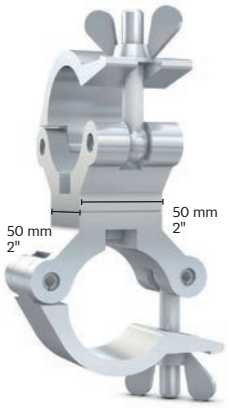


CELL304

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.

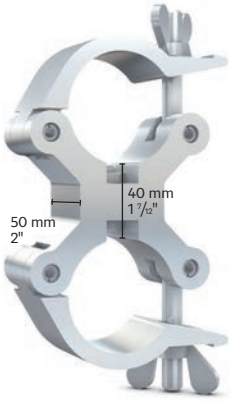


CELL305

90° fixed 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 fixed at 90° to each other for connection of two tubes.



CELL306

Parallel coupler

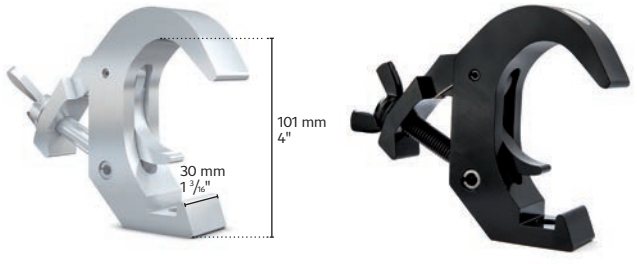
kg	lbs	SWL1	SWL2	Weight	Tube Ø
		650 (1433)	**1300** (2865)	**1.50** (3.30)	**60-63.5 mm** (2.36"-2.5")

Set of two clamps fixed parallel to each other 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



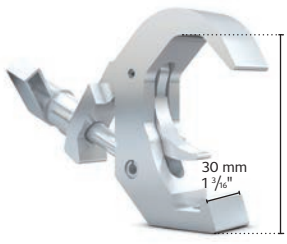
CELL401 / CELL401|anodized

Quick clamp

kg (lbs)

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

Quick clamp can be used for welding or construction of special items.



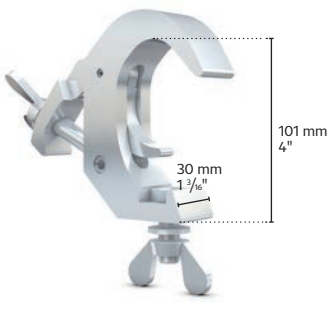
CELL411

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")

Quick clamp can be used for welding or construction of special items.
Suitable for tubes up to 60 mm (2.36")



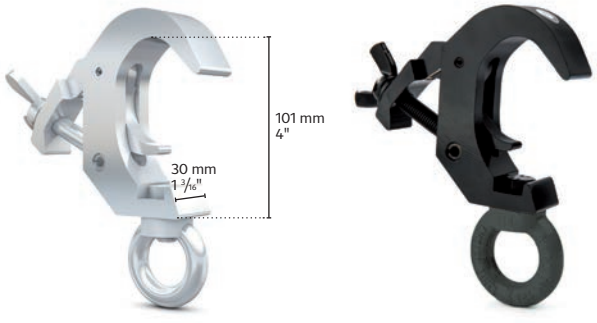
CELL402

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

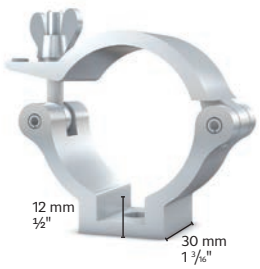
kg (lbs)

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.

CELL500

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



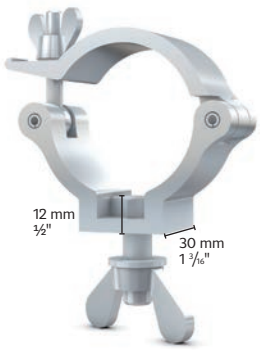
CELL501

Basic clamp

kg | lbs

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

Basic clamp can be used for lightweight applications.



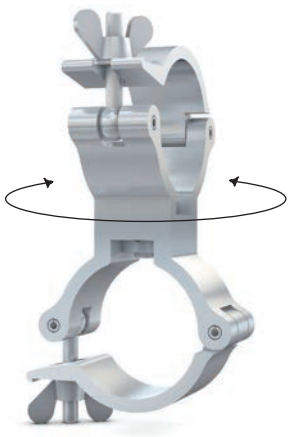
CELL502

Clamp with bolt and wingnut

kg | lbs

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

Clamp supplied with M10 x 30 bolt and wingnut.



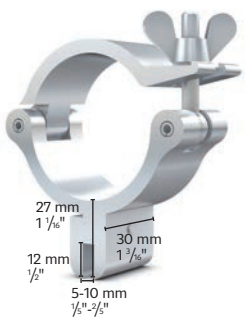
CELL504

Swivel coupler

kg | lbs

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

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



CELL511

Panel holder

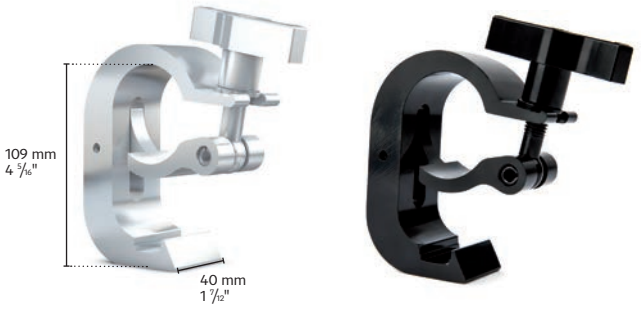
kg | lbs

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



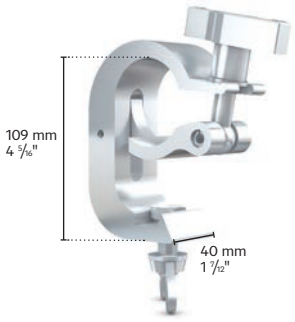
CELL601 / CELL601|anodized

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.



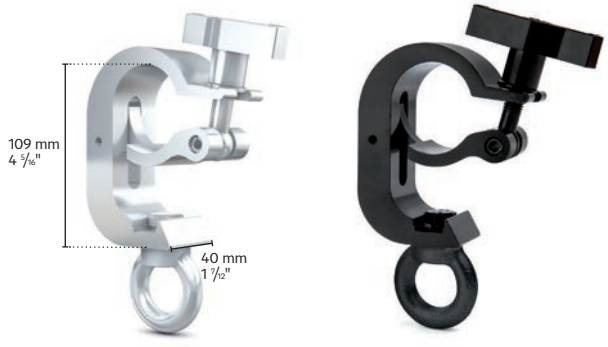
CELL601

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.



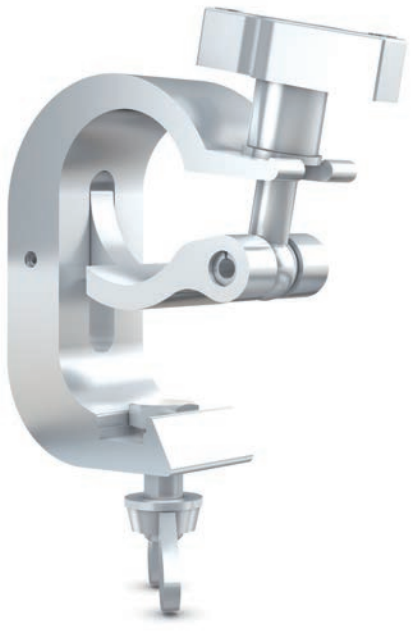
CELL603 / CELL603|anodized

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.





Towers & LED screen structures

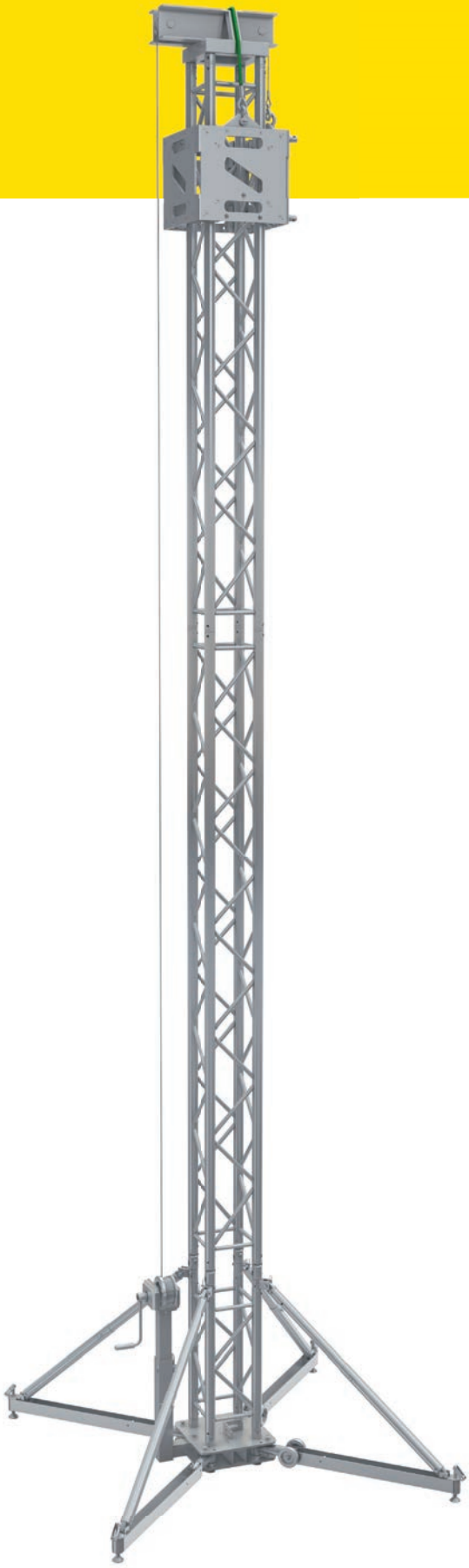
Raise your loads





MT05 tower

- Compact M290 series tower system - 6.2 m (20.34 ft)
- Sleeve block designed for use with M290 trusses
- Long outriggers (incl. stabilising braces) integrated into tower base
- Lifting operations with either electrical or manual chain hoist

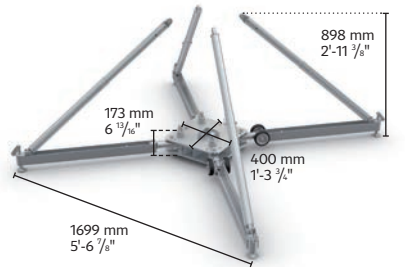


Truss series M290

Main Chords	mm / in	50x2 (2x0.08)
Diagonals	mm / in	16x2 (0.62x0.08)
Height	m / ft	6.2 (20.34)
Self weight	kg / lbs	125 (276)

Components for MT05 6.2m tower

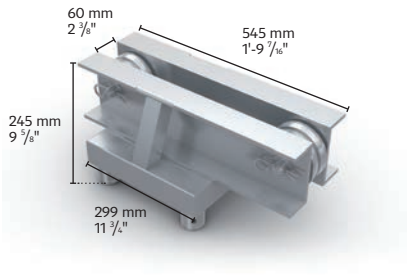
MT05-01|AlBase	1 piece
MT05-02|HeadSection	1 piece
MT05-03|QTB|SleeveBlock	1 piece
MT05-06|HandWinch	1 piece
MT05-07|Hinges|4pcs	1 set
MT05-10|FixSet|wire+2xSh2t	1 piece
QTB700|0.7m	1 piece
QTB2500|2.5m	1 piece
QTB3000|3m	1 piece



MT05-01|AlBase

kg	lbs	Weight
		35.00 (77.15)

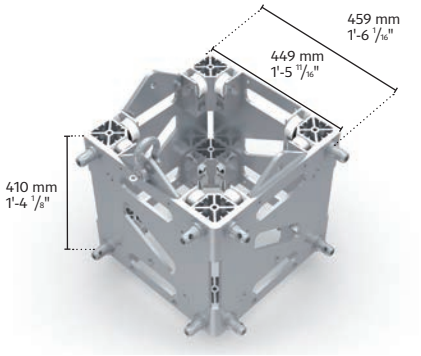
Aluminium base
Fitted with long, foldable outriggers



MT05-02|HeadSection

kg	lbs	Weight
		13.00 (28.65)

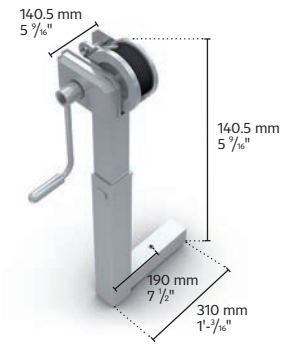
Head section for chain
Fitted with steel pulleys for 7 - 8mm (0.28 - 0.31'') chain



MT05-03|QTB|SleeveBlock

kg	lbs	Weight
		33.00 (72.74)

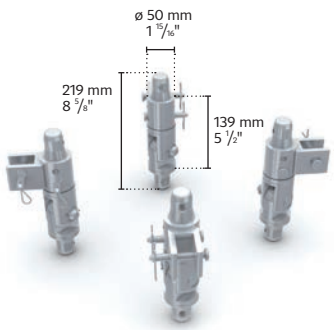
Sleeve block
Used with MT05 towers, suitable for M290 Quatro trusses.



MT05-06|HandWinch

kg	lbs	Weight
		10.00 (22.04)

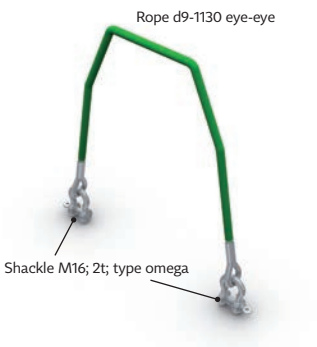
Hand winch
Alko hand winch is quipped with an aluminium square leg, which fits into the tower base



MT05-07|Hinges|4pcs

kg	lbs	Weight
		4.20 (9.26)

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



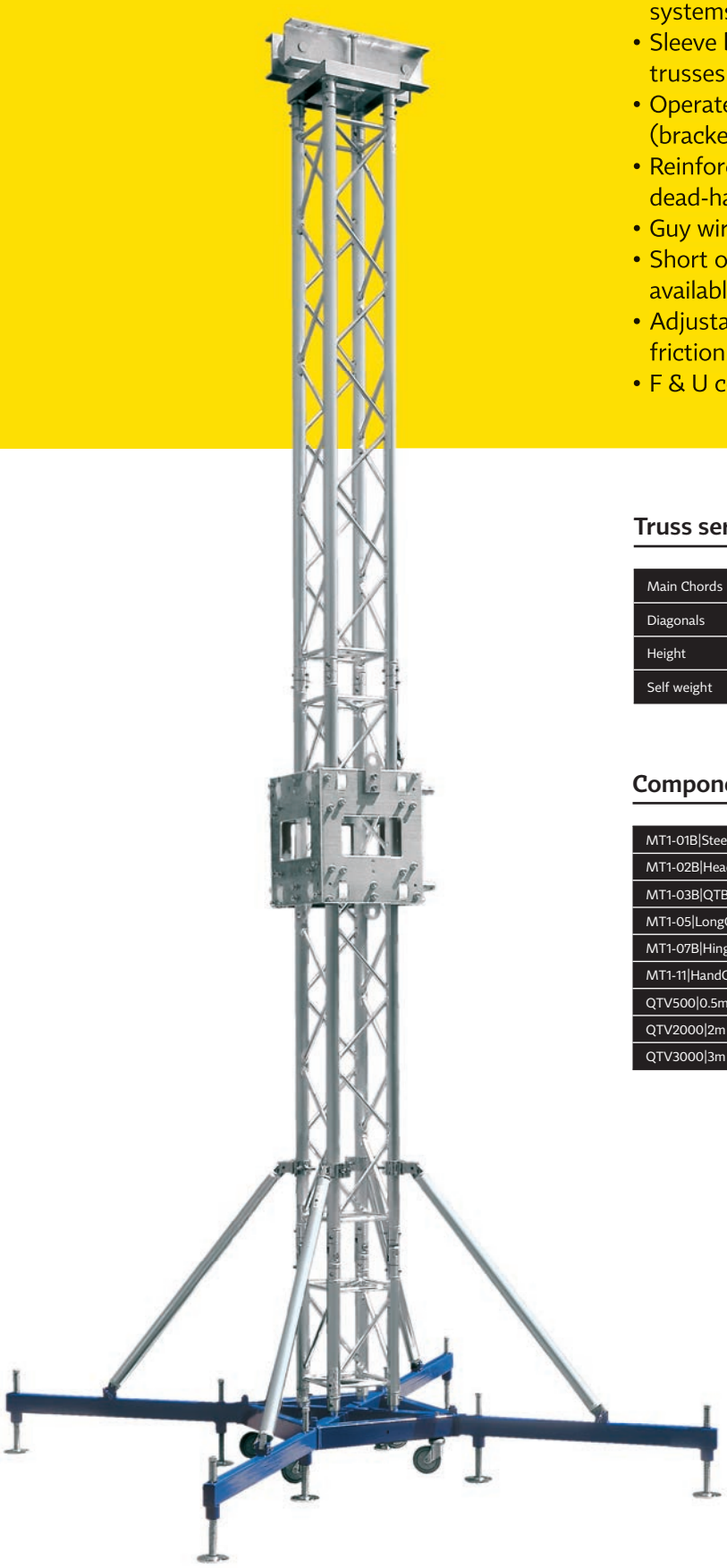
MT05-10|FixSet|wire+2xSh2t

kg	lbs	Weight
		3.00 (6.61)

Safety wire
Used over MT05 mast top to secure sleeve block; protected with clear pvc

MT1 tower

- Compact, heavy-duty M290 series tower system - 7.5m (24.60 ft) max 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

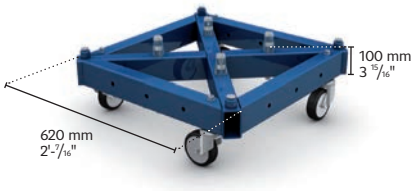


Truss series M290V

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

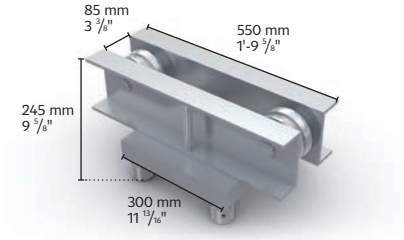


MT1-01B|SteelBase

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.

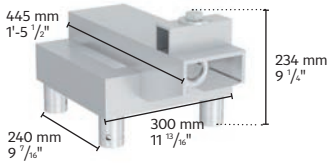


MT1-02B|HeadSection|forChain

kg lbs

Weight
13.00 (28.65)

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

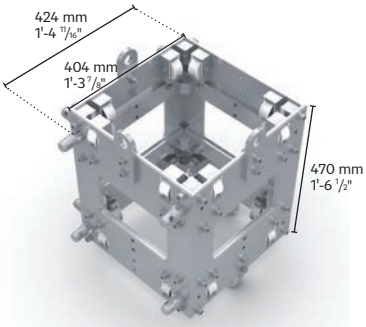


MT1-02B|HeadSection|LTG

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

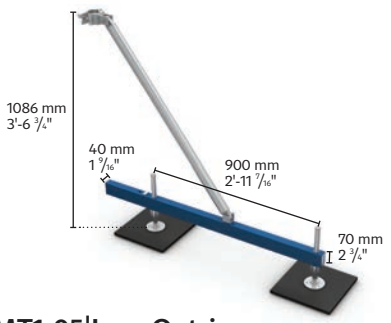


MT1-04|ShortOutrigger

kg lbs

Weight
5.00 (11.02)

Short outrigger
Including adjustable spindles, rubber pads

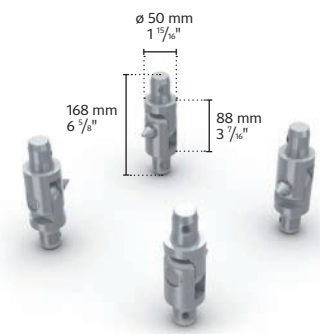


MT1-05|LongOutrigger

kg lbs

Weight
16.00 (35.23)

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

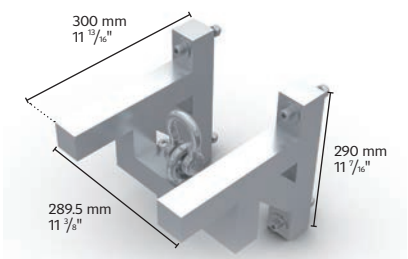


MT1-07B|Hinges|4pcs

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



MT1-10|FixSet|wire+2xSh2t

kg lbs

Weight
3.00 (6.61)

Safety wire
Used over MT1 mast top to secure the sleeve block; protected with clear pvc

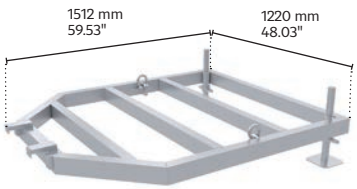


MT1-11|HandChainHoist+Bag

kg lbs

Weight
25.00 (55.05)

Manual chain hoist
Uses 10m chain, including chain bag, SWL 1t

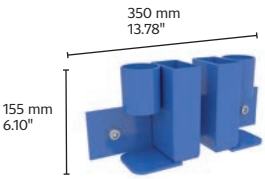


MT1-01|BallastBase

kg lbs

Weight
29.00 (64.00)

Designed to stack flat with smooth sides.
Integrated guy wire points.
Max. load: 2000 kg (4409 lbs)



MT1-OutriggerHolder|2pcs

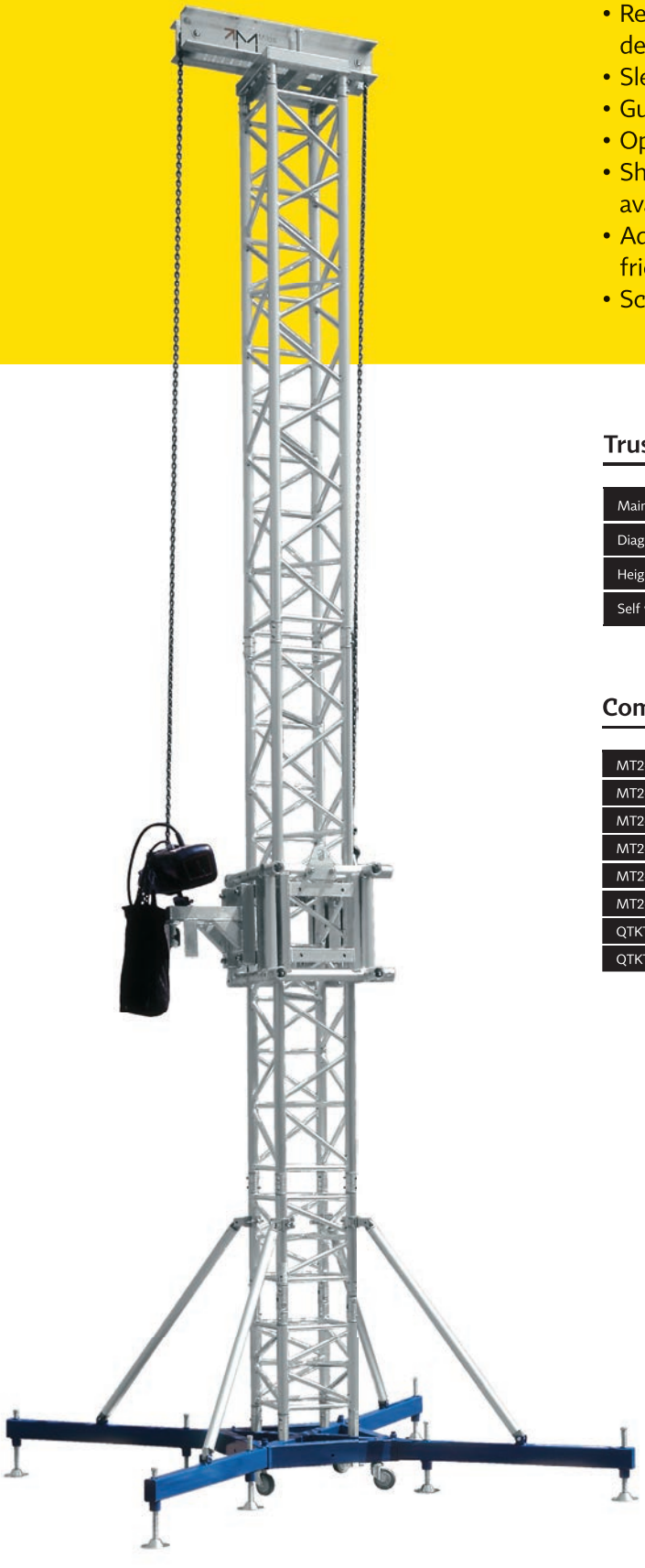
kg lbs

Weight
4.60 (20.00)

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

MT2 tower

- Heavy-duty M390KT ladder truss series tower system - 12.5 m (41.0 ft) max 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

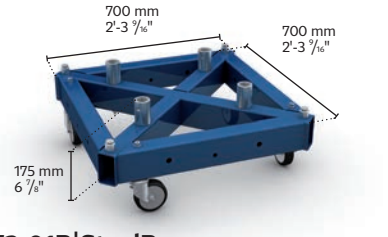


Truss series M390KT

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

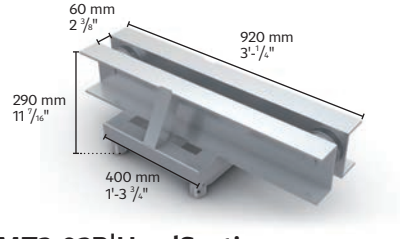


MT2-01B|SteelBase

kg lbs

Weight
42.00 (92.48)

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

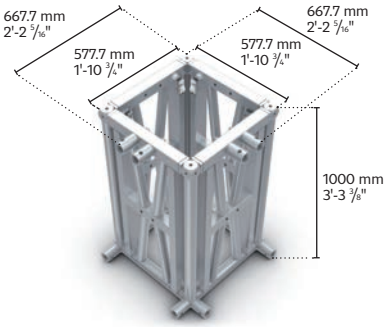


MT2-02B|HeadSection

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

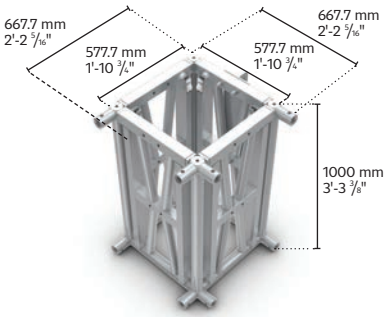


MT2-03|FTT|SleeveBlock

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

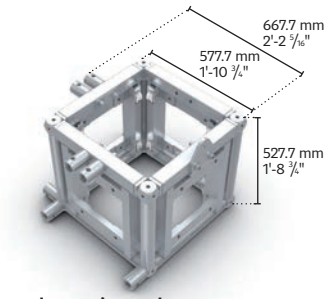


MT2-03|RTTH|SleeveBlock

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

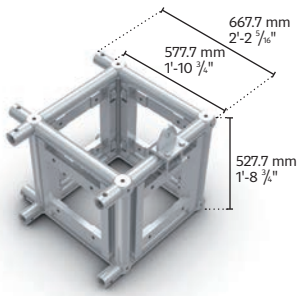


MT2-03|FTP/RTO|SleeveBlock

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

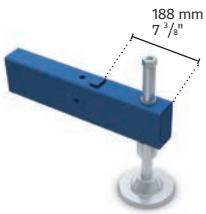


MT2-03|QTP/RTO|SleeveBlock

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

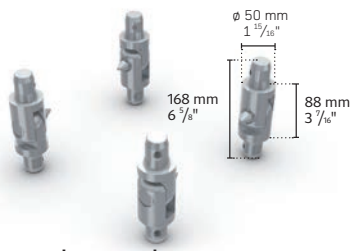


MT2-05|LongOutrigger

kg lbs

Weight
21.00 (46.24)

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

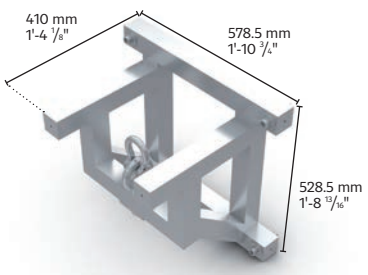


MT2-07B|Hinges|4pcs

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

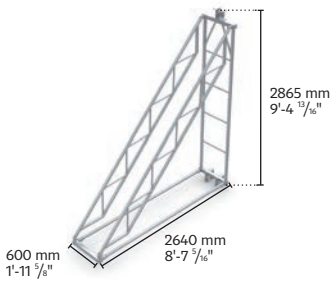


MT2-10|FixSet|wire+2xSh3.25t

kg lbs

Weight
4.00 (8.81)

Safety wire
Used over MT2 mast top to secure the sleeve block; protected with clear pvc



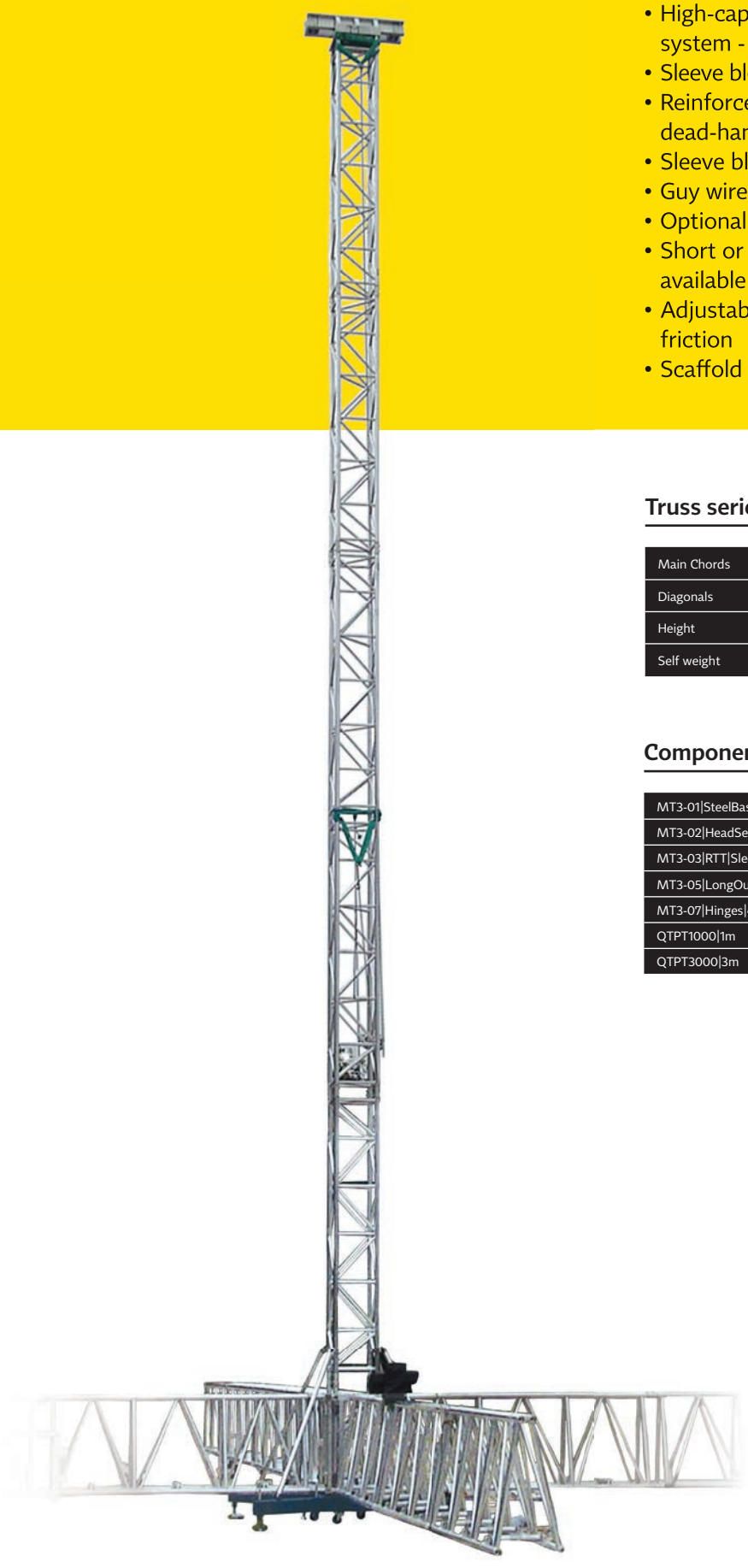
MT2-11|Helper

kg lbs

Weight
40.30 (88.74)

Used for assistance in elevating the tower

MT3 tower



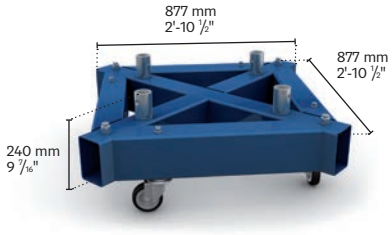
- High-capacity M520PT ladder truss series tower system - 13.5m (44.29 ft) max height
- Sleeve block options for M400 & M520 & M950 ranges
- Reinforced head section with built-in feature for dead-hanging
- Sleeve block chain hoist connection bracket available
- Guy wire connection points via extra bolt-on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

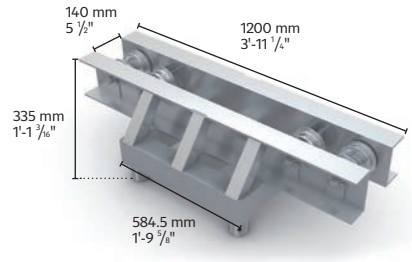
MT3-01|SteelBase	1 piece
MT3-02|HeadSection	1 piece
MT3-03|RTT|SleeveBlock	1 piece
MT3-05|LongOutrigger	4 pieces
MT3-07|Hinges|4pcs	1 set
QTPT1000|1m	1 piece
QTPT3000|3m	4 pieces



MT3-01|SteelBase

kg	lbs	Weight
		76.00 (167.35)

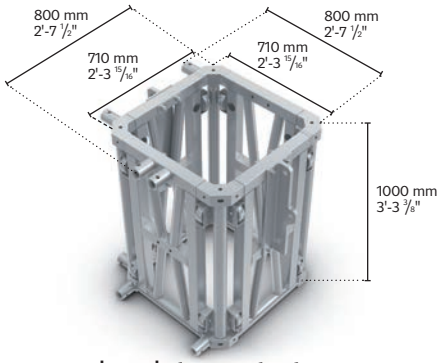
Steel base
For use with M520T QUATRO
Equipped with wheels for easy movement during setup.



MT3-02|HeadSection

kg	lbs	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

kg	lbs	Weight
		112.00 (246.62)

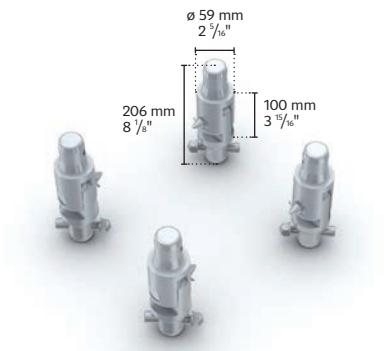
Sleeve Block FTT
Made with heavy-duty aluminium profiles connected with steel components
For use with M950 full range



MT3-05|LongOutrigger

kg	lbs	Weight
		35.10 (77.29)

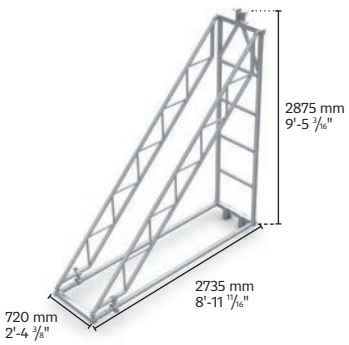
Long outrigger
1.4m (4.59′) long, including scaffold type spindles



MT3-07|Hinges|4pcs

kg	lbs	Weight
		5.00 (11.02)

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



MT3-11|Helper

kg	lbs	Weight
		81.00 (178.52)

Used for assistance in elevating the tower



MT3-10|FixSet

kg	lbs	Weight
		10.00 (22.20)

Used over MT3 mast top to secure the sleeve block

MT-PA5030 PA Fly Tower

- Compact, heavy-duty M290 truss series
- 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

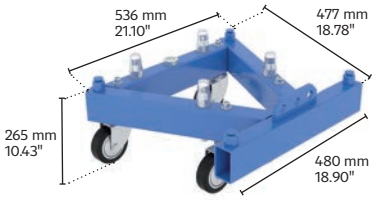
Main Chords	mm / in	**48x3 (1.89x0.12)**
Diagonals	mm / in	**16x2 (0.62x0.08)**
Height	m / ft	5 (16.4)
Self weight	kg / lbs	150 (331)
SWL	kg / lbs	300 (660)
Footprint	m / ft	2.5x2 (8.2x6.6)
Ballast required	kg / lbs	50 (110)

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

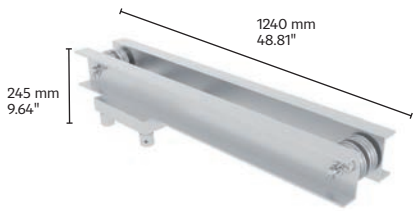


MT-PA5030-01|SteelBase

kg lbs

Weight
16.9 (37.3)

Steel base with wheels

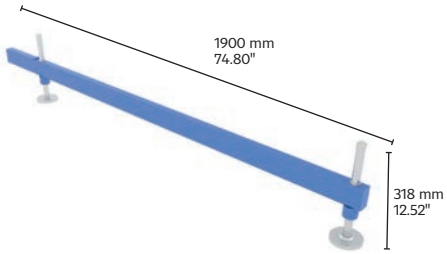


MT-PA5030-02|HeadSection

kg lbs

Weight
23.5 (51.8)

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

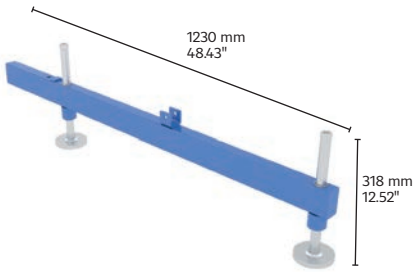


MT-PA5030|Leg

kg lbs

Weight
18.4 (40.6)

Including adjustable spindles

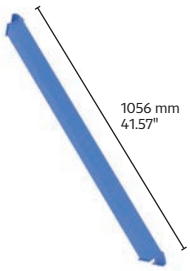


MT-PA5030-05|LongOutrigger

kg lbs

Weight
12.3 (27.1)

Including adjustable spindles

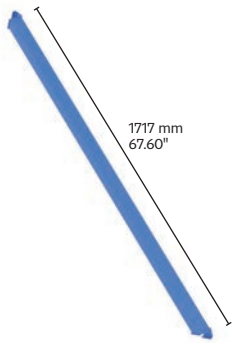


MT-PA5030|SpacerColor960

kg lbs

Weight
6.3 (13.9)

Spacer used as ballast base

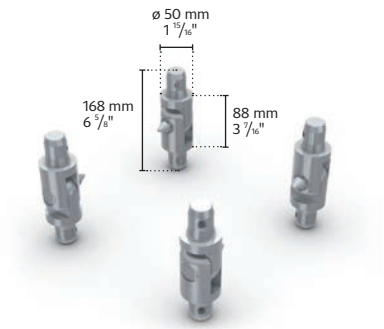


MT-PA5030|SpacerColor1620

kg lbs

Weight
10.4 (22.9)

Spacer used as ballast base



MT1-07B|Hinges|4pcs

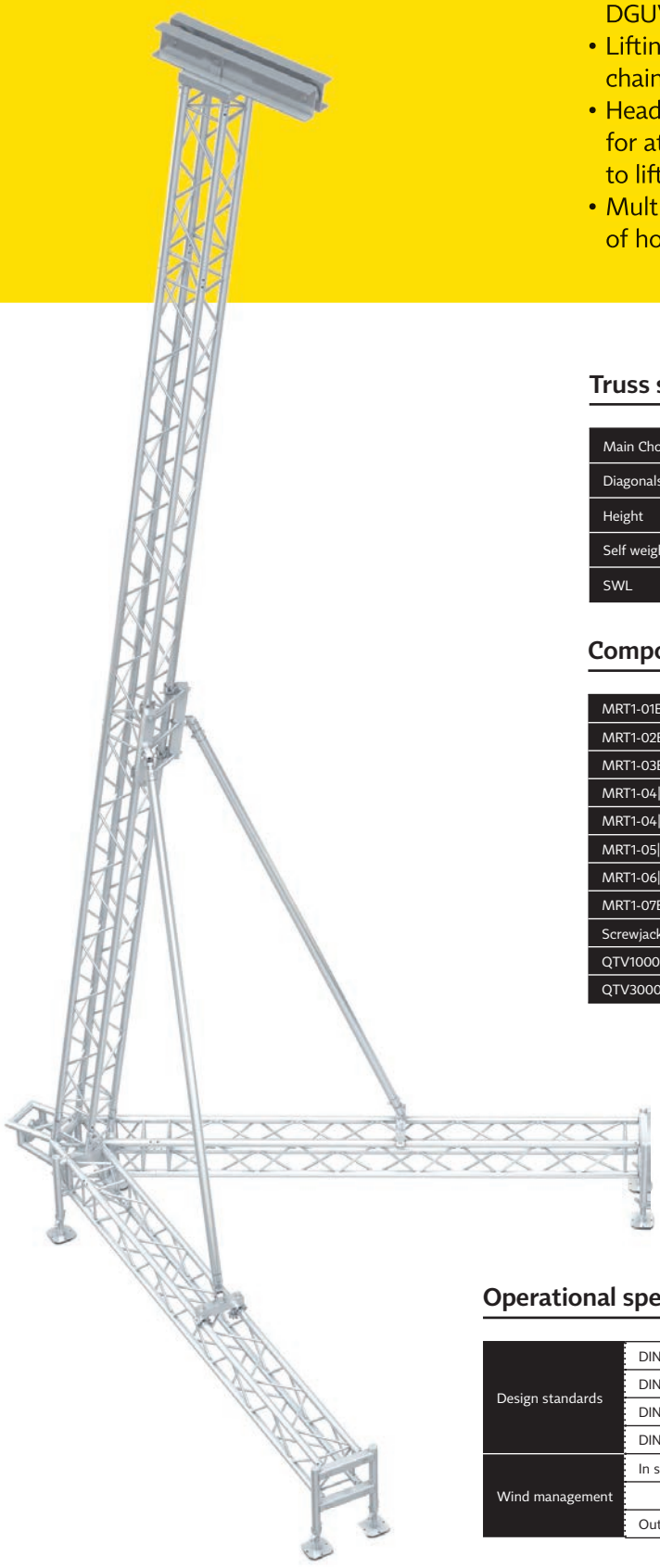
kg lbs

Weight
2.40 (5.28)

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

MRT1 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

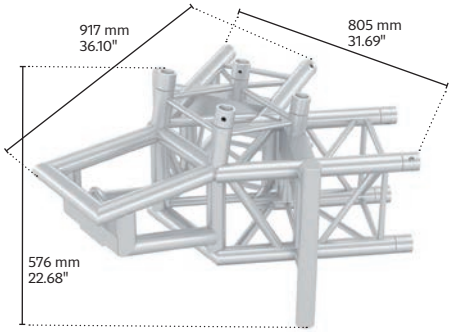
Main Chords	mm / in	**48x3 (1.89x0.12)**
Diagonals	mm / in	**16x2 (0.62x0.08)**
Height	m / ft	8 (26.3)
Self weight	kg / lbs	178 (392)
SWL	kg / lbs	750 (1653)

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

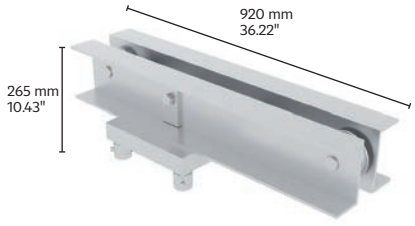
Design standards	DIN EN 13814	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
Wind management	In service	17.8 m/s - 64 km/h - 40 mph (Max. 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)



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)

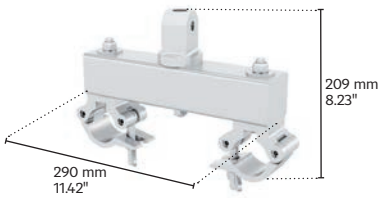
Fitted with steel pulleys for 7 - 8mm (0.28-0.31") chain



MRT1-03B|ScrewjackAdapter

kg	lbs	Weight
		6.5 (14.3)

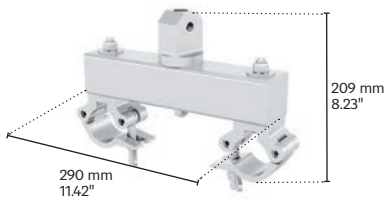
Adapter stand for screwjacks



MRT1-04|StabilizerHorizontalR

kg	lbs	Weight
		2.6 (5.7)

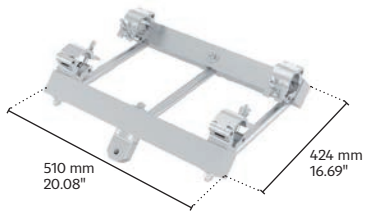
Stabiliser attachment horizontal Right



MRT1-04|StabilizerHorizontalL

kg	lbs	Weight
		2.6 (5.7)

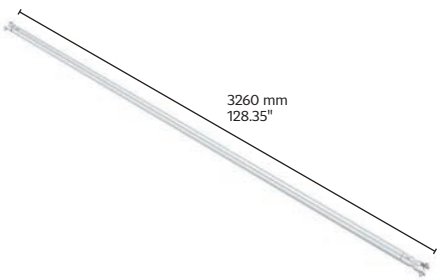
Stabiliser attachment horizontal Left



MRT1-05|StabilizerVertical

kg	lbs	Weight
		7.5 (16.5)

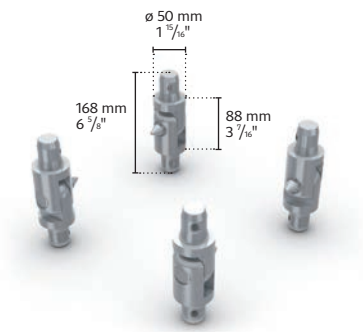
Stabiliser attachment vertical



MRT1-06|StabilizerTube

kg	lbs	Weight
		10.8 (23.8)

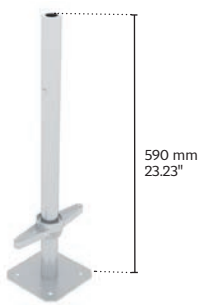
Stabiliser tube 60x6 mm



MRT1-07B|Hinges|4pcs

kg	lbs	Weight
		00.0 (00.00)

xxx



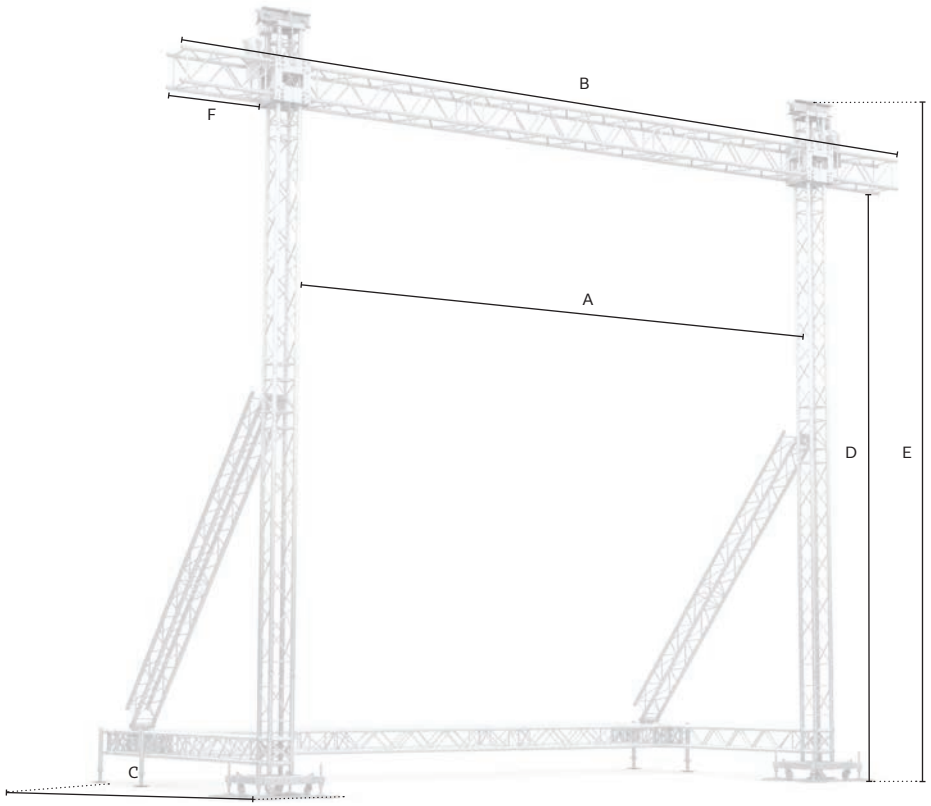
ScrewjackTR38x1-590

kg	lbs	Weight
		3.2 (7)

Screwjack

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

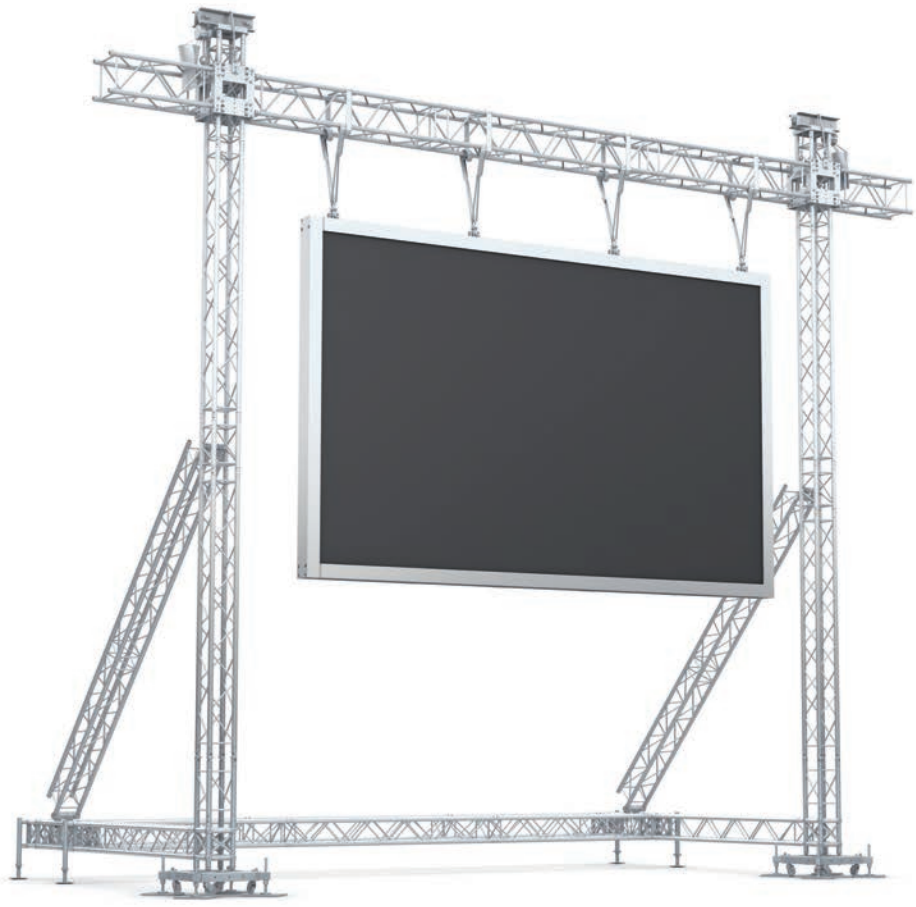


Technical specifications

		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	6x point loads equally divided	**250 kg** 551 lbs
		Max. total load	**1500 kg** 3306 lbs
	PA wing	Point load	**250 kg** 551 lbs
	* See structural report for exact load positioning		



Operational Specifications

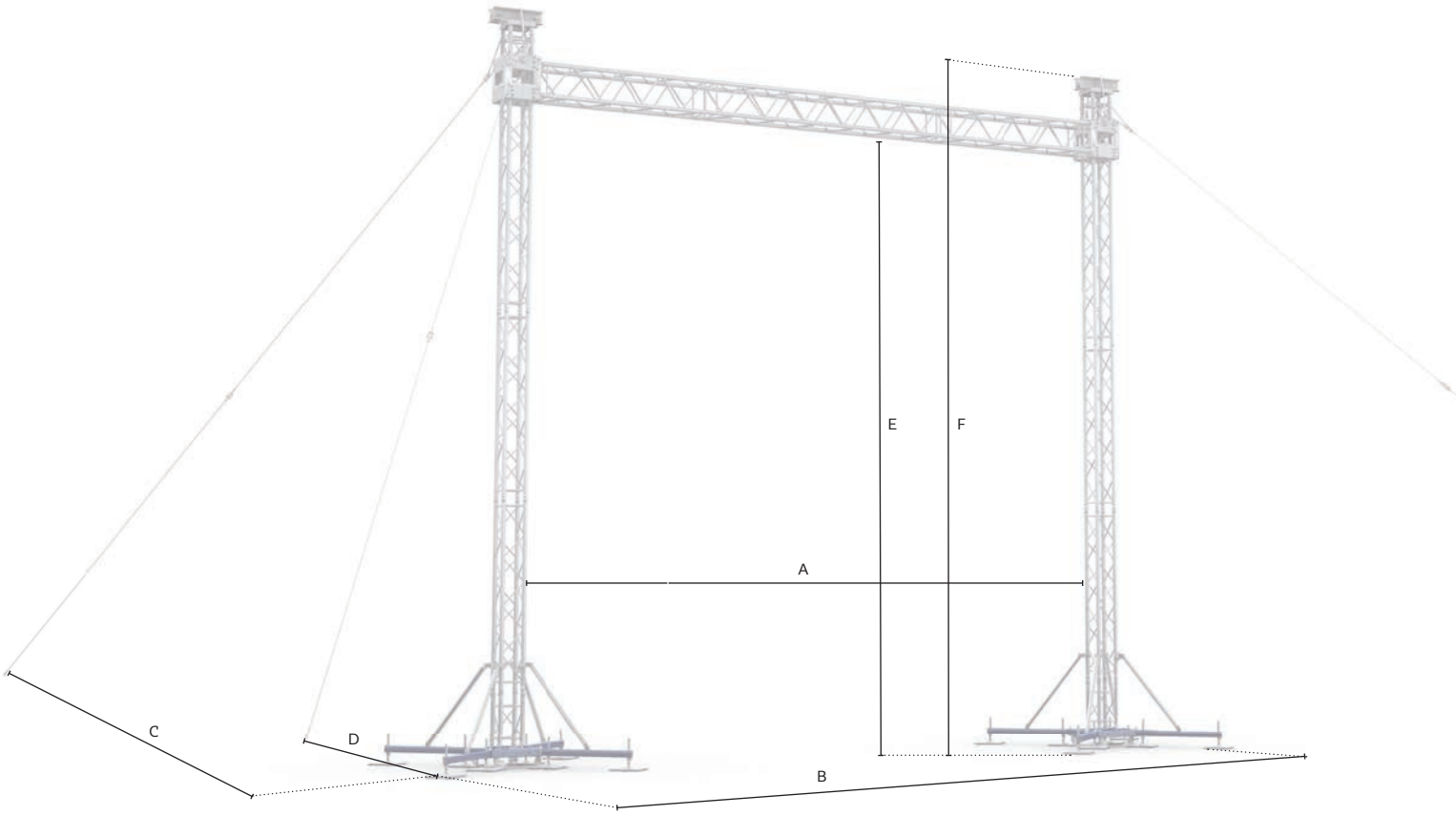
Design standards	DIN EN 13814 (2012)	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures / wind
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
	• All of our structures are produced under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

Transpoting 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
- Wide range of system options available to suit specific screen size & weight
- Self-climbing towers (MT1 / MT2 / MT3) with electric or manual hoists
- Fast connection for quick, simple and secure assembly
- Guy wire connection points for additional stabilisation
- Cheapest LSG concept available

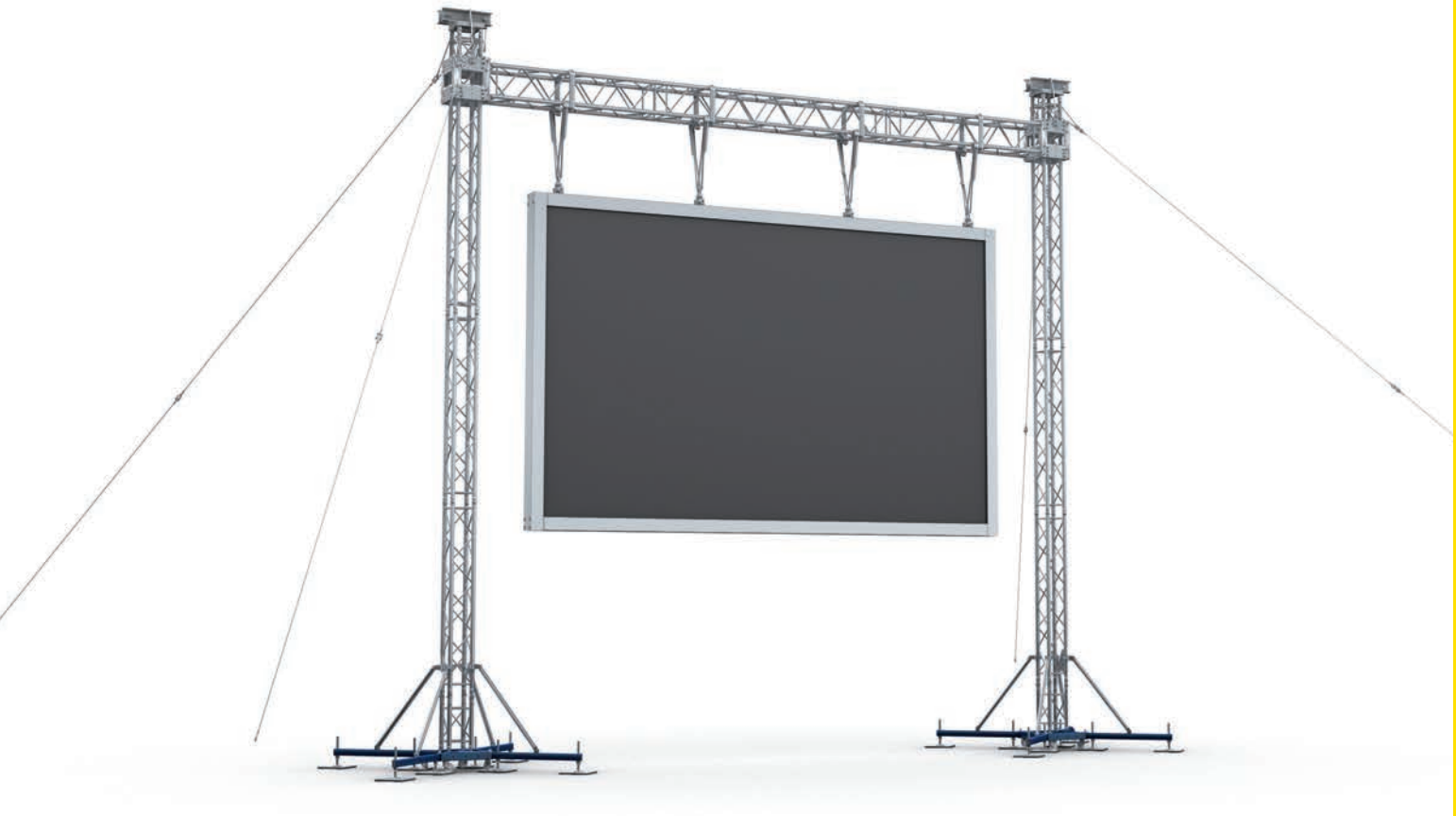


Technical specifications

		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 ›	**6x4 m** (19.70x13.10 ft)	**6.4x4.5 m** (21.00x14.76 ft)	**6x4 m** (19.70x13.10 ft)
Loading capacity	LED Screen	4x point loads equally divided	**550** (1212)	**625** (1377)	**250** (551)
		Max. total load	**1700** (3747)	**2500** (5511)	**1000** (2205)
	* See structural report for exact load positioning				



Operational Specifications

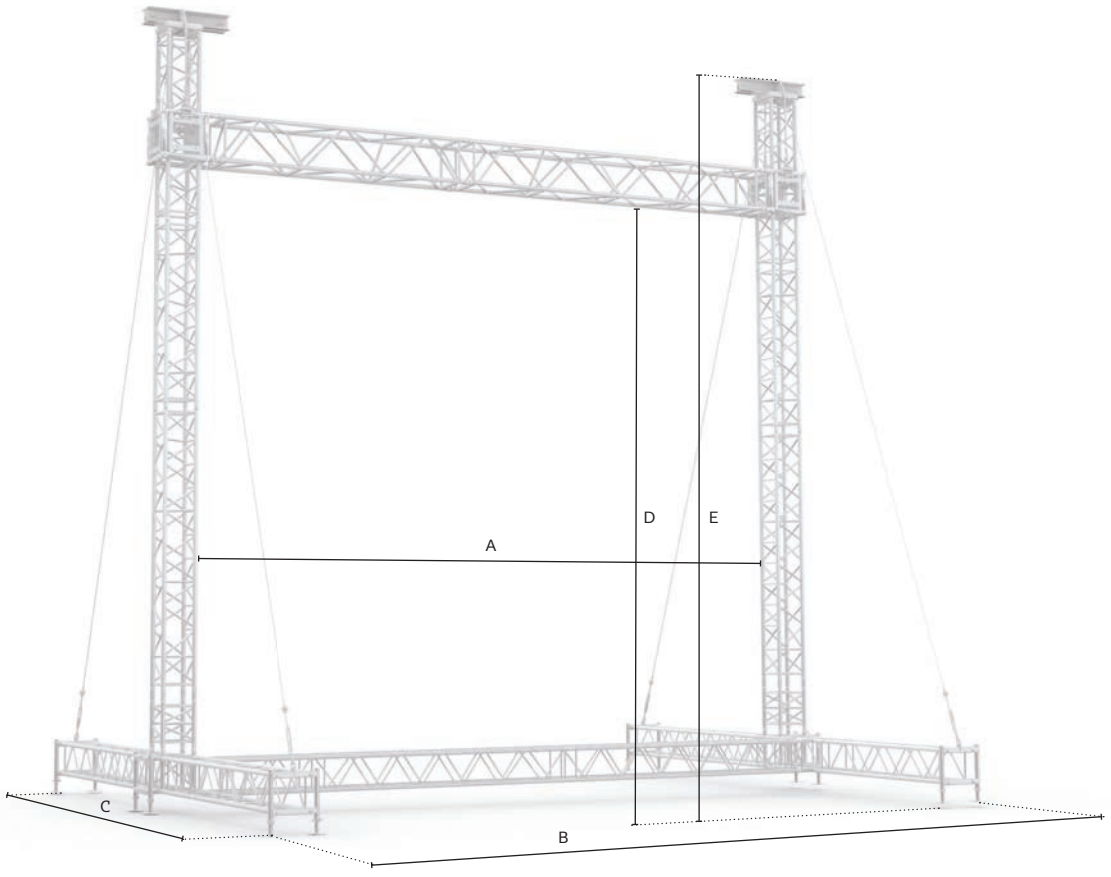
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary 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	

Transpoting 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 (MT1 / MT2 / MT3) 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

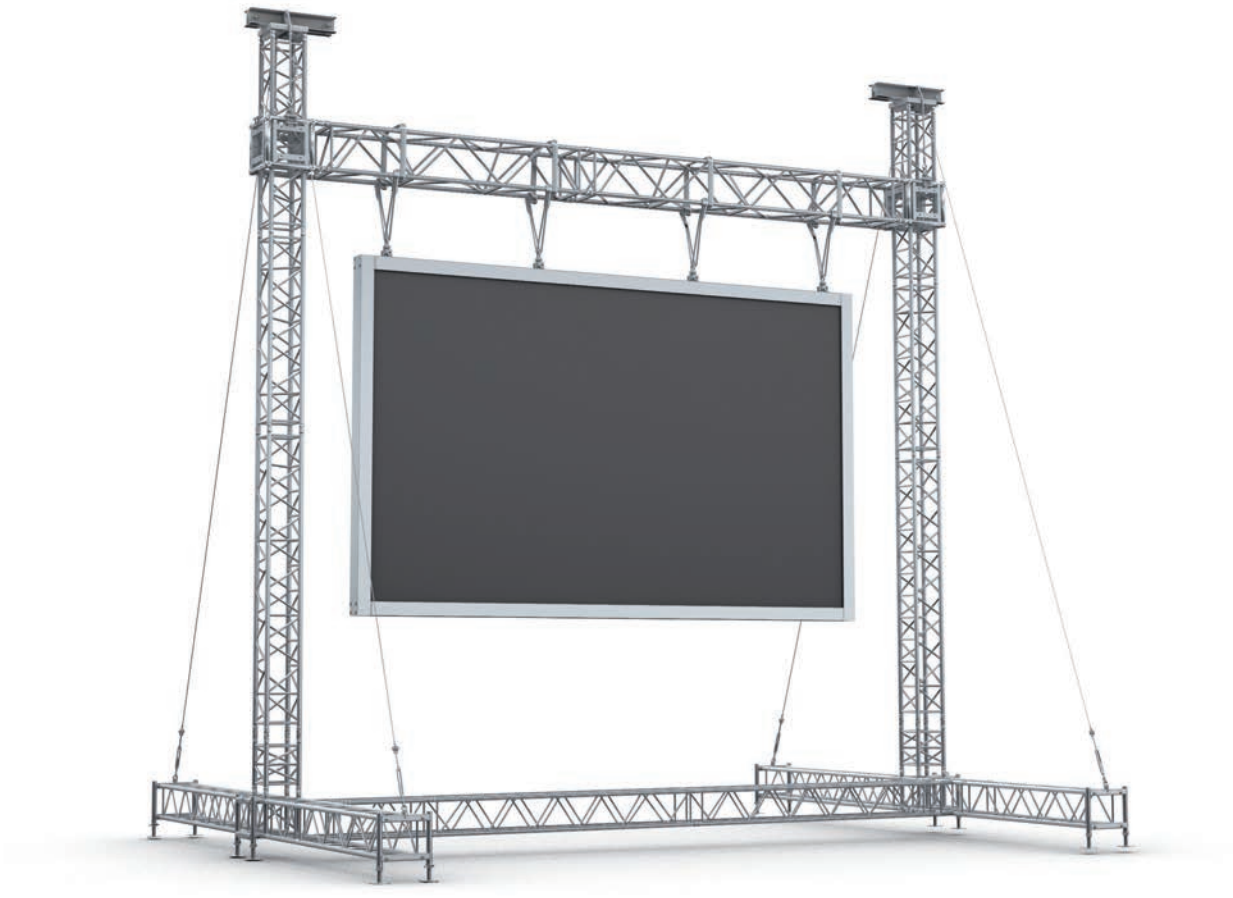


Technical specifications

		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

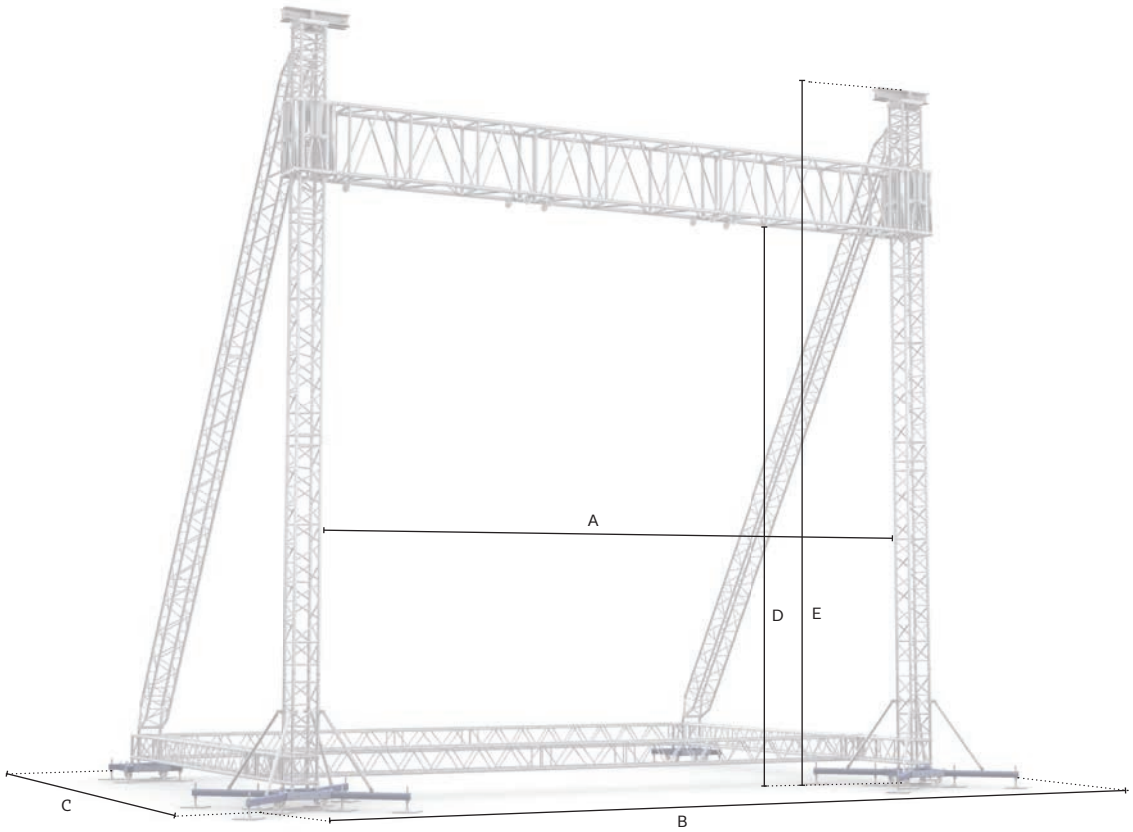
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary 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	4x 1700kg / 3744lbs 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	

Transpoting 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 (MT1 / MT2 / MT3) with electric or manual hoists
- Rear base frame & diagonal stabiliser to provide obstruction-free viewing

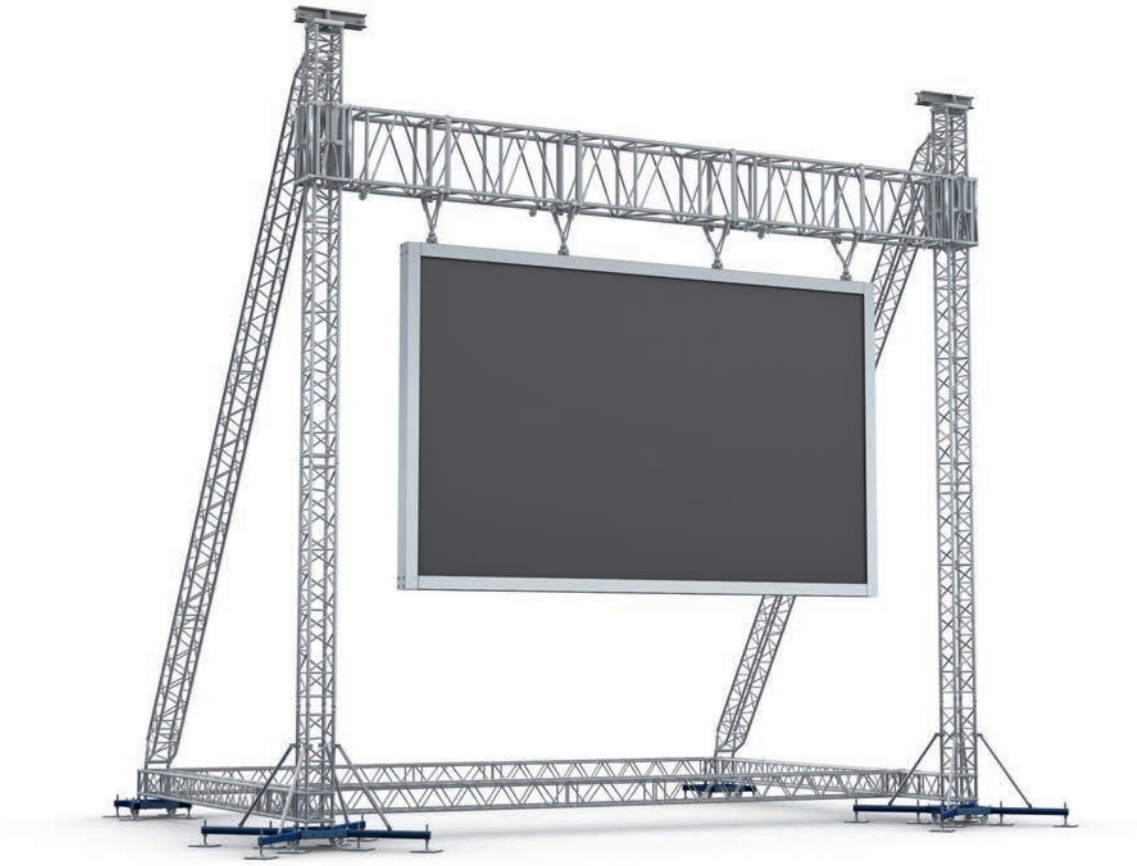


Technical specifications

		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	**800 kg** (1764 lbs)	**1000 kg** (2203 lbs)
		Max. total load	**3200 kg** (7056 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 1400kg / 3808lbs 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	

Transpoting 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)

Roofs

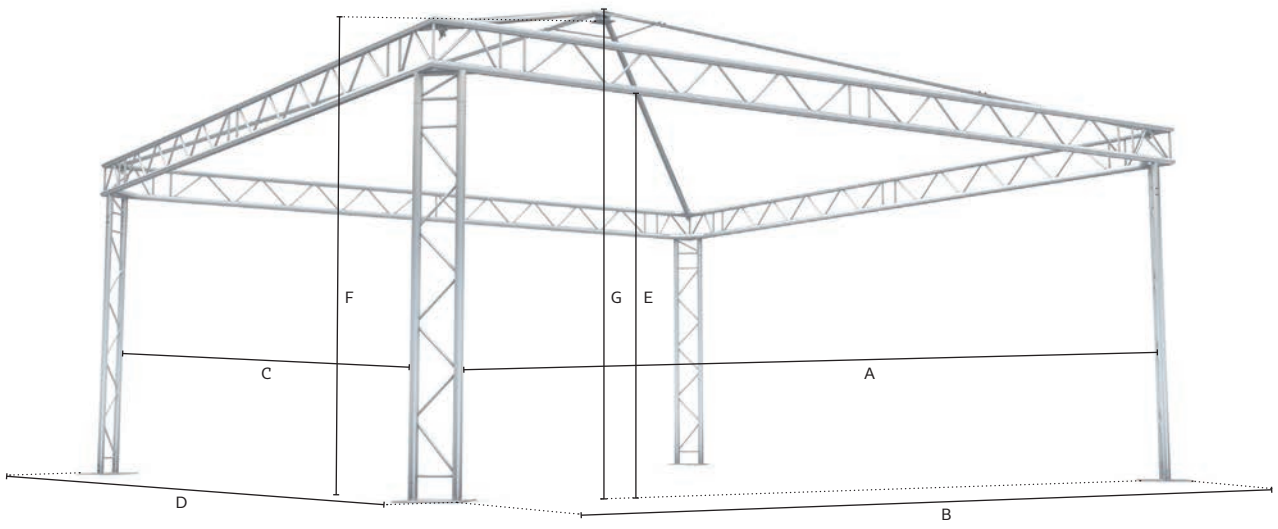
We've got you covered





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)	6x5 m	(19.7 x 16.4 ft)	5x5 m	(16.4 x 16.4 ft)
Dimensions	A	Internal width	5.56 m	(18.24 ft)	5.56 m	(18.24 ft)	4.56 m	(14.96 ft)
	B	Overall external width	6.20 m	(20.34 ft)	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)	4.56 m	(14.96 ft)
	D	Overall external depth	6.20 m	(20.34 ft)	5.20 m	(17.06 ft)	5.20 m	(17.06 ft)
	E	Side clearance	2.20 m	(7.22 ft)	2.20 m	(7.22 ft)	2.20 m	(7.22 ft)
	F	Middle clearance	3.53 m	(11.58 ft)	3.43 m	(11.25 ft)	3.34 m	(10.83 ft)
	G	Overall height	3.64 m	(11.94 ft)	3.55 m	(11.65 ft)	3.45 m	(11.32 ft)

Loading capacity

		Stage size ›	6x6 m	(19.7 x 19.7 ft)	6x5 m	(19.7 x 16.4 ft)	5x5 m	(16.4 x 16.4 ft)
Loading capacity	Main grid	Each corner (x5)	**100 Kg**	(220 lbs)	**100 Kg**	(220 lbs)	**100 Kg**	(220 lbs)
	* See structural report for exact load positioning							



Operational Specifications

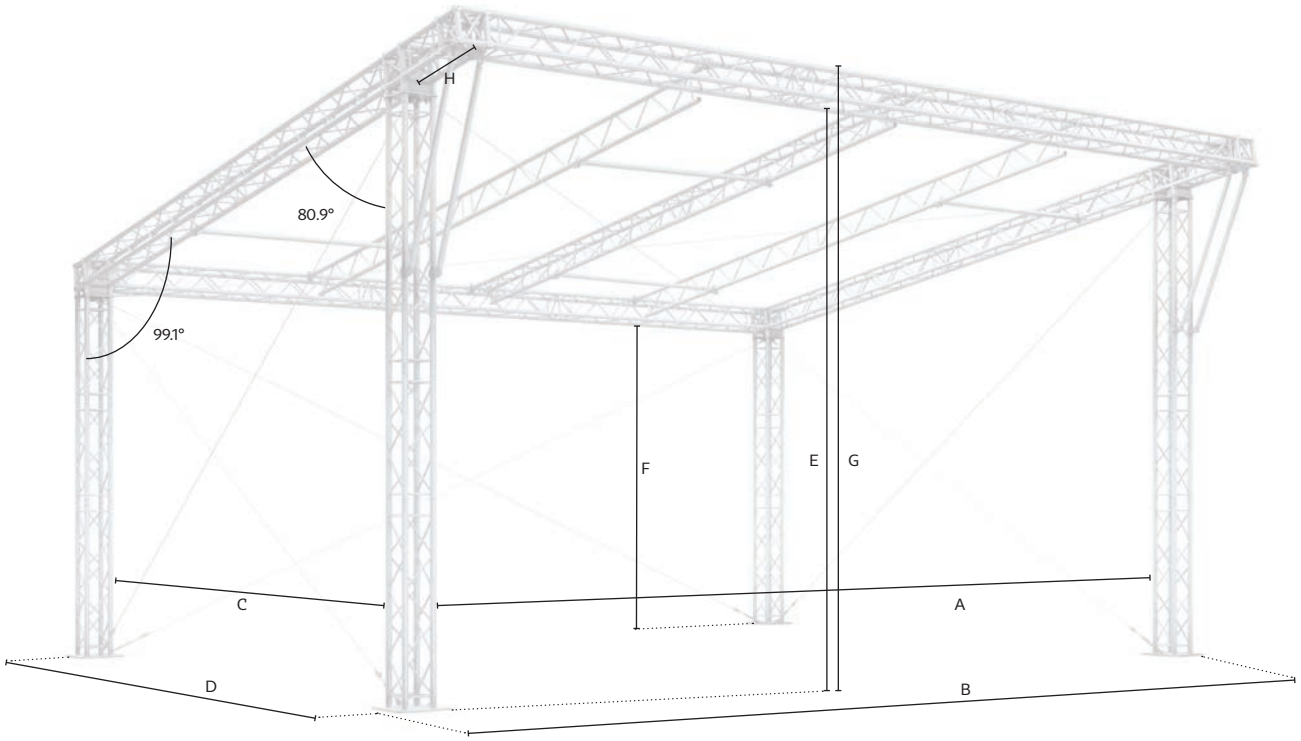
Design standards	DIN 1055-4	Actions on structures / wind
	DIN 4112	Temporary structures
	DIN 4113	Aluminium constructions
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	In service	14m/s - 52km/h - 32.3 mph (Max. gust wind speed)
	No side wall canopies are allowed for the data provided	
Ballast	This can vary from 115kg / 254lbs up to 163kg / 359lbs per column and depends on: • friction material used between screw jacks, padding and sub soil	
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)	**6x5 m**	(19.7 x 16.4 ft)	**5x5 m**	(16.4 x 16.4 ft)
Self-weight	* Exact self-weight depends on configuration	**170 kg**	(374 lbs)	**158 kg**	(348 lbs)	**149 kg**	(328 lbs)
Transport volume	* Packed in carton boxes and bubble foil	**5.00 m³**	(176 ft³)	**4.50 m³**	(159 ft³)	**4.00 m³**	(141 ft³)

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

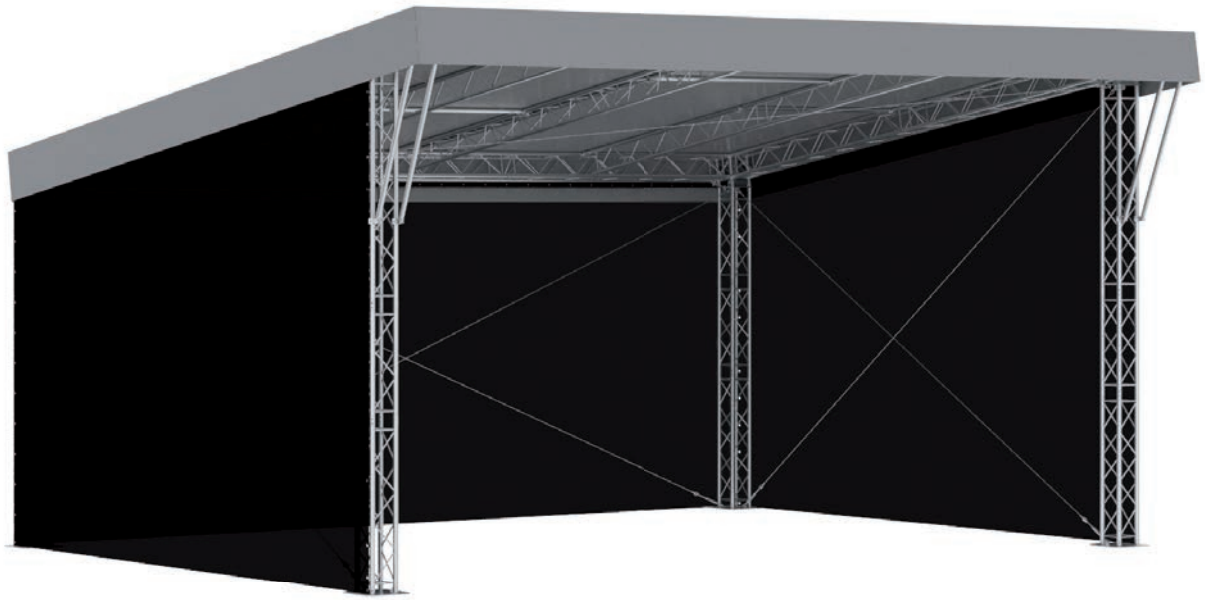


Technical specifications

		Stage size ›	**8x6 m**	(26.25x19.70 ft)
Dimensions	A	Internal width	8.50 m	(27.89 ft)
	B	Overall external width	9.24 m	(30.31 ft)
	C	Internal depth	6.50 m	(21.33 ft)
	D	Overall external depth	7.29 m	(23.92 ft)
	E	Front clearance	4.74 m	(15.55 ft)
	F	Back clearance	3.62 m	(11.88 ft)
	G	Overall height	5.08 m	(16.67 ft)
	H	Cantilever depth	0.80 m	(2.62 ft)

Loading capacity

		Stage size ›	**8x6 m**	(26.25x19.70 ft)
Loading capacity	Back & side truss	Uniformly distributed (UDL)	**30kg/m**	(20lbs/ft)
	Middle truss	Uniformly distributed (UDL)	**10 kg/m**	(6 lbs/ft)
	Cantilever truss	Uniformly distributed (UDL)	**20 kg**	(14 lbs/ft)
	PA load	Point load each cantilever corner	**100 kg**	(220 lbs)
	* See structural report for exact load positioning			



Operational Specifications

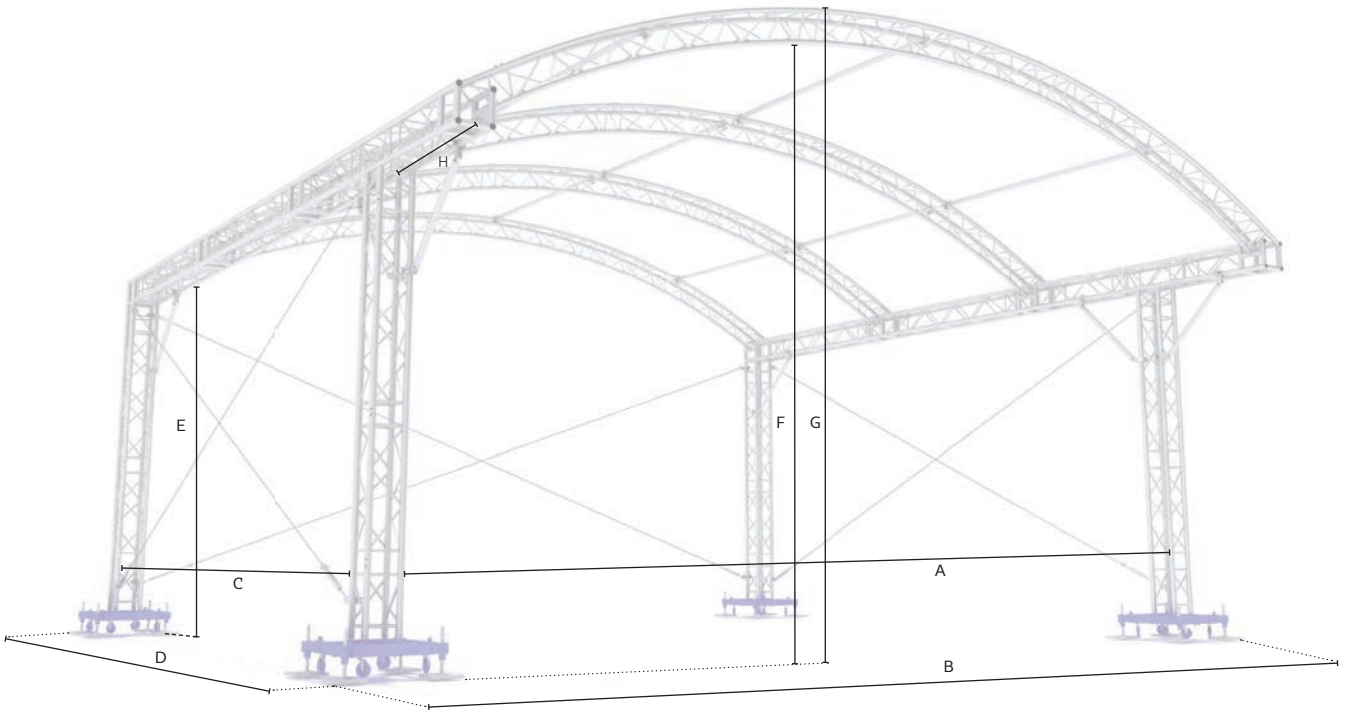
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
	• All of our structures are produced under EN 1090 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)
	* 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	This can vary per tower from 450kg / 992lbs up to 2700kg / 5947lbs and depends on:	
	• If tower bases are interconnected or free standing	
	• Layout of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
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)		
Self-weight	* Exact self-weight depends on configuration	**600 kg**	(1322 lbs)		
Transport volume	* Packed in carton boxes and bubble foil	**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

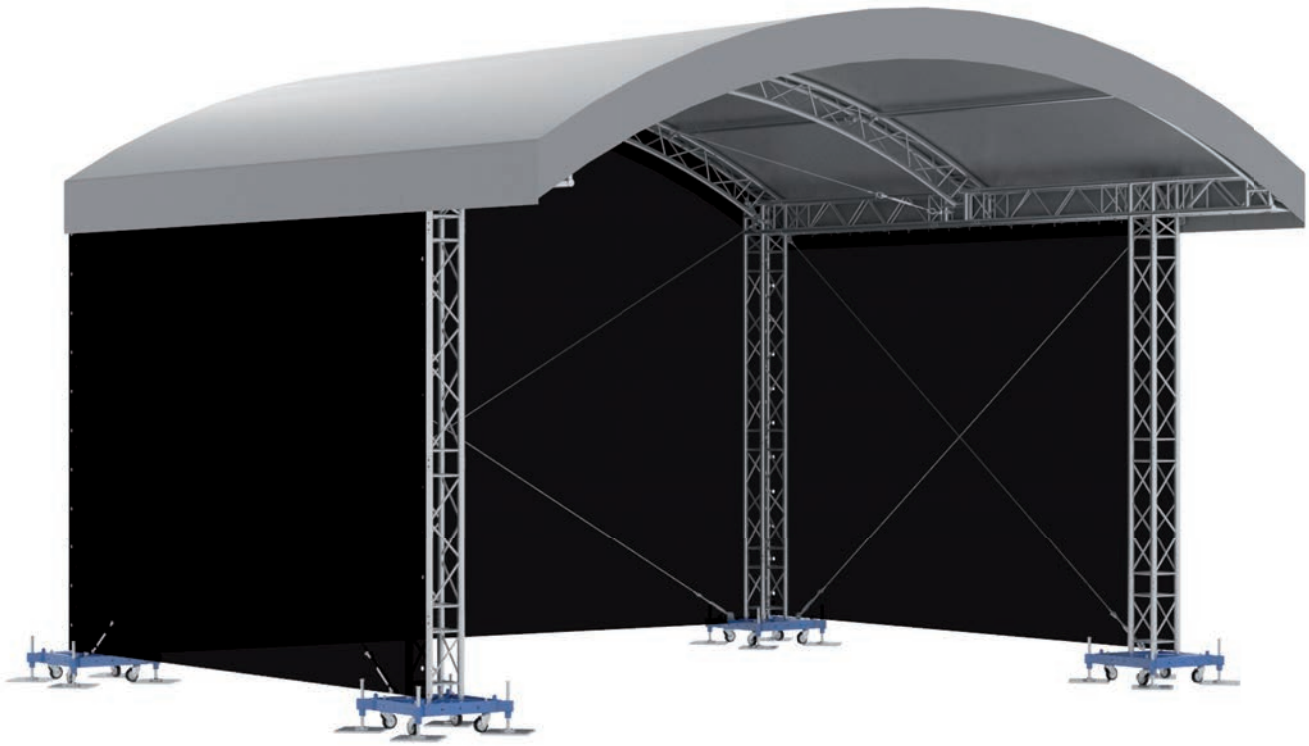


Technical specifications

		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	Arches	Uniformly distributed (UDL)	**15 kg/m**	(10 lbs/ft)	**15 kg/m**	(10 lbs/ft)	
	Side truss	Uniformly distributed (UDL)	**20 kg/m**	(13 lbs/ft)	**20 kg/m**	(13 lbs/ft)	
	PA load	2x Point load at cantilever	**250 kg**	(551 lbs)	**250 kg**	(551 lbs)	
	* See structural report for exact load positioning						



Operational Specifications

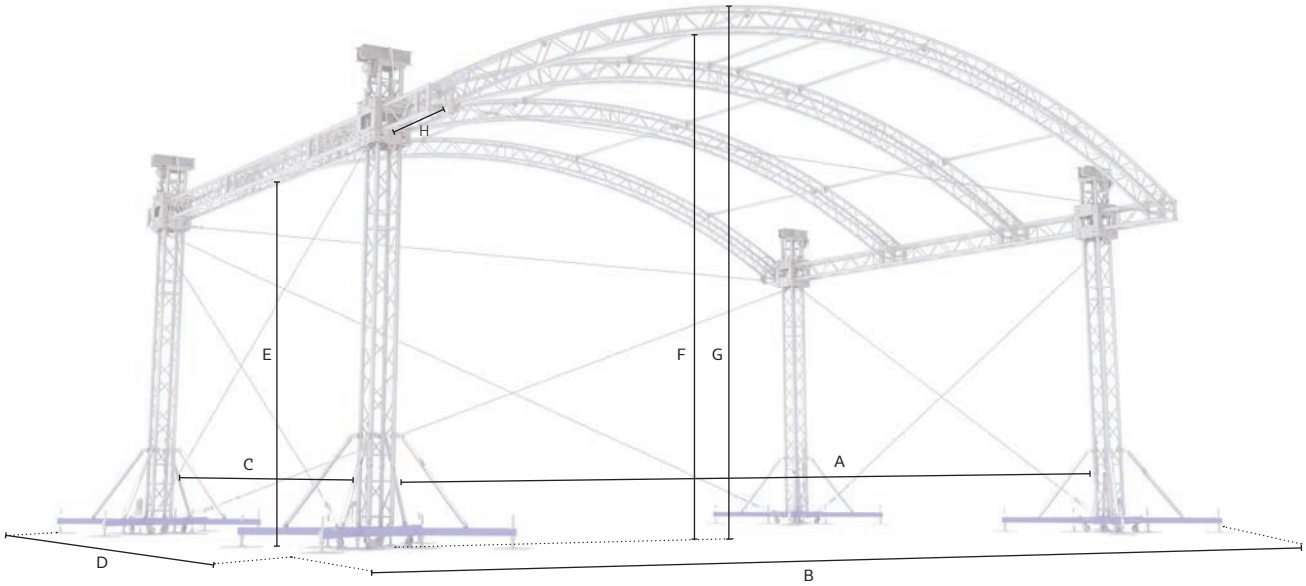
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
	• All of our structures are produced under EN 1090 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)
	* 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	This can vary per tower from 350kg / 771lbs up to 2400kg / 5286lbs and depends on:	
	• If tower bases are interconnected or free standing	
	• Layout of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
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

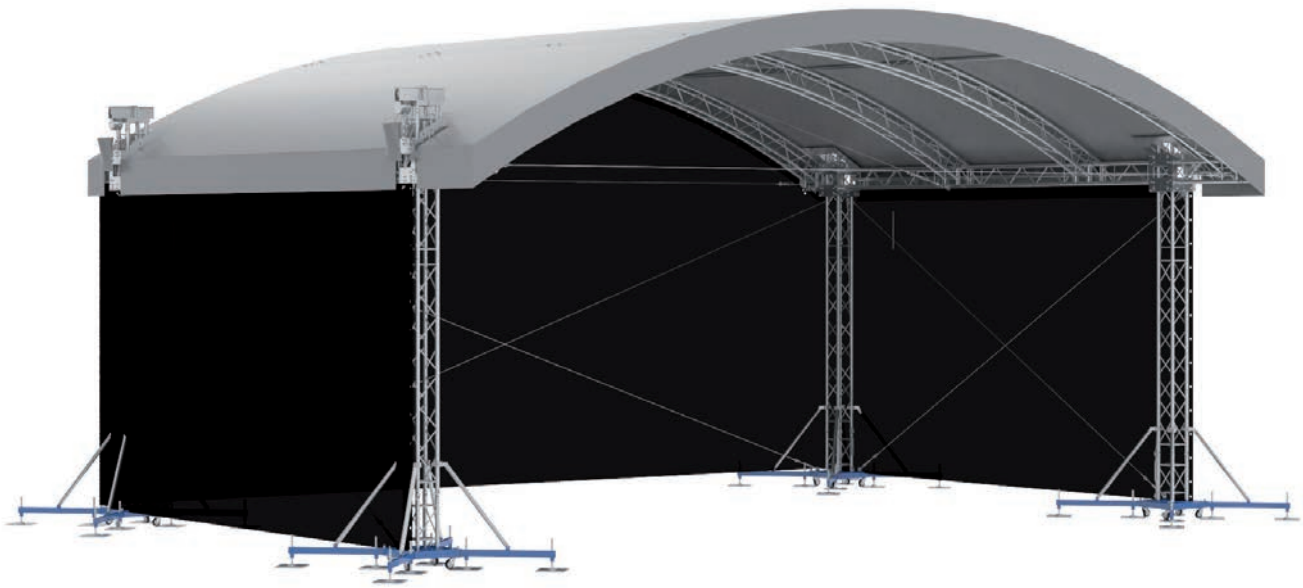


Technical specifications

		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

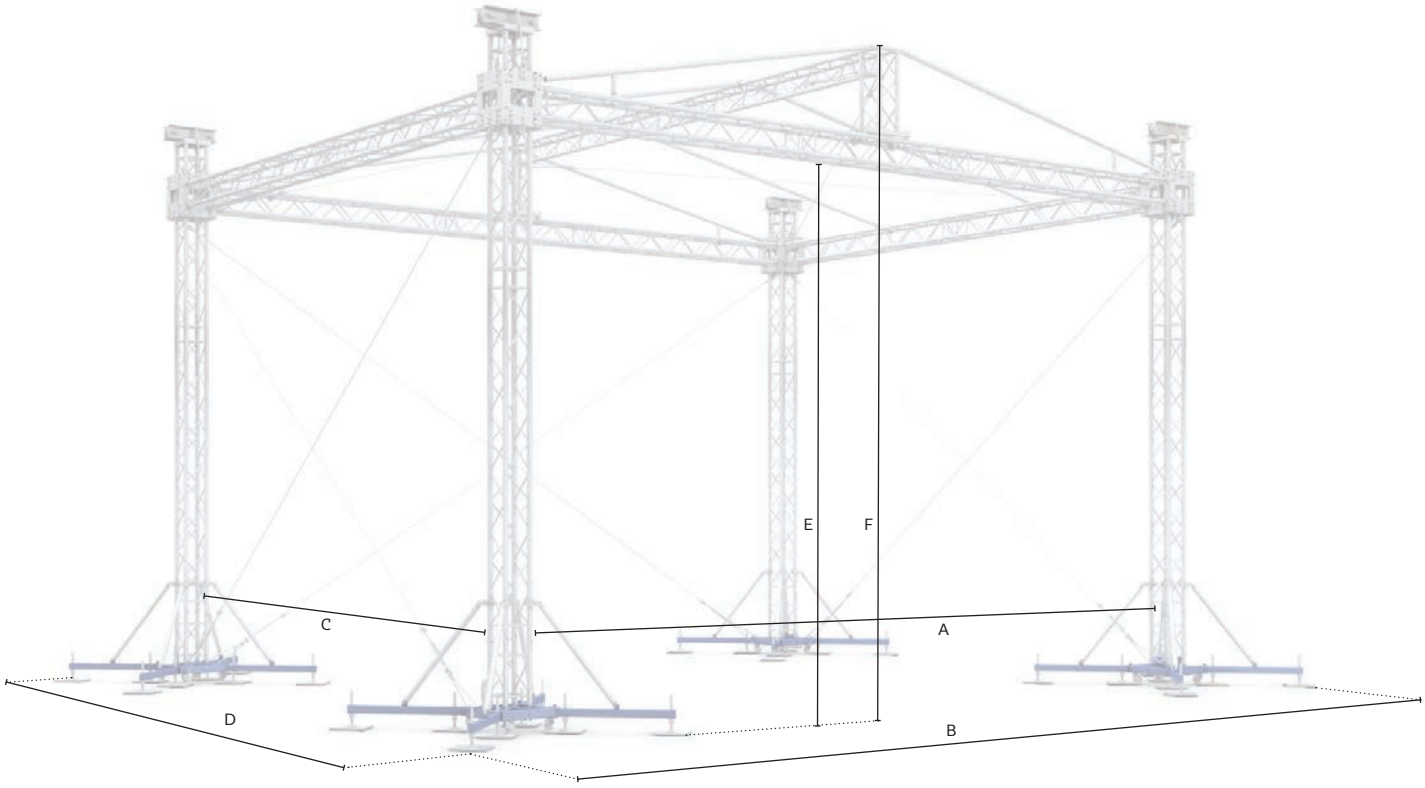
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
	• All of our structures are produced under EN 1090 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)
	* 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	This can vary per tower from 1300kg / 2863lbs up to 3082kg / 6789lbs and depends on:	
	• If tower bases are interconnected or free standing	
	• Layout of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
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)

MR2L saddle roofs

- Lightweight Saddle Roof set-up for temporary events
- MT1 Towers with M390 roof and lightweight canopy support structure
- 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

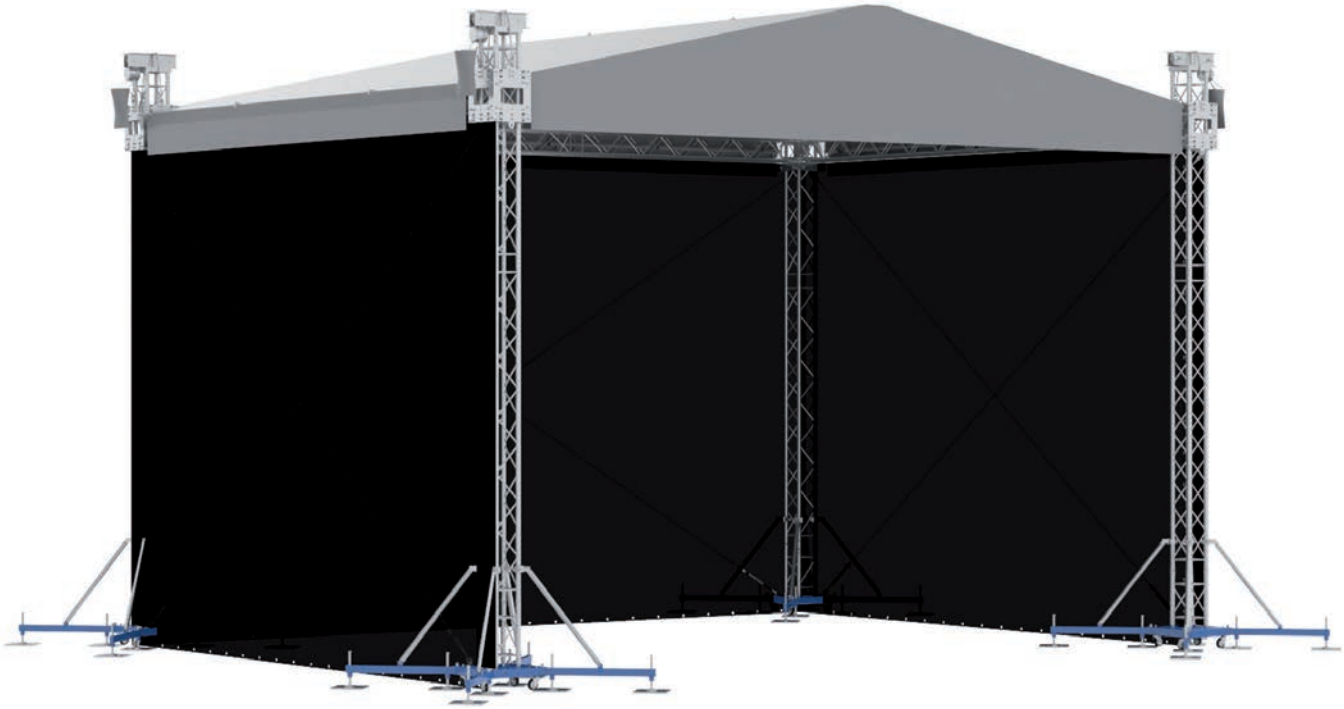


Technical specifications

		Stage size ›	**8x6 m**	(26.25x19.70 ft)		
Dimensions	A	Internal width	**8.15 m**	(26.74 ft)		
	B	Overall external width	**10.48 m**	(34.38 ft)		
	C	Internal Depth	**6.16 m**	(20.20 ft)		
	D	Overall external depth	**8.49 m**	(27.85 ft)		
	E	Clearance	**5.15 m**	(16.90 ft)		
	F	Overall height	**6.31 m**	(20.70 ft)		

Loading capacity

		Stage size ›	**8x6 m**	(26.25x19.70 ft)		
Loading capacity	Main spans	Uniformly distributed (UDL)	**20 kg/m**	(15 lbs/ft)		
	Side truss	Uniformly distributed (UDL)	**30 kg/m**	(21 lbs/ft)		
	Cantilever	Point load (CPL)	**150 kg**	(330 lbs)	100cm truss cantilevered from sleeve-block	
	* See structural report for exact load positioning					



Operational Specifications

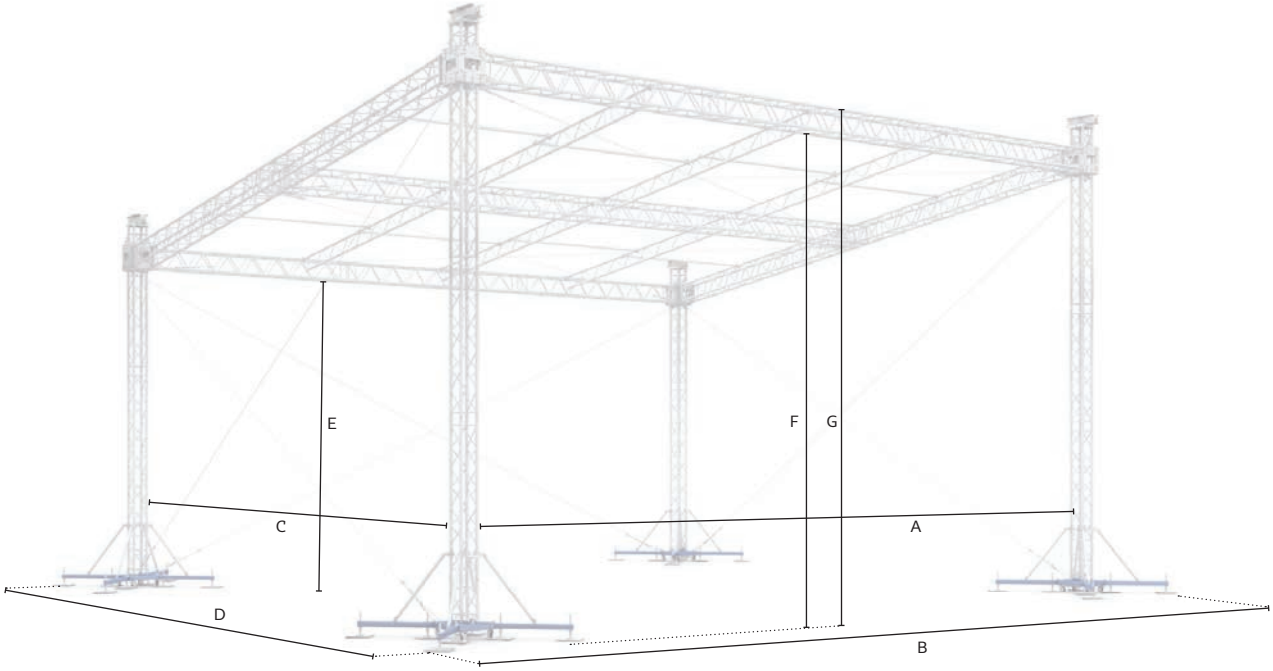
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	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	This can vary per tower from 1300kg / 2863lbs up to 6000kg / 13216lbs and depends on:	
	• If tower bases are interconnected or if free standing	
	• Layout of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
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)
Self-weight	* Exact self-weight depends on configuration	**1500 kg**	(4040 lbs)
Transport volume	* Packed in carton boxes and bubble foil	**15 m³**	(530 ft³)

MR2S sloping roofs

- Sloping MR2S Roof set-up for temporary events
- MT1 Towers with angled M390 roof structure and canopy support
- 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

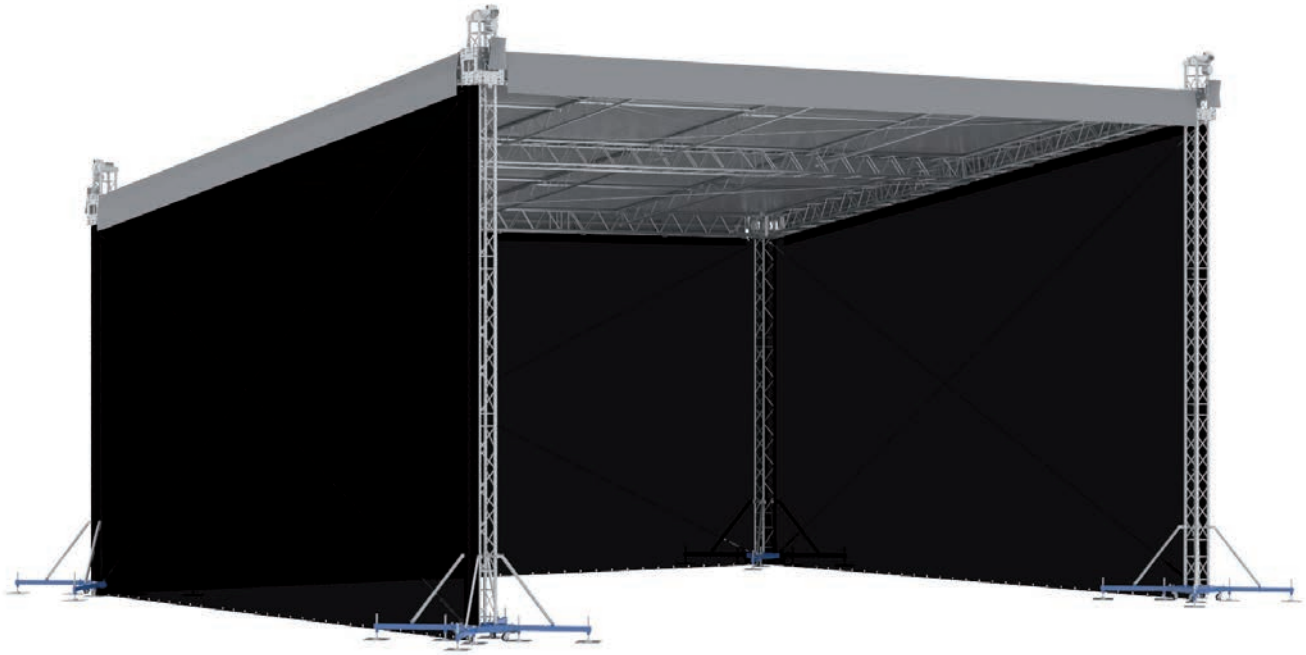


Technical specifications

		Stage size ›	**12x10 m**	(39.37x32.80 ft)		
Dimensions	A	Internal width	**12.15 m**	(39.86 ft)		
	B	Overall external width	**14.49 m**	(47.54 ft)		
	C	Internal depth	**10.36 m**	(33.99 ft)		
	D	Overall external depth	**12.69 m**	(41.63 ft)		
	E	Back clearance	**5.57 m**	18.27 ft)		
	F	Front clearance	**7.10 m**	23.29 ft)		
	G	Overall height	**8.08 m**	(26.51 ft)		

Loading capacity

		Stage size ›	**12x10 m**	(39.37x32.80 ft)		
Loading capacity	Back & side truss	Uniformly distributed (UDL)	**20 kg/m**	(13 lbs/ft)		
	Front & mid truss	Uniformly distributed (UDL)	**15 kg/m**	(10 lbs/ft)		
	PA load	2x point load 1m to inside front truss	**200 kg**	(441 lbs)		
	* See structural report for exact load positioning					



Operational Specifications

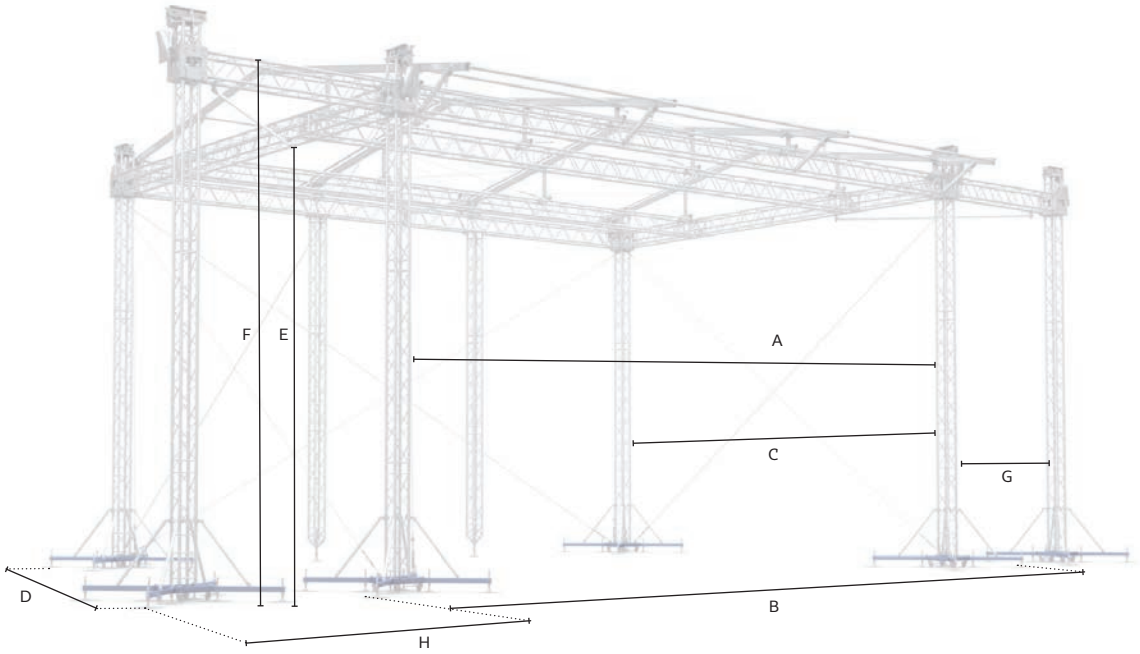
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	In service	17m/s - 61km/h - 38mph (Max. gust wind speed)
	* Calculations based on 7% min permeable side canopies	
	* Side canopies to be removed above this wind speed if not considered	
	Out of service	20m/s - 72km/h - 40mph (Max. gust wind speed)
Ballast	This can vary per tower from 1300kg / 2863lbs up to 6000kg / 13216lbs and depends on:	
	• If tower bases are interconnected or free standing	
	• Lay-out of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
Canopy & sidewalls	B1 fire retardant canopy on request, single piece format or in keders, configurable 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 ›	**12x10 m**	(39.37x32.80 ft)		
Self-weight	* Exact self-weight depends on configuration	**1600 kg**	(3524 lbs)		
Transport volume	* Packed in carton boxes and bubble foil	**25 m³**	(882 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



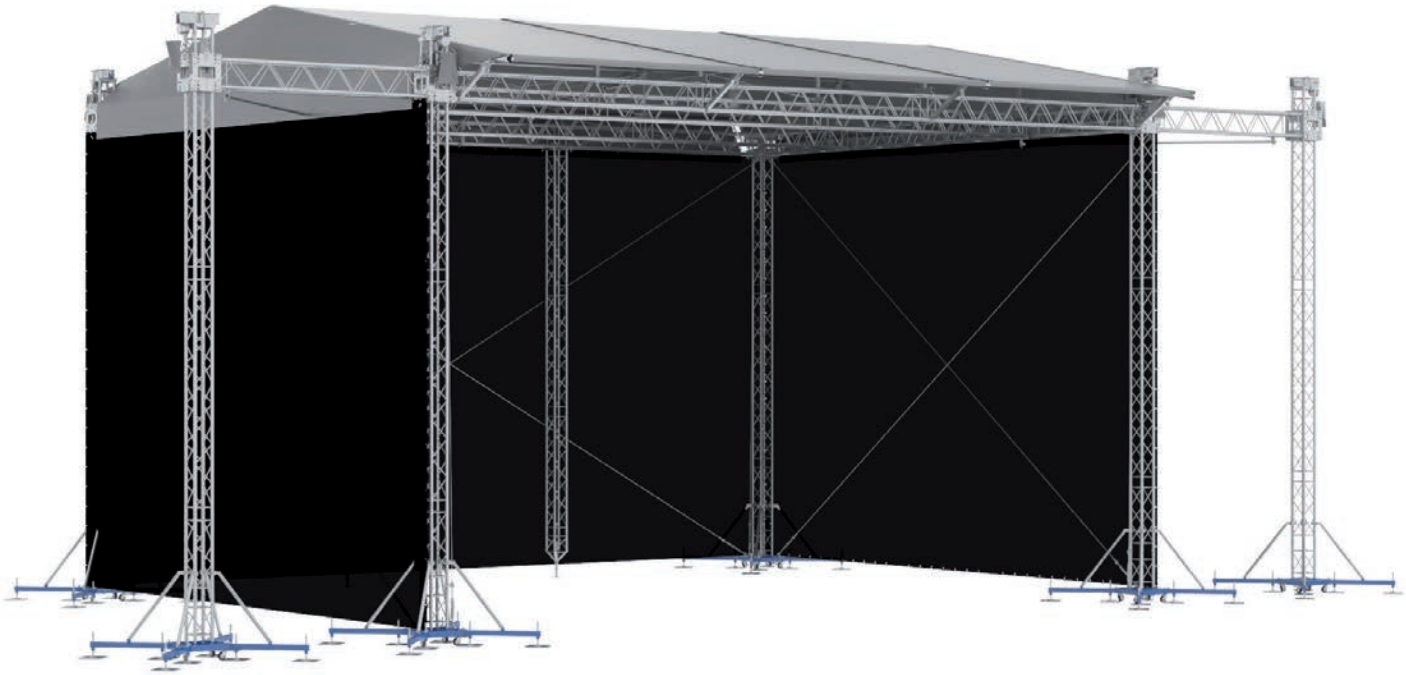
Technical specifications

		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)

*MT2 Towers with M520 truss grid

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)	**3040 kg**	(6696 lbs)	**3040 kg**	(6696 lbs)	**3040 kg**	(6696 lbs)
		Point loads	**7700 kg**	(16960 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

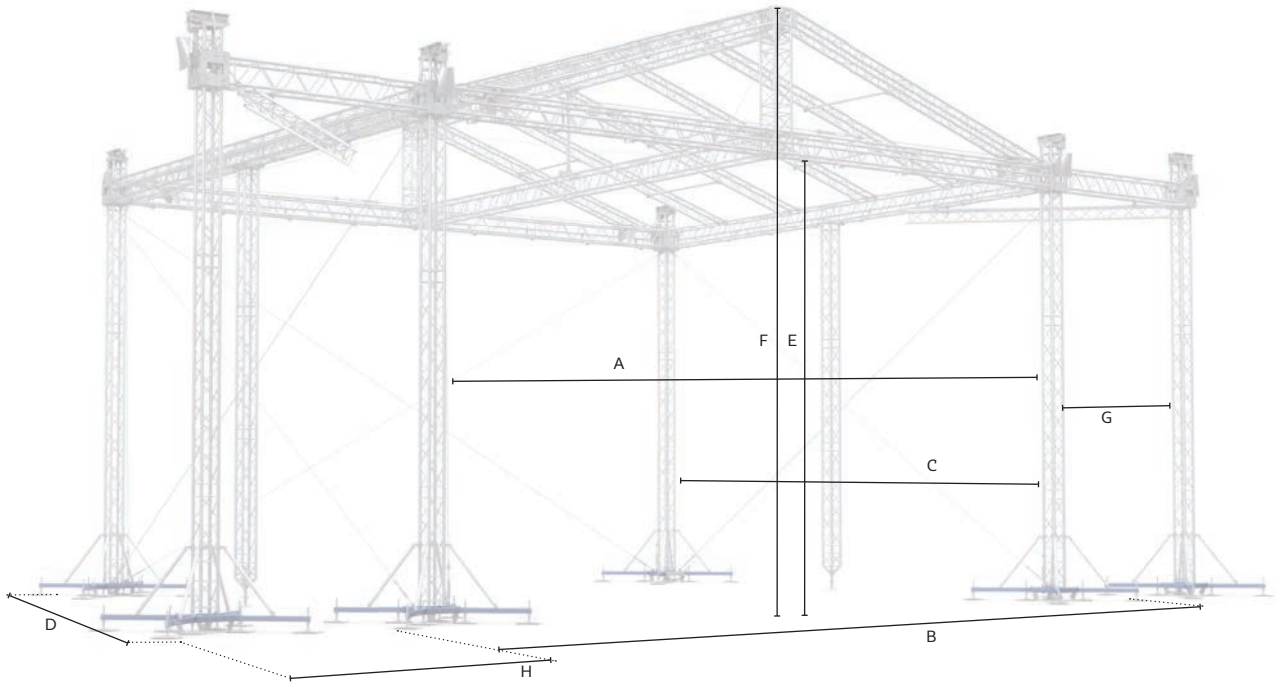
Design standards	DIN EN 13814 (2012)	Fairground and amusement park machinery and structures
	DIN EN 1991 / Eurocode 1	Actions on structures
	DIN EN 1999 / Eurocode 9	Design of aluminium structures
	DIN EN 1993 / Eurocode 3	Design of steel structures
	• All of our structures are produced under EN 1090 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)
	* 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	This can vary per tower from 1000kg / 2203lbs up to 8000kg/17637lbs and depends on:	
	• If tower bases are interconnected or free standing	
	• Layout of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
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 10x6 (32.81x19.69 ft), 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)	10x6 m	32.80x19.70 ft)
Dimensions	A	Internal width	**12.30 m**	(40.35 ft)	**10.42 m**	((34.19 ft)	**10.42 m**	(34.19 ft)
	B	Overall external width	**14.64 m**	(48.03 ft)	**12.74 m**	(41.80 ft)	**12.74 m**	(41.80 ft)
	C	Internal depth	**10.60 m**	(34.78 ft)	**8.65 m**	(28.38 ft)	**6.65 m**	(21.82 ft)
	D	Overall external depth	**12.99 m**	(42.62 ft)	**10.97 m**	(35.99 ft)	**10.97 m**	(35.99 ft)
	E	Clearance	**7.12 m**	(23.36 ft)	**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)	**9.14 m**	(29.99 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	**3.44 m**	(11.29 ft)	**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)	10x6 m	(32.80x19.70 ft)
Loading capacity	Main grid	Uniformly distributed (UDL)	**3480 kg**	(7665 lbs)	**2160 kg**	(4758 lbs)	**1920 kg**	(4229 lbs)
		Point loads 8x400kg + UDL total	**4600 kg**	(10132 lbs)	**4140 kg**	(9119 lbs)	**3980 kg**	(8767 lbs)
	PA wing	Central Point load (CPL)	**1500 kg**	(3304 lbs)	**- kg**	(- lbs)	**- kg**	(- lbs)
	Cantilever	Point load (CPL)	**- kg**	(- lbs)	**150 kg**	(330.4 lbs)	**150 kg**	(330 lbs)
	* See structural report for exact load positioning							



Operational Specifications

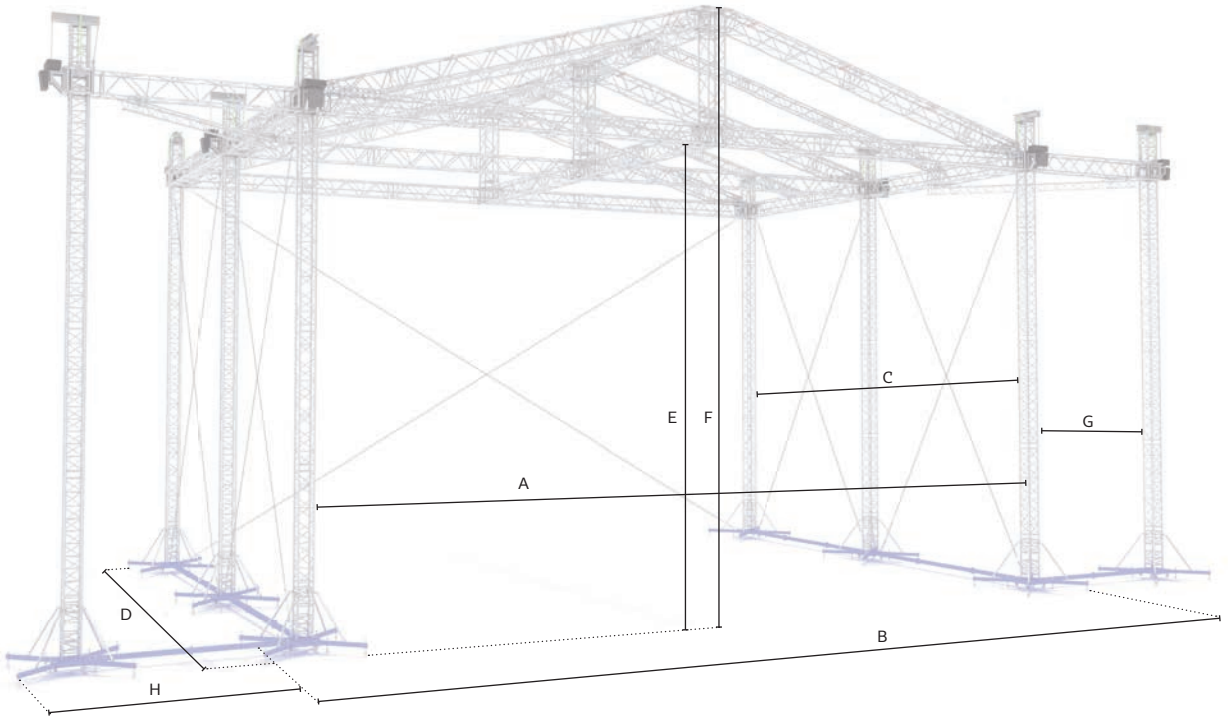
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	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	This can vary per tower from 200kg / 440lbs up to 5300kg / 11674lbs and depends on:	
	• If tower bases are interconnected or free standing	
	• Layout of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
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)	**10x6 m**	(32.80x19.70 ft)
Self-weight	* Exact self-weight depends on configuration	**2100 kg**	(4626 lbs)	**1950 kg**	(4295 lbs)	**1785 kg**	(3932 lbs)
Transport volume	* Packed in carton boxes and bubble foil	**30 m³**	(1060 ft³)	**25 m³**	(882 ft³)	**20 m³**	(706 ft³)

MR3 saddle roofs

- MR3 Saddle Roof structure for temporary events
- MT2 self-climbing towers up to 12.5 m high (41.01 ft) with M520 main grid
- Various standard sizes and optional front cantilever available
- Fast connection for quick, simple and secure assembly
- Supplied complete with internal wind bracing wires & connection accessories
- Full structural calculation report & build manual available
- PVC roof colour and side wall options
- Integrated tower base / stage components available
- PA wing options available on request

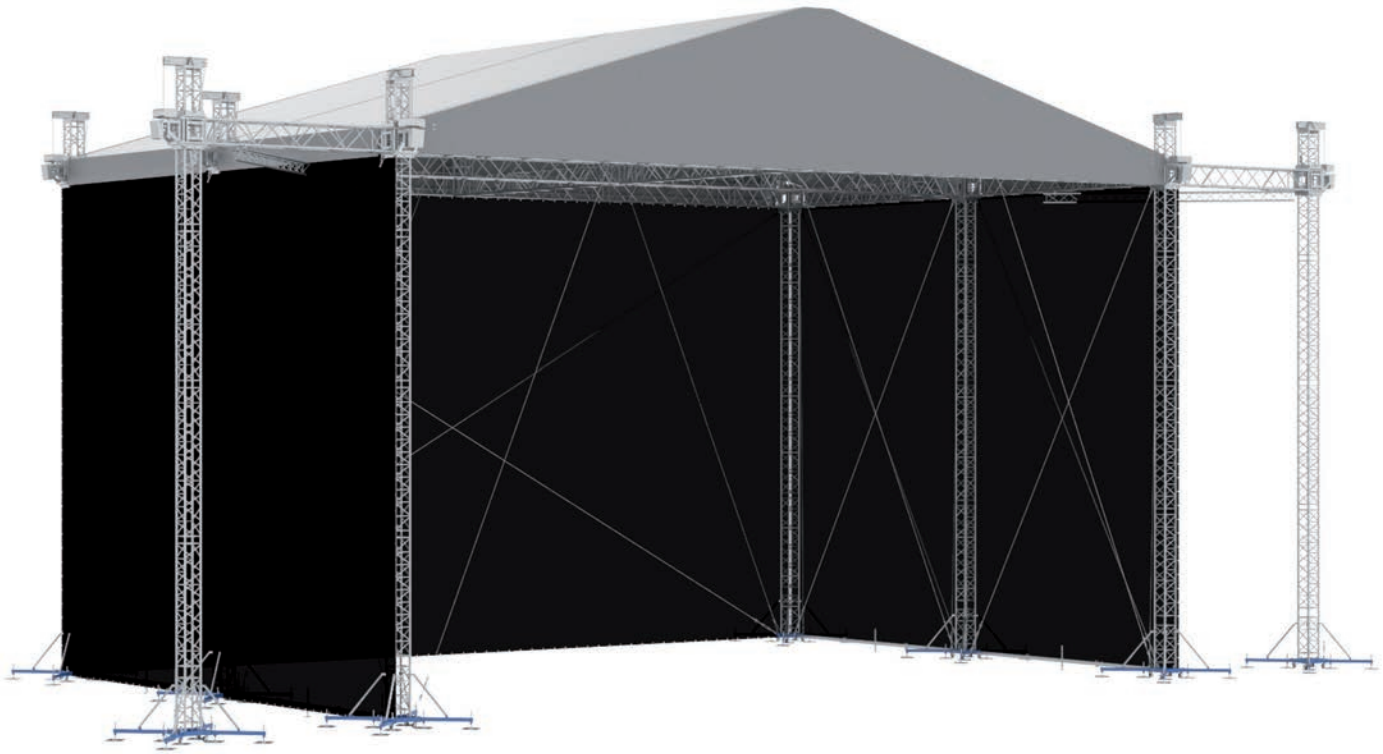


Technical specifications

		Stage size ›	20x14 m	(65.62x45.93 ft)	18x14 m	(59.06x45.93 ft)	
Dimensions	A	Internal width	**20.53 m**	(67.34 ft)	**18.53 m**	(60.79 ft)	
	B	Overall external width	**23.15 m**	(75.95 ft)	**21.15 m**	(69.39 ft)	
	C	Internal depth	**14.80 m**	(48.56 ft)	**14.80 m**	(48.56 ft)	
	D	Overall external depth	**16.65 m**	(54.63 ft)	**16.65 m**	(54.63 ft)	
	E	Clearance	**11.50 m**	(37.73 ft)	**11.50 m**	(37.73 ft)	
	F	Overall height	**15.02 m**	(49.28 ft)	**15.02 m**	(49.28 ft)	
	G	PA wing - internal width	**4.31 m**	(14.14 ft)	**4.31 m**	(14.14 ft)	
	H	PA wing - overall external width	**4.71 m**	(15.45 ft)	**4.71 m**	(15.45 ft)	

Loading capacity

		Stage size ›	20x14 m	(65.62x45.93 ft)	18x14 m	(59.06x45.93 ft)	
Loading capacity	Main grid	Uniformly distributed (UDL)	**7420 kg**	(16344 lbs)	**7791 kg**	(17161 lbs)	
		Point loads	**7500 kg**	(16520 lbs)	**7875 kg**	(17346 lbs)	
	PA wing	Central Point load (CPL)	**1500 kg**	(3304 lbs)	**1500 kg**	(3304 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	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	Can vary from 3900kg / 8590bs up to 10400kg / 22907lbs per tower and depends on:	
	• If tower bases are interconnected or free standing	
	• Layout of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
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	

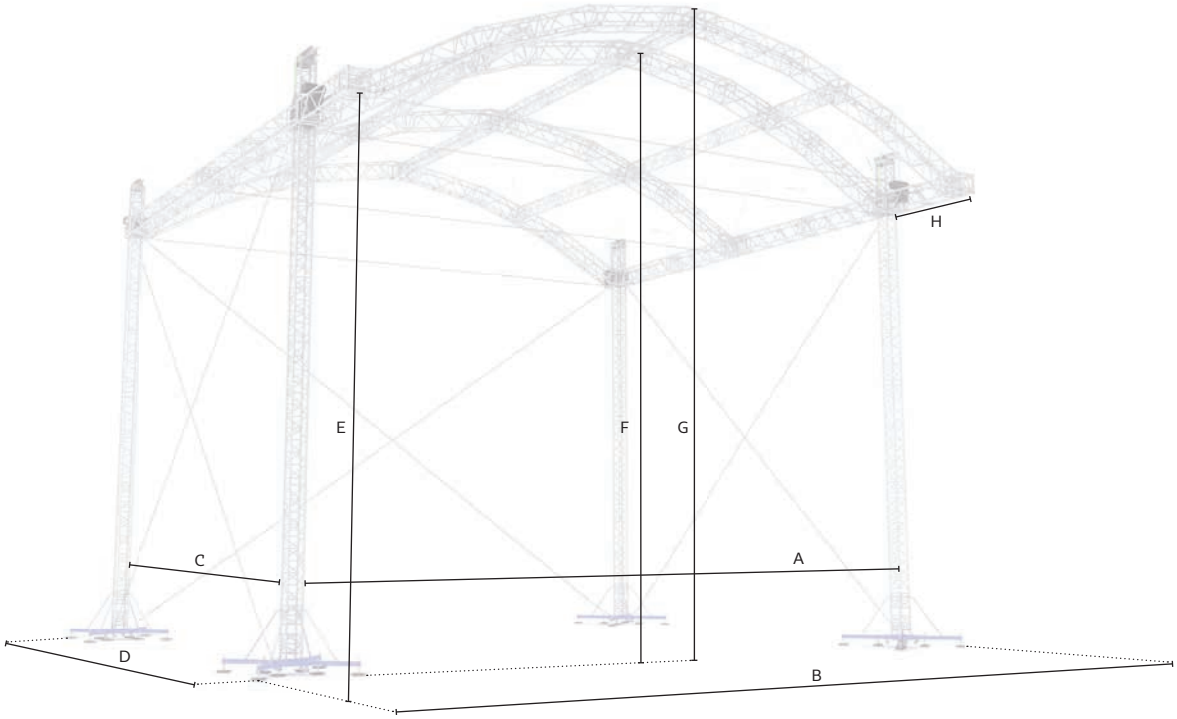
Transportation data

	Stage size ›	**20x14 m**	(65.62x45.93 ft)	**18x14 m**	(59.06x45.93 ft)
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)

We've got you covered

MR4 arched roofs

- MR4 Mega-Arc Roof structure for temporary events
- MT2 self-climbing towers up to 12.5 m high (41.01 ft) with M400 / M520 main grid
- Keystone 'arch' created using standard straight sections & angled hinge parts
- Supplied complete with internal wind bracing wires & connection accessories
- Fast connection for quick, simple and secure assembly
- 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

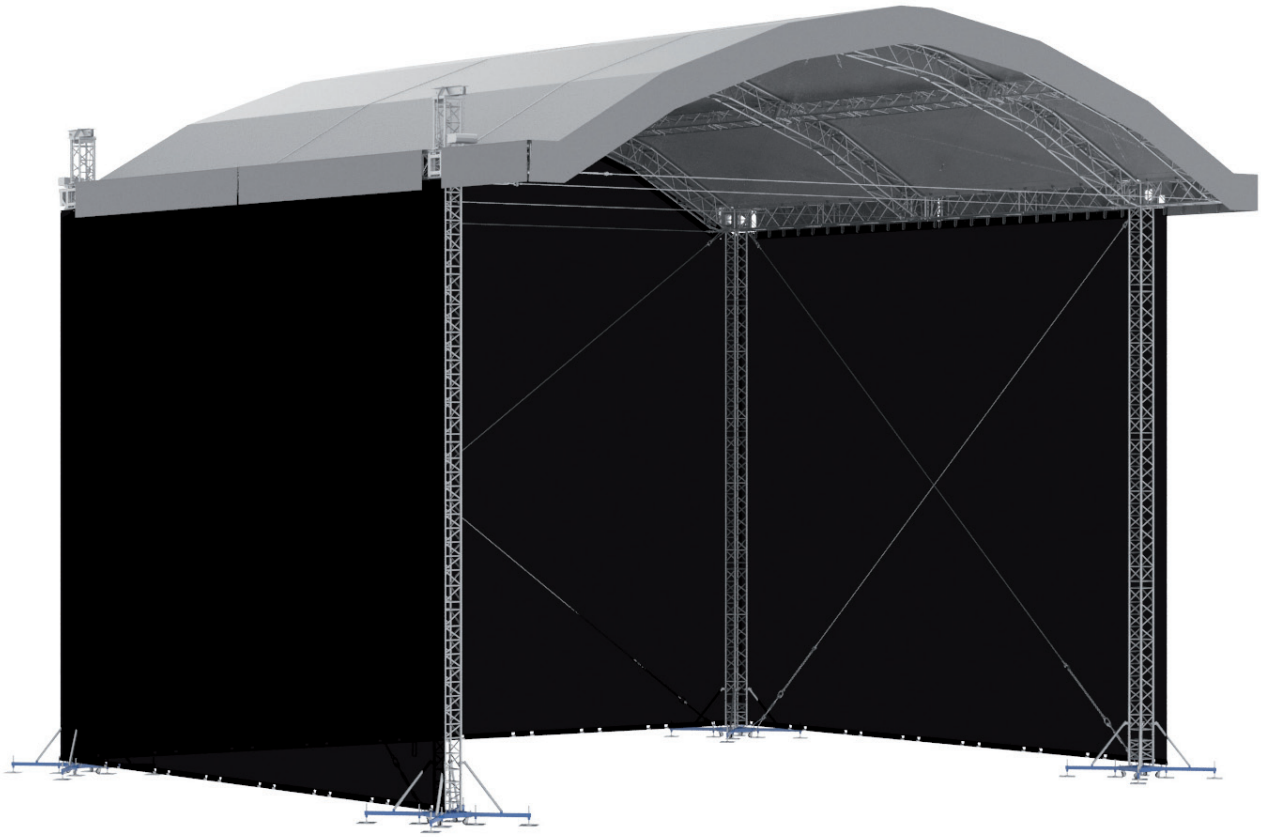


Technical specifications

		Stage size ›	20x12 m	(65.62x39.37 ft)	16x12 m	(52.50x39.37 ft)	
Dimensions	A	Internal width	**20.50 m**	(67.26 ft)	**16.50 m**	(54.13 ft)	
	B	Overall external width	**23.12 m**	(75.85 ft)	**19.12 m**	(62.73 ft)	
	C	Internal depth	**13.03 m**	(42.75 ft)	**13.03 m**	(42.75 ft)	
	D	Overall external depth	**15.65 m**	(51.35 ft)	**15.65 m**	(51.35 ft)	
	E	Side clearance	**11.53 m**	(37.83 ft)	**11.53 m**	(37.83 ft)	
	F	Middle clearance	**14.30 m**	(46.92 ft)	**14.30 m**	(46.92 ft)	
	G	Overall height	**14.90 m**	(48.88 ft)	**14.90 m**	48.88 ft)	
	H	Cantilever depth	**2.70 m**	(8.86 ft)	**2.70 m**	(8.86 ft)	

Loading capacity

		Stage size ›	20x12 m	(65.62x39.37 ft)	16x12 m	(52.50x39.37 ft)	
Loading capacity	Main grid	Uniformly distributed (UDL)	**5456 kg**	(12018 lbs)	**4365 kg**	(9615 lbs)	
		or 8x Point loads of 800kg	**8000 kg**	(17621 lbs)	**6400 kg**	(14097 lbs)	
	PA wing	Central Point load (CPL)	**1500 kg**	(3304 lbs)	**1500 kg**	(3304 lbs)	
	* See structural report for exact load positioning						



Operational Specifications

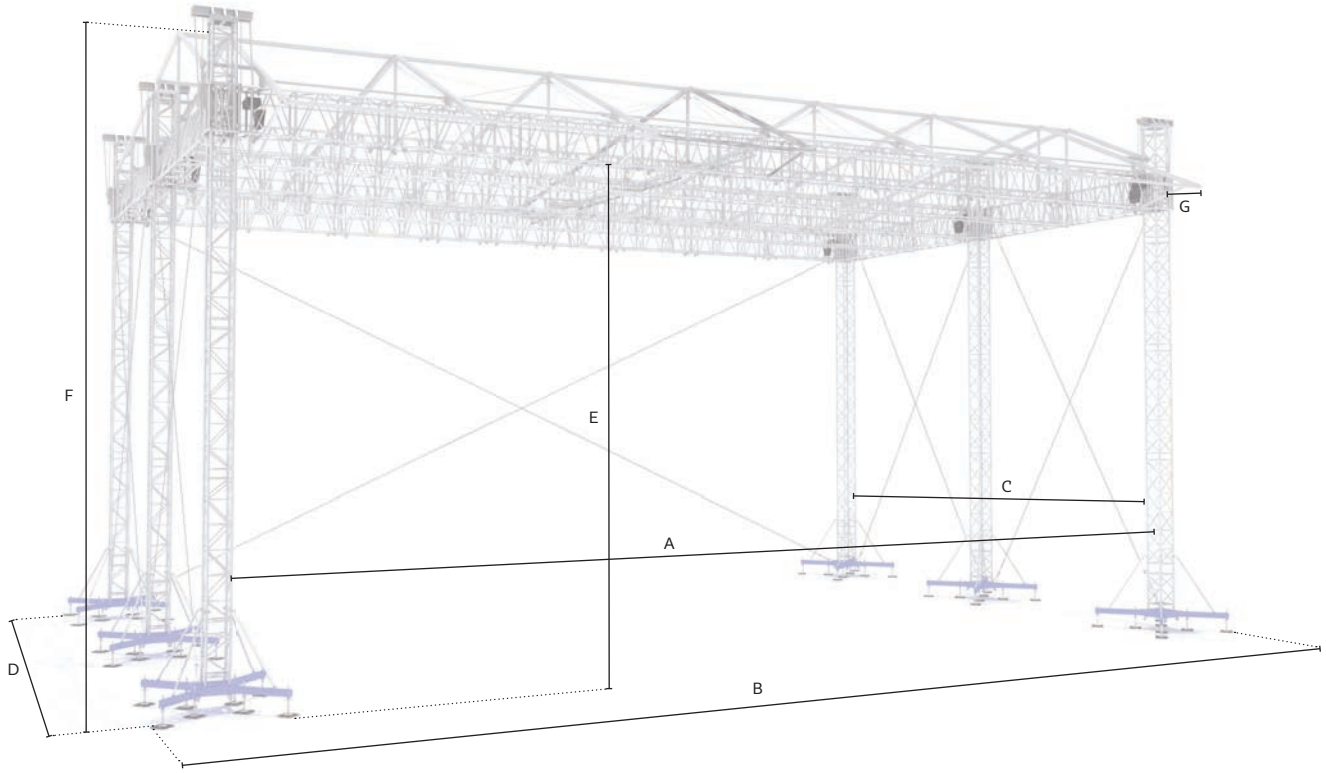
Design standards	DIN EN 13814 (2005)	Fairground and amusement park machinery and structures
	DIN 1055-4	Actions on structures / wind
	DIN 4113	Design of aluminium structures
	DIN 18800	Design of steel structures
	• All of our structures are produced under EN 1090 EXC2 as standard and include the necessary guy wires, instruction manual and engineering report	
Wind management	In service	20.8m/s - 74km/h - 46mph (Max. gust wind speed)
	* Calculations based on 30% minimum permeable side canopies	
	* Side canopies to be removed above this windspeed if not considered	
	Out of service	28.3m/s - 100km/h - 62mph (Max. gust wind speed)
	Training recommended	
Ballast	This can vary per tower from 4750kg / 10462bs up to 12634kg / 27828lbs and depends on:	
	• If tower bases are interconnected or free standing	
	• Layout of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
Canopy & sidewalls	B1 fire retardant canopy on request, in keders	
	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 ›	**20x12 m**	(65.62x39.37 ft)	**16x12 m**	(52.50x39.37 ft)
Self-weight	* Exact self-weight depends on configuration	**4680 kg**	(10308 lbs)	**3200 kg**	(7048 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 structure for temporary events
- MT2 / MT3 self-climbing towers up to 12.5 m high (41.01 ft) with M950 main grid
- M950 folding series used to minimise storage and transportation volume
- Easy back stage area integration with main structure
- Supplied complete with internal wind bracing wires & connection accessories
- Full structural calculation report & build manual available
- PVC roof colour and side wall keder options
- Integrated tower base / stage components available
- PA / Video wing options available on request

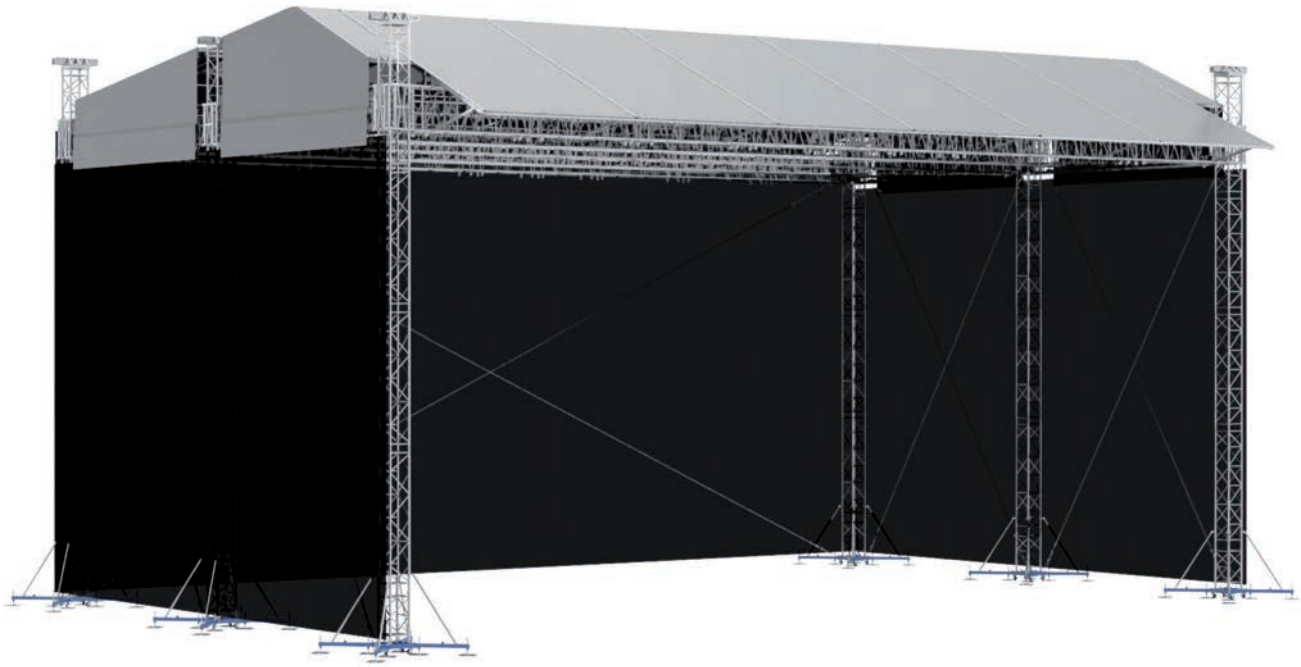


Technical specifications

		Stage size ›	24x14 m	(78.74x45.93 ft)	20x14 m	(65.62x45.93 ft)	18x14 m	(59.06x45.93 ft)
Dimensions	A	Internal width	**24.76 m**	(81.23 ft)	**20.76 m**	(68.11 ft)	**18.76 m**	(61.55 ft)
	B	Overall external width	**27.84 m**	(91.34 ft)	**23.84 m**	(78.22 ft)	**21.84 m**	(71.65 ft)
	C	Internal depth	**14.74 m**	(48.36 ft)	**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)	**17.80 m**	(58.40 ft)
	E	Clearance	**11.48 m**	(37.66 ft)	**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)	**14.43 m**	(47.34 ft)
	G	Cantilever depth	**2.02 m**	(6.63 ft)	**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)	18x14 m	(59.06 x45.93 ft)
Loading capacity	Main grid	Uniformly distributed (UDL)	**12500 kg**	(27533 lbs)	**12500 kg**	(27533 lbs)	**12500 kg**	(27533 lbs)
		Point loads	**17500 kg**	(38546 lbs)	**17500 kg**	(38546 lbs)	**17500 kg**	(38546 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	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	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	This can vary per tower from 2375kg / 5231lbs up to 12700kg / 27973lbs and depends on:	
	• If tower bases are interconnected or free standing	
	• Layout of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
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	

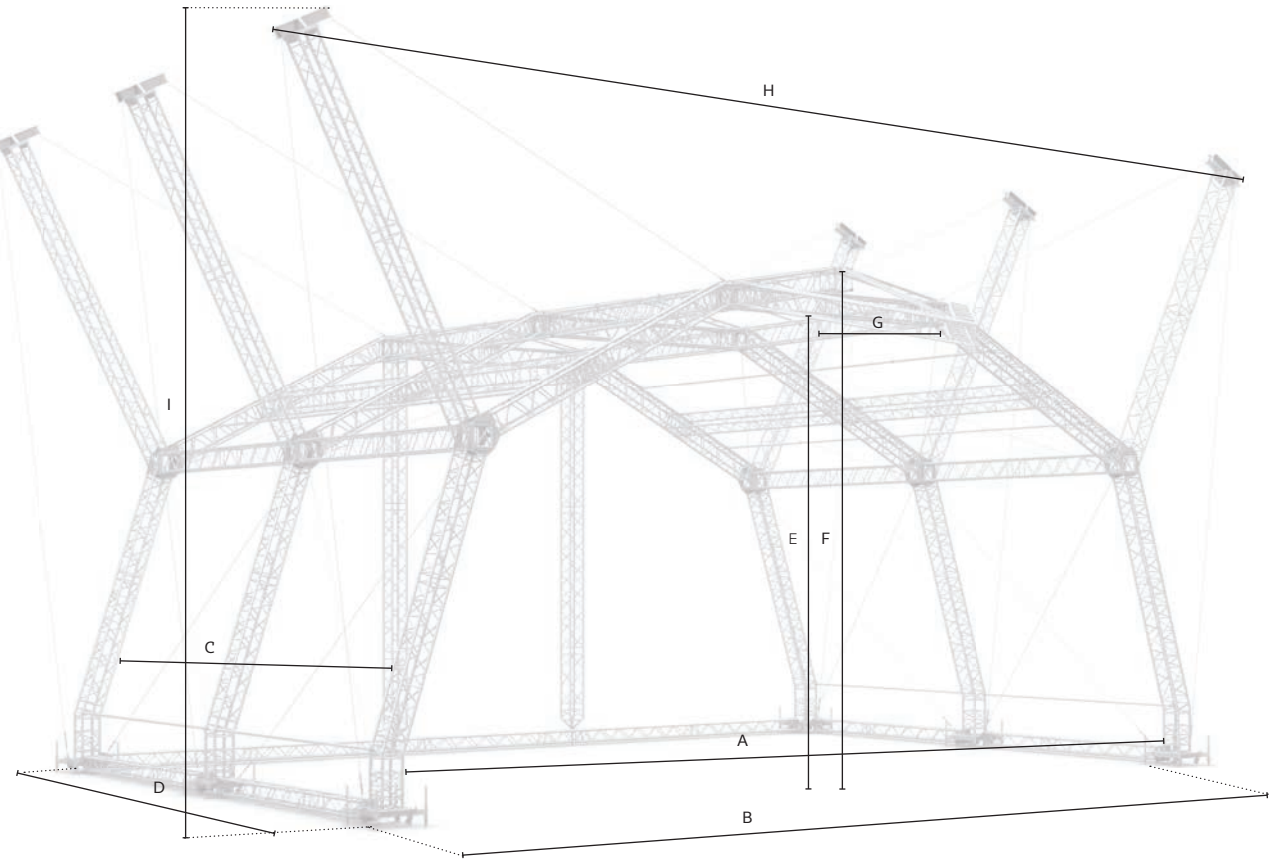
Transportation data

	Stage size ›	**24x14 m**	(78.74x45.93 ft)	**20x14 m**	(65.62x45.93 ft)	**18x14 m**	(59.06x45.93 ft)
Self-weight	* Exact self-weight depends on configuration	**7200 kg**	(15859 lbs)	**6435 kg**	(14174 lbs)	**6600 kg**	(14537 lbs)
Transport volume	* Packed in carton boxes and bubble foil	**120 m³**	(4237 ft³)	**100 m³**	(3531 ft³)	**90 m³**	(3178 ft³)

We've got you covered

BAT roofs

- Iconic BAT Roof structure for temporary events
- Special cross - tensioned tower masts requiring no heavy machinery for assembly
- Various sizes using various truss ranges available
- Supplied complete with internal wind bracing wires & connection accessories
- Includes back stage area
- Full structural calculation report & build manual available
- PVC roof colour and side wall options
- Integrated base ring-beam using heavy-duty M290 series
- Optional front cantilever

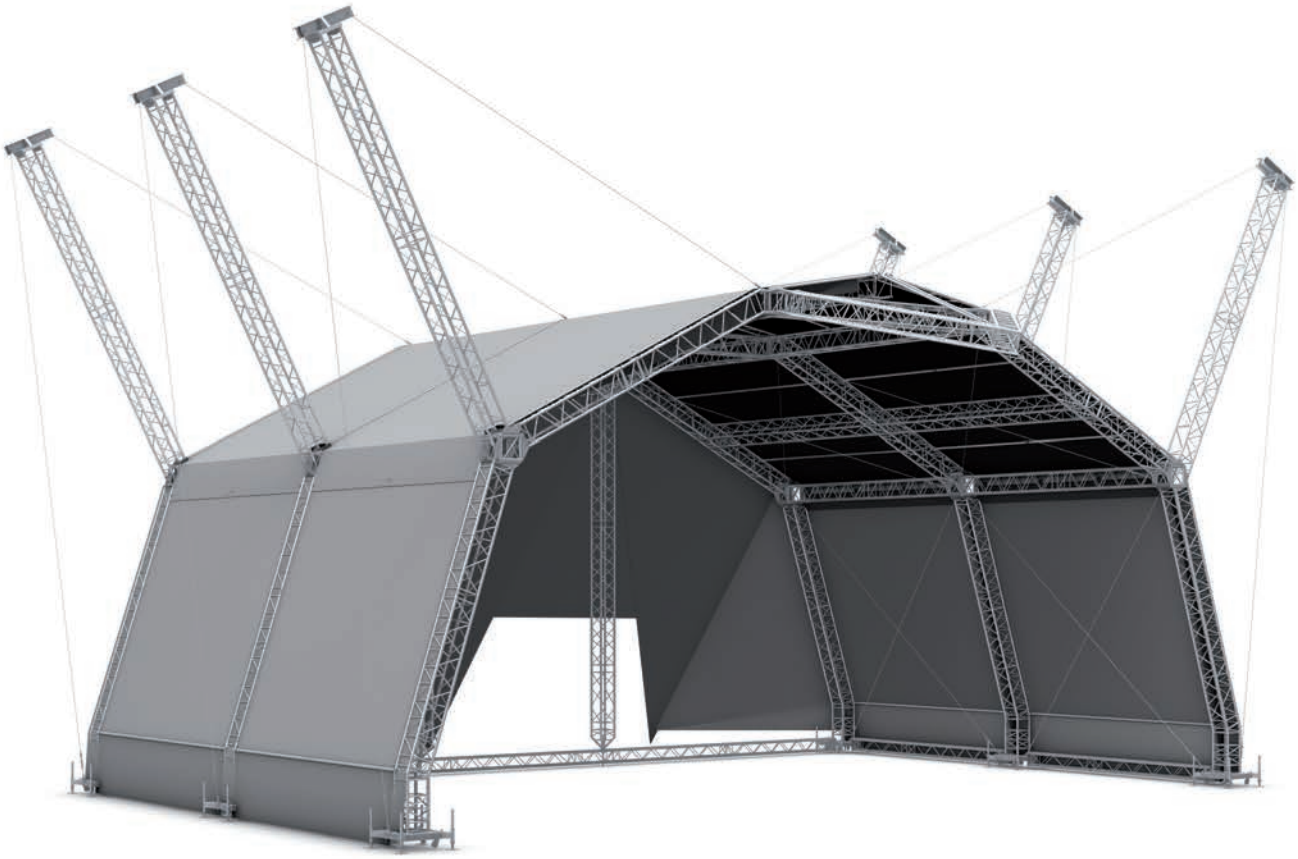


Technical specifications

		Stage size ›	16x10 m	(52.50x32.81 ft)		
Dimensions	A	Internal width	**17.22 m**	(56.50 ft)		
	B	Overall external width	**18.62 m**	(61.09 ft)		
	C	Internal depth	**10.40 m**	(34.12 ft)		
	D	Overall external depth	**11.80 m**	(38.71 ft)		
	E	Clearance	**8.00 m**	(26.25 ft)		
	F	Overall height	**8.86 m**	(29.07 ft)		
	G	Cantilever depth	**3.17 m**	(10.40 ft)		
	H	Overall external width - TOP	**21.30 m**	(69.88 ft)		
	I	Overall external height - TOP	**11.84 m**	(38.85 ft)		

Loading capacity

		Stage size ›	16x10 m	(52.50x32.81 ft)		
Loading capacity	Main grid	Uniformly distributed (UDL)	**6000 kg**	(13216 lbs)		
	* See structural report for exact load positioning					



Operational Specifications

Design standards	DIN EN 13814 (2005)	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
	• 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)
	Out of service	28m/s - 100km/h - 62mph (Max. gust wind speed)
	* Full side wall coverage	
	* Training recommended	
Ballast	This can vary per column from 1800kg / 3694lbs up to 2813kg / 6196lbs and depends on:	
	• If towers are free standing or interconnected	
	• Layout of canopies	
	• Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions)	
	• Friction material used between screw jacks, padding and sub soil	
Canopy & sidewalls	B1 fire retardant canopy on request	
	Silvergrey; other colors or inside black on request	
Customized	Customisation (i.e. truss configuration, alternative dimensions, roof adjustability) upon request	

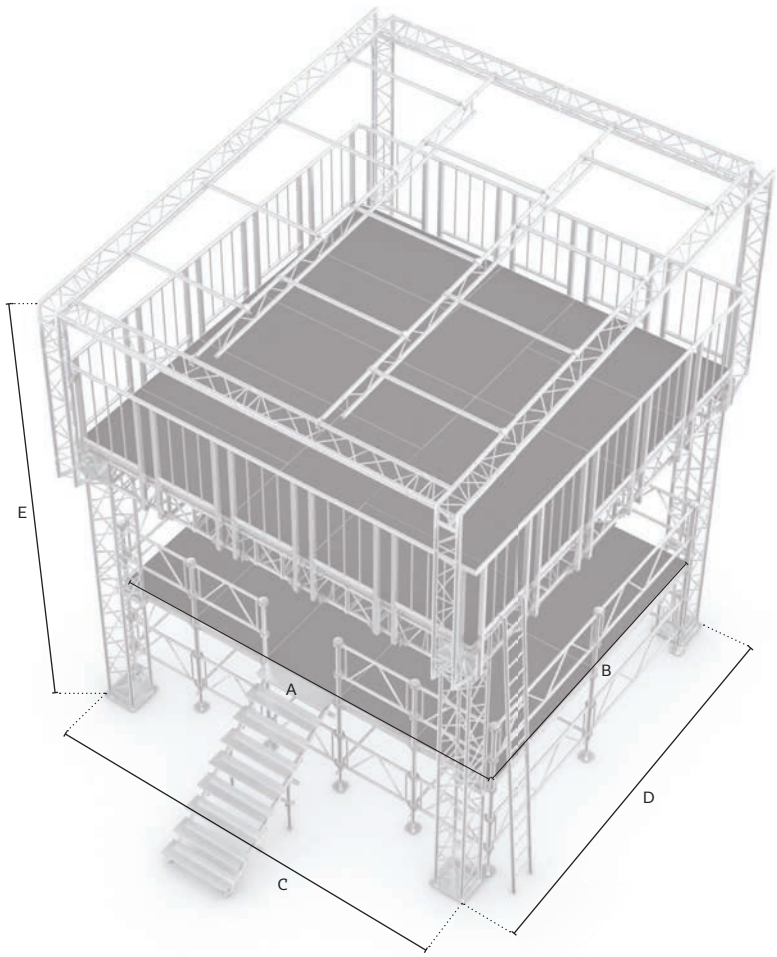
Transportation data

	Stage size ›	**16x10 m**	(52.50x32.81 ft)
Self-weight	* Exact self-weight depends on configuration	**4990 kg**	(10991 lbs)
Transport volume	* Packed in carton boxes and bubble foil	**60 m³**	(2119 ft³)

We've got you covered

FOH Front of House

- Double decker front of house structure for temporary events
- Two tier structure with integrated platform ideal for sound station
- Heavy-duty M390 Quatro main structure and with support beams
- Fast connection for quick, simple and secure assembly
- Structure supplied complete with PVC covers

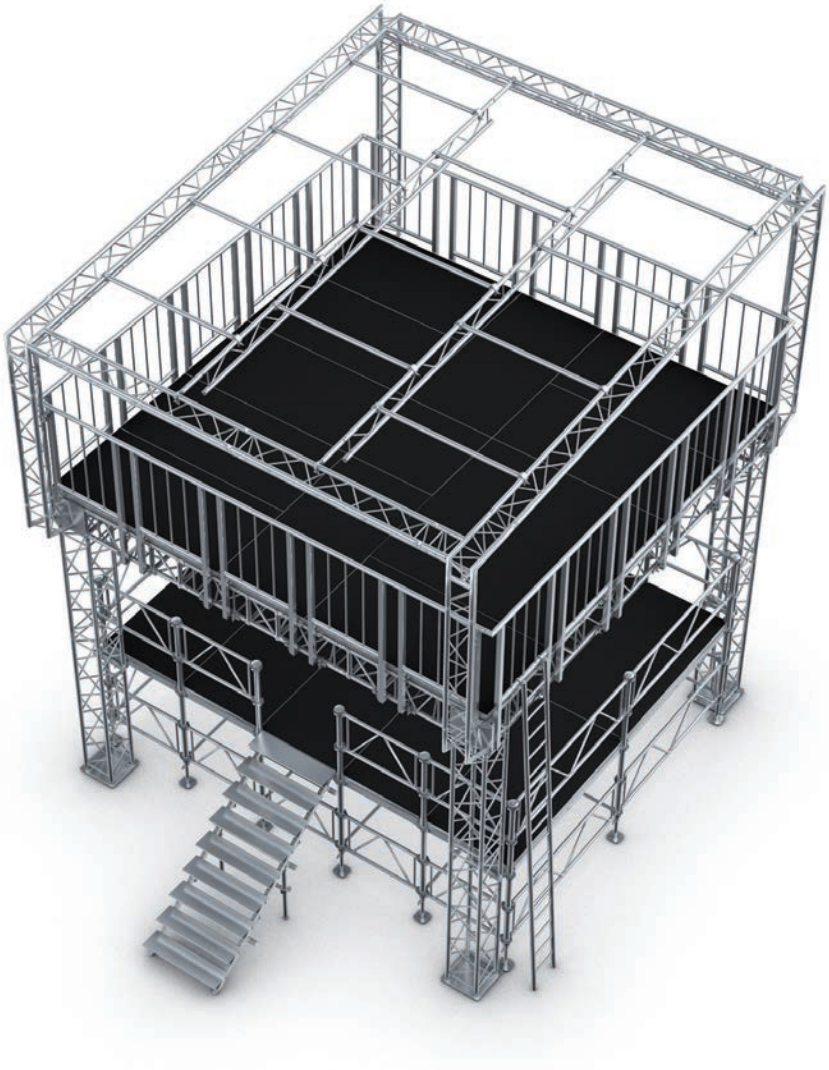


Technical specifications

		Stage size ›	5x5 m	(16.40x16.40 ft)		
Dimensions	A	Internal width	5.00 m	(16.40 ft)		
	B	Internal depth	4.00 m	(13.12 ft)		
	C	External width	5.00 m	(16.40 ft)		
	D	External depth	5.00 m	(16.40 ft)		
	E	Height back	6.18 m	(20.27 ft)		
	F	Height front	6.57 m	(21.56 ft)		
	G	Cantilever depth	**3.17 m**	(10.40 ft)		
	H	Overall external width - TOP	**21.30 m**	(69.88 ft)		
	I	Overall external height - TOP	11.84 m	(38.85 ft)		

Loading capacity

		Stage size ›	**5x5 m**	(16.40x16.40 ft)		
Loading capacity		Top level	**200 kg/m²**	(4746.07 lbs)		
		Bottom level	**750 kg/m²**	(17797.77 lbs)		
	* See structural report for exact load positioning					



Operational Specifications

Design standards	DIN 1055-4 Loading on structures DIN 4112 Temporary structures DIN 4113 Aluminium 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) Out of service 27.5m/s - 100km/h - 62mph (max. gust wind speed)
Ballast	This can vary per column from 250kg / 550 lbs up to 1500 kg / 3304 lbs and depends on: • Layout of canopies • Self-weight of load or interconnected stage is considered (Might be deducted from ballast under certain conditions) • Friction material used between screw jacks, padding and sub soil
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) upon request

Transportation data

	Stage size ›	**5x5**	(19.7 x 19.7')		
Self-weight	* Exact self-weight depends on configuration	**2594 kg**	(5714 lbs)		
Transport volume	* Packed in carton boxes and bubble foil	**20 m³**	(176 ft³)		

Rigging accessories

Get set!




AGP034-ST ONYX

Rigging accessories

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



O-Ring

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

Available for SWL up to 6000 kg (13227 lbs)



Shackle

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

Available for SWL up to 6500 kg (14330 lbs)



Dropnet lock

Code	kg	lbs	Weight
DROPNET-CELL201			**0.65** (1.43)

Equipped with emergency pin. Designed for quick release of your roof's sidewall covering



Turnbuckle

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

For tensioning wires



Podger

Code	kg	lbs	Weight
PODGRIG			**0.6 (1.3)**

Used for releasing of jammed truss connection. Ratchet head on one end



Stac chain 1.5m

Code	kg	lbs	Weight
STACCHAIN			**4.67 (10.3)**

Used for adjusting lengths of guy wires



Safety wire ropes

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

Available diameters: 3mm (0.09")



Steel flex

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

Fire rating to 200°C



Adjustable chain

Code	kg	lbs	SWL	Weight
ADJ-CH-3.15t-3.68m			**3150** (6944)	**11.13** (24.54)

Available for SWL up to 6000 kg (13227 lbs)



MILOS 25x1300mm ratchet strap

Code	kg	lbs	Weight
MIL-RAT			**0.41** (0.9)



MILOS 25x900mm tensioning strap

Code	kg	lbs	Weight
MIL-STR			**0.06** (0.13)



Ratchet strap 1500mm

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

Various lengths and tonnages available



Mallet big

Code	kg	lbs	Weight
MAL-BIG			**0.94** (2.07)

Wooden shaft, metal head, replaceable plastic cap



Mallet small

Code	kg	lbs	Weight
MAL-SM			**0.46** (1.01)

Wooden shaft, metal head, replaceable plastic cap



Red copper hammer 750g

Code	kg	lbs	Weight
HAM-750			**0.84** (1.85)

Wooden shaft, 750g copper head



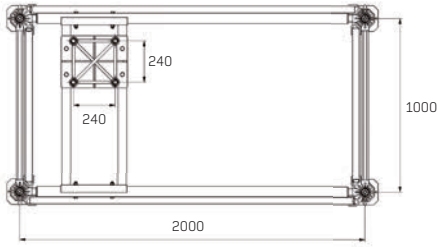


Water tank for ballast 550 kg (1213 lbs)

Code		Weight
WT1BS-800x800x1000	kg lbs	**45** (99)

Can be stocked on each other using a reinforced stacing kit





Safe ballast systems

Code	
BS-S4-MT1	Safe ballast enables anchoring a system's towers directly onto the main stage. This makes the stage one huge, active counterweight to the external forces created by outdoor conditions.
BS-S4-MT2	SB considerably decreases the necessity of additional ballasting. Safe ballast is available for systems both with MT1 towers and also for MT2 large scale roof systems



Tool lanyard

Code		Weight
TOO-LAN	kg lbs	**0.4** (0.88)

For safer attachment of tools when working in heights

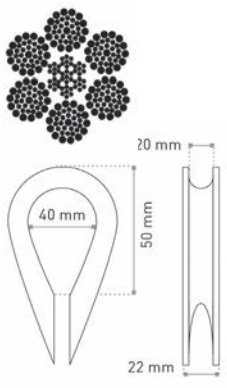


Rigger's multitool

Code		Weight
MUL-TOOL	kg lbs	**0.35** (0.77)

For safer attachment of tools when working in heights





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

NOTE:

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



Crowd barriers

Back off!





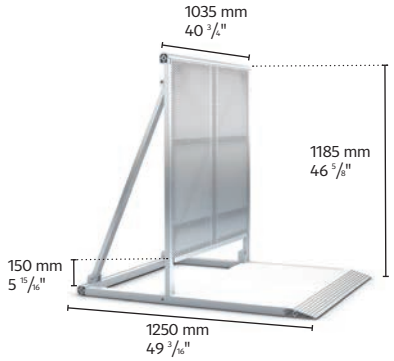
Crowd barriers

- 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-1m standard unit

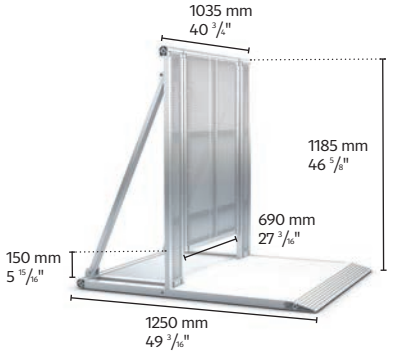
Code	kg	lbs
CWB-B	**41.2** (90.83)	



Crowd barrier-1m cable cross

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

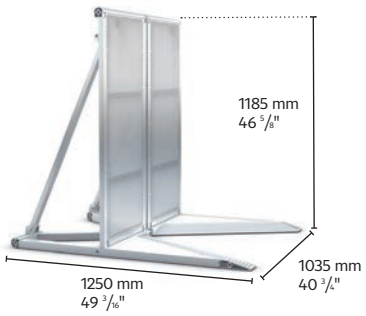
Opening for cable acces



Crowd barrier-Gate access

Code	kg	lbs
CWB-DC	**50.1** (110.45)	

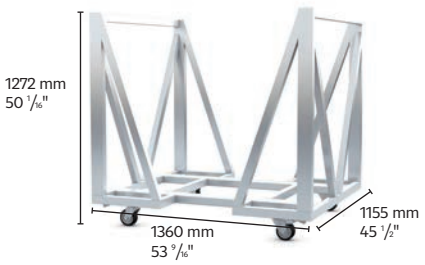
Equipped with lockable door



Crowd barrier-Variable corner

Code	kg	lbs
CWB-VC	**36.4** (82.25)	

Adjustable from 120° to 240°



Crowd barrier-Cart

Code	kg	lbs
CWB-V-CART	**50.30** (110.87)	

Carries up to 10 barriers

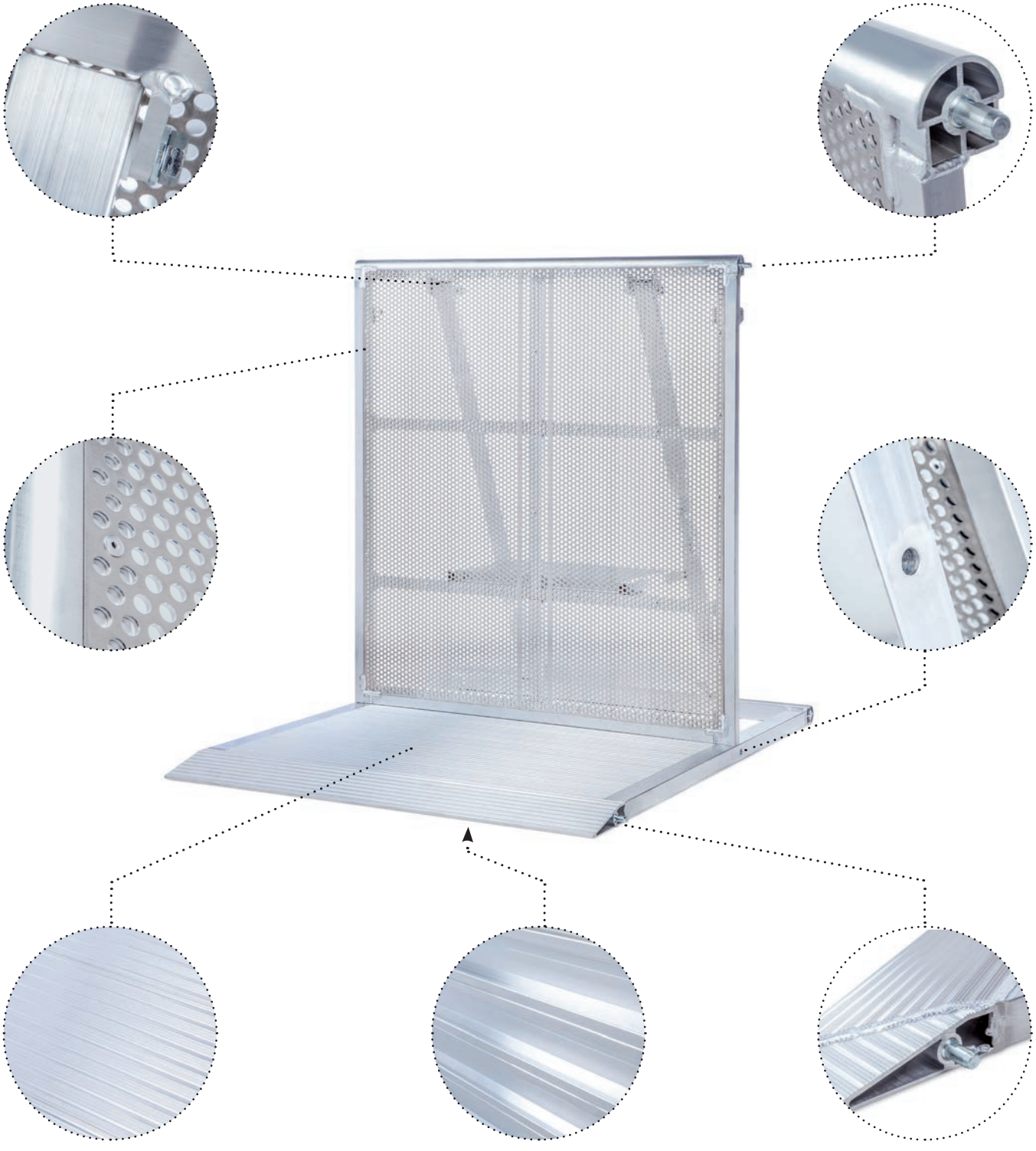
Wheels with brakes



Connection set

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

Set of bolts





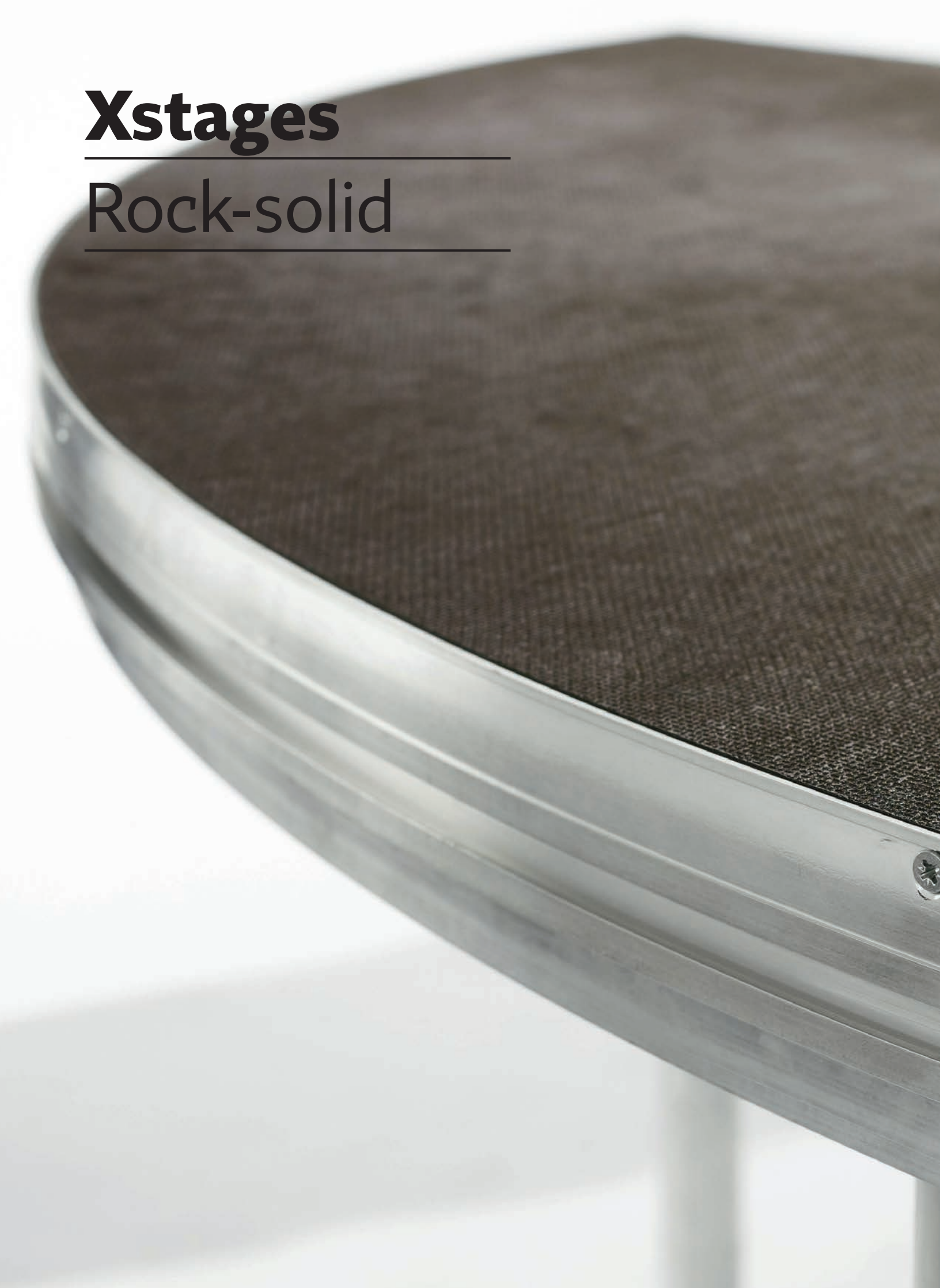
NOTE:

Our crowd barriers are tested under the following specifications:

300kg/m² horizontal load applied on the upper horizontal chord of vertical wall • 750kg/m² vertical load (representing crowd weight) on the main bottom platform • Structural report is calculated in accordance with EN 1991-1-1, EN 1993-1-1, EN 1999-1-1 and EN 13200-3.

Xstages

Rock-solid





Xstage S1

- Adjustable scissor stage platform ideal for semi-permanent installations
- Variable height adjustment via integrated cable brake system
- Low profile design with loading up to 750 Kg/m²
- Indoor and outdoor surface finish options available



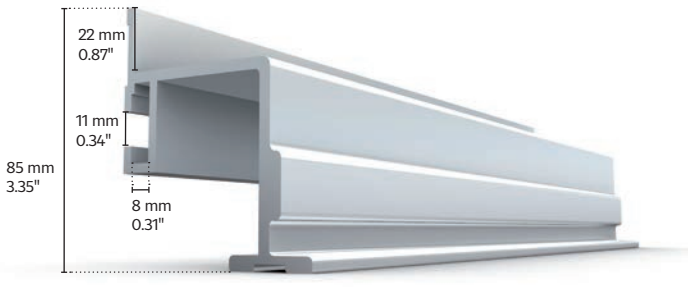


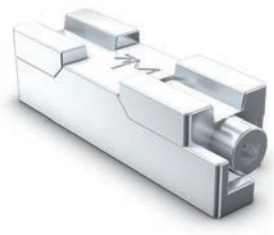
SPECIFICATIONS CHART

Xstage S1

code	deck size	height options	max. UDL	top deck	total weight	storage height	deck material
XS1LAT	2000x1000 mm (78.74 x 39.37")	400 - 600 - 800 - 1000 mm (15.75 - 23.62 - 31.50 - 39.37")	750 kg / m² (153.60 lbs / ft²)	22 mm (0.87")	63.00 kg (138.90 lbs)	200 mm (7.87")	Indoor plywood
XS1PLY	2000x1000 mm (78.74 x 39.37")	400 - 600 - 800 - 1000 mm (15.75 - 23.62 - 31.50 - 39.37")	750 kg / m² (153.60 lbs / ft²)	21 mm (0.83")	66.30 kg (146.17 lbs)	200 mm (7.87")	Outdoor plywood

Antislip plywood (outdoor use), deck colour may vary due to use of natural plywood, fenol coated





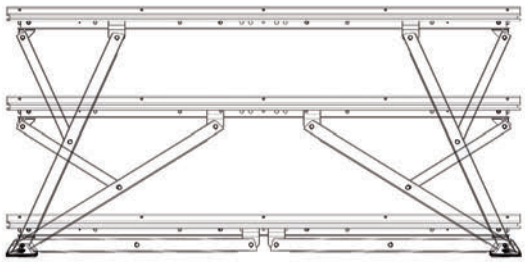
XS1 PROFILE

Series		
XS1LAT XS1PLY	**2.23 kg/m** (0.68 lbs/ft)	**S1 aluminium profile** High-tensile aluminium profile

XS1 CONNECTOR

Series		
XS1LAT XS1PLY	**0.06 kg/m** (0.13 lbs/ft)	**Xstage connector for XS1/XS8 series** Connecting element using M5 allen bolt





XS1

Series	
XS1LAT	**Stage connection using XS1CONNECTOR**
XS1PLY	

XS1

Series	
XS1LAT	**Folding mechanism** Adjustable height from 400, 600, 800, 1000mm. (15.75 - 23.62 - 31.50 - 39.37")
XS1PLY	



Xstage S8 & S8 Light

- Lightweight platform stage system
- Quick lock leg pocket mechanism for fast & secure assembly
- Low profile design with loading up to 750 Kg/m²
- Indoor and outdoor surface finish options available
- Low weight, super strong
- Universal edge connection





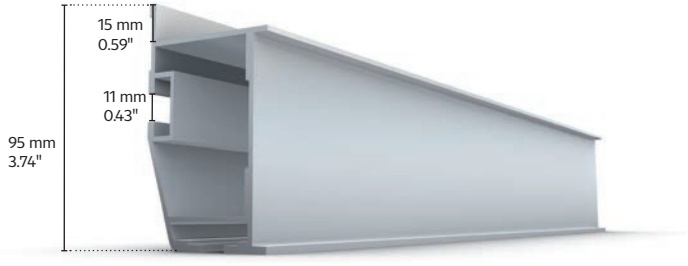
SPECIFICATIONS CHART

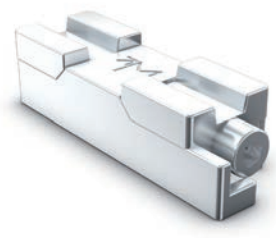
Xstage S8

code	deck size	height options	max. UDL*	top deck	total weight	storage height	deck material
XS8PLY	2000x1000 mm (78.74 x 39.37")	200 - 1500 mm (7.87 - 59.06")	750 kg / m² (153.60 lbs / ft²)	22 mm (0.87")	38.00 kg (83.76 lbs)	200.00 mm (7.87")	Outdoor plywood
XS8COM	2000x1000 mm (78.74 x 39.37")	200 - 1500 mm (7.87 - 59.06")	750 kg / m² (153.60 lbs / ft²)	22 mm (0.87")	28.00 kg (61.72 lbs)	200.00 mm (7.87")	Composite
XS8PLX	2000x1000 mm (78.74 x 39.37")	200 - 1500 mm (7.87 - 59.06")	750 kg / m² (153.60 lbs / ft²)	22 mm (0.87")	58.00 kg (127.84 lbs)	200.00 mm (7.87")	Plexiglass
XS8LTG	2000x1000 mm (78.74 x 39.37")	200 - 1500 mm (7.87 - 59.06")	750 kg / m² (153.60 lbs / ft²)	22 mm (0.87")	36.00 kg (79.35 lbs)	200.00 mm (7.87")	Outdoor plywood (light version)

Antislip plywood (outdoor use), deck colour may vary due to use of natural plywood, fenol coated

*Legs are sold separately



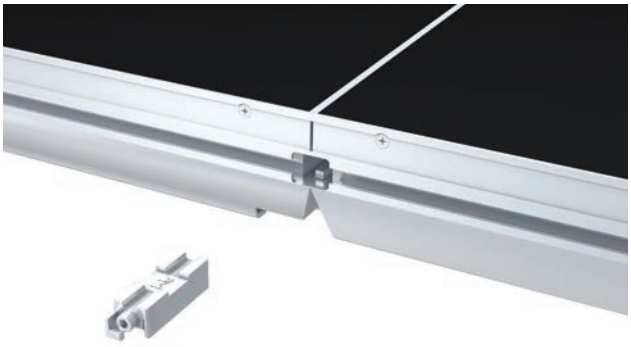


XS8 PROFILE

Series		
XS8PLY XS8COM XS8PLX XS8LTG	**2.04 kg/m** (0.62 lbs/ft)	**S1 aluminium profile** High-tensile aluminium profile

XS1 CONNECTOR

Series		
XS8PLY XS8COM XS8PLX	**0.06 kg/m** (0.13 lbs/ft)	**Xstage connector for XS1/XS8 series** Connecting element using M5 allen bolt



XS8

Series
XS8PLY
XS8COM
XS8PLX

Stage connection for S8
S8 regular staging gets connected via QUICK-CONN



XS8

Series
XS8LTG

Stage connection for S8-Light
Deck frame features built-in PVC clips



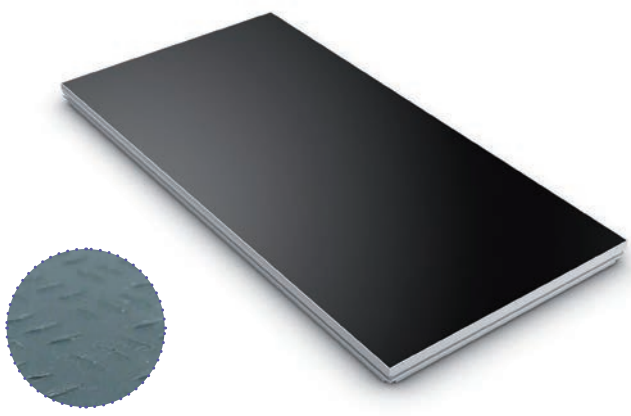
XS8PLX

S8 plexiglass top deck
Transparent surface, various colours available on request



XS8PLY

S8 plywood surface
Anti-slip plywood for outdoor use.
Special shapes available
Color of plywood deck may vary, fenol coated



XS8COM

Composite
Honeycomb composite - antislip, more durable, stronger, much lighter, keeps same color



XS8

Series
XS8PLY
XS8COM
XS8PLX
XS8LTG

S8 plug-in leg system
Locks in 48x3mm pipe leg (1 7/8" x 1/8")



XS8-LEG

Series		
XS8PLY XS8COM XS8PLX XS8LGT	**1.10 kg/m** (0.33 lbs/ft)	**Aluminium leg, plastic end cap** Range of stage heights available 200-1000mm (7.87 - 39.37") 48 x 3 mm leg diameter (1 7/8" x 1/8")



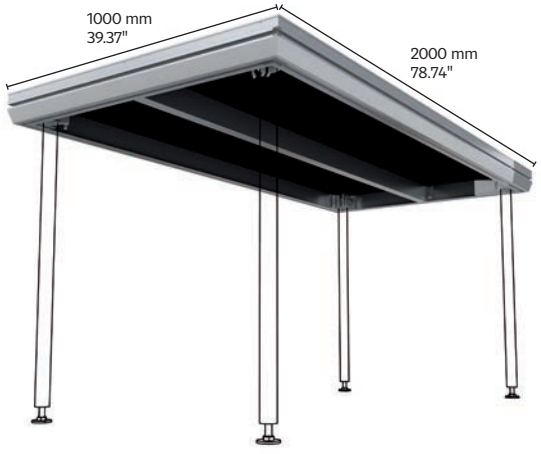
XS8ADJ-LEG

Series		
XS8PLY XS8COM XS8PLX XS8LGT	**1.40 kg/m** (0.45 lbs/ft)	**Aluminium leg, adjustable 50 mm (1.96") bolt** Range of stage heights available 200-1500mm (7.87 - 59.06") 48 x 3 mm leg diameter (1 7/8" x 1/8")



XS8T-LEG

Series		
XS8PLY XS8COM XS8PLX XS8LGT	**1.88 kg/m** (0.61 lbs/ft)	**Aluminium leg, telescopic, adjustable 50 mm (1.96") bolt** Range of stage heights available 500-1500mm (- 59.06") 48 x 3 mm leg diameter (1 7/8" x 1/8")



XS8

Series	
XS8PLY|2x1m XS8COM|2x1m XS8PLX|2x1m	**S8 2x1m** Plywood = 38 kg (83.75 lbs) Composite = 28 kg (61.71 lbs) Plexi = 58 kg (127.83 lbs)



XS8

Series	
XS8PLY|2x0.5m XS8COM|2x0.5m XS8PLX|2x0.5m	**S8 2x0.5m** Plywood = 26 kg (57.30 lbs) Composite = 19 kg (41.88 lbs) Plexi = 50 kg (110.20 lbs)



XS8

Series	
XS8PLY|1x1m XS8COM|1x1m XS8PLX|1x1m	**S8 1x1m** Plywood = 26 kg (57.30 lbs) Composite = 19 kg (41.88 lbs) Plexi = 50 kg (110.20 lbs)



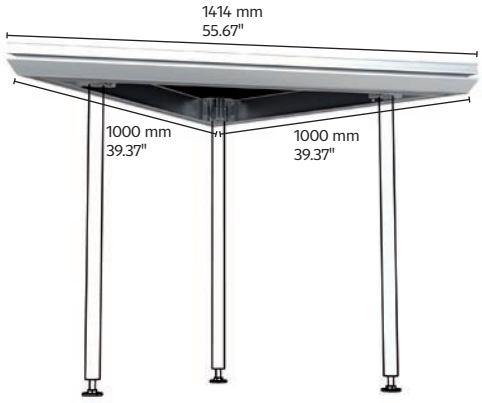
XS8

Series	
XS8PLY|1x0.5m XS8COM|1x0.5m XS8PLX|1x0.5m	**S8 1x0.5m** Plywood = 20 kg (44.08 lbs) Composite = 17 kg (37.47 lbs) Plexi = 30 kg (66.12 lbs)



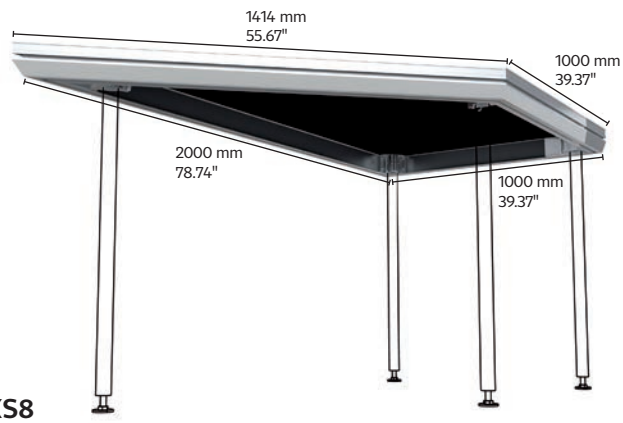
XS8

Series	
XS8PLY|TRI004	**S8 2x1m triangle** Plywood = 28 kg (55.10 lbs) Composite = 18 kg (39.67 lbs) Plexi = 38 kg (83.75 lbs)
XS8COM|TRI004	
XS8PLX|TRI004	



XS8

Series	
XS8PLY|TRI006	**S8 1x1m triangle** Plywood = 26 kg (57.30 lbs) Composite = 19 kg (41.88 lbs) Plexi = 50 kg (110.20 lbs)
XS8COM|TRI006	
XS8PLX|TRI006	



XS8

Series	
XS8PLY|TRA010	**S8 2x1 trapezoid** Plywood = 25 kg (55.10 lbs) Composite = 18 kg (39.67 lbs) Plexi = 38 kg (83.75 lbs)
XS8COM|TRA010	
XS8PLX|TRA010	



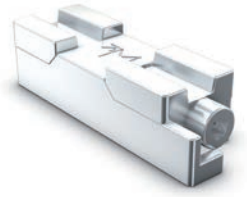
XS8

Series	
XS8PLY|CRS001	**S8 circle table 1/4 circle r=1m (39.37")** Plywood = 26 kg (57.30 lbs) Composite = 18 kg (41.88 lbs) Plexi = 50 kg (110.20 lbs)
XS8COM|CRS001	
XS8PLX|CRS001	



Xstage Accessories

- Guard rails
- Connection accessories
- Xstage connectors
- Xstage dollies & transport carts
- Xstage stairs & steps



XS1CONNECTOR

Series	kg	lbs	
XS1 XS8	**0.06** (0.13)		**Xstage connector for XS1/XS8 series** Connecting element using a M5 allen bolt



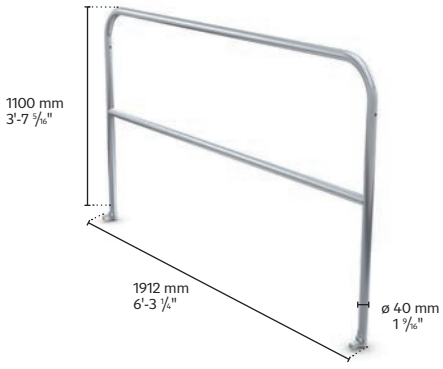
XS1GR|1 000

Series	kg	lbs	
XS1	**4.60** (10.14)		**1000mm guard rail for S1** Including attachment connectors



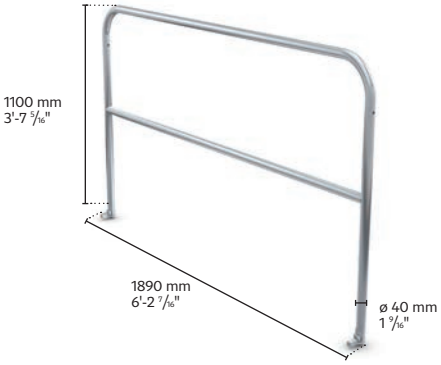
XS8GR|1000

Series	kg	lbs	
XS8	**4.60** (10.14)		**1000mm guard rail for S8** Including attachment connectors



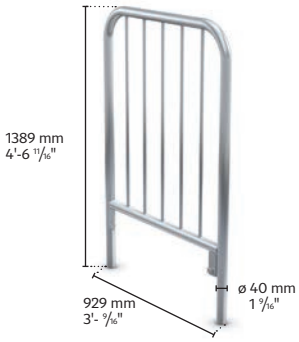
XS1GR|2000

Series	kg	lbs	
XS1	**6.50** (14.32)		**2000mm guard rail for S1** Including attachment connectors



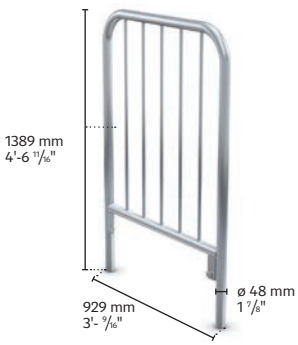
XS8GR|2000

Series	kg	lbs	
XS8	**6.50** (14.32)		**2000mm guard rail for S8** Including attachment connectors



XS1GRH|1000

Series	kg	lbs	
XS1	**6.90** (15.21)		**1000mm guard rail HD for S1** Including attachment connectors



XS8GRH|1000

Series	kg	lbs	
XS8	**6.90** (15.21)		**1000mm guard rail HD for S8** Including attachment connectors



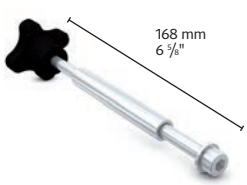
XS1GRH|2000

Series	kg	lbs	
XS1	**9.50** (20.94)		**2000mm guard rail HD for S1** Including attachment connectors



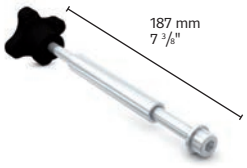
XS8GRH|2000

Series	kg	lbs	
XS8	**9.50** (20.94)		**2000mm guard rail HD for S8** Including attachment connectors



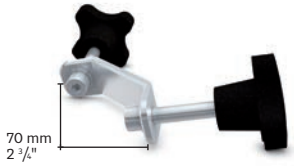
XS1GRC| STRAIGHT

Series	kg	lbs	
XS1	**0.25** (0.55)		**Guard rail connector for S1** For connection of neighbouring guard rails



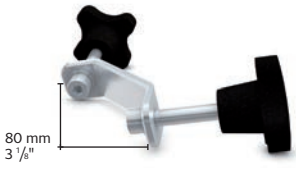
XS8GRC|STRAIGHT

Series	kg	lbs	
XS8	**0.25** (0.55)		**Guard rail connector for S8** For connection of neighbouring guard rails



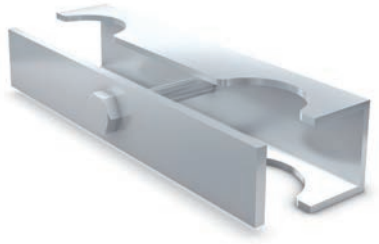
XS1GRC|CORNER

Series	kg	lbs	
XS1	**0.25** (0.55)		**Guard rail corner connector for S1**



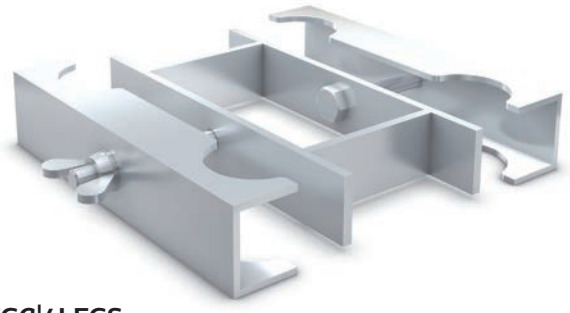
XS8GRC|CORNER

Series	kg	lbs	
XS8	**0.25** (0.55)		**Guard rail corner connector for S8** For connection of neighbouring guard rails in the corner



XS8LEGC|2LEGS

Series	kg	lbs	
XS8	**1.00** (2.20)		**Connector for legs/2 for S8**



XS8LEGC|4LEGS

Series	kg	lbs	
XS8	**2.3** (5.07)		**Connector for legs/4 for S8**



XS1CHAIRSTOP|1000

Series	kg	lbs	
XS1 XS8	**1.00** (2.20)		**1m of chair (flip) stop for S1/S8**



XS8CART-V

Series	kg	lbs	
XS1 XS8	**37.46** (81.55)		**Al transport cart - vertical position** Holds up to 6 pcs of S1 and 10 pcs of S8



XS8CART-H

Series	kg	lbs	
XS1 XS8	**58.00** (127.83)		**Transport cart - horizontal position** Holds up to pcs 5 stages for S1/S8/S8



XS1STAIRS-ADJ|600-1000

Series	kg	lbs	
XS1 XS8	**35.00** (77.14)		**Adjustable 600 - 1000mm stairs (23.62"-39.37")** Includes guard rails



XS1STAIRS-ADJ|1000-1500

Series	kg	lbs	
XS1 XS8	**46.00** (101.38)		**Adjustable 1000 - 1500mm stairs (39.37"-59.06")** Includes guard rails



XS1STAIRS|STEEL

Series	kg	lbs	
XS1 XS8	**42.00** (92.57)		**Stairs up to 1000mm-metal profile with wood** Wooden steps for S1/S8/S8 Each step 20cm, guard rails on request



XS8LTG

Series	kg	lbs	
XS1 XS8	**00.04** (00.09)		**Stone M10 for S1/S8** Connection element equipped with positioning Pins; used for fitting guard rails & staircases



XS8LTGC

Series	kg	lbs	
XS1	**0.02** (00.05)		**Plastic connector for XS8LTG**

Xstage S4

- Versatile node platform stage system
- Extended heights and multi-tier platforms possible using standard parts
- Tapered wedge brace connection for a rigid, tolerance-free assembly
- Indoor and outdoor surface finish options available



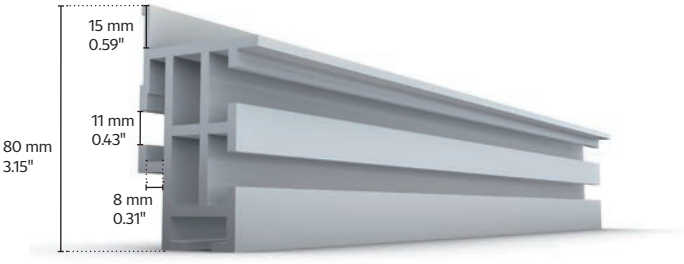
SPECIFICATIONS CHART

Xstage S4

code	deck size	height options	max. UDL*	top deck	total weight	storage height	deck material
XS4PLY	2000x1000 mm (78.74 x 39.37")	1000 - 2500 mm (39.37 - 98.43")	750 kg / m² (153.60 lbs / ft²)	22 mm (0.87")	38.00 kg (83.76 lbs)	200 mm (7.87")	Outdoor plywood
XS4PLX	2000x1000 mm (78.74 x 39.37")	1000 - 2500 mm (39.37 - 98.43")	750 kg / m² (153.60 lbs / ft²)	22 mm (0.87")	58.00 kg (127.84 lbs)	200 mm (7.87")	Plexiglass

Antislip plywood (outdoor use), deck colour may vary due to use of natural plywood, fenol coated

*UDL depends on brace distribution





XS4PROFILE

Series	kg/m lbs/ft	
XS4	**2.23** (0.68)	**S4 aluminium profile** High-tensile aluminium profile

XS4

Series	kg lbs	
XS4	**0.28** (0.62)	**Connecting element for S4 stage** Octagonal ring for wedge locking



XS4PLX

Series	
XS4	**S4 plexiglass top deck** Transparent surface, various colours available on request



XS4PLY

Series	
XS4	**S4 plywood surface & composite** Anti-slip plywood for outdoor use.



XS4LEG-GR

Series	kg	lbs	
XS4	**1.89**	(4.17)	**S4 adjustable leg system 500 mm (19.67")** Guard rail legs available from 2000 – 3500 mm (78.74" - 137.80"). 500mm (19.68") module



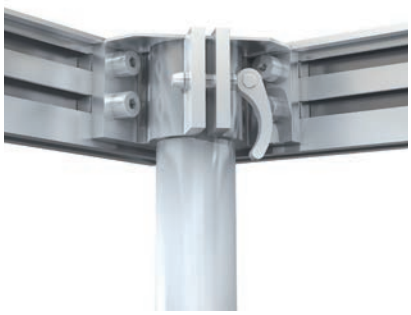
XS4LEG

Series	kg	lbs	
XS4	**1.89**	(4.17)	**S4 adjustable leg system 500 mm (19.67")** Legs available from 1000 – 2500 mm (39.37" - 98.43"). 500mm (19.68") module



XS4LEG-FOOT

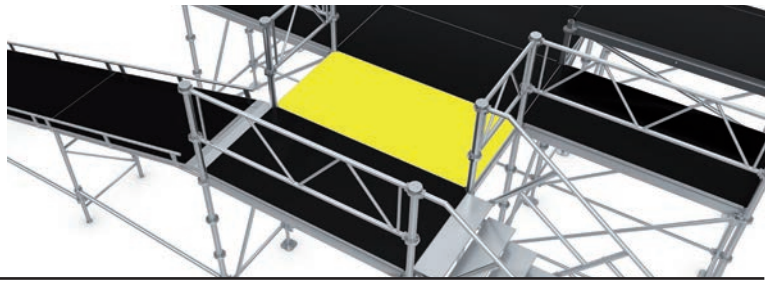
Series	kg	lbs	
XS4	**1.60**	(3.53)	**S4 adjustable foot** For stage levelling up to 400mm (15.75") height



XS4

Series	
XS4	**S4 Plug-in leg system-OPTIONAL USE** S4 deck also utilizes regular pipe-leg collars for versatile usage with 48 x 3 mm (1.89" x 0.12")

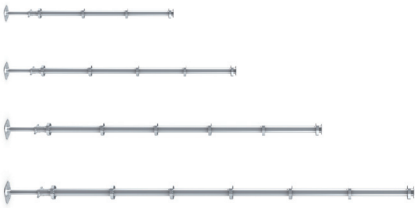


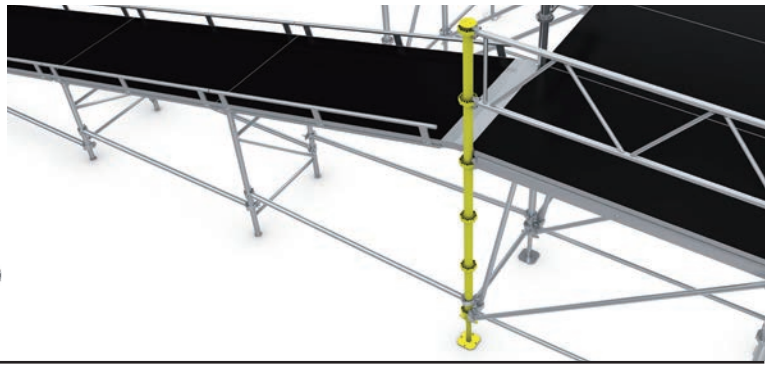


XS4PLY|2x1m

Series	kg	lbs	
XS4	**40.62**	(89.53)	**Xstage S4 for outdoor use 2x1m**





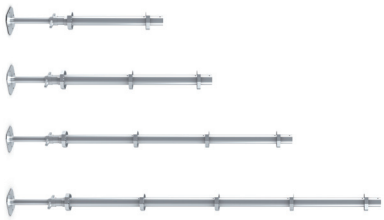


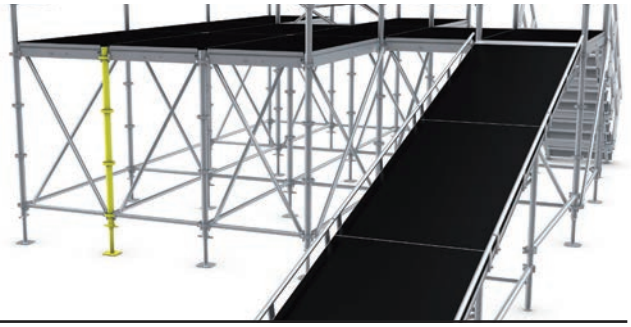
XS4LEG-GR

Code	kg	lbs	
XS4LEG-GR|2000	**8.96**	(19.75)	**60x5mm (2.36" x 0.20") tube leg with guard rail cap**
XS4LEG-GR|2500	**10.77**	(23.74)	

Code	kg	lbs	
XS4LEG-GR|3000	**12.59**	(27.74)	**60x5mm (2.36" x 0.20") tube leg with guard rail cap**
XS4LEG-GR|3500	**14.41**	(31.76)	



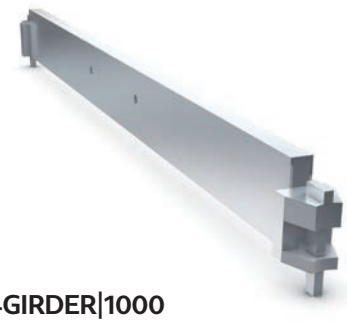




XS4LEG

Code	kg	lbs	
XS4LEG-D|1000	**5.07**	(11.17)	**60x5mm (2.36" x 0.20") tube leg**
XS4LEG-D|1500	**6.89**	(15.19)	

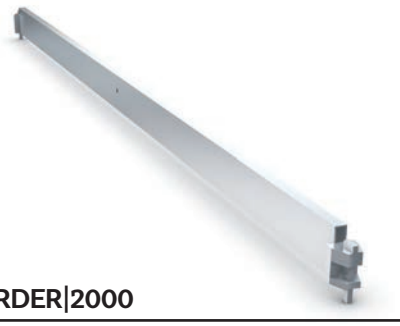
Code	kg	lbs	
XS4LEG-D|2000	**8.70**	(19.17)	**60x5mm (2.36" x 0.20") tube leg**
XS4LEG-D|2500	**10.51**	(23.16)	





XS4GIRDER|1000

Series	kg	lbs	
XS4	**1.38**	(3.04)	**S4 girder 1000mm (39.37")**





XS4GIRDER|2000

Series	kg	lbs	
XS4	**2.88** (6.34)		**S4 girder 2000mm (78.74")**

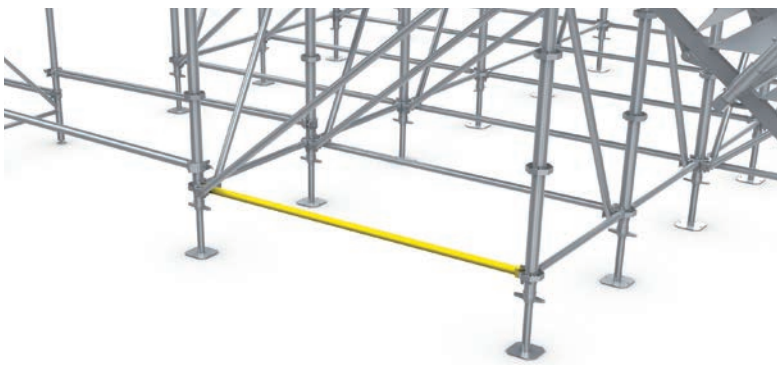




XS4BRACE-B|1000

Series	kg	lbs		
XS4	**00.97** (2.14)		**S4 brace 1000mm (39.37") straight**	40x2 tube (1.57"x 0.08")





XS4BRACE-B|2000

Series	kg	lbs		
XS4	**1.61** (3.55)		**S4 brace 2000mm (78.74") straight**	Tube 40x2mm (1.57"x 0.08")

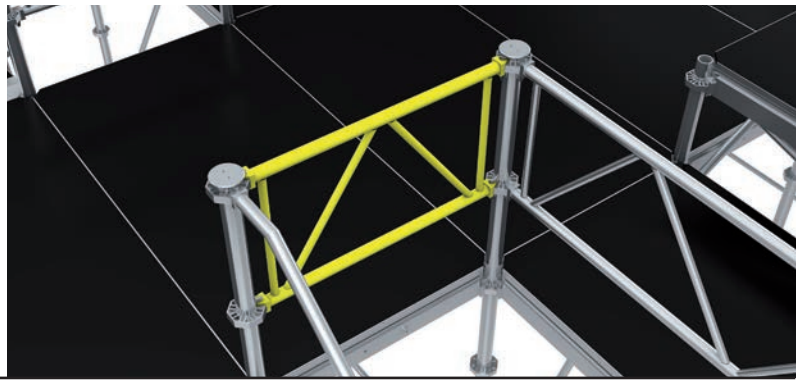




XS4BRACE

Code	kg	lbs	sloping brace; 40x2mm (1.57"x 0.08") tube
XS4BRACE-D|1000x500	**1.24** (2.73)		S4 sloping brace 1000 for fields 1x0.5m
XS4BRACE-D|1000X1000	**1.45** (3.20)		S4 sloping brace 1000 for fields 1x1m
XS4BRACE-D|1000X1500	**1.70** (3.75)		S4 sloping brace 1000 for fields 1x1.5m
XS4BRACE-D|2000X500	**1.84** (4.06)		S4 sloping brace 2000 for fields 2x0.5m
XS4BRACE-D|2000X1000	**1.96** (4.32)		S4 sloping brace 2000 for fields 2x1m
XS4BRACE-D|2000X1500	**2.14** (4.71)		S4 sloping brace 2000 for fields 2x1.5m

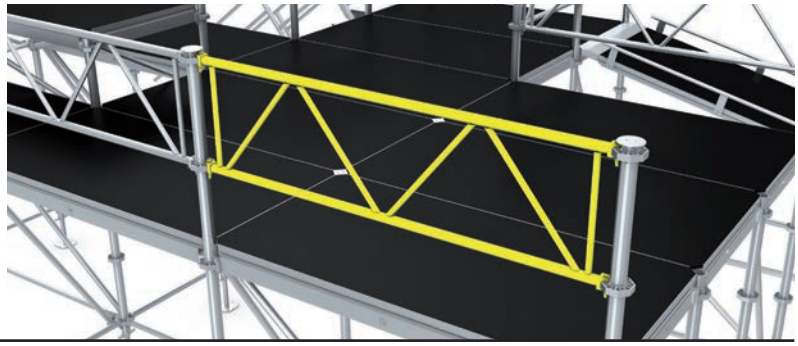




XS4GR|1000

Series	kg (lbs)		
XS4	**3.60** (7.93)	**S4 guard rail 1000mm (39.37")**	40x2mm tube (1.57"x 0.08")

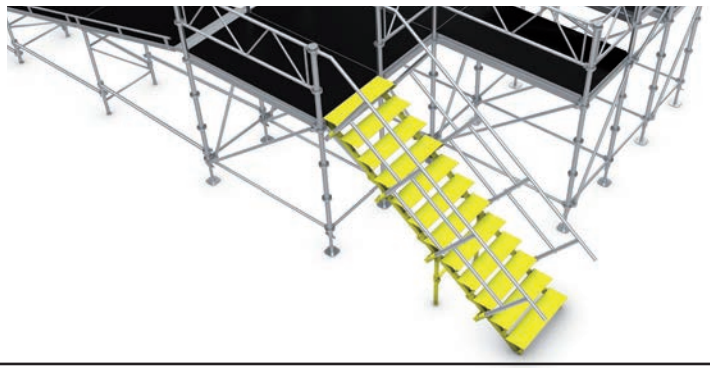




XS4GR|2000

Series	kg (lbs)		
XS4	**6.19** (13.64)	**S4 guard rail 2000mm (78.74")**	40x2mm tube (1.57"x 0.08")

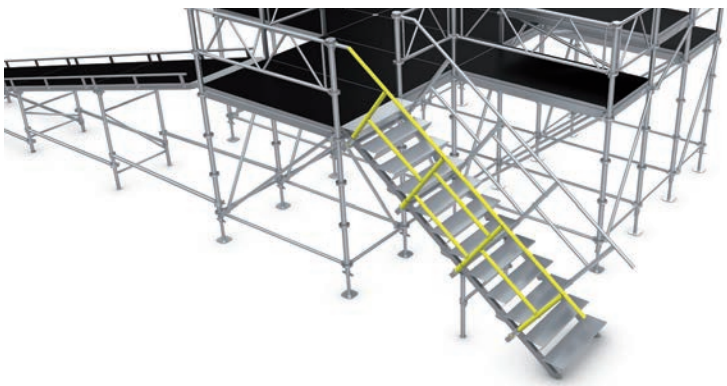




XS4STAIRS

Series	kg (lbs)	Staircase for S4	
XS4	**20.64** (45.49)	**XS4STAIRS-T**	S4 stairs-top
	20.89 (46.04)	**XS4STAIRS-M**	S4 stairs-middle
	20.64 (45.49)	**XS4STAIRS-B**	S4 stairs-bottom





XS4STAIRS-GR kg (lbs)

Series		Guard rail for S4 staircase	40x2mm tube (1.57"x 0.08")
XS4	**7.20** (15.87)	**XS4STAIRS-GR STAIRS-T**	S4 guard rail-top (one piece)
	5.89 (11.02)	**XS4STAIRS-GR STAIRS-M**	S4 guard rail-middle (one piece)
	4.26 (9.39)	**XS4STAIRS-GR STAIRS-B**	S4 guard rail-bottom (one piece)

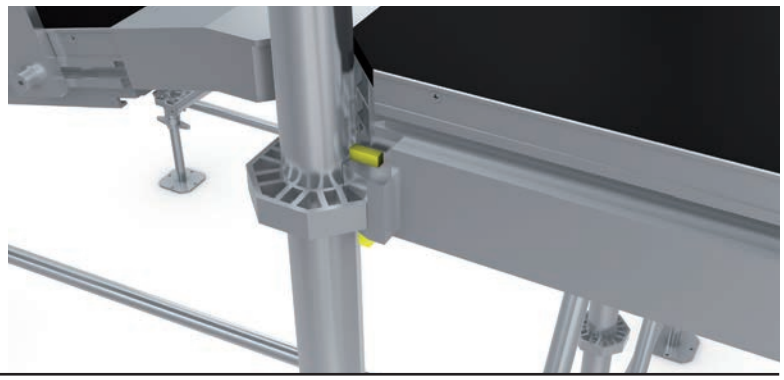




S4-RAMP

Series	kg	lbs		
XS4	**230.23** (507.43)	**S4 loading ramp 8m (26.25′), height up to 2 m (6.56′)**	consists of 4 S8 modules, includes braces and off-drive railing

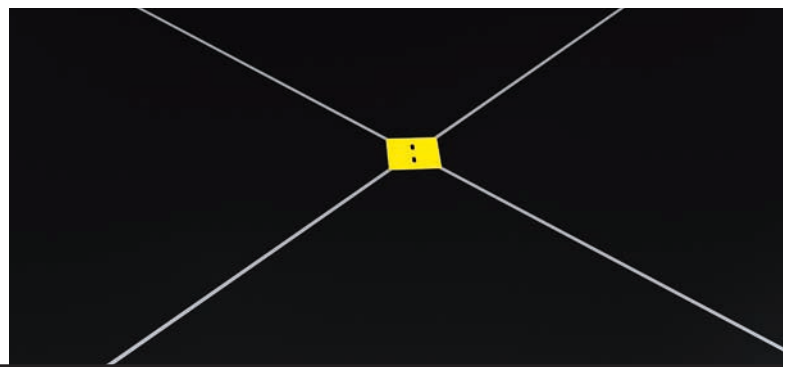




XS4PIN

Series	kg	lbs		
XS4	**0.10** (0.22)	**S4 pin (wedge)**	Connecting element

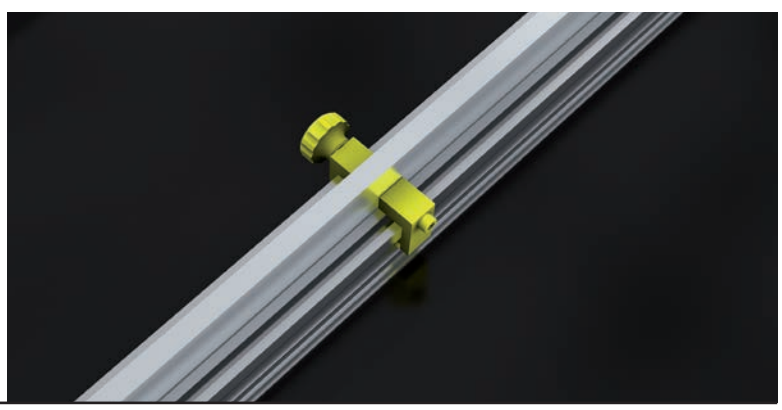




XS4LEG-CAP

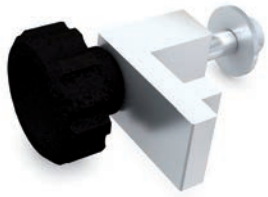
Series	kg	lbs	
XS4	**0.09** (0.19)	**S4 guard rail leg cap**





XS4C|INNER

Series	kg	lbs		
XS4	**0.31** (0.68)	**S4 inner connector**	For connecting two stage modules together

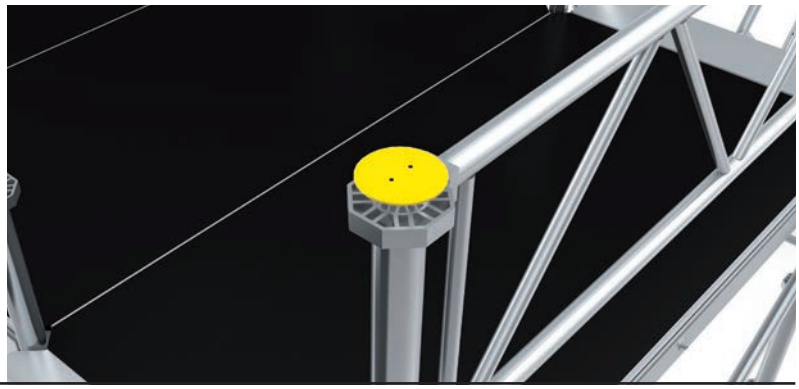




XS4C|OUTER

Series	kg	lbs		
XS4	**0.20** (0.44)		**S4 outer connector**	For connecting two stage modules together

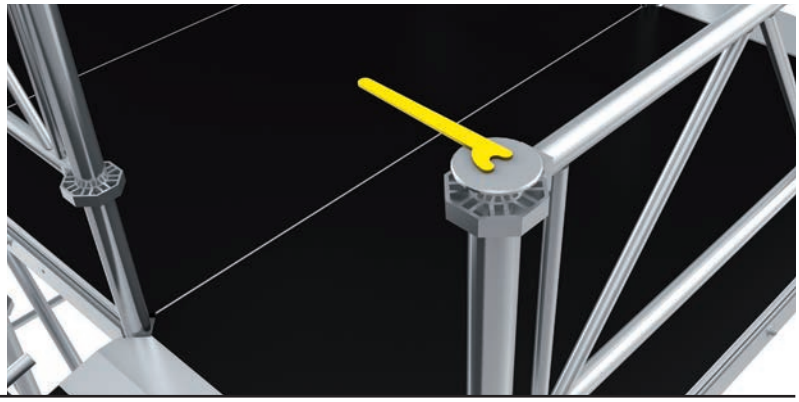




XS4LEG-COVER|STEEL

Series	kg	lbs	
XS4	**0.45** (0.99)		**S4 guard rail leg cap**

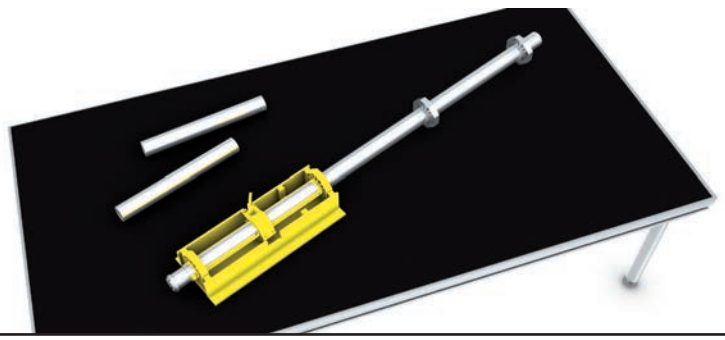




XS4LEG-KEY

Series	kg	lbs		
XS4	**0.09** (0.19)		**S4 key for tightening leg cap**	x





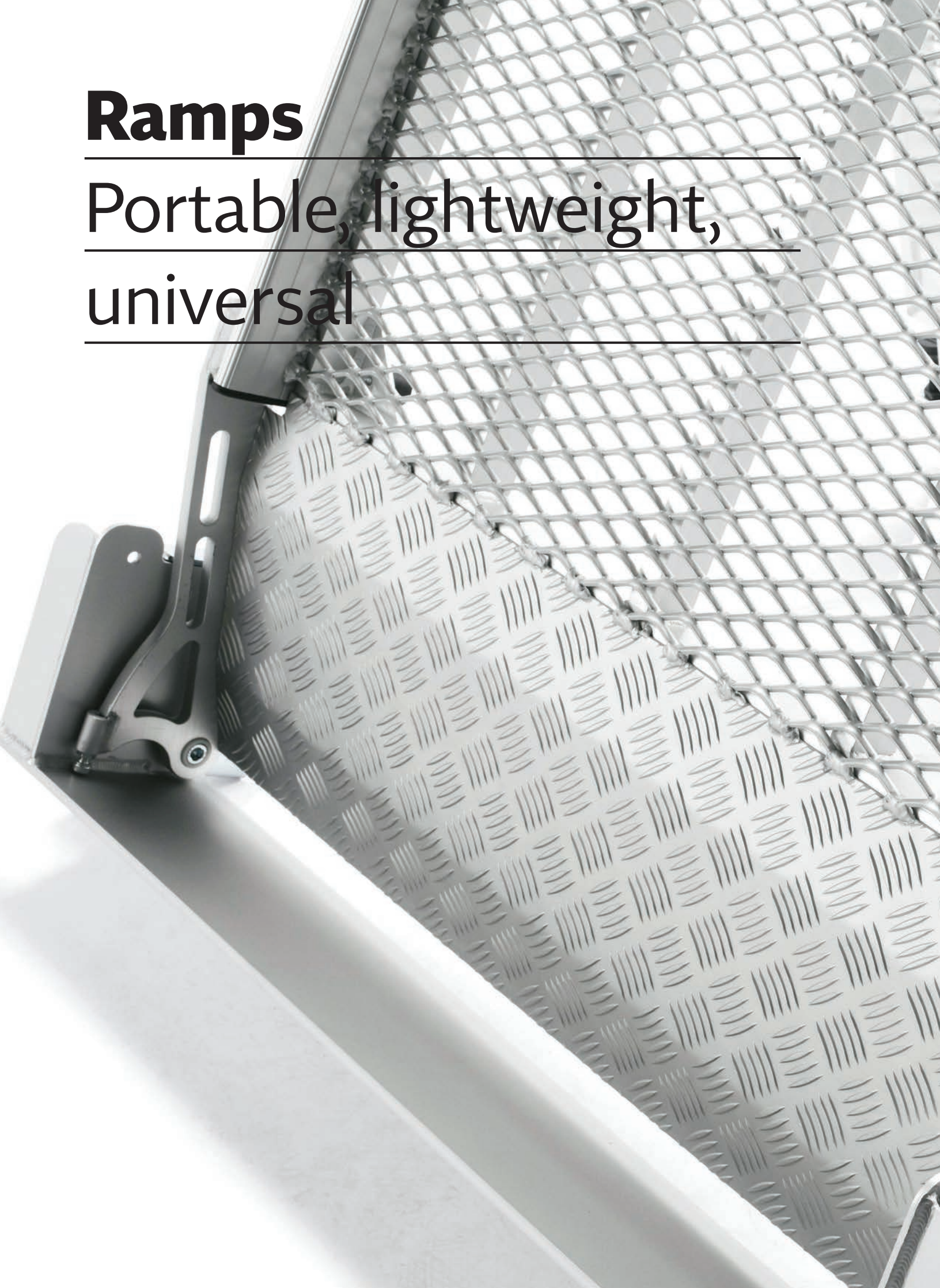
XS4LEG-TOOL

Series	kg	lbs	
XS4	**8.00** (17.63)		**S4 leg mounting bracket for quick leg release**



Ramps

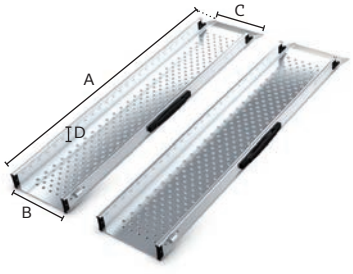
Portable, lightweight, universal

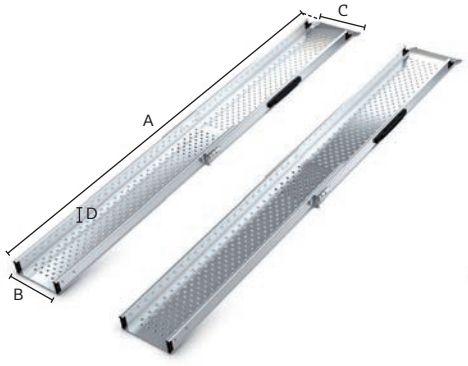




OV10, 11, 12, 13
Telescopic and foldable ramps

- Lightweight, telescopic and foldable loading ramp series
- Loading capacity up to 500 kg (1102 lbs)
- Maximum extended length up to 2900 mm (114.17")
- Anodized anti-slip surface
- Quick & simple operation







OV10 Telescopic ramps

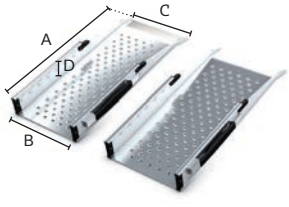
Code	Description	Electric wheelchair use
OV10E-1-1180	Ramp - 1 piece	NO
OV10E-2-2040	Telescopic ramp - 2 pieces	NO
OV10E-3-2900	Telescopic ramp - 3 pieces	NO

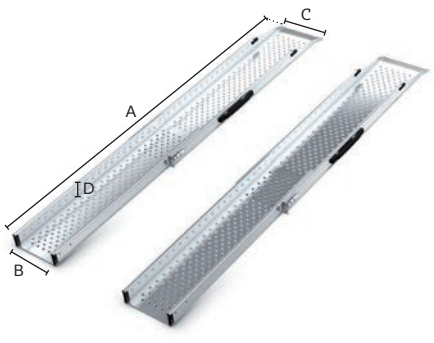
Technical specifications

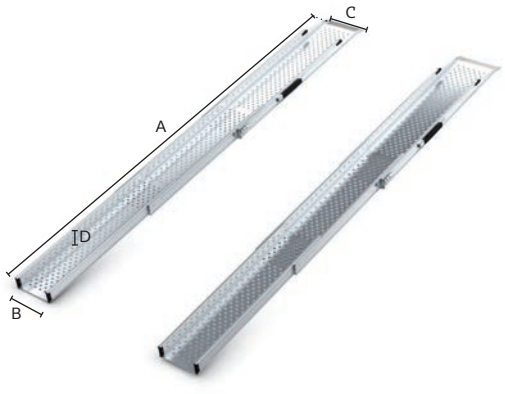
mm / in

Minimum length		Maximum length A		Internal width B		External width C		Side height D		Recommended height (13°)		Loading capacity (SWL*) pair		Weight per piece kg	lbs
1180	(46.46)	1180	(46.46)	210	(8.27)	236	(9.29)	60	(2.36)	200	(7.87)	500	(1102.10)	3.4	(7.49)
1180	(46.46)	2040	(80.31)	190	(7.48)	236	(9.29)	60	(2.36)	400	(15.75)	320	(705.34)	6.4	(14.11)
1180	(46.46)	2900	(114.17)	170	(6.69)	236	(9.29)	60	(2.36)	600	(23.62)	260	(573.09)	9.0	(19.84)

*SWL calculated for 500mm wheelbase







OV11 Telescopic ramps

Code	Description	Electric wheelchair use
OV11E-1-550	Ramp - 1 piece	YES
OV11E-1-1150	Ramp - 1 piece	YES
OV11E-2-1840	Telescopic ramp - 2 pieces	YES
OV11E-3-2530	Telescopic ramp - 3 pieces	YES

Technical specifications

mm / in

Minimum length		Maximum length A		Internal width B		External width C		Side height D		Recommended height (13°)		Loading capacity (SWL*) pair		Weight per piece kg	lbs
550	(21.65)	550	(21.65)	210	(8.27)	236	(9.29)	60	(2.36)	100	(3.941)	540	(1190.27)	1.6	(3.53)
1150	(45.28)	1150	(45.28)	210	(8.27)	236	(9.29)	60	(2.36)	200	(7.87)	500	(1102.10)	3.5	(7.71)
1150	(45.28)	1840	(72.44)	190	(7.48)	236	(9.29)	60	(2.36)	400	(15.75)	360	(793.51)	6.5	(14.33)
1150	(45.28)	2530	(99.61)	170	(6.69)	236	(9.29)	60	(2.36)	600	(23.62)	280	(617.18)	8.7	(19.18)

*SWL calculated for 500mm wheelbase



OV12 Telescopic ramps

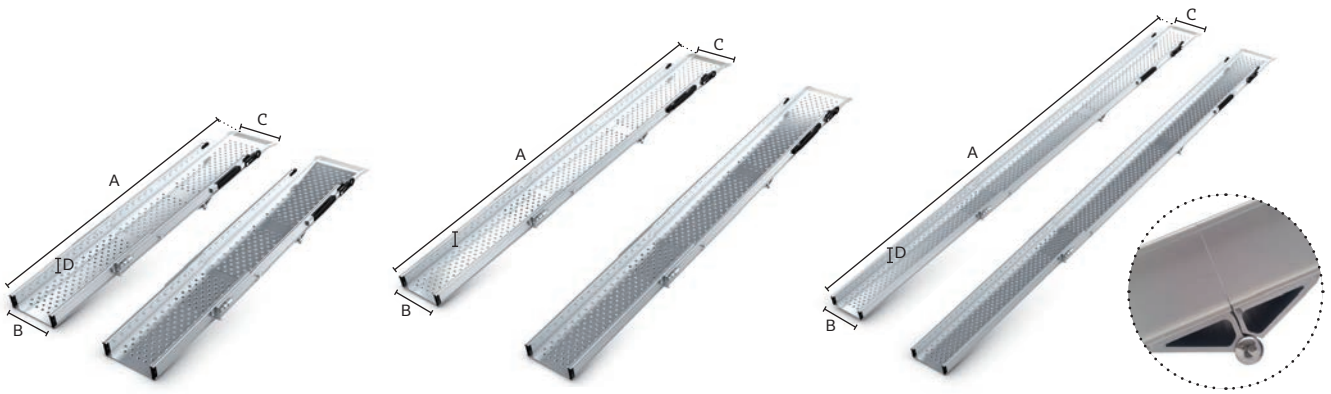
Code	Description	Electric wheelchair use
OV12E-1100	Foldable - 2 pieces	YES
OV12E-1540	Foldable - 2 pieces	YES
OV12E-2300	Foldable - 2 pieces	YES

Technical specifications

mm / in

Minimum length		Maximum length A		Internal width B		External width C		Side height D		Recommended height (13°)		Loading capacity (SWL*) pair		Weight per piece kg	lbs
550	(21.65)	**1100**	(43.31)	**210**	(8.27)	**236**	(9.29)	**60**	(2.36)	**200**	(7.87)	**440**	(969.85)	**4.3**	(9.48)
770	(30.31)	**1540**	(60.63)	**210**	(8.27)	**236**	(9.29)	**60**	(2.36)	**300**	(11.81)	**400**	(881.68)	**5.3**	(11.68)
1150	(45.28)	**2300**	(90.55)	**210**	(8.27)	**236**	(9.29)	**60**	(2.36)	**500**	(19.69)	**300**	(661.26)	**7.8**	(17.19)

*SWL calculated for 500mm wheelbase



OV13 Telescopic ramps

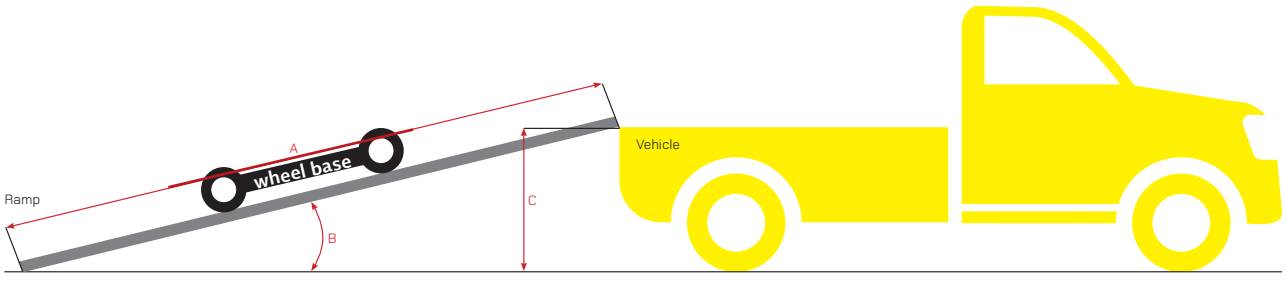
Code	Description	Electric wheelchair use
OV13E-1440	Foldable and telescopic - 3 pieces	YES
OV13E-2100	Foldable and telescopic - 3 pieces	YES
OV13E-3240	Foldable and telescopic - 3 pieces	YES

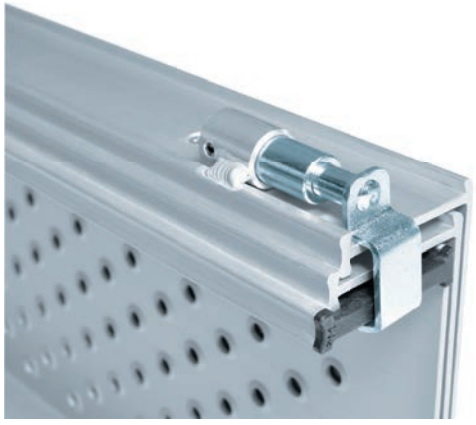
Technical specifications

mm / in

Minimum length		Maximum length A		Internal width B		External width C		Side height D		Recommended height (13°)		Loading capacity (SWL*) pair		Weight per piece kg	lbs
550	(21.65)	**1440**	(56.69)	**190**	(7.48)	**236**	(9.29)	**60**	(2.36)	**300**	(11.81)	**400**	(881.68)	**5.6**	(12.34)
770	(30.31)	**2100**	(82.68)	**190**	(7.48)	**236**	(9.29)	**60**	(2.36)	**500**	(19.69)	**320**	(705.34)	**7.8**	(17.19)
1150	(45.28)	**3240**	(127.56)	**190**	(7.48)	**236**	(9.29)	**60**	(2.36)	**800**	(31.50)	**220**	(484.92)	**11.0**	(24.25)

*SWL calculated for 500mm wheelbase





OV10,11,13

Smart locking system
Spring loaded pin with zinc-chrome plated hook to secure the telescopic ramp



OV10,11,12,13

Comfort handling bar
Ergonomic handling bar for easy manipulation



Regular cut
OV10

Chamfered cut
OV11, 12, 13

OV10,11,12,13

Regular or chamfered cuts
Regular cut design for manual wheelchair use.
chamfered cut design for electric (low profile)
wheelchair use



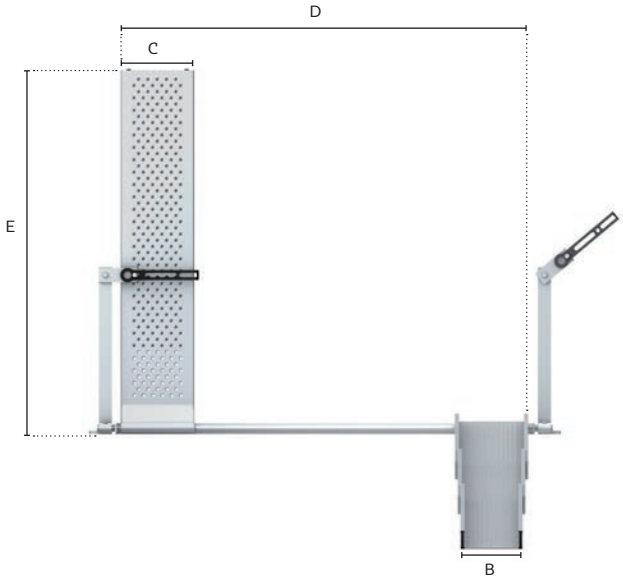
OV10,11,12,13

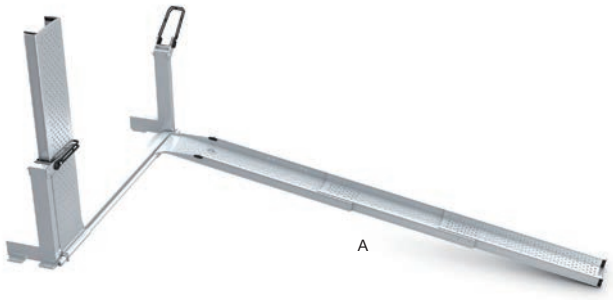
Friction and scratch protective rubber pad
Available for both regular and chamfered (low profile wheel) cut designs



OV14 ramps

- Lightweight loading ramp series
- Loading capacity SWL 280 kg (617.20 lbs) for 500 mm wheelbase (19.68")
- Maximum length up to 2530 mm (99.61")
- Anodized anti-slip surface
- Quick & simple operation





RA14 RAMPS

Code	Description
OV14	Fixed adjustable telescopic ramp

Technical specifications

mm / in

Length A		Internal width B		External width C		Mounting depth D		Height folded E		Mounting height F		Weight kg	Weight lbs
2550	(100.39)	**170**	(6.69)	**236**	(9.29)	**1200**	(47.24)	**1178**	(46.38)	**450 (11°)** **600 (15°)**	(17.72) (23.62)	**36**	(79.35)

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



OV14

Telescopic design
Retractable design for easy handling and compact storage



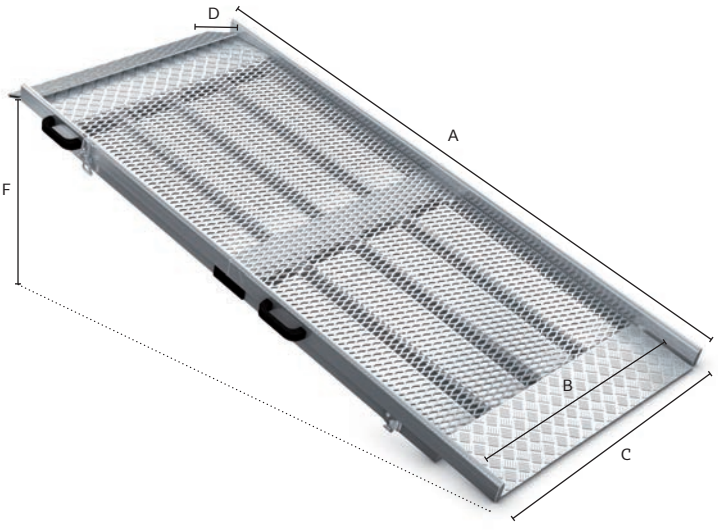
OV14

Positioning hinge bar
Adjustable positioning of the ramp within hinge bar, chamfered design for electric wheelchair use.



RA01 folding ramps

- Simple use
- Anodized
- Lightweight
- Loading capacity of SWL 400 kg (881.68 lbs) for 500 mm wheelbase (19.68")
- Length up to 2740mm (107.87")
- 600mm, 800mm, 1000mm widths (23.62", 31.50", 39.37")
- Anti-slip surface





RA01 RAMPS

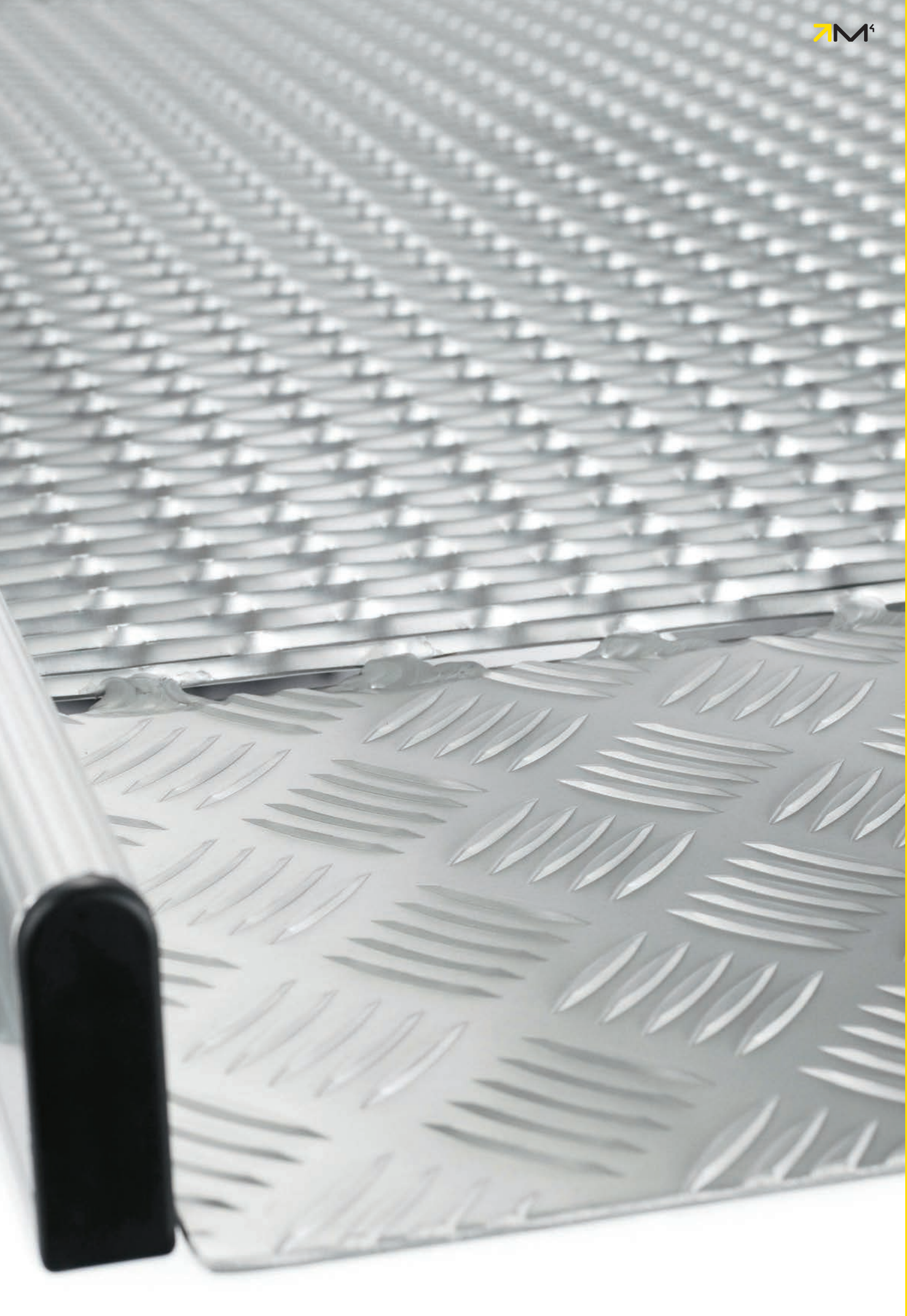
Code	Description
RA01-450x600	Folding and compact
RA01-405x800	Folding and compact
RA01-450x800	Folding and compact
RA01-550x800	Folding and compact
	Folding and compact

Technical specifications

mm / in

Length A		Internal width B		External width C		Mounting depth D		Height folded E		Mounting height G min and max usable sloping angle *		Weight kg	Weight lbs
2243	(88.31)	**600**	(23.62)	**685**	(26.97)	**100**	(3.94)	**1180**	(46.46)	**380(11°)** **800(22°)**	14.94 (11°) 31.50 (22°)	**21**	(46.29)
2023	(79.65)	**800**	(31.50)	**885**	(34.84)	**100**	(3.94)	**1070**	(42.13)	**350 (11°)** **750 (23°)**	13.78 (11°) 29.53 (23°)	**21**	(46.29)
2243	(88.31)	**800**	(31.50)	**885**	(34.84)	**100**	(3.94)	**1180**	(46.46)	**380 (11°)** **800 (22°)**	14.96 (11°) 31.50 (22°)	**23**	(50.70)
2743	(107.99)	**800**	(31.50)	**885**	(34.84)	**100**	(3.94)	**1430**	(56.30)	**470 (11°)** **900 (20°)**	18.50 (11°) 35.43 (20°)	**28**	(61.72)
2743	(107.99)	**1000**	(39.37)	**1085**	(42.72)	**100**	(3.94)	**1430**	(56.30)	**470 (11°)** **900 (20°)**	18.50 (11°) 35.43 (20°)	**32**	(70.53)

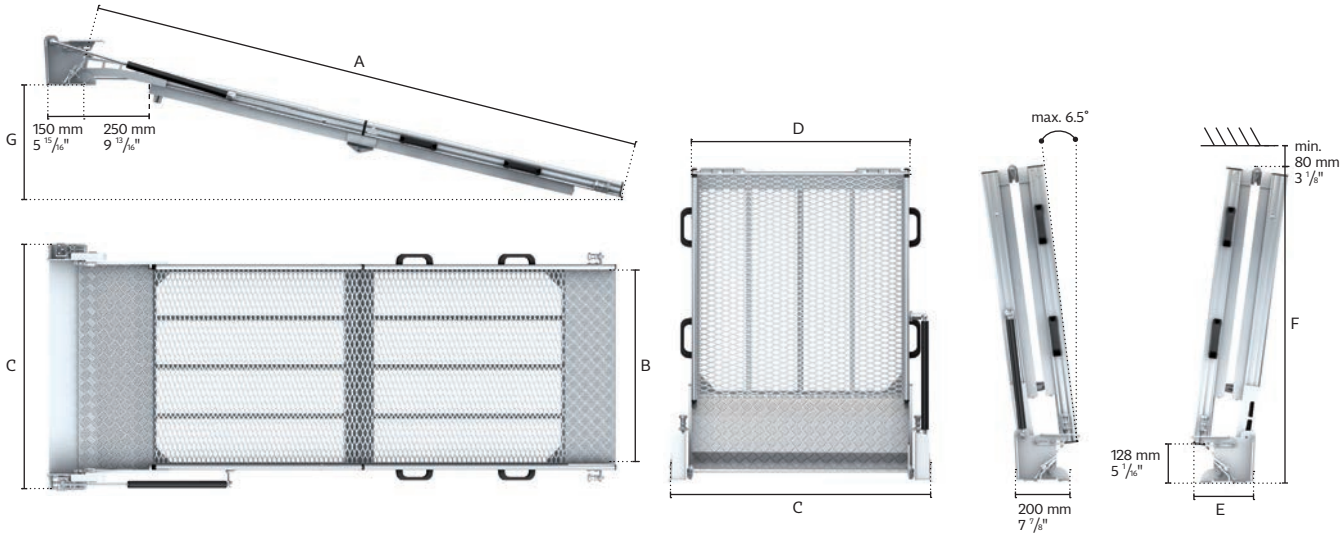
* Foldable ramp can be installed in a wide range of vehicles. Contact one of our Design Centres for specific technical details.



Portable, lightweight, universal

RA10, 11, 12, 20, 30, 40
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
- Optional turning adapter for 10/11/12/20 types
- Front and side crash test at 20G Conformity with EN 1789/A2



*suitable for cars with raised bumper

RA10 RAMPS

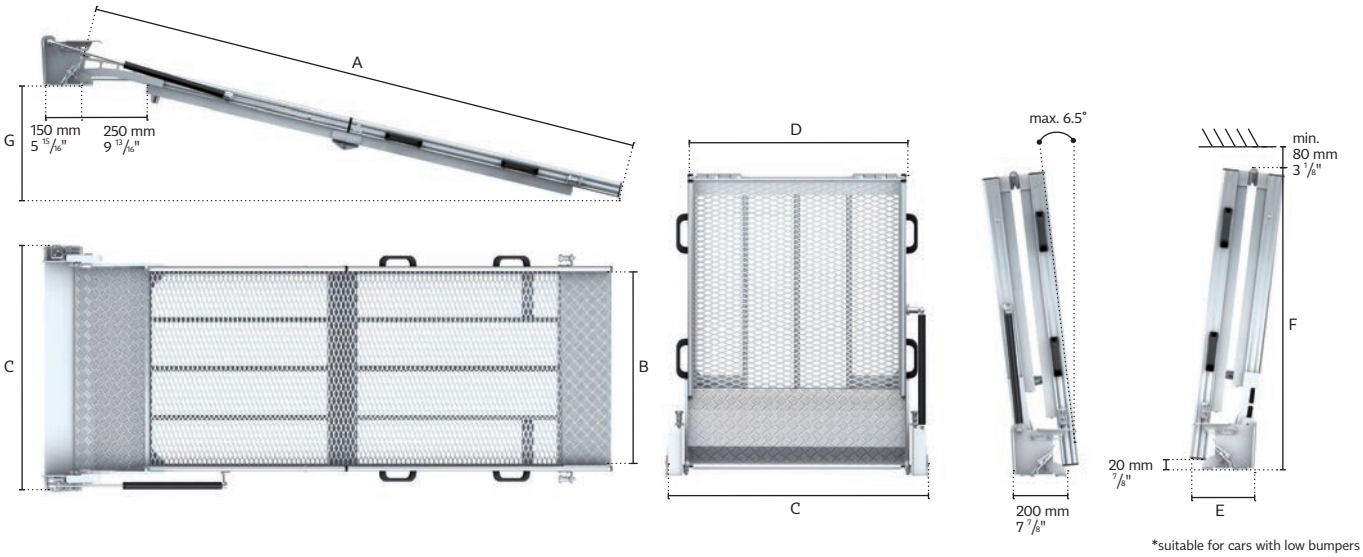
Code	Description
RA10-405x800	Folding - 2 pieces
RA10-405x1000	Folding - 2 pieces
RA10-450x600	Folding - 2 pieces
RA10-450x800	Folding - 2 pieces
RA10-450x1000	Folding - 2 pieces
RA10-550x600	Folding - 2 pieces
RA10-550x800	Folding - 2 pieces
RA10-550x1000	Folding - 2 pieces

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.



*suitable for cars with low bumpers

RA11 RAMPS

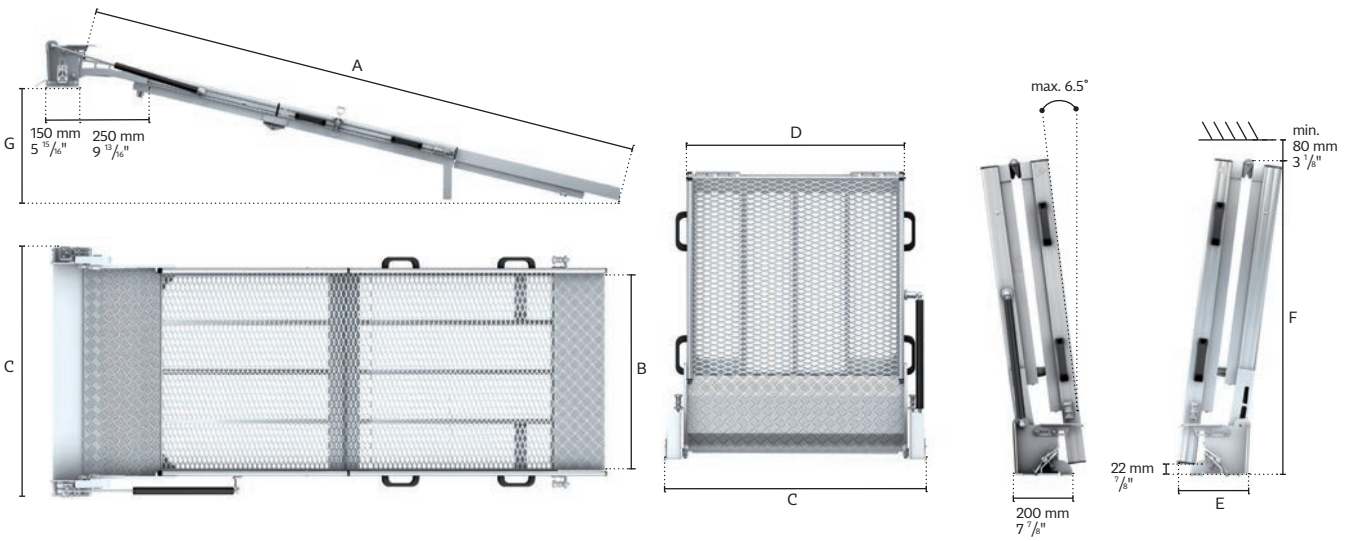
Code	Description
RA11-450x800	Folding - 2 pieces
RA11-450x1000	Folding - 2 pieces
RA11-550x800	Folding - 2 pieces
RA11-550x1000	Folding - 2 pieces

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
2258 (88.90)	**800** (31.50)	**1005** (39.57)	**840** (33.07)	**255** (10.04)	**1166** (45.91)	**350 (11°)** 13.78 (11°) **600 (18°)** 23.62 (18°)	**30** (66.13)
2258 (88.90)	**1000** (39.37)	**1205** (47.44)	**1040** (40.94)	**255** (10.04)	**1166** (45.91)	**350 (11°)** 13.78 (11°) **600 (18°)** 23.62 (18°)	**37.5** (82.66)
2760 (108.66)	**800** (31.50)	**1005** (39.57)	**840** (33.07)	**255** (10.04)	**1423** (56.02)	**450 (11°)** 17.72 (11°) **750 (18°)** 29.53 (18°)	**35.5** (78.25)
2760 (108.66)	**1000** (39.37)	**1205** (47.44)	**1040** (40.94)	**255** (10.04)	**1423** (56.02)	**450 (11°)** 17.72 (11°) **750 (18°)** 29.53 (18°)	**39** (85.96)

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



*suitable for cars with raised bumpers

RA12 RAMPS

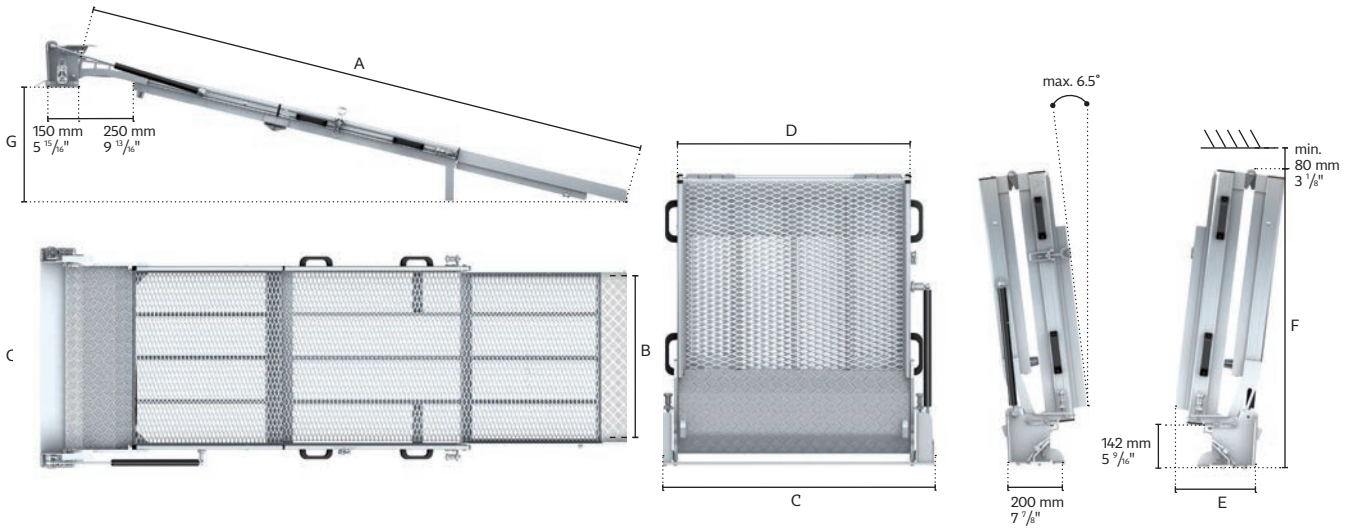
Code	Description
RA12-450x800	Folding - 2 pieces
RA12-450x1000	Folding - 2 pieces
RA12-550x800	Folding - 2 pieces
RA12-550x1000	Folding - 2 pieces

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
2158 (84.96)	**800** (31.50)	**1005** (39.57)	**840** (33.07)	**255** (10.04)	**1117** (43.98)	**350 (11°)** 13.78 (11°) **600 (18°)** 23.62 (18°)	**30** (66.13)
2158 (84.96)	**1000** (39.37)	**1205** (47.44)	**1040** (40.94)	**255** (10.04)	**1117** (43.98)	**350 (11°)** 13.78 (11°) **600 (18°)** 23.62 (18°)	**37** (81.56)
2660 (104.72)	**800** (31.50)	**1005** (39.57)	**840** (33.07)	**255** (10.04)	**1373** (54.06)	**450 (11°)** 17.72 (11°) **750 (18°)** 29.53 (18°)	**34** (74.94)
2660 (104.72)	**1000** (39.37)	**1205** (47.44)	**1040** (40.94)	**255** (10.04)	**1373** (54.06)	**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.



*suitable for cars with raised bumpers

RA20 RAMPS

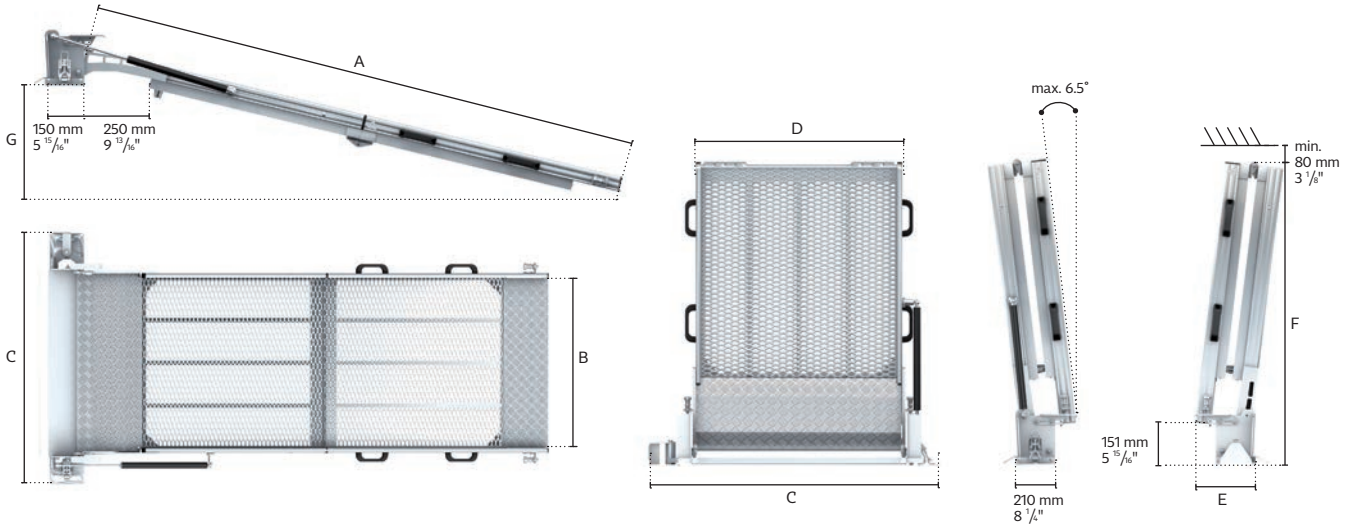
Code	Description
RA20-550x800	Folding - 3 pieces

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
2750	(108.27)	800	(31.50)	1005	(39.57)	840	(33.07)	310	(12.20)	1052	(41.42)	**450 (11°-13°)** **700 (18°)**	17.72 (11°-13°) 27.56 (18°)	**36**	(79.35)

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



*suitable for cars with raised bumpers

RA30 RAMPS

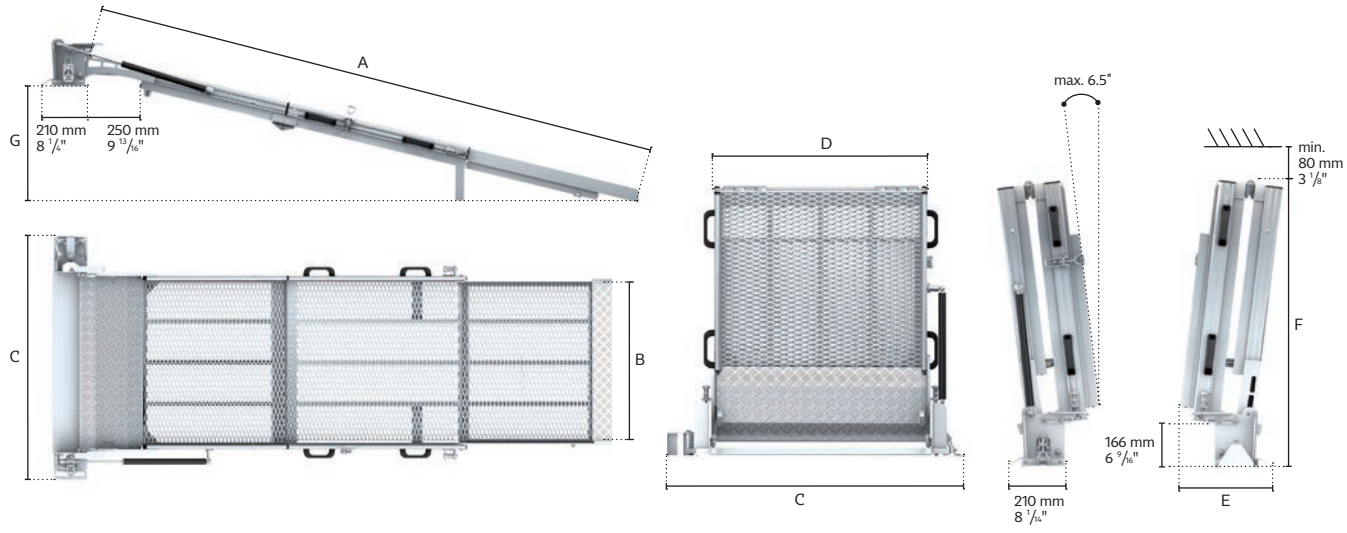
Code	Description
RA30-450x800	Folding and swiveling - 2 pieces
RA30-450x1000	Folding and swiveling - 2 pieces

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
2255	(88.78)	**800**	(31.50)	**1180**	(46.46)	**840**	(33.07)	**306**	(12.05)	**1246**	(49.06)	**350 (11°)** **600 (18°)**	13.78 (11°) 23.62 (18°)	**32**	(79.35)
2255	(88.78)	**1000**	(39.37)	**1380**	(54.33)	**1040**	(40.94)	**306**	(12.05)	**1246**	(49.06)	**350 (11°)** **600 (18°)**	13.78 (11°) 23.62 (18°)	**39**	(85.96)

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



*suitable for cars with raised bumpers

RA40 RAMPS

Code	Description
RA40-550x800	Folding and swiveling - 3 pieces
RA40-550x1000	Folding and swiveling - 3 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	Weight lbs
2750	(108.27)	**800**	(31.50)	**1180**	(46.46)	**840**	(33.07)	**355**	(13.98)	**1076**	(42.36)	**450 (11°-13°)**	17.72 (11°-13°)	**37**	(81.56)
												700 (18°)	27.56 (18°)		
2750	(108.27)	**1000**	(39.37)	**1380**	(54.33)	**1040**	(40.94)	**355**	(13.98)	**1076**	(42.36)	**450 (11°-13°)**	17.72 (11°-13°)	**43**	(94.78)
												700 (18°)	27.56 (18°)		

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

EXTENDABLE & REMOVABLE





RA 10, 11, 12, 20, 30, 40

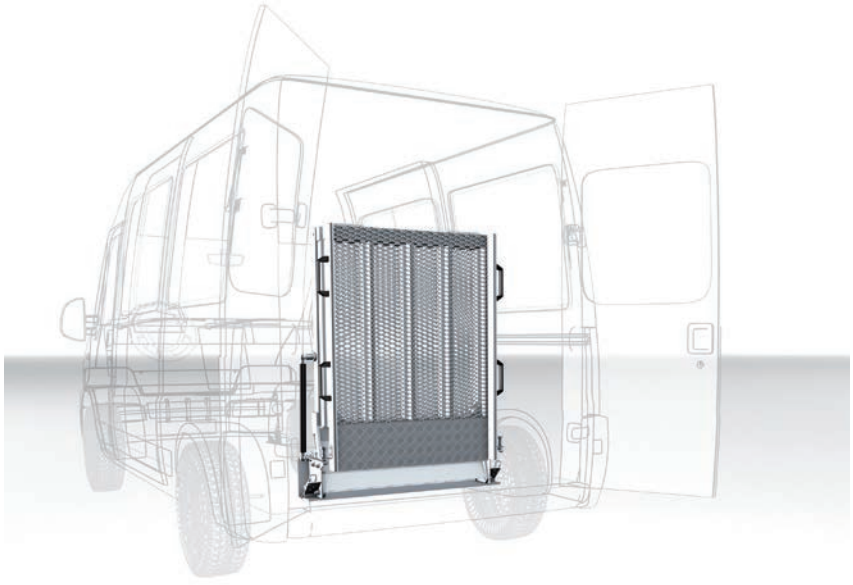
Gas piston
For easy ramp handling and operation

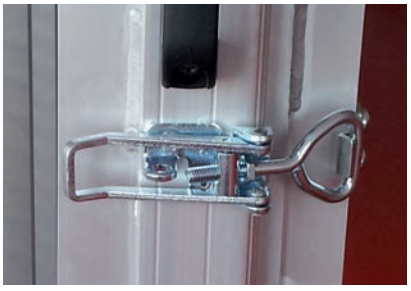


RA 10, 11, 12, 20

Quick attach mechanism
Allows mounting/demounting the ramp into/from the van's floor

FOLDABLE





RA 20, 40

Lock for 3rd piece on RA20,40



RA 10, 11, 12, 20, 30, 40

Spring lock

SWIVELING





RA 30, 40

Swiveling mechanism
Swiveling ramp platform for free access while ramp is still mounted inside



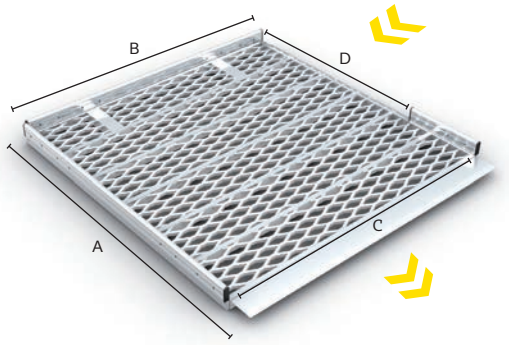
RA 10, 11, 12, 20

RA10 swivel adapter
allows the ramp to swivel inside the car. Available for widths 600, 800, 1000mm.



RAM ramps for buildings

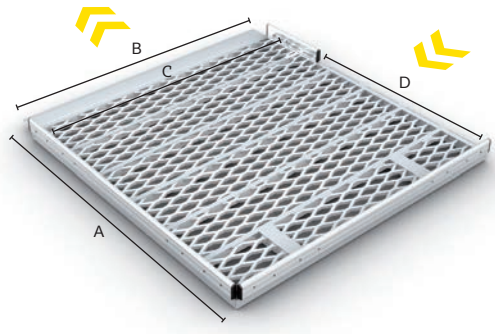
- Simple assembly
- Anodized
- Lightweight
- Loading capacity SWL 400kg (881.68 lbs)
- Width 900mm, 1200mm (35.43", 47.24")
- Anti slip open surface
- Protective 50 mm rim on sides



Flat landing

Code		A	B	C	D	Weight
RAM90-1250x1250 (90°)HL	mm	2255	800	1180	840	32
	in	(88.78)	(31.50)	(46.46)	(33.07)	(79.35)

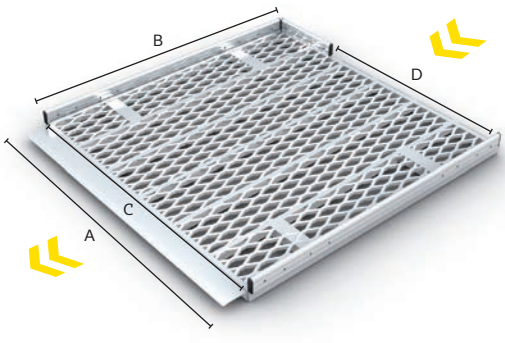
90° left-turn end landing
Used at the top end of the ramp set connectable directly to the building on the exit side, anodized surface



Flat landing

Code		A	B	C	D	Weight
RAM90-1250x1250 (90°)HP	mm	1380	1321	1250	920	19.9
	in	(54.33")	(52.00")	(49.21")	(36.22")	(43.86)

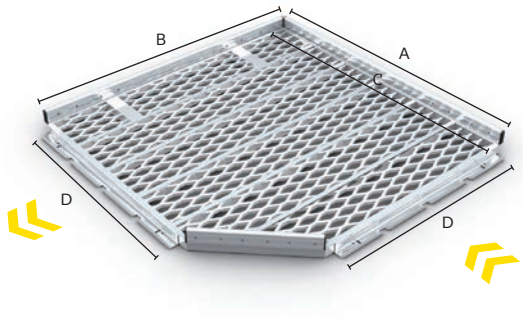
90° right-turn end landing
Used at the top end of the ramp set connectable directly to the building on the exit side, anodized surface



Flat landing

Code		A	B	C	D	Weight
RAM90-1250x1250H	mm	1290	1411	1250	920	20
	in	(50.79")	(55.55")	(49.21")	(36.22")	(43.86)

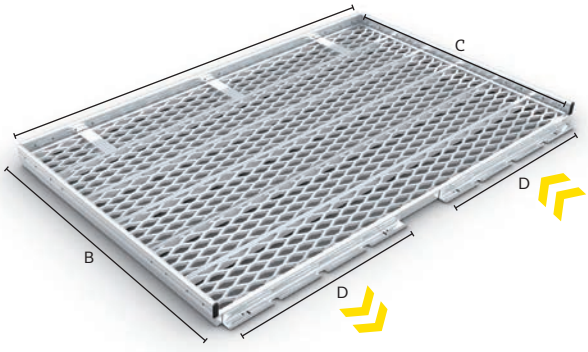
180° straight end landing
Used at the top part of the ramp, connects directly to the exit of the building, anodized surface



Flat landing

Code		A	B	C	D	Weight
RAM90-1250x1250 (90°)	mm	1321	1321	1250	920	19.9
	in	(52.00")	(52.00")	(49.21")	(36.22")	(43.86)

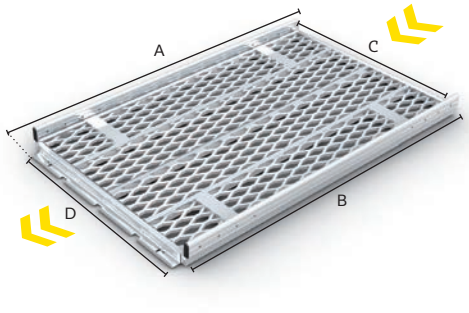
90° turning landing
Used to connect ramp from both sides, anodized surface



U–Flat landing

Code		A	B	C	D	Weight
RAM90-2000x1250 (180°)	mm / in	2040 (80.31")	1321 (52.00")	1250 (49.21")	920 (36.22")	29.4 (64.80)

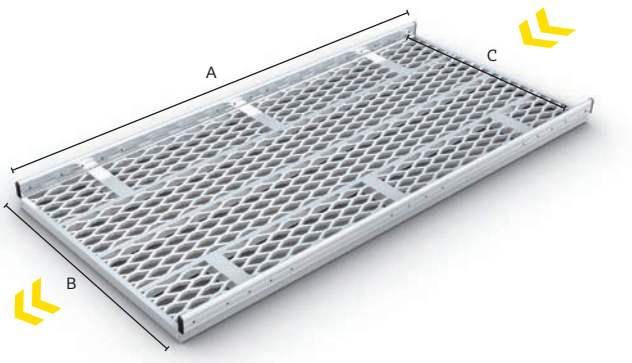
180° U-shaped flat landing
Used to connect ramp from both sides, in U-turn shape, anodized surface



2x1–Flat landing

Code		A	B	C	D	Weight
RAM90-1500x900	mm / in	1582 (62.28")	1500 (59.06")	900 (35.43")	940 (37.01")	18.7 (41.22)

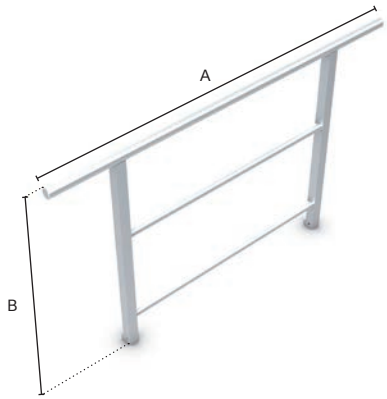
180° straight end landing
Used to connect ramp from both sides, anodized surface



Sloping ramps

Code		A		B		C		Weight	
RAM90-500	mm / in	500	(19.69)	940.0	(37.01)	900.0	(35.43)	6.2	(13.67)
RAM90-1000		1000	(39.37)	940.0	(37.01)	900.0	(35.43)	10.6	(23.36)
RAM90-1250		1250	(49.21)	940.0	(37.01)	900.0	(35.43)	12.8	(28.21)
RAM90-1500		1500	(59.06)	940.0	(37.01)	900.0	(35.43)	15.0	(33.06)
RAM90-2000		2000	(78.74)	940.0	(37.01)	900.0	(35.43)	19.8	(43.64)
RAM90-2500		2500	(98.43)	940.0	(37.01)	900.0	(35.43)	24.2	(53.34)
RAM90-3000		3000	(118.11)	940.0	(37.01)	900.0	(35.43)	28.6	(63.04)

180° straight ramp. To be used with a max. 6% angle (3.4°)
Used to connect to another ramp or landing from both sides, anodized surface



Guard rails

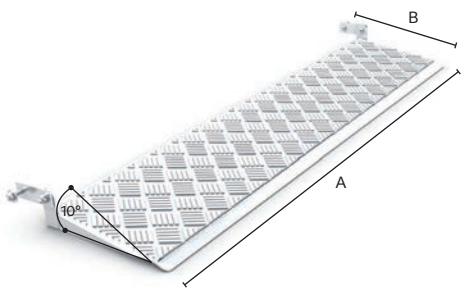
Code		A		B		Weight	
RAM-RAILING-350	mm / in	350.0	(13.78)	900	(35.43)	3.1	(6.83)
RAM-RAILING-430		430.0	(16.93)	900	(35.43)	3.3	(7.27)
RAM-RAILING-500		500.0	(19.69)	900	(35.43)	3.8	(8.38)
RAM-RAILING-1000		1000.0	(39.37)	900	(35.43)	4.8	(10.58)
RAM-RAILING-1250		1250.0	(49.21)	900	(35.43)	5.1	(11.15)
RAM-RAILING-1500		1500.0	(59.06)	900	(35.43)	5.5	(12.01)
RAM-RAILING-2000		2000.0	(78.74)	900	(35.43)	6.5	(14.33)
RAM-RAILING-2500		2500.0	(98.43)	900	(35.43)	7.2	(15.87)
RAM-RAILING-2630		2630.0	(103.54)	900	(35.43)	7.4	(16.31)
RAM-RAILING-3000		3000.0	(118.11)	900	(35.43)	7.9	(17.41)

Guard rails that attach to any landing or ramp
Connection material included, round endings of guard-rails available on request



RAM rail CAP part 180°

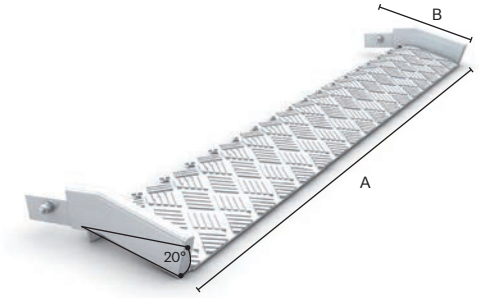
Series	kg / lbs	
	0.5 (1.10)	Guard rail cap - oval



RAM90 -BOTTOM SECTION

Code		A		B		Weight	
RAM90-BP	mm / in	900	(35.43)	265	(10.43)	2.47	(5.44)

Drive-on section for RAM sets with up to 10° angle, anodized metal sheet with anti-slip surface. Connection material included.



RAM90 -UPPER section

Code	mm	in	A		B		Weight	
RAM90-UP	mm	in	900	(35.43)	185.0	(7.28)	2.14	(4.72)

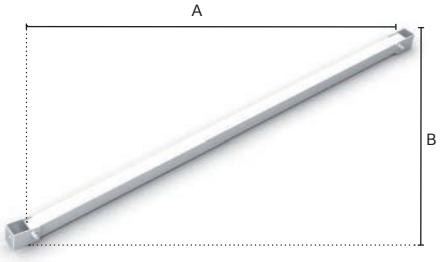
Drive-off section for RAM sets with up to 20° angle anodized metal sheet with anti-slip surface.

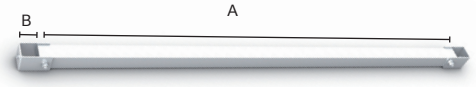


LEGS

Code	mm	in	A		B		Weight	
RAM-LEG-500	mm	in	500	(19.69)	50.0	(1.97)	1.0	(2.25)
RAM-LEG-700			700	(27.56)	50.0	(1.97)	1.4	(3.09)
RAM-LEG-1000			1000	(39.37)	50.0	(1.97)	1.6	(3.61)
RAM-LEG-1200			1200	(47.24)	50.0	(1.97)	1.8	(3.97)
RAM-LEG-1500			1500	(59.06)	50.0	(1.97)	2.1	(4.52)
RAM-LEG-1700			1700	(66.93)	50.0	(1.97)	2.2	(4.85)

40x40x2mm profile leg with antislip bolt with plastic cap. Adjustable. Connection material included. Anodized ; d=10cm foot with precise adjustment bolt.





RAM90 - DIAGONAL BRACE

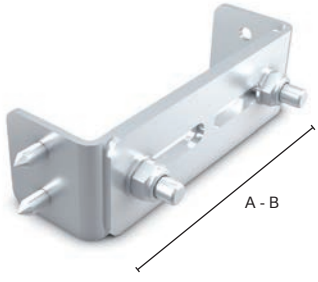
Code	mm	in	A		B		Weight	
RAM-BRACE-900x600	mm	in	936	(36.85)	600	(23.62)	1.4	(3.09)
RAM-BRACE-1500x900			1021	(40.20)	900	(35.43)	1.6	(3.53)
RAM-BRACE-1250x1100			1021	(40.20)	1100	(43.31)	1.7	(3.75)
RAM-BRACE-1500x300			1261	(49.65)	300	(11.81)	1.6	(3.53)
RAM-BRACE-2000x900			1751	(68.94)	900	(35.43)	2.1	(4.63)

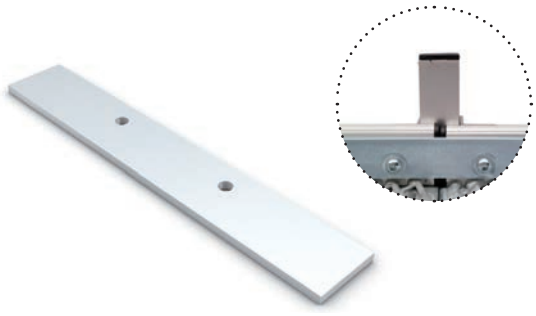
Diagonal brace with 2mm thick lugs for attachment to the leg profiles. Used for structural reinforcement of RAM sets over 500mm height.

RAM90 -BRACE

Code	mm	in	A		B		Weight	
RAM-BRACE-900	mm	in	936	(36.85)	42	(1.65)	1.3	(2.87)
RAM-BRACE-1250			1021	(40.20)	42	(1.65)	1.4	(3.09)
RAM-BRACE-1500			1261	(49.65)	42	(1.65)	1.6	(3.53)
RAM-BRACE-2000			1751	(68.94)	42	(1.65)	2.0	(4.41)

Straight brace with 2mm thick lugs for attachment to the leg profiles. Used for structural reinforcment of RAM sets over 500mm height.





WALL ATTACHMENT

Code	mm	in	A		B		Weight	
RAM90WALL	mm	in	126	(4.96)	193	(7.59)	0.3	(0.66)

Wall attachment plate. Connection material to the RAM set included, pre-drilled d=6.5mm holes for wall anchors or bolts.

CONNECTOR

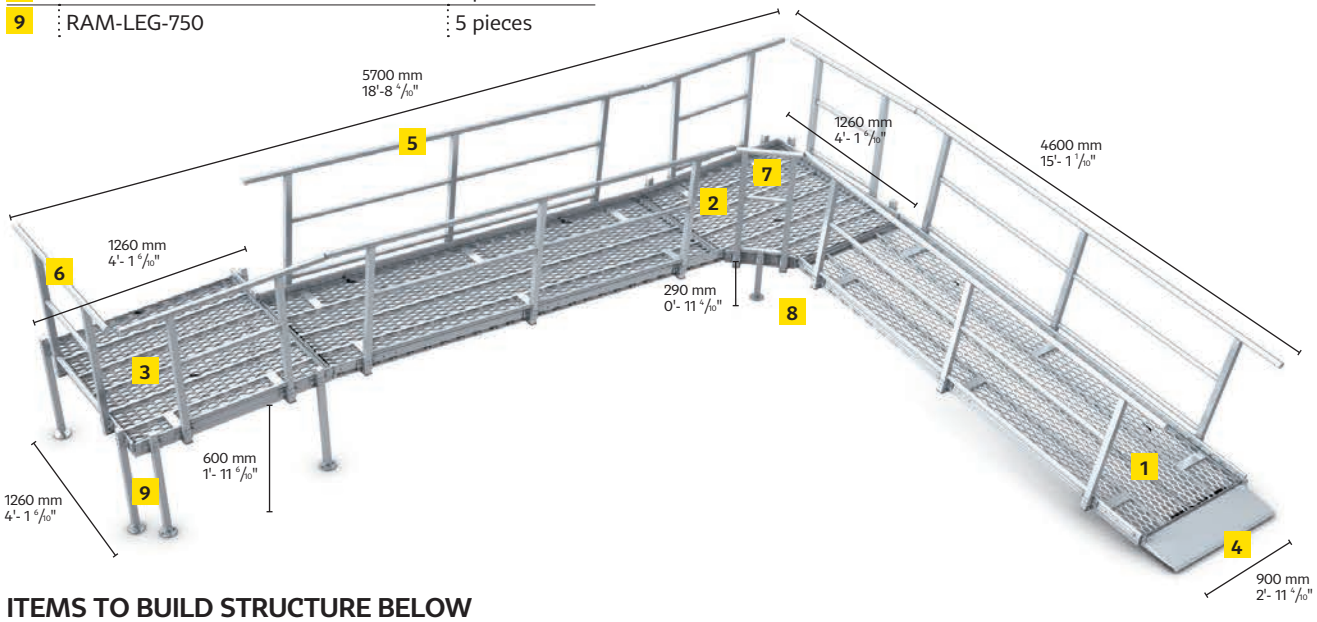
Series	kg	lbs	
RAM-CONN	0.5	(1.10)	For connecting two straight ramps.

NOTE

Milos RAM systems follow recommendations according to DIN 18040-1 (Requirements for wheelchair access in publically accessible buildings • RAM90 sloping ramps must be followed with a flat landing (minimum length of 1.5m) after every 6 meters of sloped ramp (with max. 6% of inclination) • Contact our R&D Department for more information or consultations

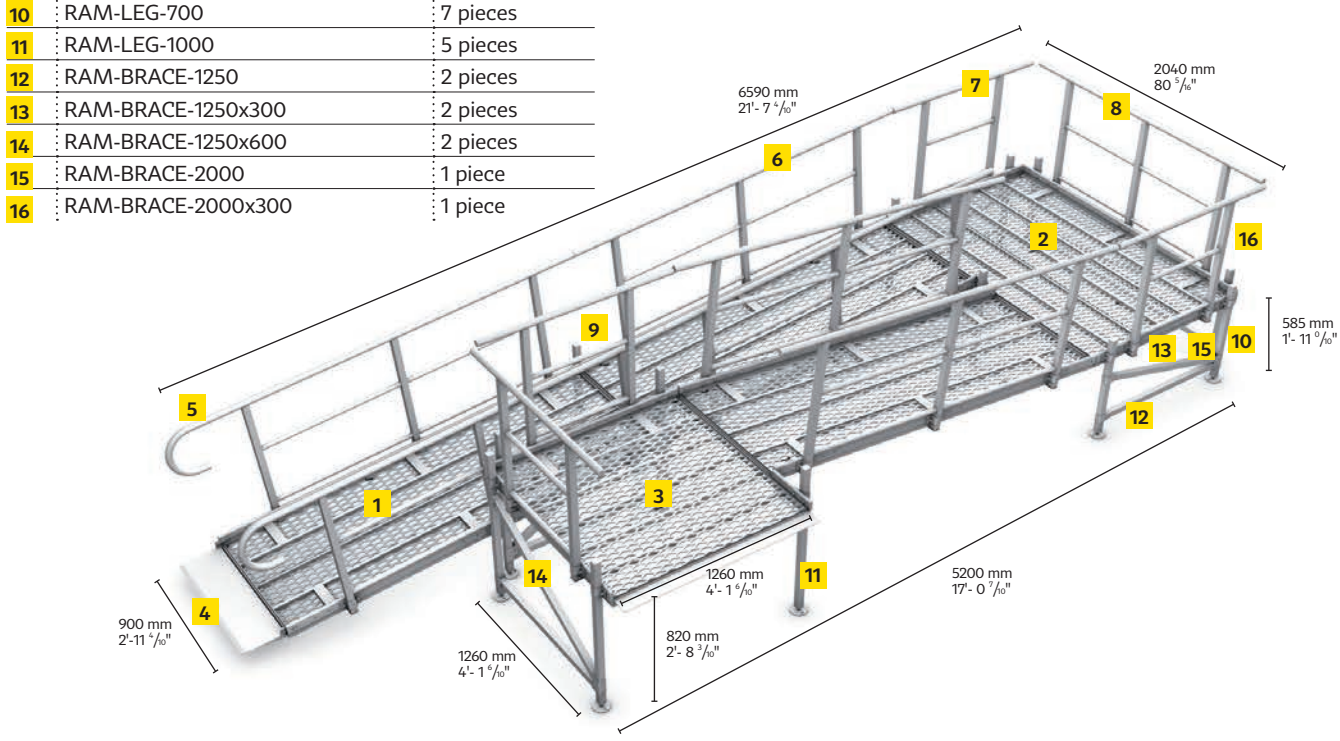
ITEMS TO BUILD STRUCTURE BELOW

1	RAM90-2500	2 pieces
2	RAM90-1250x1250 (90°)	1 piece
3	RAM90-1250x1250 (90°) HP	1 piece
4	RAM90-BP	1 piece
5	RAM-RAILING-2500	4 pieces
6	RAM-RAILING-1250	4 pieces
7	RAM-RAILING-350	1 piece
8	RAM-LEG-350	5 pieces
9	RAM-LEG-750	5 pieces



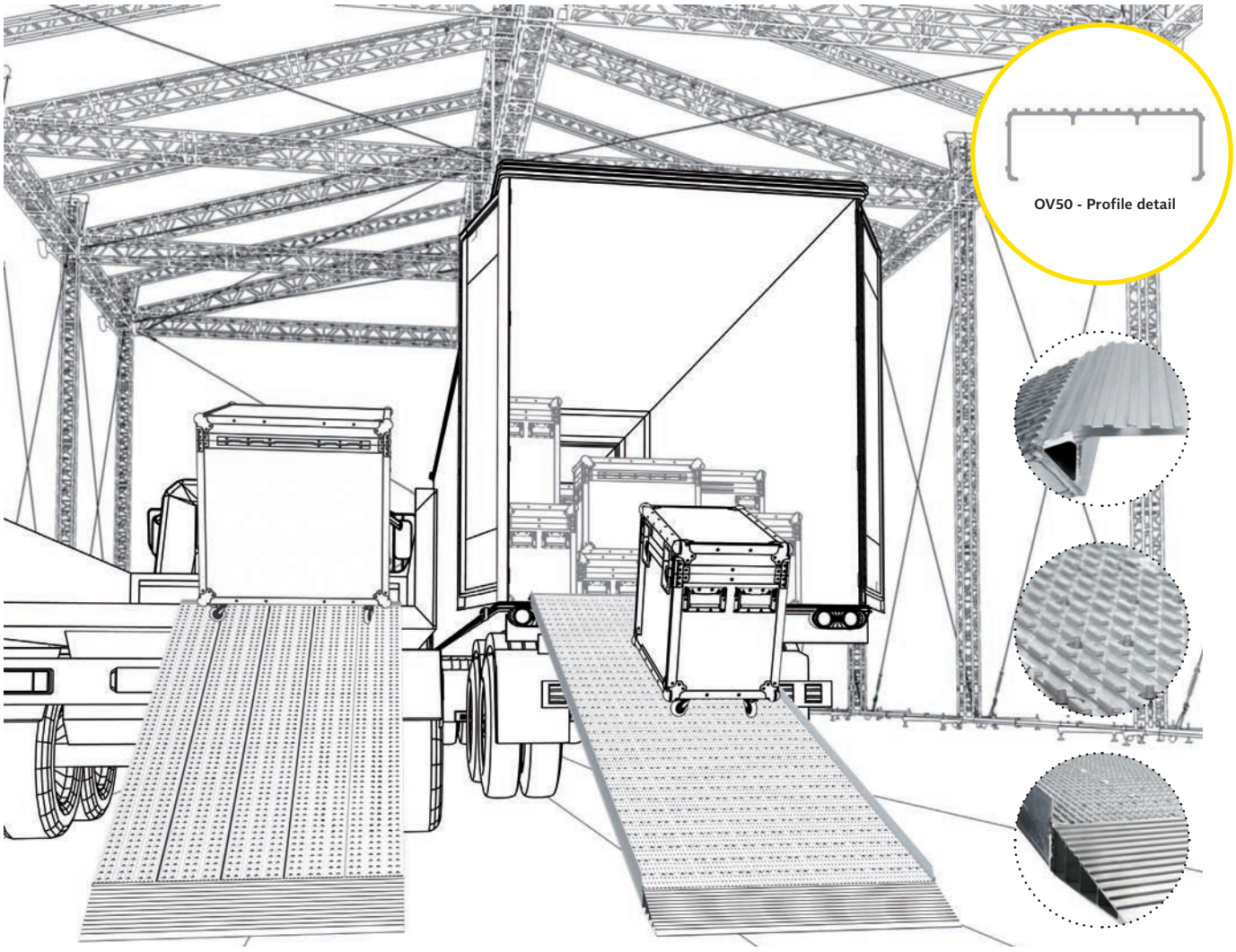
ITEMS TO BUILD STRUCTURE BELOW

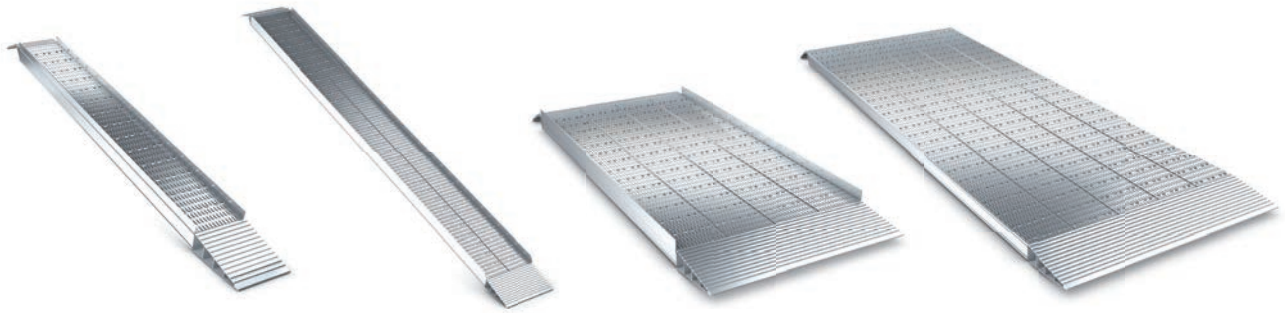
1	RAM90-2500	3 pieces
2	RAM90-2000x1250 (180°)	1 piece
3	RAM90-1250x1250 (90°) HL	1 piece
4	RAM90-BP	1 piece
5	RAM RAIL ENDING PART	2 pieces
6	RAM-RAILING-2500	6 pieces
7	RAM-RAILING-1250	4 piece
8	RAM-RAILING-2000	1 piece
9	RAM-LEG-500	2 pieces
10	RAM-LEG-700	7 pieces
11	RAM-LEG-1000	5 pieces
12	RAM-BRACE-1250	2 pieces
13	RAM-BRACE-1250x300	2 pieces
14	RAM-BRACE-1250x600	2 pieces
15	RAM-BRACE-2000	1 piece
16	RAM-BRACE-2000x300	1 piece



OV50 light ramps

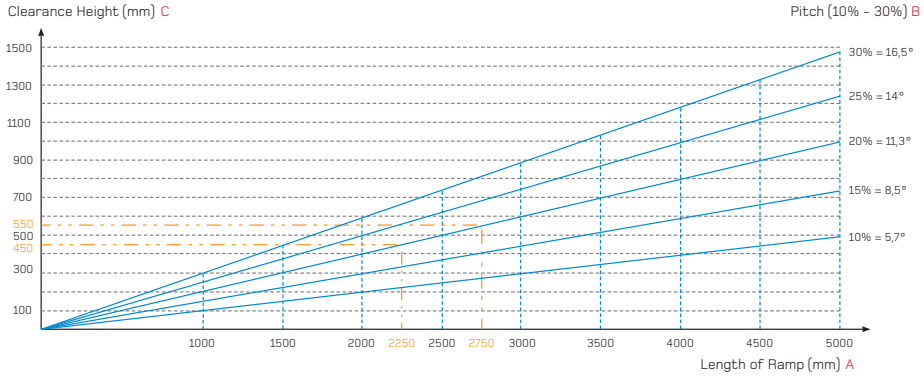
- Lightweight profile made of EN AW-6063 T6
- Raised side rails 45mm (1.77") as standard
- Anti-slip surface
- Loading capacity up to 1950 kg (4290 lbs)
- Length up to 5000mm (196.85")
- Wide selection of sizes
- Ultra heavy duty use
- Ideal for concert touring



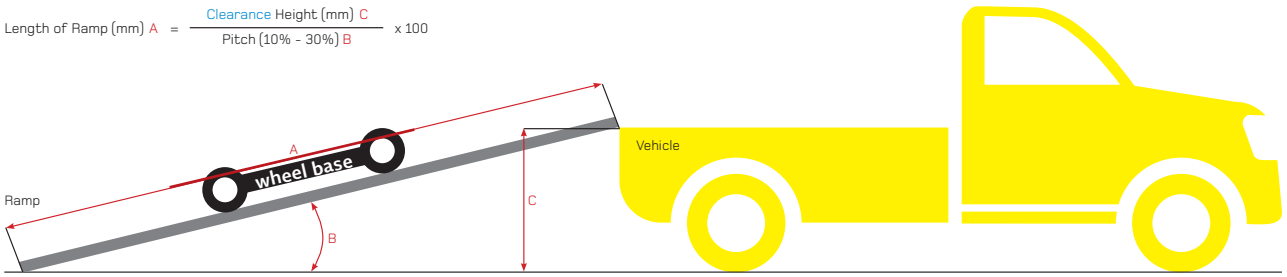


OV50

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

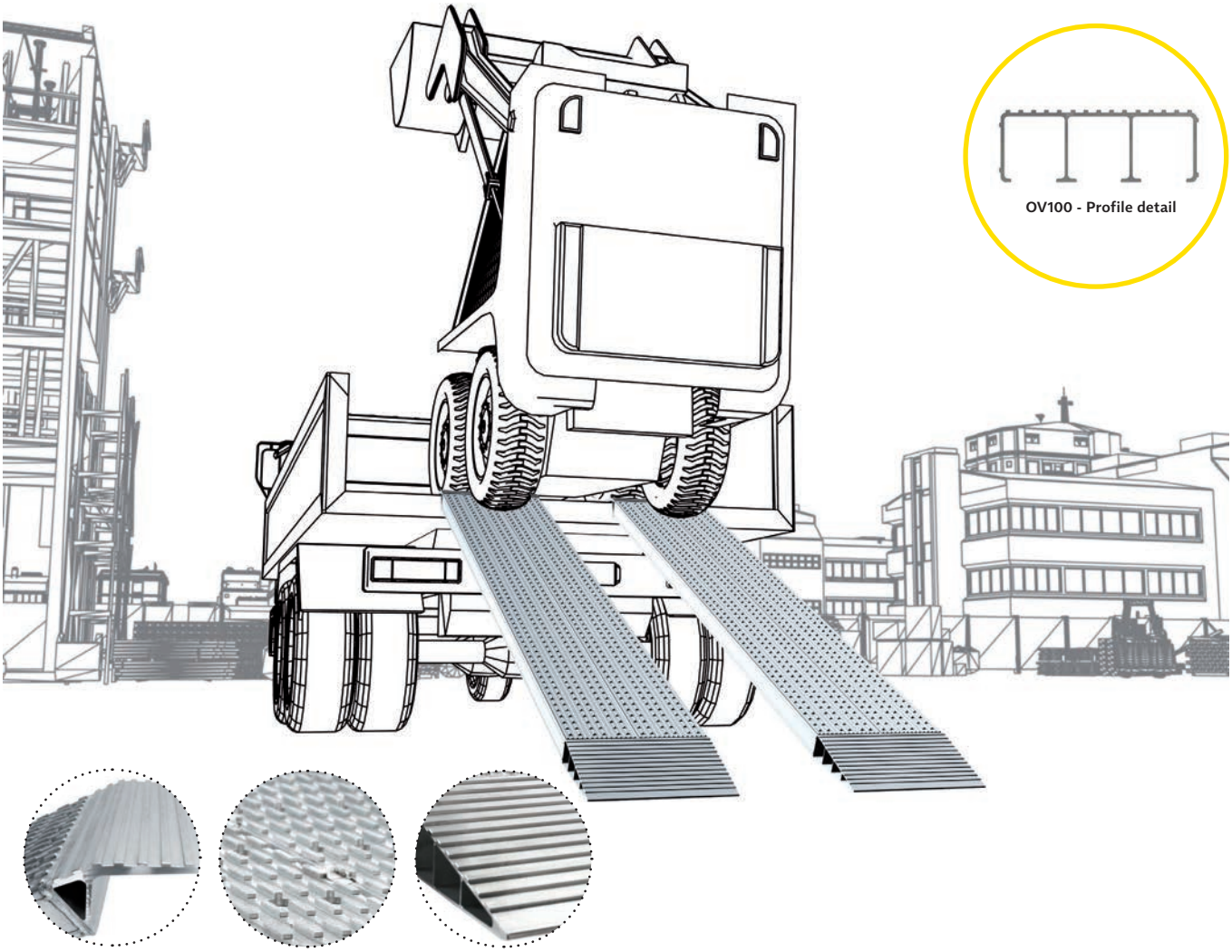
Technical specifications

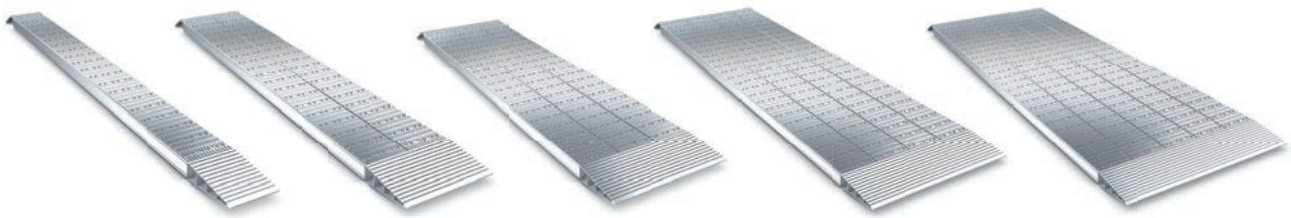
Code	Length		Width		Height		SWL pair piece*		Weight per ramp	
	mm	in	mm	in	mm	in	kg	lbs	kg	lbs
OV50-200x1500	1500	(59.06)	200	(7.87)	450	(17.72)	820.00	(1804.00)	6.00	(13.20)
OV50-200x2000	2000	(78.74)	200	(7.87)	600	(23.62)	660.00	(1452.00)	8.00	(17.60)
OV50-200x2500	2500	(98.43)	200	(7.87)	750	(29.53)	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

OV100 ramps

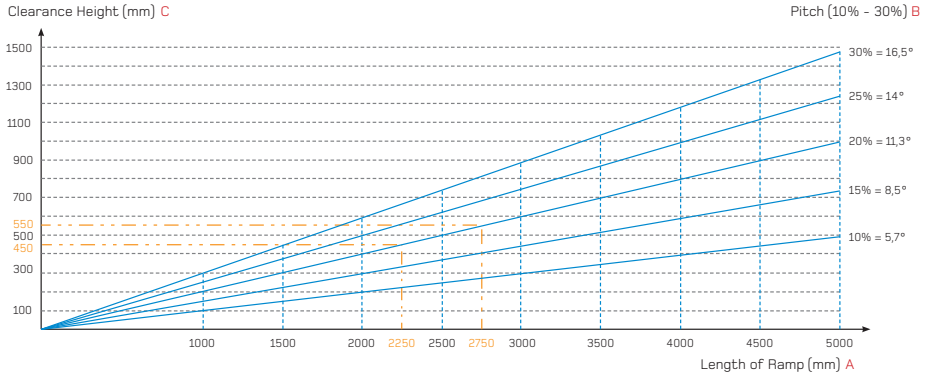
- Easy handling and manipulation
- Anti-slip surface
- Length up to 4000mm (157.5")
- Robust EN-AW 6063 T6 aluminium profile
- Industrial, commercial and automotive use
- Wide selection of sizes
- Optional side rails available



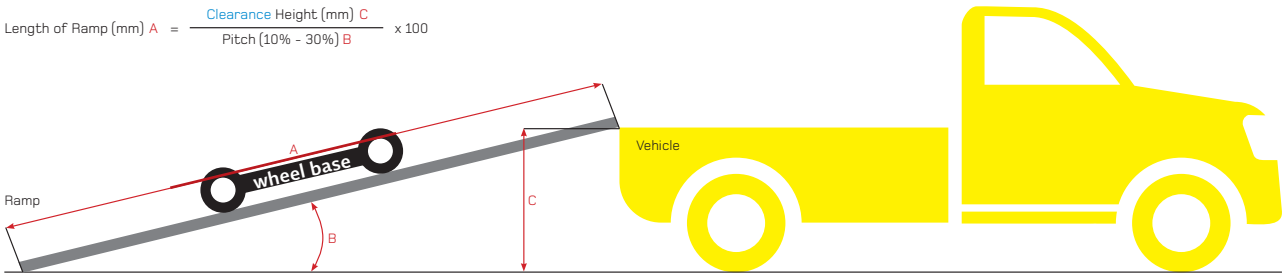


OV100

Heavy loading ramps
Available in 200 - 400 - 600 - 800 - 1000mm (7.87 - 15.75 - 23.62 - 31.50 - 39.37″).



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



*SWL counted for 1000 mm wheelbase

OV100
Loading ramp

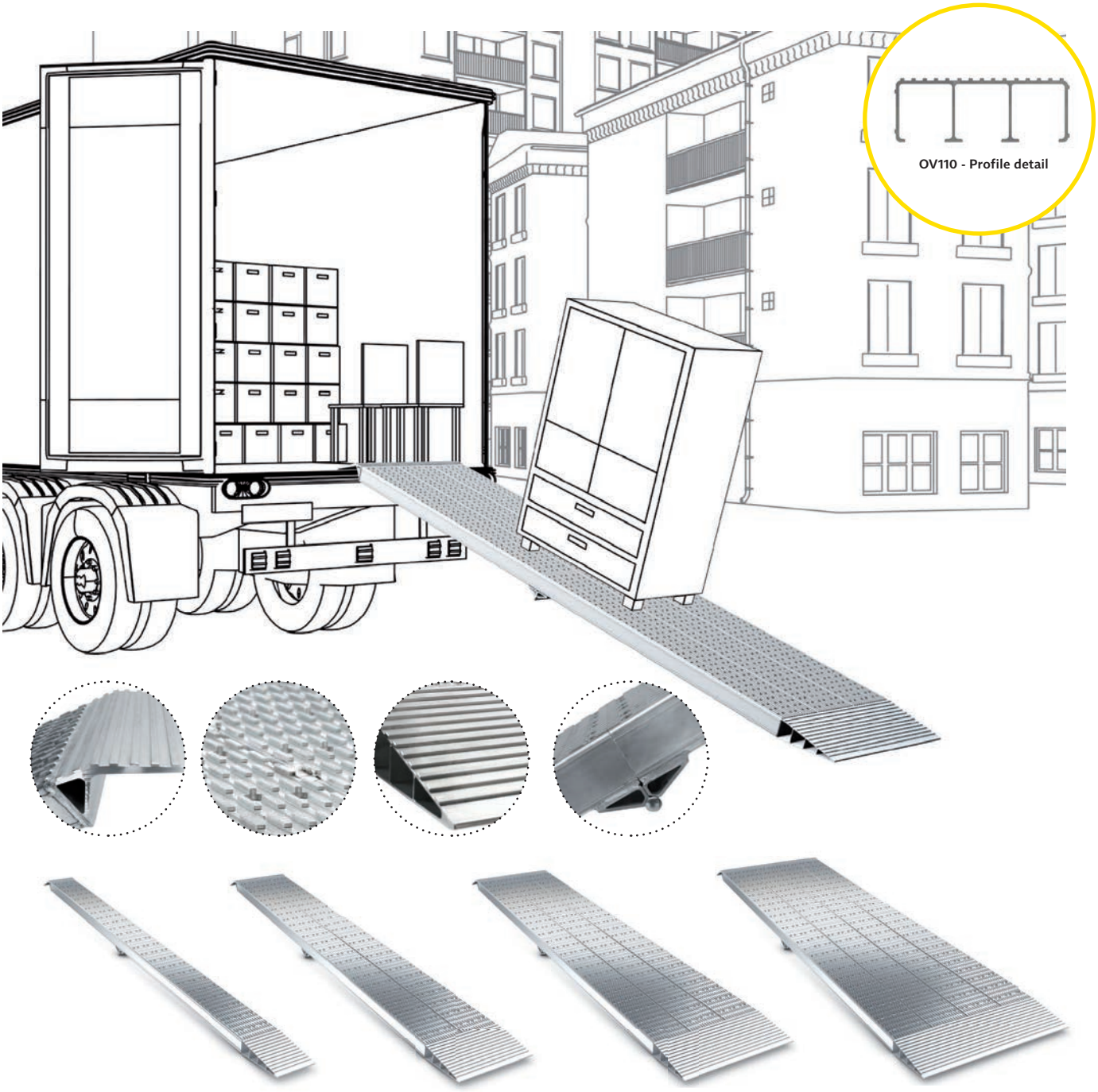
Technical specifications

Code		Length		Width		Height		SWL pair piece*		Weight per ramp	
								kg	lbs	kg	lbs
OV100-200x1500	mm / in	1500	(59.06)	200	(7.87)	450	(17.72)	855.00	(1881.00)	7.00	(15.40)
OV100-200x2000		2000	(78.74)	200	(7.87)	600	(23.62)	720.00	(1584.00)	10.00	(22)
OV100-200x2500		2500	(98.43)	200	(7.87)	750	(29.53)	655.00	(1441.00)	12.00	(26.40)
OV100-200x3000		3000	(118.11)	200	(7.87)	900	(35.43)	590.00	(1298.00)	14.00	(30.80)
OV100-200x3500		3500	(137.80)	200	(7.87)	1050	(41.34)	485.00	(1067.00)	16.00	(35.20)
OV100-200x4000		4000	(157.48)	200	(7.87)	1200	(47.24)	410.00	(902.00)	18.00	(39.60)
OV100-400x1500		1500	(59.06)	400	(15.75)	450	(17.72)	1790.00	(3938.00)	14.00	(30.80)
OV100-400x2000		2000	(78.74)	400	(15.75)	600	(23.62)	1470.00	(3234.00)	19.00	(41.80)
OV100-400x2500		2500	(98.43)	400	(15.75)	750	(29.53)	1220.00	(2684.00)	23.00	(50.60)
OV100-400x3000		3000	(118.11)	400	(15.75)	900	(35.43)	1120.00	(2464.00)	27.00	(59.40)
OV100-400x3500		3500	(137.80)	400	(15.75)	1050	(41.34)	980.00	(2156.00)	32.00	(70.40)
OV100-400x4000		4000	(157.48)	400	(15.75)	1200	(47.24)	825.00	(1815.00)	36.00	(79.20)
OV100-600x1500		1500	(59.06)	600	(23.62)	450	(17.72)	1890.00	(4158.00)	21.00	(46.20)
OV100-600x2000		2000	(78.74)	600	(23.62)	600	(23.62)	1660.00	(3652.00)	28.00	(61.60)
OV100-600x2500		2500	(98.43)	600	(23.62)	750	(29.53)	1500.00	(3300.00)	34.00	(74.80)
OV100-600x3000		3000	(118.11)	600	(23.62)	900	(35.43)	1415.00	(3113.00)	41.00	(90.20)
OV100-800x1500		1500	(59.06)	800	(31.50)	450	(17.72)	1990.00	(4378.00)	28.00	(61.60)
OV100-800x2000		2000	(78.74)	800	(31.50)	600	(23.62)	1750.00	(3850.00)	37.00	(81.40)
OV100-800x2500		2500	(98.43)	800	(31.50)	750	(29.53)	1500.00	(3300.00)	46.00	(101.20)
OV100-800x3000		3000	(118.11)	800	(31.50)	900	(35.43)	1415.00	(3113.00)	55.00	(121.00)
OV100-1000x1500		1500	(59.06)	1000	(39.37)	450	(17.72)	1990.00	(4378.00)	35.00	(77.00)
OV100-1000x2000		2000	(78.74)	1000	(39.37)	600	(23.62)	1750.00	(3850.00)	46.00	(101.20)
OV100-1000x2500		2500	(98.43)	1000	(39.37)	750	(29.53)	1500.00	(3300.00)	57.00	(125.40)
OV100-1000x3000		3000	(118.11)	1000	(39.37)	900	(35.43)	1415.00	(3113.00)	68.00	(149.60)

*SWL counted for 1000 mm wheelbase

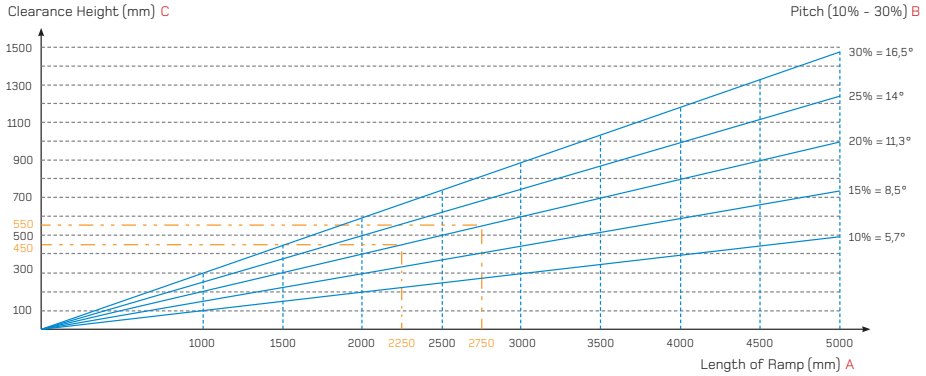
OV110 foldable ramps

- Convenient folding mechanism
- Anti-slip surface
- Loading capacity up to 725 kg (1595 lbs)
- Robust EN-AW 6063 T6 aluminium profile
- Length up to 3000mm (118.11")
- Wide selection of sizes
- Ideal for concert touring
- Optional side rails available

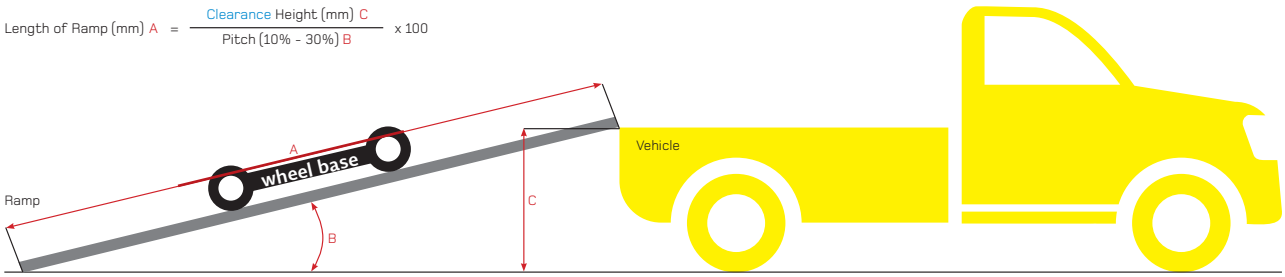


OV110

Foldable loading ramps
Available in 200 - 400 - 600 - 800mm (7.87 - 15.75 - 23.62 - 31.50'').



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



OV110 Foldable loading ramp

Technical specifications

Code		Length		Width		Height		SWL pair piece*		Weight per ramp	
								kg	lbs	kg	lbs
OV110-200x2000	mm / in	**2000**	(78.74)	**200**	(7.87)	**600**	(23.62)	**333.50**	(733.70)	**10.00**	(22)
OV110-200x2500		**2500**	(98.43)	**200**	(7.87)	**750**	(29.53)	**266.50**	(586.30)	**12.00**	(26.40)
OV110-200x3000		**3000**	(118.11)	**200**	(7.87)	**900**	(35.43)	**200**	(440.00)	**14.00**	(30.80)
OV110-400x2000		**2000**	(78.74)	**400**	(15.75)	**600**	(23.62)	**650**	(1430.00)	**20.00**	(44)
OV110-400x2500		**2500**	(98.43)	**400**	(15.75)	**750**	(29.53)	**500**	(1100.00)	**24.00**	(52.80)
OV110-400x3000		**3000**	(118.11)	**400**	(15.75)	**900**	(35.43)	**400**	(880.00)	**29.00**	(63.80)
OV110-600x2000		**2000**	(78.74)	**600**	(23.62)	**600**	(23.62)	**725**	(1595.50)	**30.00**	(66)
OV110-600x2500		**2500**	(98.43)	**600**	(23.62)	**750**	(29.53)	**675**	(1485.00)	**36.00**	(79.20)
OV110-600x3000		**3000**	(118.11)	**600**	(23.62)	**900**	(35.43)	**600**	(1320.00)	**43.00**	(94.60)
OV110-800x2000		**2000**	(78.74)	**800**	(31.50)	**600**	(23.62)	**725**	(1595.50)	**40.00**	(88.00)
OV110-800x2500		**2500**	(98.43)	**800**	(31.50)	**750**	(29.53)	**675**	(1485.00)	**49.00**	(107.80)
OV110-800x3000		**3000**	(118.11)	**800**	(31.50)	**900**	(35.43)	**600**	(1320.00)	**57.00**	(125.40)

*SWL calculated for 500mm wheelbase

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