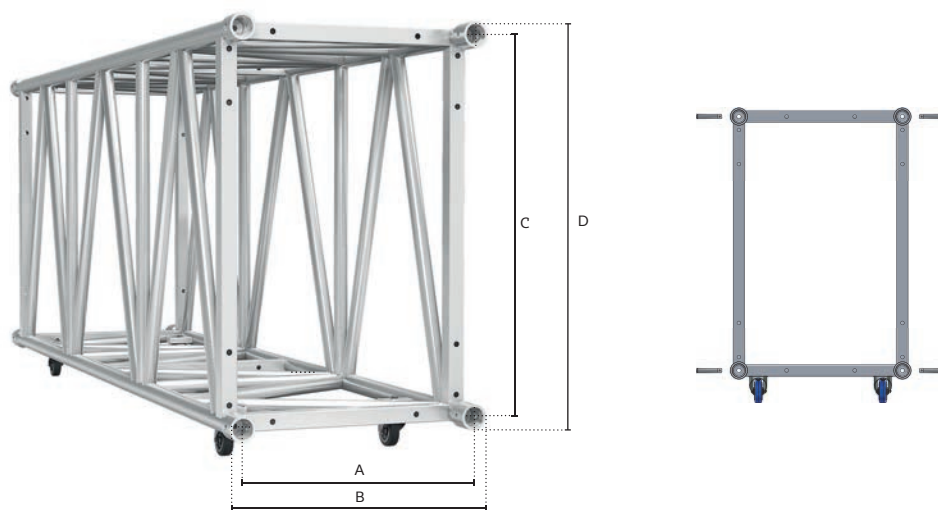


M1200 RTR

The MILOS M1200 RTR Truss boasts a maximum 50m span, e.g. on 36m span, it has an incredible UDL of 120 kg/meter with just 278mm deflection. It can therefore withstand even the heaviest loads. The M1200 RTR-Truss series comes with a truss connection made specifically for the MILOS Conical Connection Type R. This allows a fast connection for quick, simple, and secure assembly.

- Truss equipped with wheels for easy manipulation
- Incredible robustness, strength, and reliability
- Suitable if you need a wide-ranging span
- Main chord of 60mm allows the use of CELL 300
- End frames designed of rectangular profiles incl. mounting holes for e.g. keder supports, supports for storing and transport of tower truss inside the truss, etc.

RECT



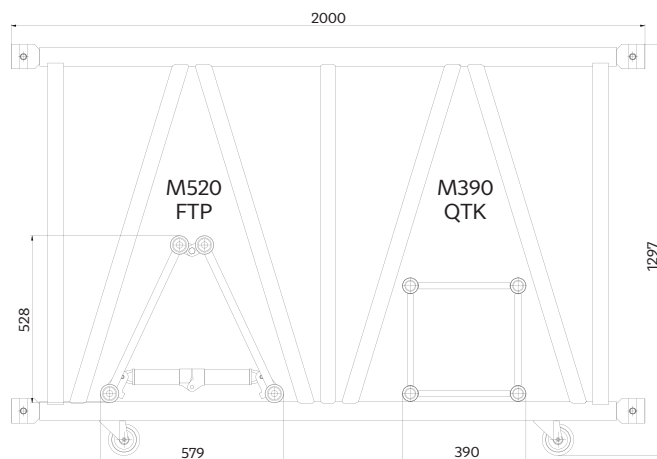
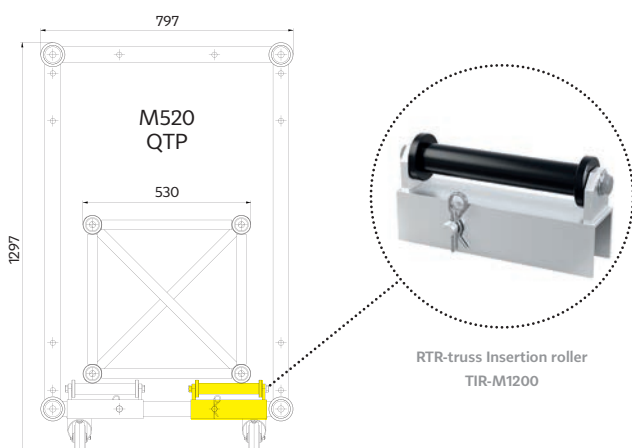
M1200

		Main Chords	Braces	Alloy	A	B	C	D	Coupler
RTR	mm in	60x8 (2.36x0.16)	50x4 (2x0.16) & 48x3 (1.89x0.12)	EN - AW 6082 T6	720 (28.35)	797 (31.38)	1118 (44.02)	1195 (47.04)	CCR

STANDARD LENGTHS AND WEIGHTS AVAILABLE

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

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



M1200 RTR

LOADING CHART

Span	m (ft)	8.00 (26.25)	10.00 (32.81)	12.00 (39.37)	14.00 (45.93)	16.00 (52.49)	18.00 (59.06)	20.00 (65.62)	22.00 (72.18)
Centre Point Load (CPL)	kg (lbs)	8678.00 (19131.72)	8622.00 (19008.26)	7709.00 (16995.44)	6560.00 (14462.32)	5692.00 (12548.71)	5011.00 (11047.36)	4461.00 (9834.82)	4006.00 (8831.72)
Deflection	mm (in)	11.00 (0.43)	17.00 (0.67)	24.00 (0.94)	33.00 (1.30)	44.00 (1.73)	56.00 (2.20)	69.00 (2.72)	84.00 (3.31)
Third Point Load (TPL)	kg (lbs)	4342.00 (9572.47)	4315.00 (9512.95)	4288.00 (9453.42)	4260.00 (9391.69)	4233.00 (9332.17)	3758.00 (8284.97)	3346.00 (7376.67)	3005.00 (6624.89)
Deflection	mm (in)	10.00 (0.39)	20.00 (0.79)	31.00 (1.22)	42.00 (1.65)	55.00 (2.17)	70.00 (2.76)	87.00 (3.43)	105.00 (4.13)
Quarter Point Load (QPL)	kg (lbs)	2932.00 (6463.95)	2923.00 (6444.11)	2915.00 (6426.47)	2906.00 (6406.63)	2846.00 (6274.36)	2505.00 (5522.58)	2230.00 (4916.31)	2003.00 (4415.86)
Deflection	mm (in)	10.00 (0.39)	19.00 (0.75)	29.00 (1.14)	39.00 (1.54)	52.00 (2.05)	65.00 (2.56)	81.00 (3.19)	98.00 (3.86)
Fifth Point Load (FPL)	kg (lbs)	2193.00 (4834.74)	2185.00 (4817.10)	2176.00 (4797.26)	2168.00 (4779.62)	2160.00 (4761.98)	2088.00 (4603.25)	1859.00 (4098.39)	1669.00 (3679.52)
Deflection	mm (in)	9.00 (0.35)	18.00 (0.71)	31.00 (1.22)	42.00 (1.65)	55.00 (2.17)	69.00 (2.72)	85.00 (3.35)	103.00 (4.06)
Uniformly Distributed Load (UDL)	kg/m (lbs/ft)	1099.00 (738.57)	876.00 (588.70)	711.00 (477.82)	610.00 (409.94)	532.00 (357.52)	470.00 (315.86)	425.00 (285.61)	364.00 (244.62)
Deflection	mm (in)	5.00 (0.20)	10.00 (0.39)	17.00 (0.67)	27.00 (1.06)	41.00 (1.61)	58.00 (2.28)	81.00 (3.19)	103.00 (4.06)

Span	24.00 (78.74)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)	32.00 (104.99)	34.00 (111.55)	36.00 (118.11)	38.00 (124.67)
Centre Point Load (CPL)	3623.00 (7987.35)	3295.00 (7264.23)	3010.00 (6635.91)	2760.00 (6084.76)	2538.00 (5595.33)	2338.00 (5154.41)	2159.00 (4759.78)	1995.00 (4398.22)
Deflection	100.00 (3.94)	118.00 (4.65)	138.00 (5.43)	159.00 (6.26)	182.00 (7.17)	207.00 (8.15)	233.00 (9.17)	262.00 (10.31)
Third Point Load (TPL)	2717.00 (5989.96)	2471.00 (5447.62)	2258.00 (4978.04)	2070.00 (4563.57)	1903.00 (4195.40)	1754.00 (3866.91)	1619.00 (3569.28)	1496.00 (3298.12)
Deflection	125.00 (4.92)	147.00 (5.79)	170.00 (6.69)	196.00 (7.72)	223.00 (8.78)	252.00 (9.92)	283.00 (11.14)	316.00 (12.44)
Quarter Point Load (QPL)	1812.00 (3994.78)	1648.00 (3633.22)	1505.00 (3317.96)	1380.00 (3042.38)	1269.00 (2797.67)	1169.00 (2577.20)	1079.00 (2378.79)	997.00 (2198.01)
Deflection	117.00 (4.61)	137.00 (5.39)	160.00 (6.30)	184.00 (7.24)	210.00 (8.27)	237.00 (9.33)	267.00 (10.51)	298.00 (11.73)
Fifth Point Load (FPL)	1510.00 (3328.98)	1373.00 (3026.95)	1254.00 (2764.60)	1150.00 (2535.32)	1057.00 (2330.29)	974.00 (2147.30)	899.00 (1981.96)	831.00 (1832.04)
Deflection	123.00 (4.84)	145.00 (5.71)	168.00 (6.61)	193.00 (7.60)	220.00 (8.66)	249.00 (9.80)	280.00 (11.02)	313.00 (12.32)
Uniformly Distributed Load (UDL)	302.00 (202.95)	253.00 (170.00)	215.00 (144.48)	184.00 (123.65)	159.00 (106.85)	138.00 (92.74)	120.00 (80.64)	105.00 (70.56)
Deflection	122.00 (4.80)	144.00 (5.67)	167.00 (6.57)	192.00 (7.56)	219.00 (8.62)	248.00 (9.76)	278.00 (10.94)	311.00 (12.24)

Span	40.00 (131.23)	42.00 (137.79)	44.00 (144.36)	46.00 (150.92)	48.00 (157.48)	50.00 (164.04)
Centre Point Load (CPL)	1845.00 (4067.53)	1707.00 (3763.29)	1579.00 (3481.10)	1460.00 (3218.75)	1349.00 (2974.04)	1245.00 (2744.76)
Deflection	292.00 (11.50)	325.00 (12.80)	360.00 (14.17)	396.00 (15.59)	435.00 (17.13)	477.00 (18.78)
Third Point Load (TPL)	1384.00 (3051.20)	1280.00 (2821.92)	1184.00 (2610.27)	1095.00 (2414.06)	1012.00 (2231.08)	934.00 (2059.12)
Deflection	351.00 (13.82)	388.00 (15.28)	426.00 (16.77)	467.00 (18.39)	509.00 (20.04)	554.00 (21.81)
Quarter Point Load (QPL)	923.00 (2034.87)	854.00 (1882.75)	790.00 (1741.65)	730.00 (1609.37)	675.00 (1488.12)	622.00 (1371.28)
Deflection	332.00 (13.07)	367.00 (14.45)	405.00 (15.94)	444.00 (17.48)	485.00 (19.09)	529.00 (20.83)
Fifth Point Load (FPL)	769.00 (1695.35)	711.00 (1567.49)	658.00 (1450.64)	608.00 (1340.41)	562.00 (1239.00)	519.00 (1144.20)
Deflection	347.00 (13.66)	384.00 (15.12)	422.00 (16.61)	462.00 (18.19)	505.00 (19.88)	549.00 (21.61)
Uniformly Distributed Load (UDL)	92.00 (61.82)	81.00 (54.43)	72.00 (48.38)	63.00 (42.33)	56.00 (37.63)	50.00 (33.60)
Deflection	345.00 (13.58)	381.00 (15.00)	420.00 (16.54)	460.00 (18.11)	502.00 (19.76)	546.00 (21.50)

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

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