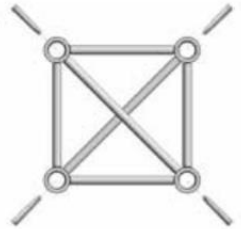
QUATRO



M290

QTB
QTF
QTU

mm in

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

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