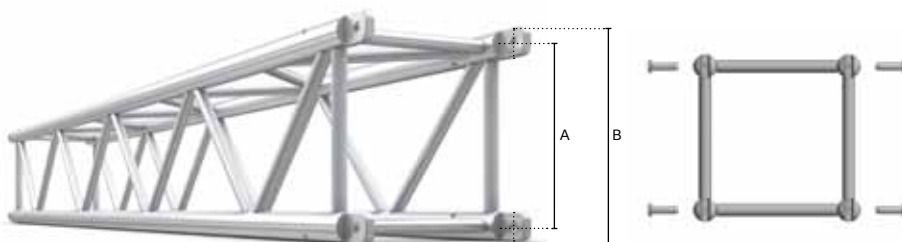


4GS-35 & 4GS-50

- 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

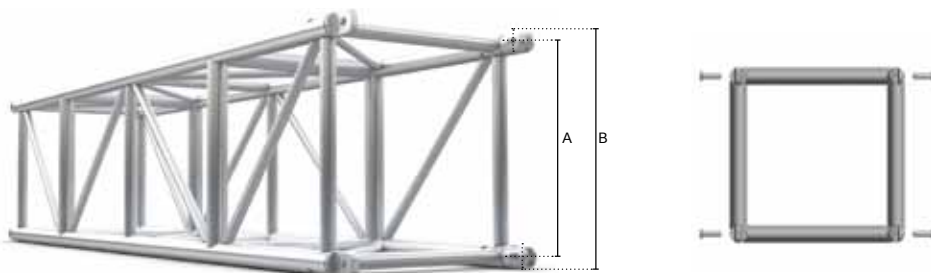
	Main Chords	Diagonals	Alloy	A	B	Connection
mm in	48x4.5 (1.89x0.18)	25x3 (0.98x0.12)	EN - AW 6082 T6	299 (11.77)	347 (13.66)	Fork/Pin

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

	Main Chords	Diagonals	Horizontal Braces	Alloy	A	B	Connection
mm in	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 (9.84)	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			