



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

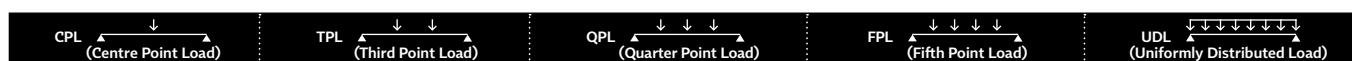
Span	18.00 (59.06)	20.00 (65.62)	22.00 (72.18)	24.00 (78.74)	26.00 (85.30)	28.00 (91.86)	30.00 (98.43)
Centre Point Load (CPL)	1135.70 (2503.79)	997.80 (2199.77)	882.50 (1945.58)	784.40 (1729.30)	699.30 (1541.69)	624.60 (1377.01)	558.10 (1230.40)
Deflection	110.50 (4.35)	137.60 (5.42)	167.90 (6.61)	201.80 (7.94)	239.30 (9.42)	280.60 (11.05)	326.00 (12.83)
Third Point Load (TPL)	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)
Quarter Point Load (QPL)	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)
Fifth Point Load (FPL)	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)
Uniformly Distributed Load (UDL)	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)	18.00 (59.06)
Centre Point Load (CPL)	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)	1144.00 (2522.09)
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)	110.30 (4.34)
Third Point Load (TPL)	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)	858.00 (1891.56)
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)	137.40 (5.41)
Quarter Point Load (QPL)	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)	572.00 (1261.04)
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)	128.50 (5.06)
Fifth Point Load (FPL)	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)	476.70 (1050.94)
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)	135.60 (5.34)
Uniformly Distributed Load (UDL)	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)	127.10 (85.41)
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)	134.60 (5.30)

Span	20.00 (65.62)	22.00 (72.18)	24.00 (78.74)
Centre Point Load (CPL)	1006.90 (2219.83)	892.60 (1967.84)	795.40 (1753.55)
Deflection	137.20 (5.40)	167.30 (6.59)	200.90 (7.91)
Third Point Load (TPL)	755.20 (1664.93)	669.50 (1475.99)	596.50 (1315.06)
Deflection	169.90 (6.69)	205.90 (8.11)	245.60 (9.67)
Quarter Point Load (QPL)	503.50 (1110.03)	446.30 (983.92)	397.70 (876.78)
Deflection	159.20 (6.27)	193.40 (7.61)	231.10 (9.10)
Fifth Point Load (FPL)	419.60 (925.06)	371.90 (819.90)	331.40 (730.61)
Deflection	167.80 (6.61)	203.50 (8.01)	242.70 (9.56)
Uniformly Distributed Load (UDL)	100.70 (67.67)	81.10 (54.50)	66.30 (44.55)
Deflection	166.60 (6.56)	202.10 (7.96)	241.10 (9.49)



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