



F31 Load Data

Pipe Diameter: 50mm (1.97") - Wall Thickness: 2mm (0.08") - Alloy: EN-AW 6082 T6 (AlMgSi1 T6)

Meters	1m	2m	3m	4m
Feet	3.28ft	6.56ft	9.84ft	13.12
Max Load	495.9	484.7	495.9	467
Distributed Load (lb/ft)	151.2	73.9	50.4	35.6
Deflection (inch)	0.2	1.4	4.9	11.4
Center Point Load	253.5	121.3	77.16	55.12
Deflection (inch)	0.2	0.3	1.2	2

F32 Load Data

Main Tubes: 50mm (1.97") - Wall Thickness: 2mm (0.08") - Alloy: EN-AW 6082 T6 (AlMgSi1 T6) - Diagonal Braces: 20mm (0.79") – 290mm (11.42") Diameter

Meters	2m	4m	6m	8m	10m	12m
Feet	6.56ft	13.12ft	19.68ft	26.24	32.8ft	39.36ft
Max Load	2050	2009.9	1336.2	991.8	836.4	657.3
Distributed Load (lb/ft)	312.5	153.2	67.9	37.8	25.5	16.7
Deflection (inch)	0.1	0.7	1.3	2.2	3.6	4.9
Center Point Load	1984	1102	749	551	441	352
Deflection (inch)	0.2	0.5	1.1	1.9	2.9	4.1

F33 Load Data

Main Tubes: 50mm (1.97") - Wall Thickness: 2mm (0.08") - Alloy: EN-AW 6082 T6 (AlMgSi1 T6) - Diagonal Braces: 20mm (0.79") – 290mm (11.42") x 290mm (11.42") Triangular

Meters	2m	4m	6m	8m	10m	12m
Feet	6.56ft	13.12ft	19.68ft	26.24	32.8ft	39.36ft
Max Load	3299.6	1456.3	1298.8	986.6	770.8	610.5
Distributed Load (lb/ft)	503	111	66	37.6	23.5	15.5
Deflection (inch)	0.2	0.5	1.1	2	3.2	4.5
Center Point Load	1322.8	915	540	451.9	352.7	297.6
Deflection (inch)	0.1	0.4	0.7	1.3	2	3.2

1 meter = 3.28ft (39.36")

1 kg(kilogram) = 2.2lbs

1 inch = 25.4mm

The load data and specifications are intended for reference purposes only. Global Truss America does not accept responsibility for user error or omissions.

Load data and specifications subject to change.



F34 Load Data

Main Tubes: 50mm (1.97") - Wall Thickness: 2mm (0.08") - Alloy: EN-AW 6082 T6 (AlMgSi1 T6) - Diagonal Braces: 20mm (0.79") – 290mm (11.42") x 290mm (11.42") Square

Meters	2m	4m	6m	8m	10m	12m
Feet	6.56ft	13.12ft	19.68ft	26.24	32.8ft	39.36ft
Max Load	5746.5	3861.2	2564.3	2044	1548.1	1326.4
Distributed Load (lb/ft)	876	294.3	130.3	77.9	47.2	33.7
Deflection (inch)	0.2	0.6	1.3	2.3	3.4	4.9
Center Point Load	4585	2204	1499	1102	882	705
Deflection (inch)	0.2	0.5	1.1	1.8	2.9	4.1

F44P Load Data

Main Tubes: 50mm (1.97") - Wall Thickness: 3mm (0.12") - Alloy: EN-AW 6082 T6 (AlMgSi1 T6) - Brace Diameter: 25mm (0.98") – 400mm (15.75") x 400mm (15.75")

Meters	2m	4m	6m	8m	10m	12m	14m	16m
Feet	6.56ft	13.12ft	19.68ft	26.24	32.8ft	39.36ft	45.92ft	52.48ft
Max Load	4407.6	5553.6	3967.4	2891.6	2732.2	2113.6	1726.5	1553.4
Distributed Load (lb/ft)	671.9	423.3	201.6	110.2	83.3	53.7	37.6	29.6
Deflection (inch)	0.1	0.46	1	1.6	2.9	4	5.4	7.22
Center Point Load	4409	2866	1940	1455	1322	1102	881.8	749.6
Deflection (inch)	0.1	0.4	0.7	1.3	2.3	3.4	4.6	5.9

1 meter = 3.28ft (39.36")

1 kg(kilogram) = 2.2lbs

1 inch = 25.4mm

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Load data and specifications subject to change.