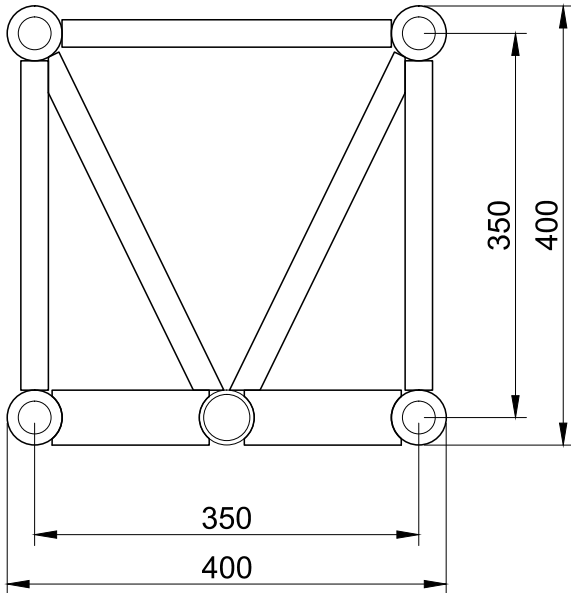
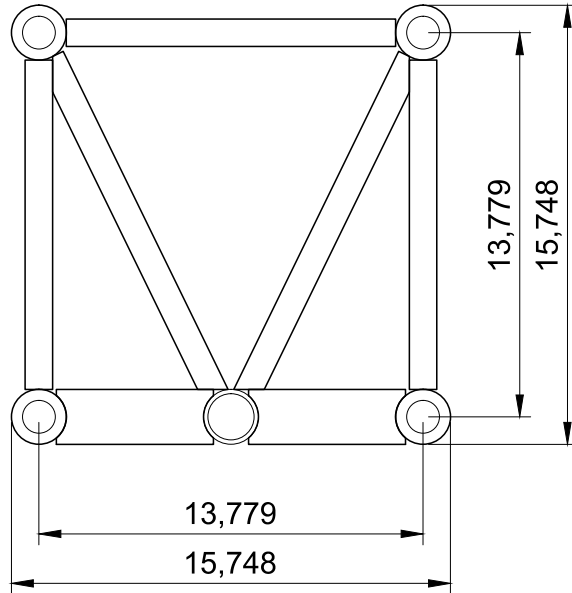


### SIZE IN MILLIMETRS



### SIZE IN INCHES



### SPECIFICATIONS

TUBES	50x4mm (2.0 x 0.16 inch)
BRACES	25x3mm (0.98 x 0.12 inch)
ALLOY	EN-AW 6082 T6



### STRAIGHT SEGMENT LENGTHS

CODE	LENGTH		WEIGHT	
	m	ft	kg	lbs
TT45-50	0.5m	1.64ft	8.8kg	19.40lbs
TT45-100	1m	3.28ft	14.1kg	31.09lbs
TT45-150	1.5m	4.92ft	19.8kg	43.65lbs
TT45-200	2m	6.56ft	25.8kg	56.88lbs
TT45-250	2.5m	8.20ft	30.3kg	66.80lbs
TT45-300	3m	9.84ft	36.3kg	80.03lbs

## LOADING TABLE - CENTRAL BOTTOM TUBE

	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
Distrib. Load [kg/m]	660	618	342	214	145	103	75	56	42	31	23
Deflection [mm]	4.5	21.5	38.2	59.6	86.2	117.4	152.3	190.8	230.7	271.4	310.3
Point load [kg] (in L/2)	500	500	500	500	500	500	500	500	419	342	271
Deflection [mm]	1.4	5.0	12.2	24.2	43.4	70.8	108.5	158.4	195.5	233.2	270.9
Point load [kg] (in L/3)	500	500	500	500	500	500	453	379	314	257	203
Deflection [mm]	2.4	8.2	19.7	39.2	69.0	111.4	155.2	194.2	234.7	275.7	314.7
Point load [kg] (in L/4)	500	500	500	500	435	362	302	253	209	171	136
Deflection [mm]	3.3	11.2	27.0	53.3	82.2	112.2	145.8	183.0	221.9	261.9	300.4
	13.1ft	19.7ft	26.2ft	32.8ft	37.4ft	45.9ft	52.5ft	59.1ft	65.6ft	72.2ft	78.7ft
Distrib. Load [lb/ft]	443.5	415.3	229.8	143.8	97.4	69.2	50.4	37.6	28.2	20.8	15.5
Deflection [inch]	0.2	0.9	1.5	2.4	3.4	4.6	5.6	7.5	9.1	10.7	12.2
Point load [lb] (in L/2)	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	923.7	754.0	597.5
Deflection [inch]	0.06	0.2	0.5	1.0	1.7	2.8	4.3	6.2	7.7	9.2	10.7
Point load [lb] (in L/3)	1102.3	1102.3	1102.3	1102.3	1102.3	1102.3	998.7	835.6	692.3	566.6	447.5
Deflection [inch]	0.09	0.3	0.8	1.5	2.7	4.3	6.1	7.6	9.2	10.9	12.4
Point load [lb] (in L/4)	1102.3	1102.3	1102.3	1102.3	959.0	798.1	665.8	557.8	460.8	377.0	299.8
Deflection [inch]	0.1	0.4	1.1	2.1	3.2	4.4	5.7	7.2	8.7	10.3	11.8

## LOADING TABLE - COMPLETE TRUSS\*

	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
Distrib. Load [kg/m]	1009	618	342	214	145	103	75	56	42	31	23
Deflection [mm]	6.9	21.5	38.2	59.6	86.2	117.4	152.3	190.8	230.7	271.4	310.3
Point load [kg] (in L/2)	2708	1855	1368	1070	871	723	604	506	419	342	271
Deflection [mm]	7.4	17.3	30.8	48.4	70.3	96.6	126.3	159.8	195.5	233.2	270.9
Point load [kg] (in L/3)	2031	1391	1026	803	653	543	453	379	314	257	203
Deflection [mm]	9.4	22.0	39.0	60.9	87.9	119.7	155.2	194.2	234.7	275.7	314.7
Point load [kg] (in L/4)	1354	928	684	535	435	362	302	253	209	171	136
Deflection [mm]	8.7	20.4	36.4	56.8	82.2	112.2	145.8	183.0	221.9	261.9	300.4
	13.1ft	19.7ft	26.2ft	32.8ft	37.4ft	45.9ft	52.5ft	59.1ft	65.6ft	72.2ft	78.7ft
Distrib. Load [lb/ft]	678.02	415.3	229.8	143.8	97.4	69.2	50.4	37.6	28.2	20.8	15.5
Deflection [inch]	0.3	0.9	1.5	2.4	3.4	4.6	5.6	7.5	9.1	10.7	12.2
Point load [lb] (in L/2)	5970.1	4089.6	3015.9	2358.9	1920.2	1593.9	1331.6	1115.5	923.7	754.0	597.5
Deflection [inch]	0.3	0.7	1.2	1.9	2.8	3.8	5.0	6.3	7.7	9.2	10.7
Point load [lb] (in L/3)	4477.6	3066.6	2261.9	1770.3	1439.6	1197.1	998.7	835.6	692.2	566.6	447.5
Deflection [inch]	0.4	0.9	1.5	2.4	3.5	4.7	6.1	7.6	9.2	10.9	12.4
Point load [lb] (in L/4)	2985.1	2045.9	1508.0	1179.5	959.0	798.1	665.8	557.8	460.8	460.8	299.8
Deflection [inch]	0.3	0.8	0.8	2.2	3.2	4.4	5.7	7.2	8.7	10.3	11.8

Loading tables are valid for static loads and spans with two supporting points. Spans must be supported at each end. Contact structural engineer if there are more supporting points applied or dynamic and wind loads involved.

High values of distributed loads are idealized. Loads must be applied to knot points!

\*The truss may be loaded only at the points of vertical diagonals - intersections loads only. Only vertical loads - the force vector must always aim directly to the ground.