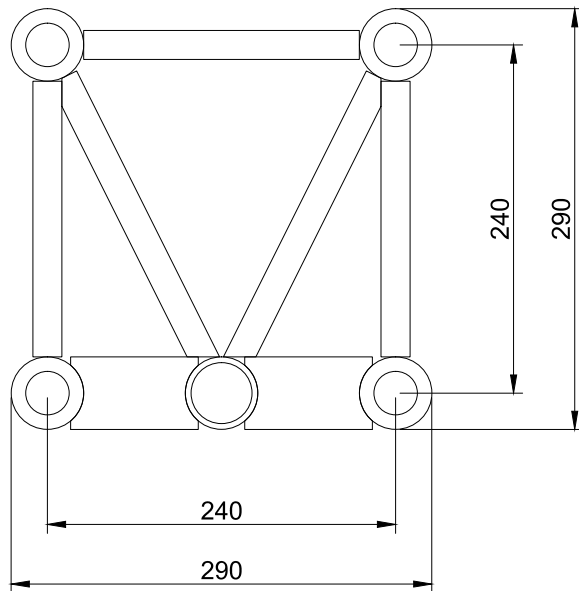
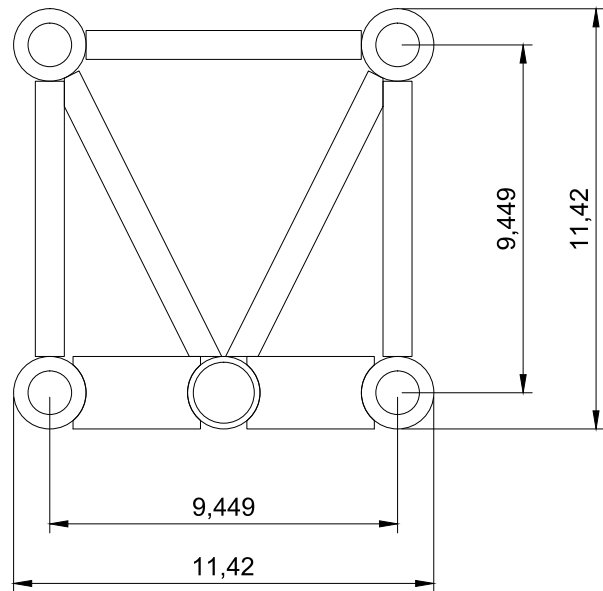


SIZE IN MILLIMETRS



SIZE IN INCHES



SPECIFICATIONS

TUBES	50x4mm (2.0 x 0.16 inch)
BRACES	20x2mm (0.8 x 0.08 inch)
ALLOY	EN-AW 6082 T6



STRAIGHT SEGMENT LENGTHS

CODE	LENGTH		WEIGHT	
	m	ft	kg	lbs
TT35-50	0.5m	1.64ft	6.3kg	13.89lbs
TT35-100	1m	3.28ft	12.2kg	26.90lbs
TT35-150	1.5m	4.92ft	17.5kg	38.58lbs
TT35-200	2m	6.56ft	21.5kg	47.40lbs
TT35-250	2.5m	8.20ft	26.5kg	58.42lbs
TT35-300	3m	9.84ft	31.0kg	68.34lbs

LOADING TABLE - CENTRAL BOTTOM TUBE

	4m	5m	6m	7m	8m	10m	12m	14m	16m	18m	20m
Distrib. Load [kg/m]	613	488	369	268	204	126	84	57	40	26	15
Deflection [mm]	8.9	17.5	27.6	37.5	49.3	76.9	110.6	148.6	188.3	221.6	235.8
Point load [kg] (in L/2)	620	620	620	620	620	620	502	402	317	234	146
Deflection [mm]	3.7	7.3	12.8	20.6	31.1	62.0	91.2	123.9	159.3	191.1	209.7
Point load [kg] (in L/3)	620	620	620	620	612	472	377	302	238	176	109
Deflection [mm]	6.2	12.2	21.2	34.0	50.4	78.5	112.8	151.3	191.5	225.0	238.7
Point load [kg] (in L/4)	620	620	554	469	408	315	251	201	159	117	73
Deflection [mm]	8.6	16.9	26.2	35.7	47.0	73.4	105.8	142.4	181.0	214.0	229.3
	13.1ft	16.4ft	19.7ft	22.97ft	32.8ft	32.8ft	37.4ft	45.9ft	52.5ft	59.1ft	65.6ft
Distrib. Load [lb/ft]	411.92	327.9	247.96	180.1	137.1	84.7	56.4	38.3	26.9	17.5	10.1
Deflection [inch]	0.4	0.7	1.1	1.5	1.94	3.0	4.4	5.9	7.4	8.7	9.3
Point load [lb] (in L/2)	1366.9	1366.9	1366.9	1366.9	1366.9	1366.9	1106.7	886.3	698.9	515.9	321.9
Deflection [inch]	0.1	0.3	0.5	0.8	1.2	2.4	3.6	4.9	6.3	7.5	8.3
Point load [lb] (in L/3)	1366.9	1366.9	1366.9	1366.9	1349.2	1040.6	831.1	665.8	524.7	388.0	240.3
Deflection [inch]	0.2	0.5	0.8	1.3	1.98	3.1	4.4	5.96	7.5	8.9	9.4
Point load [lb] (in L/4)	1366.9	1366.9	1221.4	1033.97	899.5	694.5	553.4	443.1	350.5	257.9	160.9
Deflection [inch]	0.3	0.6	1.0	1.4	1.9	2.9	4.2	5.6	7.1	8.4	9.0

LOADING TABLE - COMPLETE TRUSS*

	4m	5m	6m	7m	8m	10m	12m	14m	16m	18m	20m
Distrib. Load [kg/m]	613	488	369	268	204	126	84	57	40	26	15
Deflection [mm]	8.9	17.5	27.6	37.5	49.3	76.9	110.6	148.6	188.3	221.6	235.8
Point load [kg] (in L/2)	1653	1336	1107	938	815	629	502	402	317	234	146
Deflection [mm]	9.6	15.3	22.2	30.3	40.0	62.8	91.2	123.9	159.3	191.1	209.7
Point load [kg] (in L/3)	1239	1002	831	703	612	472	377	302	238	176	109
Deflection [mm]	12.2	19.5	28.2	38.3	50.4	78.5	112.8	151.3	191.5	225.0	238.7
Point load [kg] (in L/4)	826	668	554	469	408	315	251	201	159	117	73
Deflection [mm]	11.4	18.1	26.2	35.7	47.0	73.4	105.8	142.4	181.0	214.0	229.3
	13.1ft	16.4ft	19.7ft	22.97ft	32.8ft	32.8ft	37.4ft	45.9ft	52.5ft	59.1ft	65.6ft
Distrib. Load [lb/ft]	411.92	327.9	247.96	180.1	137.1	84.7	56.4	38.3	26.9	17.5	10.1
Deflection [inch]	0.4	0.7	1.1	1.5	1.94	3.0	4.4	5.9	7.4	8.7	9.3
Point load [lb] (in L/2)	3644.2	2945.4	2440.5	2067.94	1796.77	1386.7	1106.7	886.3	698.9	515.9	321.9
Deflection [inch]	0.4	0.6	0.9	1.2	1.6	2.5	3.6	4.9	6.3	7.5	8.3
Point load [lb] (in L/3)	2731.5	2209.0	1832.0	1549.9	1349.2	1040.6	831.1	665.8	524.7	388.0	240.3
Deflection [inch]	0.5	0.8	1.1	1.5	1.98	3.1	4.4	5.96	7.5	8.9	9.4
Point load [lb] (in L/4)	1821.0	1472.7	1221.4	1033.97	899.5	694.5	553.4	443.1	350.5	257.9	160.9
Deflection [inch]	0.4	0.7	1.0	1.4	1.9	2.9	4.2	5.6	7.1	8.4	9.0

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.