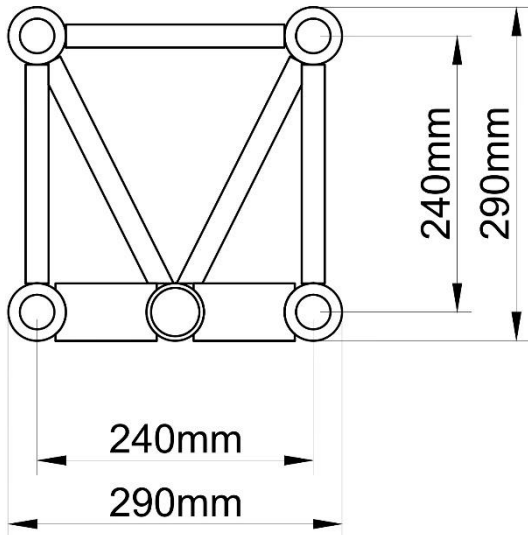
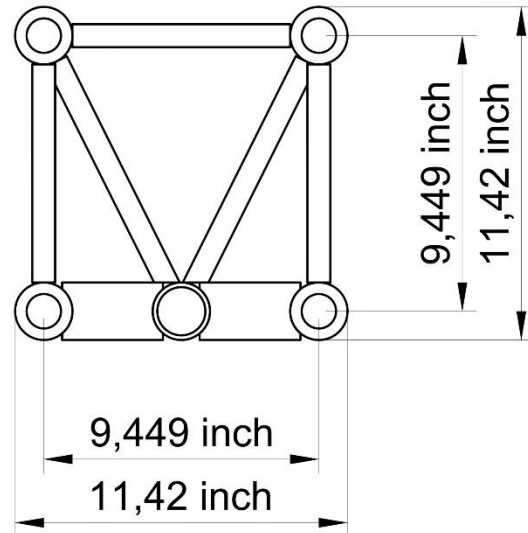


### SIZE IN MILLIMETRES



### SIZE IN INCHES



### SPECIFICATIONS

TUBES	50 mm x 4 mm (2 in x 0.16 in)
BRACES	20 mm x 2 mm (0.79 in x 0.08 in)
ALLOY	EN AW-6082 T6

**TECH  
SPECS**



### STRAIGHT SEGMENT LENGTHS

CODE	LENGTH		WEIGHT	
TT35-50	0.5 m	1.64 ft	7.14 kg	15.73 lbs
TT35-100	1 m	3.28 ft	12.15 kg	26.79 lbs
TT35-150	1.5 m	4.92 ft	16.38 kg	36.11 lbs
TT35-200	2 m	6.56 ft	21.25 kg	46.85 lbs
TT35-250	2.5 m	8.20 ft	26.67 kg	58.80 lbs
TT35-300	3 m	9.84 ft	30.98 kg	68.31 lbs

**LOADING TABLES – CENTRAL BOTTOM TUBE**

	4 m	5 m	6 m	7 m	8 m	10 m	12 m	14 m	16 m	18 m	20 m
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
	13.12 ft	16.40 ft	19.69 ft	22.97 ft	26.25 ft	32.81 ft	39.37 ft	45.93 ft	52.49 ft	59.06 ft	65.62 ft
Distrib. Load [lbs/ft]	411.92	327.9	247.96	180.1	137.1	84.7	56.4	38.3	26.9	17.5	10.1
Deflection [in]	0.4	0.7	1.1	1.5	1.94	3.0	4.4	5.9	7.4	8.7	9.3
Point load [lbs] (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 [in]	0.1	0.3	0.5	0.8	1.2	2.4	3.6	4.9	6.3	7.5	8.3
Point load [lbs] (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 [in]	0.2	0.5	0.8	1.3	1.98	3.1	4.4	5.96	7.5	8.9	9.4
Point load [lbs] (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 [in]	0.3	0.6	1.0	1.4	1.9	2.9	4.2	5.6	7.1	8.4	9.0

**LOADING TABLES – COMPLETE TRUSS\***

	4 m	5 m	6 m	7 m	8 m	10 m	12 m	14 m	16 m	18 m	20 m
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
	13.12 ft	16.40 ft	19.69 ft	22.97 ft	26.25 ft	32.81 ft	39.37 ft	45.93 ft	52.49 ft	59.06 ft	65.62 ft
Distrib. load [lbs/ft]	411.92	327.9	247.96	180.1	137.1	84.7	56.4	38.3	26.9	17.5	10.1
Deflection [in]	0.4	0.7	1.1	1.5	1.94	3.0	4.4	5.9	7.4	8.7	9.3
Point load [lbs] (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 [in]	0.4	0.6	0.9	1.2	1.6	2.5	3.6	4.9	6.3	7.5	8.3
Point load [lbs] (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 [in]	0.5	0.8	1.1	1.5	1.98	3.1	4.4	5.96	7.5	8.9	9.4
Point load [lbs] (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 [in]	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 load only. Only vertical loads – the force vector must always aim directly to the ground.