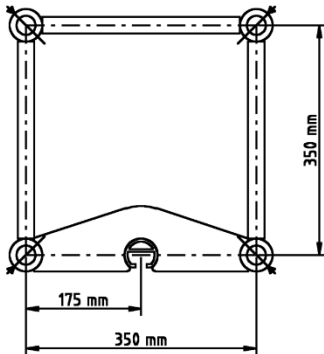
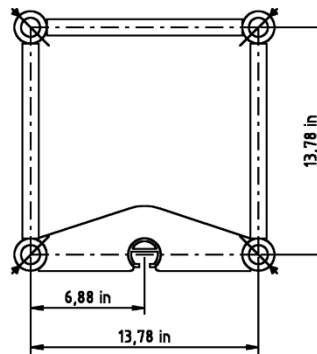


## SIZE IN MILIMETERS



## SIZE IN INCHES



## SPECIFICATIONS

<b>Tubes</b>	50 x 4 mm (1.97 x 0.16 in)
<b>Braces</b>	25 x 3 mm (0.98 x 0.12 in)
<b>Alloy</b>	EN AW-6082 T6

## 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
UDL [kg/m]	1469	951	655	477	362	226	152	107	78	58	44
Deflection [mm]	10	15	22	30	40	62	90	123	161	205	254
CPL [kg]	2626	2260	1966	1670	1446	1128	910	750	626	526	442
Deflection [mm]	7	12	18	25	32	51	74	102	135	174	218
TPL [kg]	1660	1460	1301	1172	1066	846	683	563	469	394	332
Deflection [mm]	8	13	20	29	39	60	84	110	136	163	188
QPL [kg]	1107	973	867	782	711	564	455	375	313	263	221
Deflection [mm]	7	12	19	27	36	56	78	102	127	152	175
FPL [kg]	876	775	694	628	573	470	379	313	261	219	184
Deflection [mm]	7	12	19	27	37	59	83	108	135	161	186
	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
UDL [lbs/ft]	987.12	639.04	440.14	320.53	243.25	151.87	102.14	71.90	52.41	38.97	29.57
Deflection [in]	0.39	0.59	0.87	1.18	1.57	2.44	3.54	4.84	6.34	8.07	10.00
CPL [lbs]	5789.34	4982.45	4334.29	3681.72	3187.88	2486.81	2006.21	1653.47	1380.09	1159.63	974.44
Deflection [in]	0.28	0.47	0.71	0.98	1.26	2.01	2.91	4.02	5.31	6.85	8.58
TPL [lbs]	3659.67	3218.75	2868.21	2583.82	2350.13	1865.11	1505.76	1241.20	1033.97	868.62	731.93
Deflection [in]	0.31	0.51	0.79	1.14	1.54	2.36	3.31	4.33	5.35	6.42	7.40
QPL [lbs]	2440.52	2145.10	1911.41	1724.01	1567.49	1243.41	1003.10	826.73	690.05	579.82	487.22
Deflection [in]	0.28	0.47	0.75	1.06	1.42	2.20	3.07	4.02	5.00	5.98	6.89
FPL [lbs]	1931.25	1708.58	1530.01	1384.50	1263.25	1036.17	835.55	690.05	575.41	482.81	405.65
Deflection [in]	0.28	0.47	0.75	1.06	1.46	2.32	3.27	4.25	5.31	6.34	7.32

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.

## LOADING TABLES – CENTRAL SPECIAL TUBE

	4 m	5 m	6 m	7 m	8 m	10 m	12 m	14 m	16 m	18 m	20 m
UDL [kg/m]	800	800	655	477	362	226	152	107	78	58	44
Deflection [mm]	5	13	22	30	40	62	90	123	161	205	254
CPL [kg]	800	800	800	800	800	800	800	750	626	526	442
Deflection [mm]	2	4	8	12	19	37	66	102	135	174	218
TPL [kg]	800	800	800	800	800	800	683	563	469	394	332
Deflection [mm]	4	7	12	19	29	57	84	110	136	163	188
QPL [kg]	800	800	800	782	711	564	455	375	313	263	221
Deflection [mm]	5	10	17	27	36	56	78	102	127	152	175
FPL [kg]	800	775	694	628	573	470	379	313	261	219	184
Deflection [mm]	6	12	19	27	37	59	83	108	135	161	186
	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
UDL [lbs/ft]	537.58	537.58	440.14	320.53	243.25	151.87	102.14	71.90	52.41	38.97	29.57
Deflection [in]	0.20	0.51	0.87	1.18	1.57	2.44	3.54	4.84	6.34	8.07	10.00
CPL [lbs]	1763.70	1763.70	1763.70	1763.70	1763.70	1763.70	1763.70	1653.47	1380.09	1159.63	974.44
Deflection [in]	0.08	0.16	0.31	0.47	0.75	1.46	2.60	4.02	5.31	6.85	8.58
TPL [lbs]	1763.70	1763.70	1763.70	1763.70	1763.70	1763.70	1505.76	1241.20	1033.97	868.62	731.93
Deflection [in]	0.16	0.28	0.47	0.75	1.14	2.24	3.31	4.33	5.35	6.42	7.40
QPL [lbs]	1763.70	1763.70	1763.70	1724.01	1567.49	1243.41	1003.10	826.73	690.05	579.82	487.22
Deflection [in]	0.20	0.39	0.67	1.06	1.42	2.20	3.07	4.02	5.00	5.98	6.89
FPL [lbs]	1763.70	1708.58	1530.01	1384.50	1263.25	1036.17	835.55	690.05	575.41	482.81	405.65
Deflection [in]	0.24	0.47	0.75	1.06	1.46	2.32	3.27	4.25	5.31	6.34	7.32