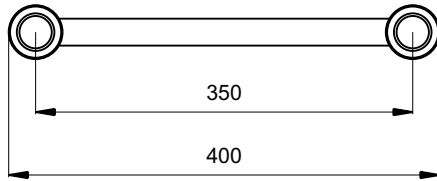
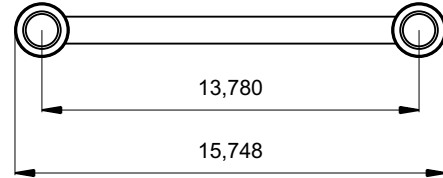


SIZE IN MILLIMETERS



SIZE IN INCHES



SPECIFICATIONS HT42

TUBES	50x3mm (2 x 0.12inch)
BRACES	25x3mm (1 x 0.12inch)
ALLOY	EN-AW 6082 T6



STRAIGHT SEGMENT LENGTHS HT42

CODE	LENGTH		WEIGHT	
HT42-50	0.5m	1.64ft	2.3kg	4.98lbs
HT42-75	0.75m	2.46ft	3.1kg	6.77lbs
HT42-100	1m	3.28ft	3.9kg	8.58lbs
HT42-150	1.5m	4.92ft	5.4kg	11.93lbs
HT42-200	2m	6.56ft	6.9kg	15.15lbs
HT42-250	2.5m	8.20ft	8.4kg	18.48lbs
HT42-300	3m	9.84ft	10.0kg	22.09lbs
HT42-350	3.5m	11.48ft	11.5kg	25.38lbs
HT42-400	4m	13.12ft	13.0kg	28.73lbs
HT42-450	4.5m	14.76ft	14.5kg	32.02lbs
HT42-500	5m	16.40ft	16.1kg	35.46lbs

LOADING TABLES HT42

	2m	4m	6m	8m	10m	12m	14m	16m
Distrib. Load [kg/m]	1042	332	153	87	57	40	29	21
Deflection [mm]	1.1	5.9	14	25.7	42.1	63.5	87.9	115.2
Point load [kg]	1042	664	459	349	286	243	204	172
Deflection [mm]	0.9	4.7	11.3	20.8	34.3	52	72.5	95.9
	6.56ft	13.12ft	19.68ft	26.24ft	32.81ft	37.37ft	45.93ft	52.49ft
Distrib. Load [lb/ft]	700.3	223.1	102.8	58.5	38.3	26.9	19.5	14.1
Deflection [inch]	0.04	0.2	0.6	1	1.7	2.5	3.5	4.5
Point load [lb]	2297.6	1464.1	1012.1	769.5	630.6	535.8	449.8	379.3
Deflection [inch]	0.04	0.2	0.4	0.8	1.4	2	2.9	3.8

The listed loads are verified for simply supported beam.

The truss needs to be secured against horizontal movement every 1m for the loading tables to be valid.