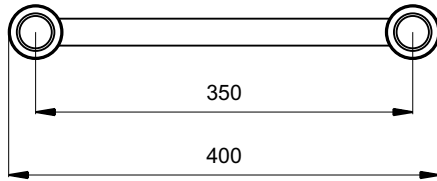
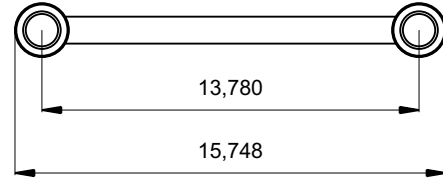


SIZE IN MILLIMETERS



SIZE IN INCHES



SPECIFICATIONS FT42

TUBES	50x2mm (2 x 0.08inch)
BRACES	25x3mm (1 x 0.12inch)
ALLOY	EN-AW 6082 T6



STRAIGHT SEGMENT LENGTHS FT42

CODE	LENGTH		WEIGHT	
FT42-50	0.5m	1.64ft	2.0kg	4.32lbs
FT42-75	0.75m	2.46ft	2.6kg	5.69lbs
FT42-100	1m	3.28ft	3.2kg	7.08lbs
FT42-150	1.5m	4.92ft	4.4kg	9.59lbs
FT42-200	2m	6.56ft	5.5kg	12.04lbs
FT42-250	2.5m	8.20ft	6.6kg	14.53lbs
FT42-300	3m	9.84ft	7.8kg	17.24lbs
FT42-350	3.5m	11.48ft	8.9kg	19.69lbs
FT42-400	4m	13.12ft	10.1kg	22.27lbs
FT42-450	4.5m	14.76ft	11.2kg	24.65lbs
FT42-500	5m	16.40ft	12.4kg	27.34lbs

LOADING TABLES FT42

	2m	4m	6m	8m	10m	12m	14m	16m
Distrib. Load [kg/m]	756	243	109	61	39	27	19	14
Deflection [mm]	1.2	6.4	14.7	26.7	42.7	63	87.8	115.3
Point load [kg]	756	486	327	245	195	161	135	113
Deflection [mm]	1	5.1	11.8	21.6	34.8	51.8	72.9	96.7
	6.56ft	13.12ft	19.68ft	26.24ft	32.81ft	37.37ft	45.93ft	52.49ft
Distrib. Load [lb/ft]	508.1	163.3	73.3	41	26.2	18.1	12.8	9.4
Deflection [inch]	0.05	0.3	0.6	1.1	1.7	2.5	3.5	4.5
Point load [lb]	1667	1071.6	721	540.2	430	355	297.7	249.2
Deflection [inch]	0.04	0.2	0.5	0.9	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.