

SPECIFICATIONS FT44

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



SPECIFICATIONS HT44

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

STRAIGHT SEGMENT LENGTHS FT44

CODE	LENGTH		WEIGHT	
FT44-50	0.5m	1.64ft	5.0kg	11.05lb
FT44-100	1m	3.28ft	8.4kg	18.48lb
FT44-150	1.5m	4.92ft	11.3kg	24.96lb
FT44-200	2m	6.56ft	14.1kg	31.11lb
FT44-250	2.5m	8.20ft	17.0kg	37.49lb
FT44-300	3m	9.84ft	20.3kg	44.67lb
FT44-350	3.5m	11.48ft	23.1kg	50.85lb
FT44-400	4m	13.12ft	26.1kg	57.57lb
FT44-450	4.5m	14.76ft	28.8kg	63.50lb
FT44-500	5m	16.40ft	32.0kg	70.58lb

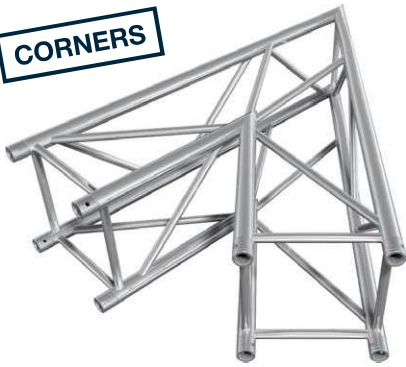
STRAIGHT SEGMENT LENGTHS HT44

CODE	LENGTH		WEIGHT	
HT44-50	0.5m	1.64ft	5.6kg	12.24lb
HT44-100	1m	3.28ft	9.7kg	21.34lb
HT44-150	1.5m	4.92ft	13.4kg	29.50lb
HT44-200	2m	6.56ft	16.9kg	37.33lb
HT44-250	2.5m	8.20ft	20.6kg	45.38lb
HT44-300	3m	9.84ft	24.6kg	54.22lb
HT44-350	3.5m	11.48ft	28.1kg	61.96lb
HT44-400	4m	13.12ft	31.9kg	70.34lb
HT44-450	4.5m	14.76ft	35.4kg	78.06lb
HT44-500	5m	16.40ft	39.4kg	86.85lb

LOADING TABLES FT44 / HT44

	2m		4m		6m		8m		10m		12m		14m		16m	
Distrib. Load [kg/m]	1805	2327	595	901	274	417	163	243	106	162	73	112	52	82	38	61
Deflection [mm]	1.5	1.3	7.8	8	18.4	18.9	35.2	35.4	57.3	58.8	83.5	86.5	114.9	119.8	151.1	158.7
Point load [kg]	1805	3267	1190	1803	823	1252	653	971	532	811	436	675	364	573	304	477
Deflection [mm]	1.2	1.4	6.2	6.4	14.8	15.2	28.5	28.5	46.6	47.6	68.4	70.5	94.7	98.3	124.5	127.8
	6.56ft		13.12ft		19.68ft		26.24ft		32.81ft		39.37ft		45.93ft		52.49ft	
Distrib. Load [lb/ft]	1213.1	1563.9	399.9	605.5	184.1	280.2	109.5	163.3	71.2	108.9	49.1	75.3	34.9	55.1	25.5	41
Deflection [inch]	0.1	0.1	0.3	0.3	0.7	0.7	1.4	1.4	2.3	2.3	3.3	3.4	4.5	4.7	5.9	6.2
Point load [lb]	3980	7203.7	2624	3975.6	1814.7	2760.7	1439.9	2141.1	1173.1	1788.3	961.4	1488.4	802.6	1263.5	670.3	1051.8
Deflection [inch]	0.05	0.1	0.2	0.3	0.6	0.6	1.1	1.1	1.8	1.9	2.7	2.8	3.7	3.9	4.9	5

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.

CORNERS

FT44-C19

 14.1kg
(31.13lb)


2-way 45° corner



1.5m (4.92ft)

HT44-C19

 17.2kg
(37.37lb)

FT44-C20

 9.5kg
(21.05lb)


2-way 60° corner



1m (3.28ft)

HT44-C20

 11.4kg
(25.15lb)

FT44-C21

 6.1kg
(13.44lb)


2-way 90° corner



0.5m (1.64ft)

HT44-C21

 6.7kg
(14.79lb)

FT44-C22

 6.8kg
(14.97lb)


2-way 120° corner



0.5m (1.64ft)

HT44-C22

 7.8kg
(17.11lb)

FT44-C23

 7.0kg
(15.41lb)


2-way 135° corner



0.5m (1.64ft)

HT44-C23

 8.0kg
(17.73lb)

FT44-C30

 7.8kg
(17.09lb)


3-way 90° corner



0.5m (1.64ft)

HT44-C30

 8.4kg
(18.50lb)

FT44-T35

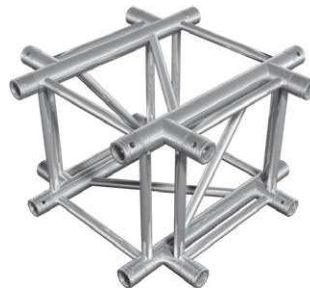
 7.0kg
(15.39lb)


3-way T-junction



0.6x0.5m (1.97x1.64ft)

HT44-T35

 7.7kg
(17.06lb)

FT44-C41

 8.6kg
(19.00lb)


4-way cross junction



0.6m (1.97ft)

HT44-C41

 9.4kg
(20.73lb)

FT44-T42

 8.6kg
(19.00lb)


4-way T-junction





 0.6x0.5x0.5m
(1.97x1.64x1.64ft)

HT44-T42

 9.4kg
(20.73lb)



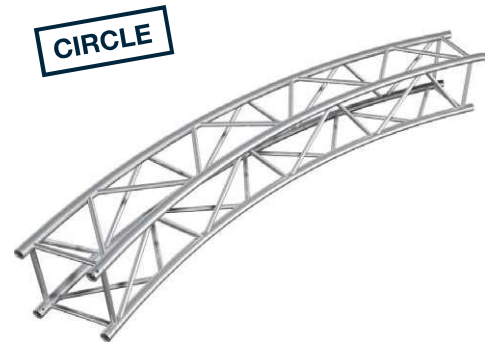
FT44-T51

 9.5kg
 (20.96lb)
 5-way junction
 0.6x0.6x0.5m
 (1.97x1.97x1.64ft)



FT44-42F

 3.34kg
 (7.36lb)
 Frame FT44+FT42 / Frame
 HT44+HT42



CIRCLE

FT44-C

 Circle
 various diameters

HT44-T51

 10.4kg
 (22.83lb)




HT44-42F

 3.84kg
 (8.47lb)

HT44-C



FT44-MCB




 9.6kg
 (20.96lb)
 Multi connection box
 0.4m (1.31ft)

HT44-MCB


 10.9kg
 (23.94lb)



FT44-HC

 15 kg
 (33 lb)
 0 - 80°
 0.7 m (2.3 ft)

HT44-HC

 15.7 kg
 (33.61 lb)

Includes 2 connection sets for two ways.*