

## SPECIFICATIONS

TUBES	35x2 (1.4 x 0.08inch)
BRACES	8mm (0.3inch)
ALLOY	EN-AW 6060 T66



## STRAIGHT SEGMENT LENGTHS

CODE	LENGTH		WEIGHT	
FT22-50	0.5m	1.64ft	0.8kg	1.75lb
FT22-75	0.75m	2.46ft	1.1kg	2.45lb
FT22-100	1m	3.28ft	1.3kg	2.80lb
FT22-150	1.5m	4.92ft	2.1kg	4.62lb
FT22-200	2m	6.56ft	2.8kg	6.10lb
FT22-250	2.5m	8.20ft	3.4kg	7.54lb
FT22-300	3m	9.84ft	4.1kg	8.98lb
FT22-350	3.5m	11.48ft	4.7kg	10.44lb
FT22-400	4m	13.12ft	5.4kg	11.88lb

## LOADING TABLES

	2m	3m	4m	6m	8m	10m
Distrib. Load [kg/m]	101	67	48	21	11	7
Deflection [mm]	0.9	2.9	6.6	15.5	27.7	43.6
Point load [kg]	196	129	96	63	44	33
Deflection [mm]	1.3	3	5.4	12.6	22.9	36.7
	6.56ft	9.84ft	13.12ft	19.68ft	26.24ft	32.81ft
Distrib. Load [lb/ft]	67.9	45	32.3	14.1	7.4	4.7
Deflection [inch]	0.04	0.1	0.3	0.6	1.1	1.7
Point load [lb]	432.2	284.4	211.7	138.9	97	72.8
Deflection [inch]	0.1	0.1	0.2	0.5	0.9	1.4

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.

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.

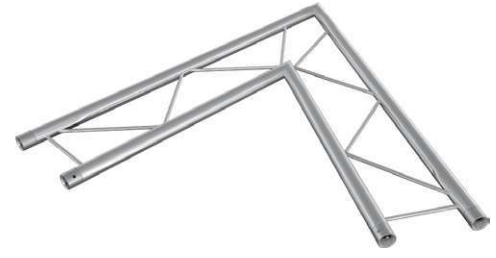
**CORNERS**

**FT22-C19-H**

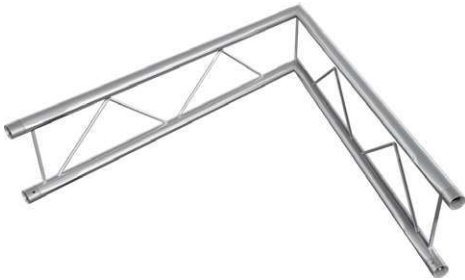
2.1kg (4.68lb)  
 2-way 45° corner horizontal  
 1m (3.28ft)


**FT22-C19-V**

2.7kg (5.90lb)  
 2-way 45° corner vertical  
 1m (3.28ft)


**FT22-C20-H**

2.3kg (5.05lb)  
 2-way 60° corner horizontal  
 1m (3.28ft)


**FT22-C20-V**

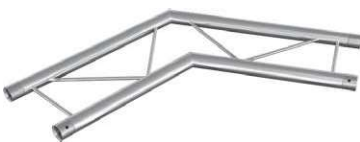
2.7kg (5.90lb)  
 2-way 60° corner vertical  
 1m (3.28ft)


**FT22-C21-H**

1.2kg (2.61lb)  
 2-way 90° corner horizontal  
 0.5m (1.64ft)


**FT22-C21-V**

1.4kg (3.12lb)  
 2-way 90° corner vertical  
 0.5m (1.64ft)


**FT22-C22-H**

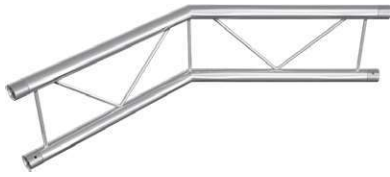
1.3kg (2.80lb)  
 2-way 120° corner horizontal  
 0.5m (1.64ft)


**FT22-C22-V**



1.4kg (3.07lb)  
 2-way 120° corner vertical  
 0.5m (1.64ft)


**FT22-C23-H**

1.3kg (2.88lb)  
 2-way 135° corner horizontal  
 0.5m (1.64ft)






**FT22-C23-V**

 1.4kg (3.12lb)  
 2-way 135° corner vertical  
 0.5m (1.64ft)






**FT22-C30-H**

 1.9kg (4.09lb)  
 3-way 90° corner horizontal  
 0.5m (1.64ft)






**FT22-C30-V**

 1.8kg (4.07lb)  
 3-way 90° corner vertical  
 0.5m (1.64ft)






**FT22-T35-H**

 1.2kg (2.66lb)  
 3-way horizontal T-junction  
 0.5m (1.64ft)






**FT22-T35-V**

 1.4kg (3.19lb)  
 3-way vertical T-junction  
 0.5m (1.64ft)






**FT22-C41-H**

 1.3kg (2.78lb)  
 4-way horizontal cross junction  
 0.5m (1.64ft)






**FT22-C41-V**

 1.5kg (3.39lb)  
 4-way vertical cross junction  
 0.5m (1.64ft)






**FT22-T42-H**

 1.9kg (4.14lb)  
 4-way horizontal T-junction  
 0.5m (1.64ft)



**FT22-T42-V**

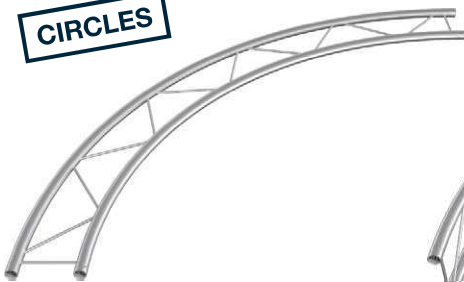
 1.9kg (4.14lb)  
 4-way vertical T-junction  
 0.5m (1.64ft)


**FT22-C44-H**

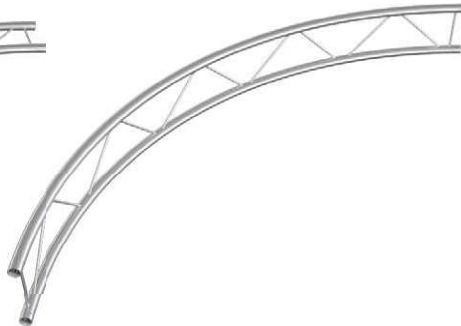
1.9kg (4.28lb)  
 4-way 90 corner vertical  
 0.5m (1.64ft)


**FT22-C44-V**

1.9kg (4.19lb)  
 4-way 90 corner vertical  
 0.5m (1.64ft)

**CIRCLES**

**FT22-CH**

Circle horizontal  
 various diameters


**FT22-CV**

Circle vertical  
 various diameters

