

# HD44 / FD44 Square Truss

Square Trussing with a square profile geometry for heavy loads

## Square Truss for Heavy loads

### HD44/FD44 SQUARE TRUSS

HD44 / FD44 with excellent load capacity on free spans of 18m / 16m or to be used as tower elements:

HD44 / FD44 straight elements lend themselves to use as span exposed to bending stress resistant span up to 18m or as standard tower element.

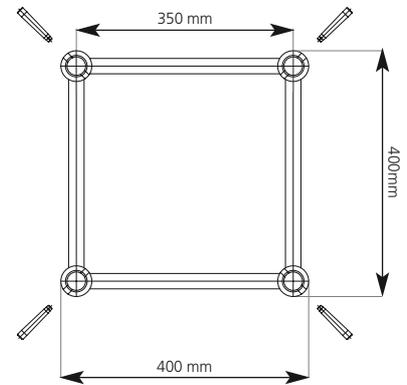
HD44 using the 3mm wall thickness as-

ures durability and extra strength. Designed for high frequency usage or installations, which demand higher loading.

Ideal trussing system for rental, touring and exhibition companies.

Made with the fast connection system and approved according the DIN 4113 specifications by the TUV.

Dimensions HD44 / FD44



#### HD44 TRUSS

#### FACTS

- Increased wall thickness of 3mm for 50mm main tubes
- Increased loading compared to FD44 (up to 50%)
- Also available as TD44 Tower Truss (one side horizontal brace)
- TuV approved

#### FD44 TRUSS

#### FACTS

- Tolerance free conical connector
- 2mm Wall thickness of 50mm main tubes
- Also available in any non-standard length and shape
- TuV approved



HD/FD44

HD/FD43

HD/FD42

HD/FD34

HD/FD33

HD/FD32

Measurements:	HD44	FD44
Main tube:	50x 3mm	50x 2mm
Braces:	25x 2mm	25x 2mm
Material:	EN AW-6082 T6	
Connection:	CS1-CON	
Weight:	~9,5 kg/m	~7,5 kg/m

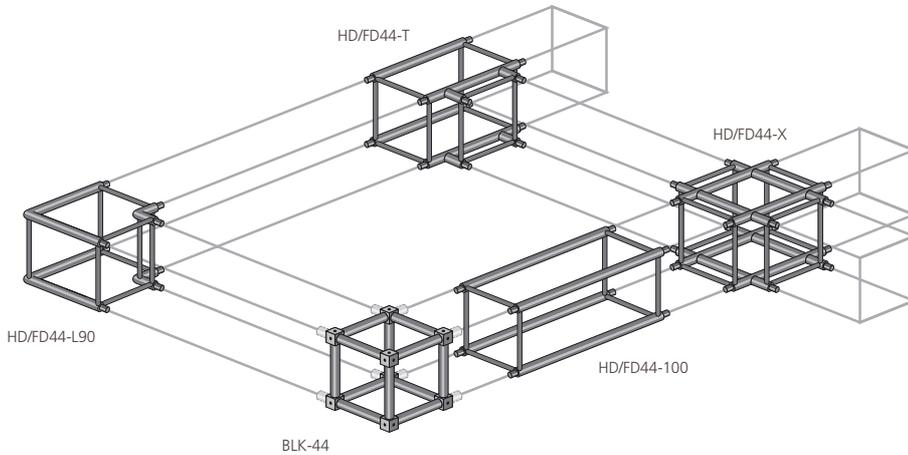
#### Loadcases HD44

Length (m)	5	6	8	10	12	14	16	18
CPL in kg	1750	1447	1068	837	680	565	476	405
Deflection in mm	12	17	30	48	69	95	125	160
UDL in kg/m	599	482	267	167	113	81	59	45
Deflection in mm	13	21	36	56	78	103	130	157

# HD44 / FD44 Square Truss

Universal Corner Block for various shapes

## One level construction



## HD44 / FD44 CORNER

These elements allow constructions in up to two levels, thus permitting almost limitless possibilities for the realization of creative ideas.

To avoid various corner problems or increasing strength in the corner parts, the universal corner block with bold on receivers of 100mm is the answer.

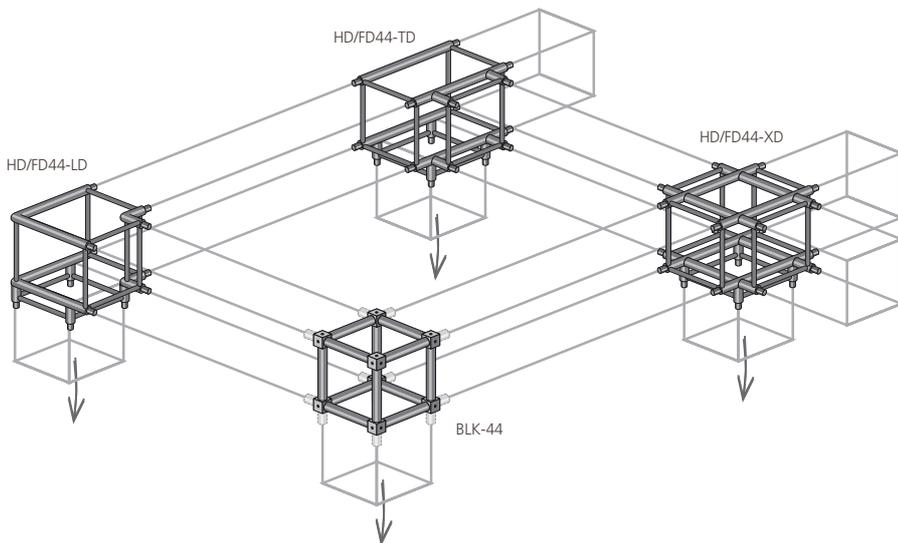
Complementary accessories and the article codes of the HD44 System can be found at the page 162. For FD44 System look at page 164.

### Measurement Corners for HD44 / FD44

Cornercode	Size in cm
HD/FD44-L45	150 x 150
HD/FD44-L60	100 x 100
HD/FD44-L90	50 x 50
HD/FD44-L120	50 x 50
HD/FD44-L135	50 x 50
HD/FD44-T	60 x 50
HD/FD44-X	60 x 60
HD/FD44-LD	50 x 50
HD/FD44-TD	60 x 50 x 50
HD/FD44-XD	60 x 60 x 50
HD/FD44-XUD	60 x 60 x 60
BLK-44	90° in 6 dir.
CS1-BOB100	100mm*
SC-4X	0-180°, Swivelcorner
SB-4X	0-180°, Swivelbase
BC-4X	0-180°, Bookcorner

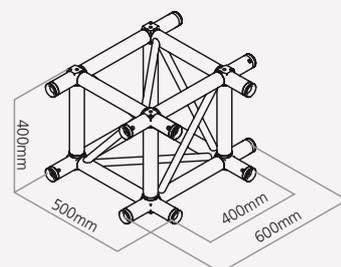


## Two level construction



### Loadcases FD44

Length (m)	5	6	8	10	12	14	16
CPL in kg	1190	990	730	570	470	390	330
Deflection in mm	12	17	31	49	72	99	132
UDL in kg/m	470	330	183	115	78	56	42
Deflection in mm	15	21	38	60	87	120	161



\*4 pcs. required for one attachment

HD/FD44

HD/FD43

HD/FD42

HD/FD34

HD/FD33

HD/FD32