



HD24 Square Truss

New added to the range is a box truss with the heavy duty ingredients but limited in size.

The HD24 is only 195x195mm and therefore perfect to use where low height but medium to heavy loads are needed up to free spans of 14m. The truss is made of 50x3mm main tube, build with the standard conical connector and with its small size, the perfect truss for minimum storage and trucking space.

The horizontal pin position assures a fast and easy setup. Corner Blocks are available.

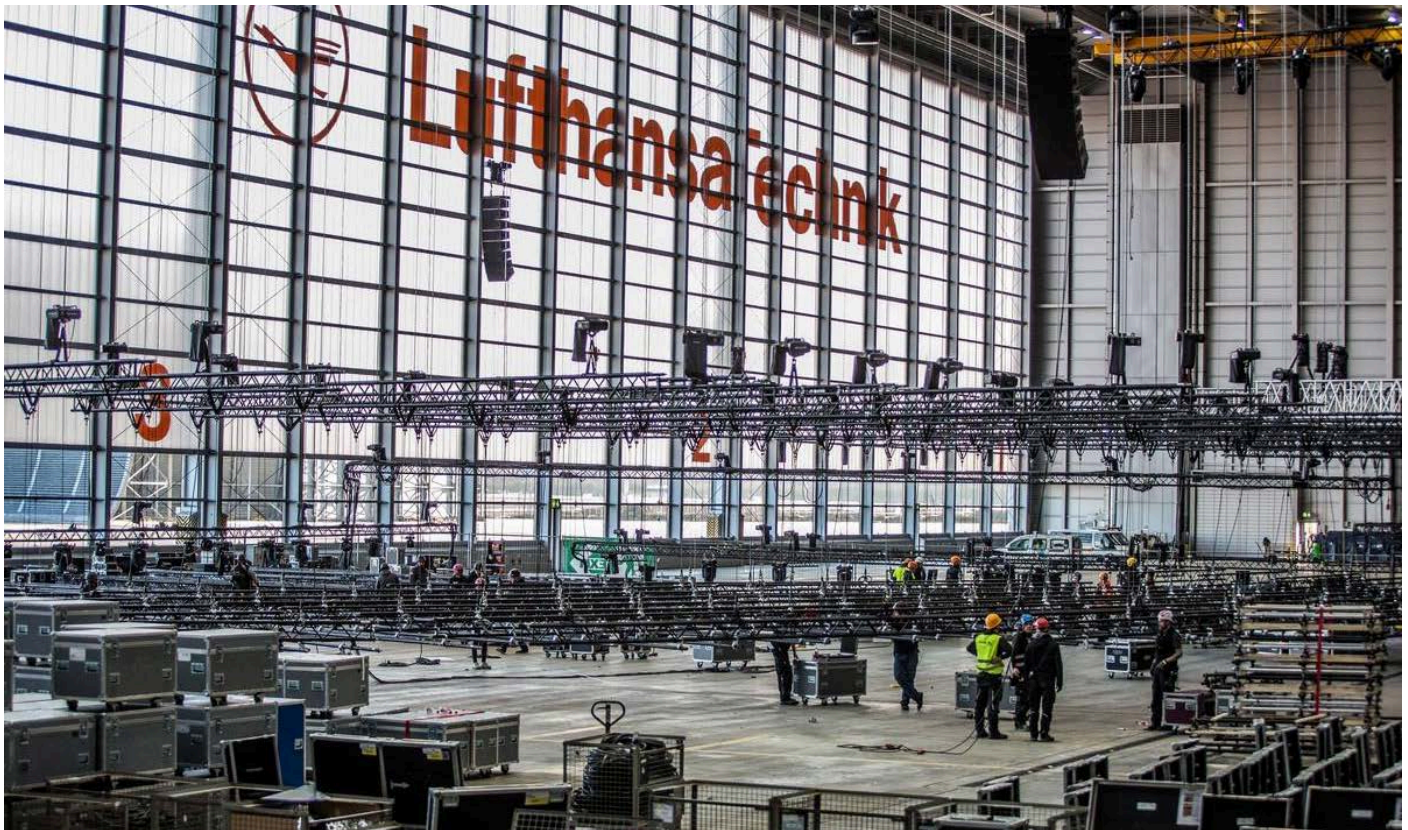
Made with the fast connection system and approved according to the DIN EN 1999-1-1 & 1999-1-1/A2 (Eurocode 9).

Facts

- Special bracing pattern
- Strong maintube & standard CS1-CON
- Horizontal pin position which ease and fasten installation
- Universal corner block system allowing you to make all directions
- Low headroom

Specifications HD24

	Metric	Imperial
Height:	195 mm	7.7 in
Width:	195 mm	7.7 in
Main Tube:	50 x 3 mm	1.91 x 0.12 in
Braces:	20 x 2 mm	0.78 x 0.12 in
Weight:	~5 kg/m	~3.35 lbs/ft
Pin Position:	Horizontal	
Material:	EN AW-6082 T6	
Connection:	CS1 - CON	



HD24 Loading charts

Metric loading charts

Span*	UDL		CPL		1/3 Point Load		1/4 Point Load		1/5 Point Load	
	kg/m	mm**	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
2	1260	3,8	2063	4,9	1260	5,1	840	4,8	630	4,6
4	512	24,6	1024	19,8	768	25,2	512	23,4	427	24,8
6	225	55,5	675	44,7	507	56,7	338	52,8	281	56,0
8	125	98,9	499	79,9	374	101,0	249	94,1	208	99,6
10	78	154,8	391	125,8	293	158,1	195	147,6	163	156,0
14	38	305,3	263	251,5	197	311,3	132	291,8	110	307,4

* in meters / ** mm is the deflection of the truss at the given load

Imperial loading charts

Span*	UDL		CPL		1/3 Point Load		1/4 Point Load		1/5 Point Load	
	lbs/ft	in**	lbs	in	lbs (2x)	in	lbs (3x)	in	lbs (4x)	in
6,56	846	1	4547	2	2777	2	1851	2	1388	2
13,12	344	10	2258	8	1694	10	1129	9	941	10
19,68	151	22	1489	18	1117	22	745	21	620	22
26,25	84	39	1099	31	824	40	549	37	458	39
32,81	52	61	861	50	646	62	431	58	359	61
45,93	25	120	580	99	435	123	290	115	242	121

* in feet / ** in is the deflection of the truss at the given load

Loading figures are based on Eurocode 9 standards and calculated according DIN EN 1991-1-1 (& /A2); to comply to ANSI, the loading data needs to be multiplied by 0,85.