

**NEW
PRODUCT**

Special insert plates

Plates between maintubes for additional center tube

Brace

25x2 mm brace

Maintube

50x4 mm maintube

HDX45 LED Truss

HDX45 is a square truss based on the "Eurotruss original" HD44 Truss, are you having issues with placing loads like LED screens, lighting fixtures, or decor on a central position of the truss? Then look no further. HDX45 is the best solution!

The HDX45 truss is based on 50x4 mm main tube which ensures strength and maximum durability, the truss is designed for high-frequency usage or fixed installations. It is available in standard lengths up to 4 meters. A 50x4 mm additional tube is placed in the center of the truss at the bottom and allows rigging bars of LED screens or other loads to be connected directly. This center chord has a slightly higher trim height than other LED Screen Truss solutions, and the use of narrow aluminum plates instead of tubes allows more space for the positioning of clamps or slings. If the additional center tube is used, logically other loading capacities apply. Therefore, multiple load tables have been made available for this truss. These are discussed in more detail in the following pages.

HDX45 can be combined with HD44 truss lengths because it has the same geometry size*. The truss is also equipped with our well-known CS1 coupling system. Finishing by powder coating in various colors is available upon request.

**Please consider deadweights of the heavier system in combination with the loadability of the HD44*

Facts


- Additional tube for centered loading (not welded)
- Creates a low trim height
- 4 mm wall thickness 50 mm main tube
- Can be combined with HD44
- Tolerance free conical connector system
- High stability aluminium alloy

Specifications HDX45 Square LED Truss

	Metric	Imperial
Height:	400 mm	15.75 in
Width:	400 mm	15.75 in
Main Tube:	50 x 4 mm	1.97 x 0.16 in
Braces:	25 x 2 mm	0.98 x 0.08 in
Weight:	~11 kg/m	5 lbs/ft
Pin Position:	Diagonal	
Material:	EN AW-6082 T6	
Connection:	CS1 - CON	

HDX45 Loading charts

Central tube - Metric loading charts




Span m	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 (3x)	mm
4	812	5,4	540	*	540	*	540	*	540	*
5	648	10,6	540	*	540	*	540	*	540	*
6	538	18,3	540	*	540	*	540	*	540	*
7	367**	23,3	540	*	540	*	540	*	531**	23,3
8	242**	26,7	540	*	540	*	510**	26,7	400**	26,7
9	167**	30	540	*	540	*	395**	30	310**	30
10	119**	33,3	540	*	434*	33,3	312**	33,3	245**	33,3
11	86**	36,7	540	*	348*	36,6	250**	36,7	196**	36,6
12	64**	40	478**	39,9	281*	40	202**	40	158**	40
13	48**	43,3	388**	43,3	228*	43,3	164**	43,4	128**	43,3
14	36**	46,7	315**	46,6	185*	46,6	133**	46,7	104**	46,6
16	20**	53,3	204**	53,2	120*	53,3	86**	53,2	68**	53,3
18	11**	60,1	124**	59,9	73*	60	52**	60	41**	60

*load on center tube limited

**load is limited by allowable minimal deflection, the deflection of the truss has an important role when rigging an LED screen to the truss. The number with the lowers deflection on (L/300) was used for the center tube)

Outer tube - Metric loading charts



Span m	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 (3x)	mm
4	812,1	5,4	2549*	6,8	1624,2	7,4	1082,8	6,8	812,1	6,5
5	647,7	10,6	2186*	11,4	1425*	12,7	1079,5	13,4	809,6	12,8
6	538,1	18,3	1899*	17,2	1264*	19,5	1003*	21,5	807,1	22
7	459,7	29,1	1692*	24,6	1146*	28,2	909,9	31,2	758,3	33
8	395,7	42,8	1504*	32,8	1033*	38,2	791,4	40,7	659,5	43,2
9	310,5	54,2	1370*	42,9	943*	50,1	698,7	51,6	582,3	54,7
10	249,6	67	1248,1	54,2	871*	63,9	624,1	63,8	520,1	67,5
11	204,6	81,2	1125	65,8	802*	78,9	562,5	77,3	468,8	81,8
12	170,3	96,7	1021,6	78,5	743*	95,9	510,8	92,2	425,7	97,4
13	143,6	113,6	933,3	92,5	693*	114,9	466,7	108,3	388,9	114,4
14	122,4	131,9	856,9	107,7	642,7	134,6	428,5	125,9	357,1	132,9
16	91,4	172,7	730,9	141,9	548,2	176,1	365,4	165	304,5	173,9
18	70,1	219,2	630,6	181,4	473	223,4	315,3	209,8	262,8	220,7

*Limited by interaction at offset

Load is limited by allowable minimal deflection, the deflection of the truss has an important role when rigging an LED screen to the truss. The number with the lowers deflection on (L/100) was used for the center tube)