

**NEW
PRODUCT**

Special insert plates

Plates between maintubes for additional center tube

Brace
20x2 mm brace

Maintube
50x4 mm maintube

HDX35 LED Truss

HDX35 is a square truss based on the "Eurotruss original" HD34 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. HDX35 is the best solution!

The HDX35 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.

HDX35 can be combined with HD34 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 HD34*

Facts

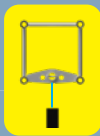
- Additional tube for centered loading (not welded)
- Creates a low trim height
- 4 mm wall thickness 50 mm main tube
- Can be combined with HD34
- Tolerance free conical connector system
- High stability aluminium alloy

Specifications HDX35 Square LED Truss

	Metric	Imperial
Height:	290 mm	11.42 in
Width:	290 mm	11.42 in
Main Tube:	50 x 4 mm	1.97 x 0.16 in
Braces:	20 x 2 mm	0.98 x 0.08 in
Weight:	~9,7 kg/m	6,4 lbs/ft
Pin Position:	Diagonal	
Material:	EN AW-6082 T6	
Connection:	CS1 - CON	

HDX35 Loading charts

Central tube - Metric loading charts

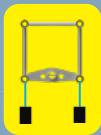


Span m	UDL		CPL		1/3 Point load		1/4 Point load		1/5 Point load	
	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (3x)	mm
4	563,0	8,0	650	*	650	*	650	*	562,6	9,6
5	448,0	15,6	650	*	650	*	633**	16,7	497**	16,7
6	273**	20,0	650	*	602**	20,0	432**	20,0	339**	20,0
7	168**	23,3	650	*	431**	23,3	309**	23,3	243**	23,3
8	109**	26,7	545**	26,7	320**	26,7	229**	26,7	180**	26,7
9	73**	30,0	411**	30,0	241**	30,0	173**	30,0	136**	30,0
10	50**	33,3	314**	33,3	184**	33,3	132**	33,3	104**	33,3
11	35**	36,7	241**	36,7	141**	36,7	101**	36,7	80**	36,7
12	24**	40,0	182**	40,0	107**	40,0	77**	40,0	60**	40,0
13	17**	43,3	136**	43,3	80**	43,3	57**	43,3	45**	43,3
14	11**	46,7	98**	46,7	58**	46,7	41**	46,7	32**	46,7
15	7**	50,0	66**	50,0	38**	50,0	28**	50,0	22**	50,0
16	4**	53,3	38**	53,3	22**	53,3	16**	53,3	13**	53,3

*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	563	8	1961	11	1125,2	10,8	750,1	10,1	562,6	9,6
5	448	15,6	1648	18,3	1109	20,9	746,8	19,6	560,1	18,8
6	372	26,9	1408	27,2	969	31,7	725,9	33,1	557,5	32,4
7	317	42,8	1235,1	38,2	861	45,2	617,6	45,1	514,6	47,8
8	268	62	1071,3	50,1	771	60,9	535,6	59	446,4	62,5
9	209	78,6	942,7	63,6	700	79,5	471,3	74,8	392,8	79,2
10	168	97,1	838,8	78,9	629,1	99,1	419,4	92,5	349,5	97,8
11	137	117,6	752,9	95,9	564,7	120,1	376,5	112,2	313,7	118,5
12	113	140,2	680,5	114,7	510,4	143	340,3	133,8	283,6	141,2
13	95	164,8	618,5	135,3	463,9	168,1	309,2	157,4	257,7	166
14	81	191,5	564,6	157,8	423,4	195,2	282,3	183,1	235,2	192,8
15	69	220,2	517,2	182,3	387,9	224,4	258,6	210,7	215,5	221,7
16	59	251	475,1	208,8	356,3	255,7	237,5	240,5	197,9	252,7

*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)