

## XD Rectangular Truss

XD straight elements lend themselves to use as span exposed to bending stress resistant spans for vertical loads at a free span of up to 20m (66 feet) at high load.

Predestined for indoor use, the XD Truss is characterized in particular by its slender shape and low packing volume.

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

**Note: The XD Truss System is standard equipped with diagonal pin positions but is also available with horizontal pin positions.**

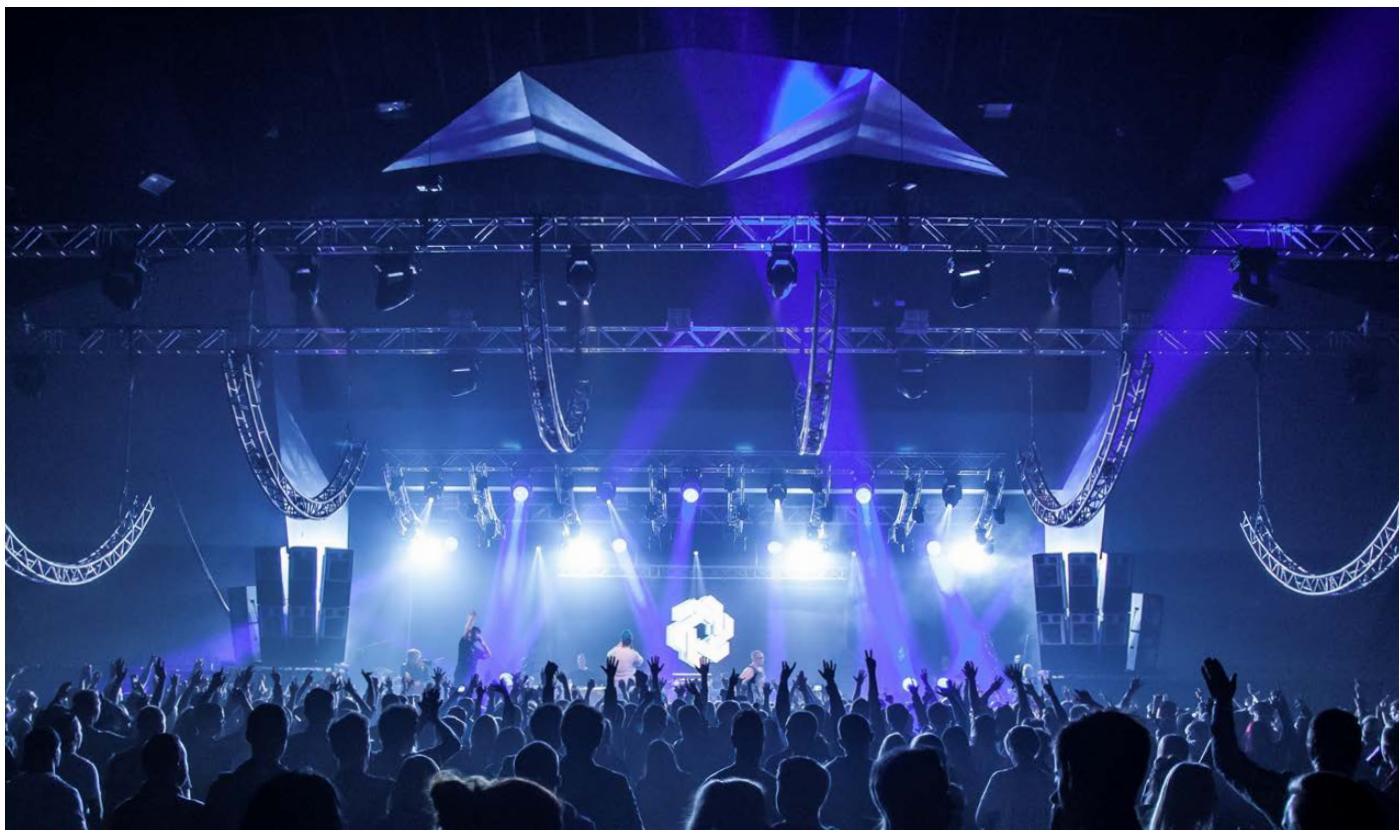
**(Add Code H for horizontal pin: like XD-300H).**

### Facts

- Tolerance free connection with conical connector
- High stability aluminium alloy
- Excellent load-bearing capacity combined with low dead weight
- 3 mm wall thickness of 50 mm main tube
- High load capacity at free spans up to 20 m.
- TÜV approved
- High wear resistance

### Specifications XD Rectangular

	<b>Metric</b>	<b>Imperial</b>
Height:	400 mm	15.75 in
Width:	290 mm	11.42 in
Main Tube:	50 x 3 mm	1.97 x 0.12 in
Braces:	25 x 3 mm	0.98 x 0.12 in
Weight:	~9 kg/m	~6 lbs/ft
Pin Position:	Horizontal or Diagonal	
Material:	EN AW-6082 T6	
Connection:	CS2-CON	



# XD 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
4	983	9	2157	7	1767	10	1240	18	983	10
8	304	43	1216	34	885	42	608	50	507	43
12	131	96	785	78	589	98	392	98	327	97
16	70	172	561	142	421	176	281	163	234	173
18	54	219	484	181	363	223	242	246	202	220
20	42	271	421	226	316	276	211	294	175	273

\* 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/ft	in	lbs/ft (2x)	in	lbs/ft (3x)	in	lbs/ft (4x)	in
13,12	660,5	0.35	4745,4	0.28	3887,4	0.39	2728,0	0.71	2162,6	0.39
26,25	204,3	1.69	2675,2	1.34	1947,0	1.65	1337,6	1.97	1115,4	1.69
39,37	88,0	3.78	1727,0	3.07	1295,8	3.86	862,4	3.86	719,4	3.82
52,50	47,0	6.77	1234,2	5.59	926,2	6.93	618,2	6.42	514,8	6.81
59,06	36,3	8.62	1064,8	7.13	798,6	8.78	532,4	9.69	444,4	8.66
65,62	28,2	10.67	926,2	8.90	695,2	10.87	464,2	11.57	385,0	10.75

\* 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.