

HD33 Triangle Truss



HD33, the Triangular Truss with equilateral profile geometry for larger loads. The HD33 straight elements lend themselves perfectly for making bending stress resistant spans up to 16 meters.

Designed for high frequency usage or installations, that demand higher loading.

HD33 is using the 3 mm wall thickness in the maintube which assures durability and extra strength.

Made with the fast CS1 connection system.

Facts

- TÜV approved
- Also available in any non-standard length and shape
- Tolerance free conical connector system
- Increased loading compared to FD33 (up to 50%)
- Increased wall thickness of 3 mm for 50 mm main tubes

Productcode Description

HD33-025A	HD33 Triangle Truss Length 25cm
HD33-050	HD33 Triangle Truss Length 50cm
HD33-075	HD33 Triangle Truss Length 75cm
HD33-100	HD33 Triangle Truss Length 100cm
HD33-150	HD33 Triangle Truss Length 150cm
HD33-200	HD33 Triangle Truss Length 200cm
HD33-250	HD33 Triangle Truss Length 250cm
HD33-300	HD33 Triangle Truss Length 300cm
HD33-350	HD33 Triangle Truss Length 350cm
HD33-400	HD33 Triangle Truss Length 400cm

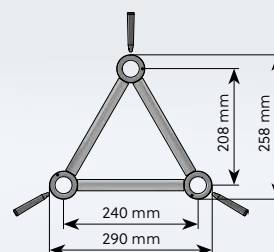
Custom lengths are available upon request

Specifications HD33

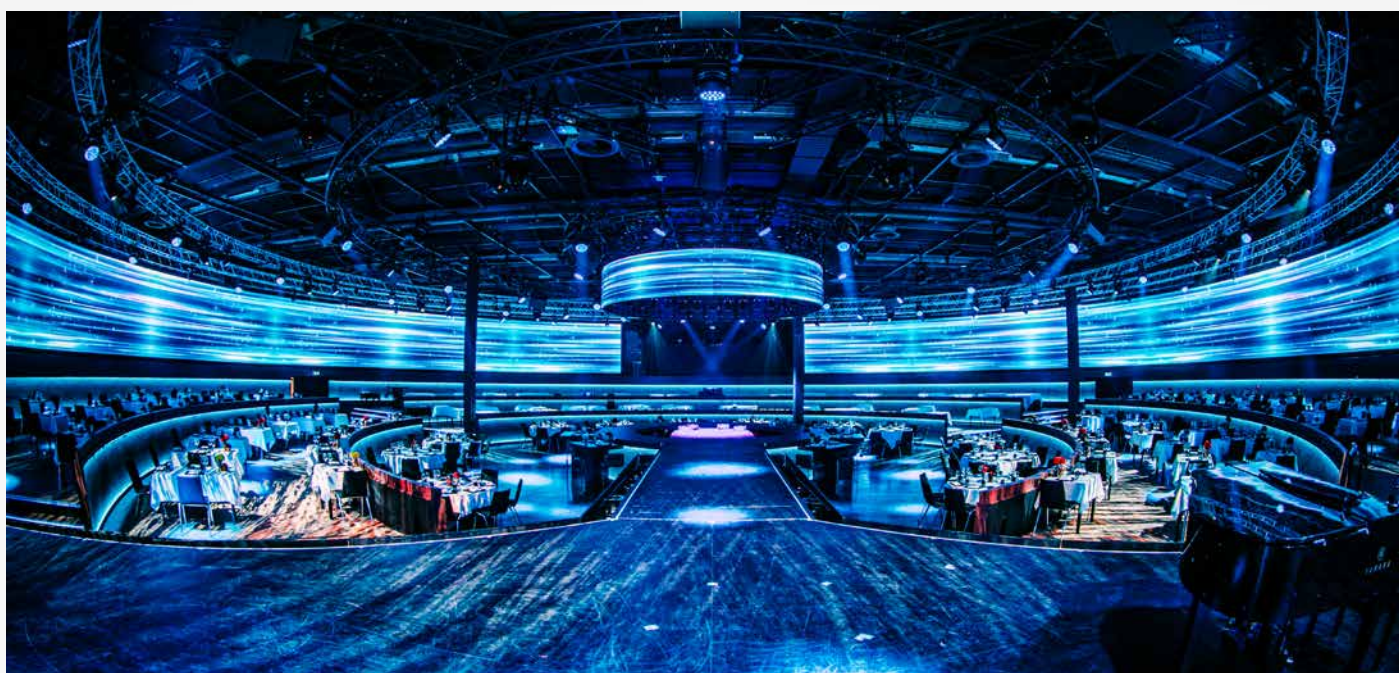
Height: 258 mm
Width: 290 mm
Main Tube: 50 x 3 mm
Braces: 20 x 2 mm

Weight: ~5,5 kg/m
Pin Position: Diagonal
Material: EN AW-6082 T6
Connection: CS1 - CON

Diagram



HD33 Triangle Truss Loading Charts



Madam Jeanette Dinner Show - Studio 21 - Nathan Reinds - 2019

Span	UDL		CPL		1/3 Point load		1/4 Point load		1/5 Point load	
m	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
3	653	7	980	6	735	8	490	7	408	7
5	232	21	580	17	425	21	290	20	242	21
8	88	53	350	43	263	54	175	51	146	53
11	44	101	242	83	181	103	121	96	101	101
14	25	164	176	138	132	167	88	158	73	167
16	18	216	149	183	108	220	72	208	60	217

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