

FD33 Triangle Truss



FD33, the Triangular Truss with equilateral profile geometry for larger loads. The FD33 straight elements lend themselves perfectly for making bending stress resistant spans up to 12 meters (39 feet).

Designed for high frequency usage or installations, which demands higher loading.

Made with the fast CS1 connection system.

Facts

- TÜV approved
- Also available in any non-standard length and shape
- Tolerance free conical connector system

Productcode Description

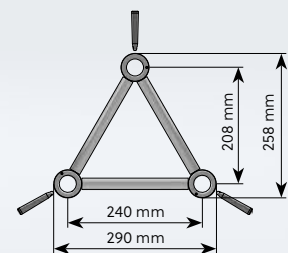
FD33-025A	FD33 Triangle Truss Length 25cm
FD33-050	FD33 Triangle Truss Length 50cm
FD33-075	FD33 Triangle Truss Length 75cm
FD33-100	FD33 Triangle Truss Length 100cm
FD33-150	FD33 Triangle Truss Length 150cm
FD33-200	FD33 Triangle Truss Length 200cm
FD33-250	FD33 Triangle Truss Length 250cm
FD33-300	FD33 Triangle Truss Length 300cm
FD33-350	FD33 Triangle Truss Length 350cm
FD33-400	FD33 Triangle Truss Length 400cm

Custom lengths are available upon request

Specifications FD33

Height:	258 mm	Weight:	~4,4 kg/m
Width:	290 mm	Pin Position:	Diagonal
Main Tube:	50 x 2 mm	Material:	EN AW-6082 T6
Braces:	20 x 2 mm	Connection:	CS1 - CON

Diagram



FD33 Triangle Truss Loading Charts



Caterpillar exhibition stand

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	444	7	667	6	500	8	333	7	278	8
5	157	21	393	17	295	21	197	20	164	21
8	59	53	236	43	177	54	118	51	98	53
10	36	83	182	68	136	85	91	80	76	84
11	29	1	161	83	121	103	81	97	67	102
12	24	120	144	100	108	123	72	115	60	121

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.