FD32 Ladder Truss

FD32 Ladder Truss, a truss for vertical and horizontal rigs, this truss made out of two main tubes combined with the eurotruss bracing pattern is already a great start.

Together with the tolerance free conical connector system the straight elements lend themselves perfectly to use a a span exposed to bending stress.

Combined with FD34 Truss they possess a broad range of applications.

Made with the fast CS1 connection system.

Facts

- TüV approved
- Also available in any non-standard length and shape
- Tolerance free conical connector system
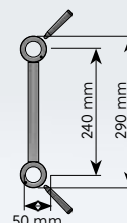- Compatible with FD34

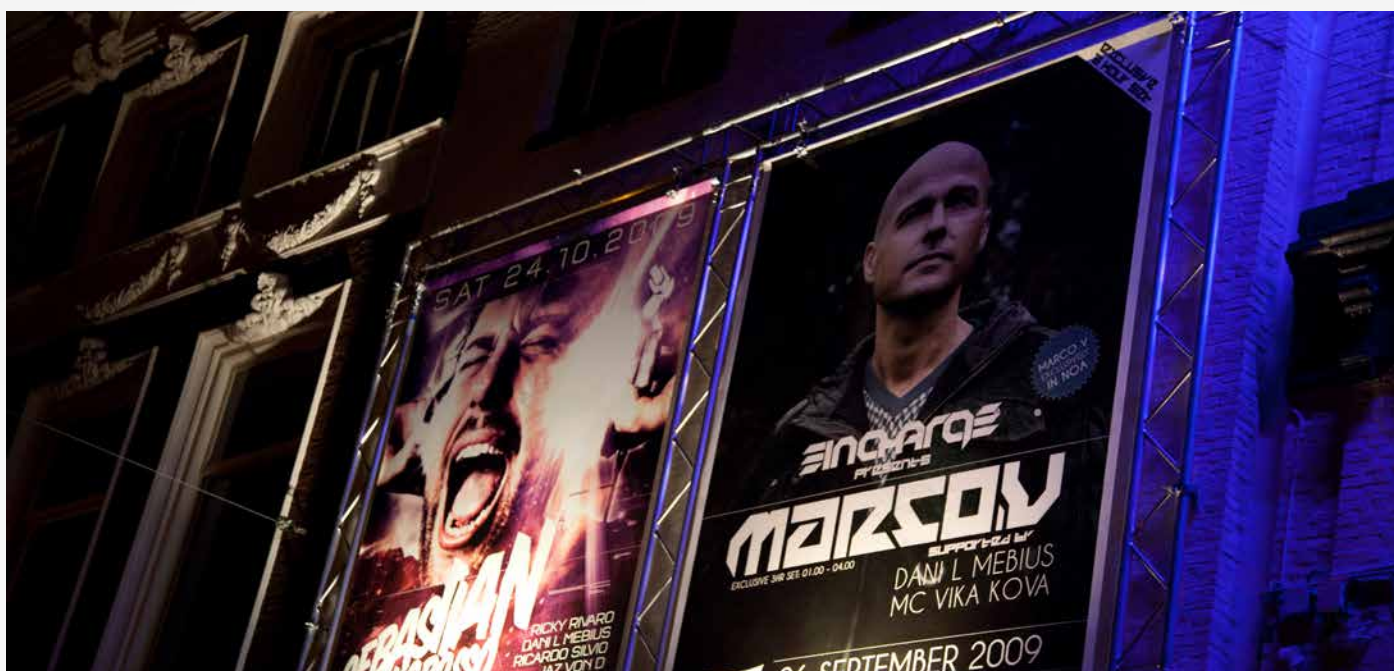| Productcode	Description
FD32-050	FD32 Ladder Truss Length 50cm
FD32-075	FD32 Ladder Truss Length 75cm
FD32-100	FD32 Ladder Truss Length 100cm
FD32-150	FD32 Ladder Truss Length 150cm
FD32-200	FD32 Ladder Truss Length 200cm
FD32-250	FD32 Ladder Truss Length 250cm
FD32-300	FD32 Ladder Truss Length 300cm
FD32-350	FD32 Ladder Truss Length 350cm
FD32-400	FD32 Ladder Truss Length 400cm

Custom lengths are available upon request

Specifications FD32

Height:	290 mm	Weight:	~3 kg/m
Width:	50 mm	Pin Position:	Diagonal
Main Tube:	50 x 2 mm	Material:	EN AW-6082 T6
Braces:	20 x 2 mm	Connection:	CS1 - CON

Diagram

240 mm
290 mm
50 mm

FD32 Ladder Truss Loading Charts

Club Noa - Leeuwarden - 2009

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
2	570	2	855*	2	570	3	380	2	285	2
3	379	6	687*	6	426*	7	322*	7	262*	7
4	284	15	565*	12	368*	13	286*	15	236*	15
6	127	35	380	28	282*	35	190	33	158	35
8	70	62	280	50	210	63	140	59	117	62
10	44	97	219	79	164	99	110	92	91	97

These values are usable for a lateral supported main tube. To reach full load capacity the maximum distance without lateral stabilization is: 1200 mm
* Limited by interaction of shear and moment at the connection, displacement connection is decisive!

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.

EUROTRUSS