

ST Square Truss



The ST Truss System meets the demand for a truss with a high load bearing capacity that lends itself to safe outdoor use, even at a free span of up to 24m with heavy load.

Due to its square shape geometry and the complete diagonal bracing all around, the ST Truss exhibits the same rigidity in vertical and horizontal directions and can thus be used as support for huge spans in many type of rigging situations. ST Truss is also the basic main truss in the majority of the Eurotruss Roof Systems such as SR30 and SR40.

The 4 mm wall thickness reduces transportation damage and guarantees extreme durability.

Made with the fast CS3 connection system

Facts

- Tolerance free connection with conical connector
- High Stability aluminium alloy
- Excellent load-bearing capacity combined with low dead weight
- 4 mm wall thickness of 50 mm main tube
- The main grid truss in Roof Systems combined with TD35 Tower
- TÜV approved
- High wear resistance

Productcode Description

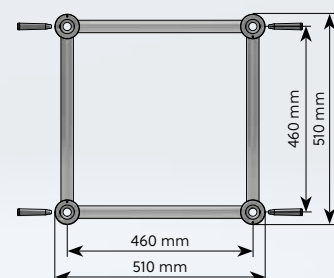
ST-075	ST Square Truss Length 75cm
ST-100	ST Square Truss Length 100cm
ST-150	ST Square Truss Length 150cm
ST-200	ST Square Truss Length 200cm
ST-250	ST Square Truss Length 250cm
ST-300	ST Square Truss Length 300cm
ST-350	ST Square Truss Length 350cm
ST-400	ST Square Truss Length 400cm

Custom lengths are available upon request

Specifications ST

Height:	510 mm	Weight:	~13,5 kg/m
Width:	510 mm	Pin Position:	Horizontal
Main Tube:	50 x 4 mm	Material:	EN AW-6082 T6
Braces:	30 x 3 mm	Connection:	CS3-CON

Diagram



ST Square Truss Loading Charts



Defqon 1 Biddinghuizen - Q-Dance - Jorrit van de Kolk 2023

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
6	848	17,3	2396	13,1	1983	18,4	1376,9	17,8	1147,4	18,9
9	401,1	42,2	1769	33,4	1191	38,1	902,6	40,2	752,1	42,5
12	220,3	75,2	1321,6	61,1	961	74,6	660,8	71,7	550,7	75,8
15	136,5	117,9	1024,1	96,5	768,1	120,3	512	112,6	426,7	118,8
18	91,1	170,5	819,6	140,8	614,7	173,8	409,8	163,1	341,5	171,7
21	63,6	233,1	668,3	194,7	501,2	237,4	334,1	223,5	278,4	234,7
24	45,8	306,2	550,1	259,0	412,6	311,4	275,1	294,4	229,2	308,0

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.