HD22 Ladder Truss

HD22, the ladder beam Truss which carries the best ingredients in terms of design, strength, durability and user friendliness. No compromise has been made and this truss is the perfect extension to your existing truss range.

HD22 has a symmetrical bracing pattern using 20x2 mm diagonals and straight end braces to optimize strength without compromising the symmetrical pattern for ideal outlining of your fixtures. The size of 200 mm in combination with the diagonal bracing pattern ensures maximum stability.

The main tube is a massive strong tube which guarantees maximum durability and strength. Welll chosen is the horizontal pin position which ease and fasten the set up.

Made with the fast CS1 connection system.

Facts

- Symmetrical bracing pattern
- Strong 48,4 x 4,47 main tube & standard CS1-CON
- Horizontal pin position which ease and fasten installation
- Universal corner block system allowing you to create all directions
- TüV approved

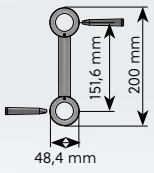
Productcode	Description
HD22-025A	HD22 Ladder Truss, L=25cm (adpt. piece)
HD22-050	HD22 Ladder Truss, L=50cm
HD22-100	HD22 Ladder Truss, L=100cm
HD22-150	HD22 Ladder Truss, L=150cm
HD22-200	HD22 Ladder Truss, L=200cm
HD22-250	HD22 Ladder Truss, L=250cm
HD22-300	HD22 Ladder Truss, L=300cm
HD22-400	HD22 Ladder Truss, L=400cm

Custom lengths are available upon request

Specifications HD22

Height:	200 mm	Weight:	~4,3 kg/m
Width:	48,4 mm	Pin Position:	Horizontal
Main Tube:	48,4 x 4,47 mm	Material:	EN AW-6082 T6
Braces:	20 x 2 mm	Connection:	CS1 - CON

Diagram



HD22 Ladder Truss Loading Charts

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Span	UDL		CPL		1/3 Point load		1/4Point load		1/5 Point load	
m	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
2	598	2	1196	4	598	3	399	3	299	3
3	397	8	890	10	596	11	397	10	298	10
4	297	19	664	17	498	22	332	21	277	22
6	145	49	436	39	327	50	218	47	182	49
8	80	87	320	71	240	89	160	83	133	88
10	50	137	249	112	187	140	124	131	104	138

These values are usable for a lateral supported main tube. To reach full load capacity the maximum distance without lateral stabilization is: 1300 mm.
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.