



HD22 Ladder Truss

HD22, a 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.

The HD22 is the product name as it indicates the usage of the standard FD/HD Connection and refer to a 2 point tube ladder structure with a dimension of 200mm. The HD22 has a symmetrical bracing pattern using 20x2mm diagonals and straight end braces to optimize strength without compromising the symmetrical pattern for ideal outlining of your fixtures. The size of 200mm in combination with the diagonal bracing pattern ensures maximum stability.

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

Made with the fast connection system and approved according the DIN EN 1999-1-1 & 1999-1-1/A2 (Eurocode 9).

Facts

- Symmetrical bracing pattern
- Massive strong maintube & standard CS1-CON
- Horizontal pin position which ease and fasten installation
- Universal corner block system allowing you to make all directions
- TÜV approved

Specifications HD22

	Metric	Imperial
Height:	200 mm	7.87 in
Width:	50 mm	1.97 in
Main Tube:	48,4 x 4,47 mm	1.91 x 0.18 in
Braces:	20 x 2 mm	0.79 x 0.08 in
Weight:	~4,3 kg/m	~2,9 lbs/ft
Pin Position:	Horizontal	
Material:	EN AW-6082 T6	
Connection:	CS1 - CON	



HD22 Loading charts

Metric loading charts

Span*	UDL		CPL		1/3 Point Load		1/4 Point Load		1/5 Point Load	
	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: 1200 mm.
 * in meters / ** mm is the deflection of the truss at the given load

Imperial loading charts

Span*	UDL		CPL		1/3 Point Load		1/4 Point Load		1/5 Point Load	
	lbs/ft	in**	lbs/ft	in	lbs/ft (2x)	in	lbs/ft (3x)	in	lbs/ft (4x)	in
6,56	401,8	0.08	2631,2	0.16	1315,6	0.12	877,8	0.12	657,8	0.12
9,84	266,8	0.31	1958,0	0.39	1311,2	0.43	873,4	0.39	655,6	0.39
13,12	199,6	0.75	1460,8	0.67	1095,6	0.87	730,4	0.83	609,4	0.87
19,69	97,4	1.93	959,2	1.54	719,4	1.97	479,6	1.85	400,4	1.93
26,25	53,8	3.43	704,0	2.80	528,0	3.50	352,0	3.27	292,6	3.46
32,81	33,6	5.39	547,8	4.41	411,4	5.51	272,8	5.16	228,8	5.43

These values are usable for a lateral supported main tube. To reach full load capacity the maximum distance without lateral stabilization is: 1200 mm.
 * in feet / ** in is the deflection of the truss at the given load

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