

HD31 Single Tube Truss



Introducing the HD31 Single Tube Truss. This highly adaptable Tube is specifically engineered to craft sleek and minimalist frames, rendering it an ideal choice for various applications such as signage, banners, draperies, and decorative accents. It can also serve as an outrigger, extending from a corner block, or be seamlessly integrated with other truss components, all thanks to the user-friendly CS1 connection.

When paired with a BLK-31 or fixed corners, you unlock even more creative possibilities.

The HD31 Single Tube Truss boasts a 50x3 mm tube with connection receivers at both ends for effortless assembly. Furthermore, for those who prefer a receiver-free option, we offer this truss without the receivers.

Facts

- Single Tube
- Strong 50x3 main tube & standard CS1-CON
- Universal corner block system allowing you to create all directions

Specifications HD31

Main Tube: 50 x 3 mm
Weight: ~0,3 kg/m
Pin Position: N/A

Material: EN AW-6082 T6
Connection: CS1 - CON

Productcode Description

HD31-025	HD31 Single Tube Truss L=25cm
HD31-029	HD31 Single Tube Truss L=29cm
HD31-050	HD31 Single Tube Truss L=50cm
HD31-075	HD31 Single Tube Truss L=75cm
HD31-100	HD31 Single Tube Truss L=100cm
HD31-150	HD31 Single Tube Truss L=150cm
HD31-200	HD31 Single Tube Truss L=200cm
HD31-250	HD31 Single Tube Truss L=250cm

Custom lengths are available upon request

HD31 Single Tube Truss Loading Charts



Electric Fireworks- Johan Crujff Arena - Spark Media 2021

Span	UDL		CPL		1/3 Point load		1/4 Point load	
m	kg/m	cm	kg	cm	kg (2x)	cm	kg (3x)	cm
1	308,8	0,5	155,1	0,4	116,3	0,5	77,5	0,4
2	76,1	1,9	77,6	1,5	58,2	2,0	38,8	1,8
2,5	40,0	2,5	62,0	2,4	38,0	2,5	27,0	2,5
3	23,0	3,0	43,0	3,0	25,0	3,0	18,0	3,0
4	8,5	3,9	22,0	4,0	13,0	4,0	9,0	3,9
5	3,5	4,8	11,5	5,0	6,5	4,8	4,5	4,7
6	1,5	6,0	5,5	5,9	3,0	5,7	2,0	5,6

Decisive criterion deflection : $f=L/100$

Span	UDL		CPL		1/3 Point load		1/4 Point load	
m	kg/m	cm	kg	cm	kg (2x)	cm	kg (3x)	cm
1	309	0,5	155	0,4	116	0,5	78	0,4
2	76	1,9	78	1,5	58	2,0	39	1,8
2,5	48	2,9	62	2,4	47	3,1	31	2,9
3	33	4,2	52	3,6	39	4,5	26	4,2
4	18	7,6	39	6,6	29	8,3	19	7,7
5	11	11,9	31	10,9	23	13,5	15	12,6
6	7	17,2	26	16,6	19	20,3	13	19,1

$F > L/100$ Huge deflection (Grey marked)

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.