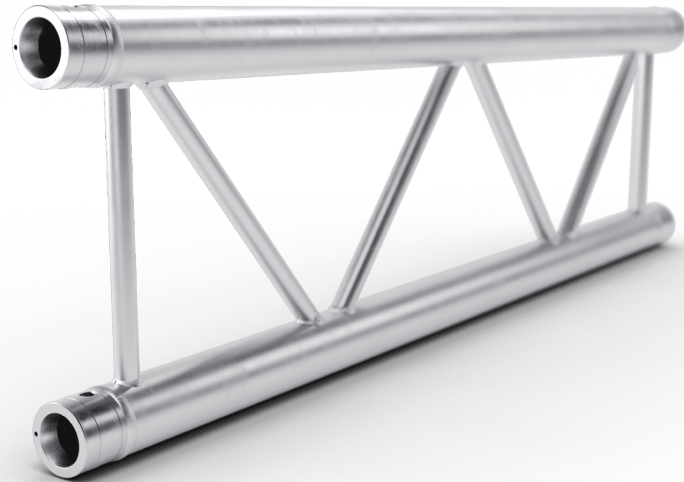


Karta katalogowa

/ Catalog card

Kratownica ALC32

/ ALC32 Truss



Specyfikacja / Specification

Wymiary / Dimensions (WxH):

Średnica rury / Pipe diameter:

Lamelki / Braces:

Materiał / Material:

239,5mm

Ø48,3x3mm

Ø16x2mm

Aluminium EN AW-6082 T6

Tabela obciążeń / Load chart

Load chart
according static calculation

Alustage DUO 290 C

Partial factors

Self weight 1,35

User loads 1,5

User loads

Span Stützweite m	Uniformly Distributed load Gleichlast		Centre Point load Mittige Punktlast		Third Point load Last in Drittelpunkten		Quarter Point load Last in Viertelpunkten		5th Point load Last in Fünftelpunkten	
	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
2	457,0	1,1	914,0	1,7	457,0	1,5	304,7	1,4	228,5	1,3
3	303,8	3,7	911,5	5,8	455,7	5,0	303,8	4,6	227,9	4,4
4	227,2	8,7	812,2	12,4	454,5	11,8	303,0	11,0	227,2	10,5
5	181,3	17,0	647,4	19,3	453,2	23,0	302,1	21,4	226,6	20,5
6	150,6	29,3	537,2	27,9	402,9	35,5	268,6	33,0	223,8	35,0
7	128,7	46,6	458,0	38,1	343,5	48,4	229,0	45,0	190,8	47,7
8	99,6	61,9	398,4	49,8	298,8	63,2	199,2	58,8	166,0	62,3
9	78,2	78,3	351,7	63,2	263,8	80,0	175,8	74,6	146,5	78,9
10	62,8	96,8	314,1	78,3	235,6	98,9	157,0	92,2	130,9	97,5

These values are usable for a lateral supported main tube.

To reach full load capacity the maximum distance without lateral stabilization is:

1100,0

mm

Load without lateral support	
L _{cr} (mm)	Load from table
1100,0	100%
1200,0	92%
1300,0	83%
1400,0	75%
1500,0	67%
2000,0	41%
2500,0	27%
3000,0	19%
3500,0	14%
4000,0	11%

High values of distributed loads are idealized. Loads must be applied to knot points!

* limited by interaction of shear and moment at the connection
Displacement connection is decisive!

L_{cr} ↔ distance lateral support

