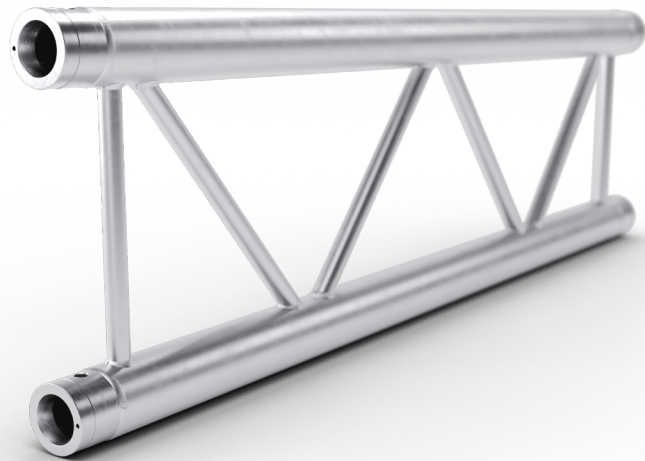
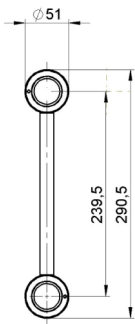


# Karta katalogowa

/ Catalog card

## Kratownica ALE32

/ ALE32 Truss



### Specyfikacja / Specification

Wymiary / Dimensions (WxH):

Średnica rury / Pipe diameter:

Lamelki / Braces:

Materiał / Material:

290,5mm

Ø51x2mm

Ø16x2mm

Aluminium EN AW-6082 T6

### Tabela obciążeń / Load chart

**Load chart**  
according static calculation

**Alustage DUO 290 E**

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	451,4	1,5	876*	2,3	451,4	2,0	300,9	1,9	225,7	1,8
3	300,2	5,0	654*	5,8	437*	6,5	300,2	6,3	225,2	6,0
4	224,6	11,8	518*	10,9	358*	12,8	283*	14,0	224,6	14,2
5	179,3	23,0	427*	17,6	303*	21,2	228*	22,2	184*	22,8
6	129,7	34,6	362*	25,9	260*	31,6	191*	32,3	154*	33,2
7	94,8	47,2	315*	36,1	226*	44,0	163*	44,0	133*	45,7
8	72,1	61,7	274*	47,3	201*	58,7	141*	57,6	116*	60,4
9	56,5	78,1	244*	60,7	179*	75,2	126*	73,7	103*	76,5
10	45,4	96,5	220*	76,0	162*	93,9	112*	91,1	93*	95,4

These values are usable for a lateral supported main tube.

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

1200,0

mm

Load without lateral support	
L <sub>cr</sub> (mm)	Load from table
1200,0	100%
1300,0	92%
1400,0	84%
1500,0	76%
1600,0	69%
2000,0	47%
2500,0	32%
3000,0	22%
3500,0	17%
4000,0	13%

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<sub>cr</sub> ↔ distance lateral support

