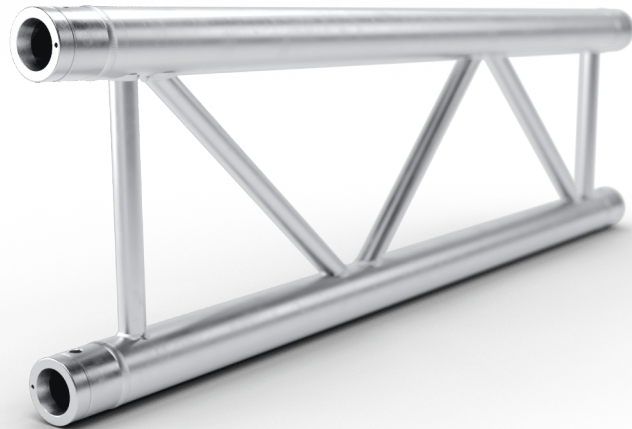
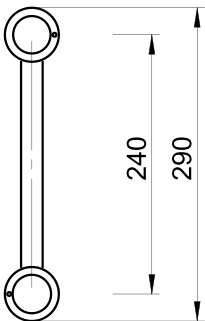


# Karta katalogowa

/ Catalog card

## Kratownica AL32

/ AL32 Truss



### Specyfikacja / Specification

Wymiary / Dimensions (WxH):

290x290mm

Średnica rury / Pipe diameter:

Ø50x2mm

Lamelki / Braces:

Ø20x2mm

Materiał / Material:

Aluminium EN AW-6082 T6

### Tabela obciążeń / Load chart

**Load chart**  
according static calculation

**Alustage DUO290A-v3**  
12-2021

Partial factors  
Self weight 1,35  
User loads 1,5

User loads

Span	Uniformly Distributed load		Centre Point load		Third Point load		Quarter Point load		5th Point load	
Stützweite	Gleichlast		Mittige Punktlast		Last in Drittelpunkten		Last in Viertelpunkten		Last in Fünftelpunkten	
m	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
2	578,5	1,9	972*	2,6	567*	2,6	385,7	2,4	289,3	2,3
3	384,8	6,5	772,4	6,9	485*	7,4	362*	7,7	288,6	7,8
4	287,9	15,3	576,9	12,3	420*	15,2	288,4	14,6	240,4	15,5
5	183,6	24,0	459,0	19,3	344,3	24,6	229,5	22,8	191,3	24,2
6	126,7	34,6	380,0	27,9	285,0	35,4	190,0	32,9	158,3	34,9
7	92,3	47,2	323,2	38,0	242,4	48,2	161,6	44,9	134,7	47,5
8	70,0	61,7	280,2	49,9	210,1	63,0	140,1	58,7	116,7	62,1
9	54,8	78,1	246,5	63,3	184,8	79,8	123,2	74,4	102,7	78,7
10	43,8	96,6	219,2	78,5	164,4	98,6	109,6	92,1	91,3	97,3

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
1100,0	100%
1200,0	97%
1300,0	88%
1400,0	80%
1500,0	72%
2000,0	45%
2500,0	30%
3000,0	21%
3500,0	16%
4000,0	12%

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

