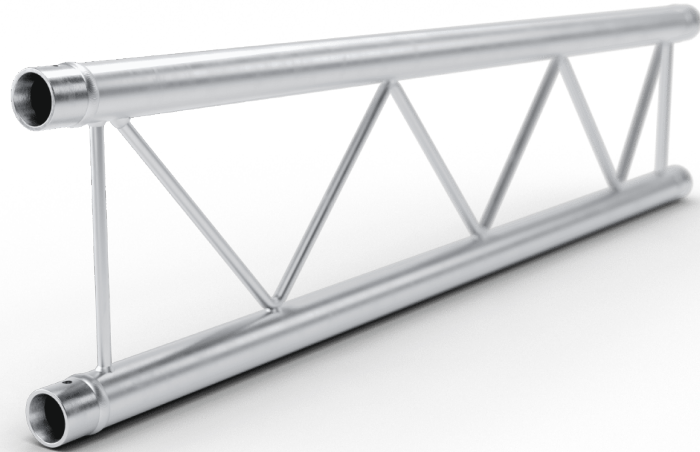
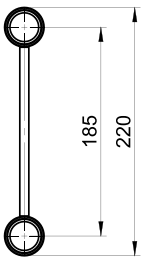


# Karta katalogowa

/ Catalog card

## Kratownica AL22

/ AL22 Truss



### Specyfikacja / Specification

Wymiary / Dimensions (H):  
Średnica rury / Pipe diameter:  
Lamelki / Braces:  
Materiał / Material:

220mm  
Ø35x1,5mm  
Ø8mm  
Aluminium EN AW-6060 T6

### Tabela obciążeń / Load chart

**Load chart**  
according static calculation

**Alustage DUO 220**

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
1	220,9	0,1	220,9	0,2	110,5	0,2	73,6	0,2	55,2	0,2
2	109,8	1,2	219,5	1,9	109,8	1,6	73,2	1,5	54,9	1,4
3	72,7	4,0	167,3	4,9	109,1	5,4	72,7	5,0	54,5	4,8
4	54,2	9,5	124,3	8,7	93,2	11,1	62,1	10,3	51,8	10,9
5	39,3	16,9	98,2	13,7	73,6	17,3	49,1	16,1	40,9	17,1
6	26,9	24,4	80,6	19,8	60,4	25,0	40,3	23,3	33,6	24,6
7	19,4	33,3	67,8	27,2	50,8	34,0	33,9	31,8	28,2	33,6
8	14,5	43,6	58,0	35,7	43,5	44,5	29,0	41,7	24,2	44,0

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
1000,0	100%
1200,0	89%
1400,0	72%
1600,0	58%
1800,0	48%
2000,0	40%
2500,0	26%
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<sub>cr</sub> ↔ distance lateral support

