Technical Sheet

AKR
Reinforced Angle Bracket

The AKR bracket is reinforced around the bend, which significantly increases the rigidity and strength of the bracket.

- *One-piece connector.*
- *Reinforced corners provide enhanced performance.*
- *CNA nails must be used to achieve the published loads.*



Features

Material

Steel:
S 235JR acc. EN 10025
Corrosion protection:
Hot dip galvanised after fabrication acc. to EN ISO 1461 - zinc layer thickness approx.55 µm

Benefits

- Load capacity in all directions
- Full and partial nailing
- Single or double sided connections
- Optional mounting with a distance to the support, only for tension connections
- Optimised bolt utilisation

Applications

Header member

Supporting member:
Concrete, steel
Supported member:
Timber, engineered wood

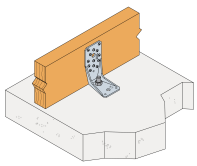
Applications

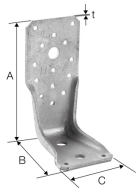
- The AKR angle brackets enable optmised connections between timber and other materials, like concrete, steel, etc.
- According to their overall galvanisation the AKR angle brackets could be used in outdoor areas

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Technical Data





Product Dimensions

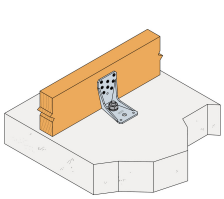
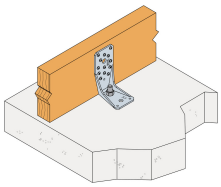
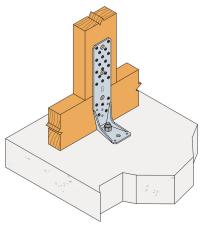
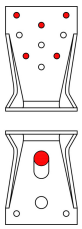
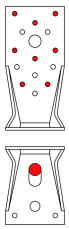
Reference	Connector Dimensions										
	Product Dimensions[mm]				Joist		Flange B				Other
					Round		Round			Obround	
	A[mm]	B[mm]	C[mm]	t[mm]	Ø5.2[mm]	Ø13.5[mm]	Ø5[mm]	Ø11[mm]	Ø13.5[mm]	Ø13.5x25[mm]	Weight[kg]
AKR95G	95	85	65	4	9	-	2	1	1	-	0.32
AKR95LG	95	85	65	4	9	-	2	1	-	1	0.32
AKR135G	135	85	65	4	14	1	2	1	1	-	0.44
AKR135LG	135	85	65	4	14	1	2	1	-	1	0.44
AKR205G	205	85	65	4	20	2	2	1	1	-	0.57
AKR285G	285	85	65	4	26	3	2	1	1	-	0.75
AKR285LG	285	85	65	4	26	3	2	1	-	1	0.72

Further below you will find the load valuesfor these nail pattern: Full nailing, Partial nailing and nailing to a column.
Further connection options are given in the according ETA.

Installation

Fixing

- Fasten onto timber members with CNA4,0xl threaded nails or optional with CSA5,0xl screws and to concrete / steel with bolts M12 and a washer Ø24.
- Single or double sided connections are possible.


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