Technical data sheet

AKRX3
Angle bracket

These brackets allow optimum connection between wood and other building materials such as concrete and steel. This is an economic connection that can be used in many areas. AKR AKR-L and vary in the screw hole.

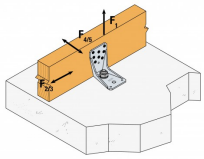
AKR bracket is 3 mm thick and the edges are reinforced with rib

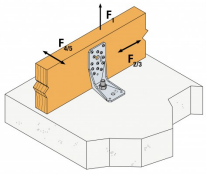
Features

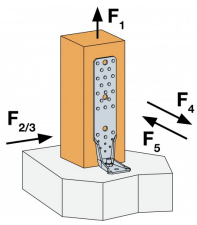
Material

<u>Steel quality:</u>
• S 250 GD + Z 275 according to DIN EN 10346

<u>Corrosion protection:</u>
• 275 g / m galvanized on both sides 20mm

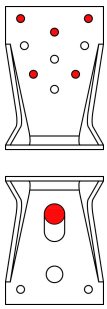






Benefits

- Load capacity in all directions
- Optimised capacities for partnailing and fullnailing
- One or two-sided connections
- Possible mounting with distance from the support at tension connections
- Optimised bolt utilisation



Équerres renforcées pour ossature bois AKR95X3L

Fixation poutre sur dalle béton

Fixation d'équerre renforcée pour ossature bois avec SDS

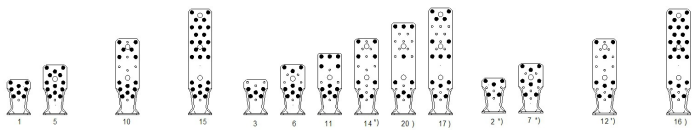
Applications

Applicatons

<u>Supporting member:</u>
Concrete, steel
<u>Supported member:</u>
Solid wood, engineered wood

Scope

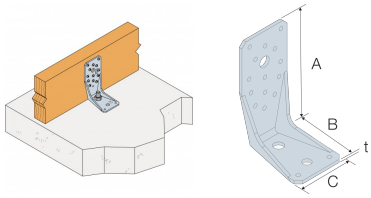
The AKR brackets allow optimum connection between wood and other building materials such as concrete and steel.



Technical data sheet

AKRX3
Angle bracket

Technical Data



Product Dimensions

References	Product Dimensions [mm]										Box Quantity
	A	B	C	t	Joist		Holes flange B				
					Ø5	Ø13.5	Ø5	Ø11	Ø13.5	Ø13.5x25	
AKR95X3L	95	85	65	3	9	-	2	1	-	1	25
AKR135X3L	135	85	65	3	14	1	2	1	-	1	25
AKR285X3L	285	85	65	3	26	3	2	1	-	1	25

Below you will find load details to the nail pattern: fullnailing, partnailing and post connection. Further connection options, see the corresponding ETA.

Characteristic Capacities - UK

References	Fasteners		Characteristic Values - C24 Timber on Concrete [kN]			
	Flange A	Flange B	$R_{1,k}$		$R_{2,k}$	
	Qty	Qty	CNA4.0x50	CNA4.0x60	CNA4.0x50	CNA4.0x60
AKR95X3L	5	1 x Ø12	5.7	6.8	2	2.3
AKR135X3L	8	1 x Ø12	10.5	12.4	3.1	3.6
AKR285X3L	22	1 x Ø12	13.1	13.6	2.8	3.5

The published characteristic capacity is based on short term load duration and service class 2 according to EC5 (EN 1995) – kmod = 1.1. For other load duration and service class, please refer to the ETA.

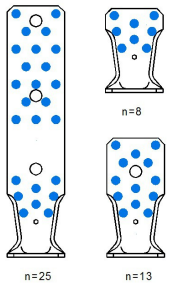
Installation

Fasteners

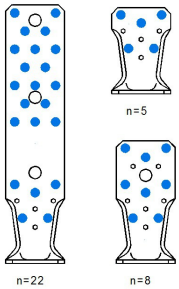
- The fixing needs to be done with CNA4,0xl threaded nails or CSA5,0xl screws.
- On concrete or steel by an wedge anchor M12 and a washer Ø24.
- SSH Ø 12 x 80 mm (timber to concrete)
- It is possible to single or double sided connections.

Installation

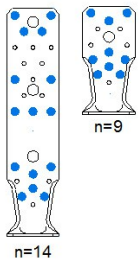
- **Fasten nails or screws CNA4,0xl CSA5,0xl.Pro installation in concrete anchor bolt M12**



All holes filled.



Clouage sur poteau



Partial nailing

Fixation poutre sur dalle béton

Fixation d'équerre renforcée pour ossature bois avec SDS

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