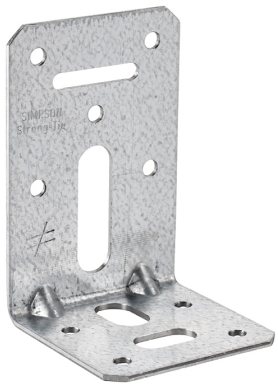
Technical Sheet

ADR
Angle Bracket

The ADR Light Reinforced Angle Brackets are used to assemble "timber/concrete", "timber/masonry", "timber/steel" or "timber/timber" applications. The long hole in the angle bracket ADR6191 offers possible asjustability during the installation phase.



Features

Material

Steel

- S 250 GD +Z 275 acc. DIN EN 10346

Corrosion protection:

- 275 g/m2 on both sides - correspond to a zinc layer of approx. 20 µm

Benefits

- The light reinforcing ensures to build sustainable, one or double sided "timber to timber" or "timber to concrete" applications.

Applications

Suitable On

Supporting member:

- solid wood, engineered wood, concrete, steel, etc.

Supported member:

- solid wood, engineered wood

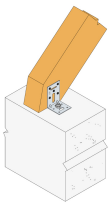
Scope

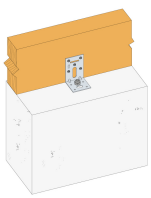
- Double- and single sided connecetions for rafters to beams or rafters to ring beams (concrete).

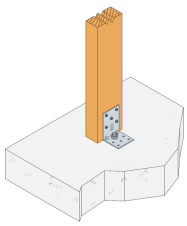

ADR6090L

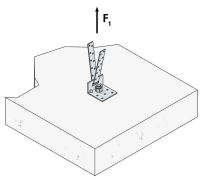

ADR6090


ADR6035





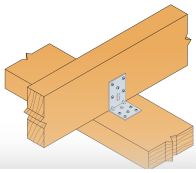


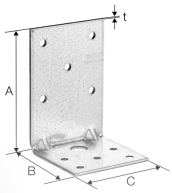


Technical Sheet

ADR
Angle Bracket

Technical Data





Product Dimensions

Product Dimensions
See full table online ➡️

Reference	Tun / DB nr.													Flange B[mm]		
														nd		Obro
														Ø12	Ø12x20	Ø10.5x
ADR6035	5653357													1	-	-
ADR6090L	1882590	51432776	0.13	90	60	60	2	5	-	1	1	4	-	1	1	

Product capacities - beam to beam - maximum nailing

Reference	Angle bracket capacity			
	Product capacities - Timber to timber - Beam to beam - Full nailing			
	Number of Fasteners		Characteristic capacity - 2 angle brackets per connection - full nailing[kN]	
	Joist	Flange B	$R_{1,k}$	
	Qty	Qty	CNA4.0x40	CNA4.0x60
ADR6090L	3	2	2.6 / kmod^0.3	min [3.6/kmod^0.3 ; 3.0/kmod]

Check
\frac{F_{i,d}} {R_{i,d}}\le1

Product capacities - timber to concrete

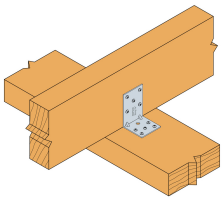
Reference	Angle bracket capacity					
	Product capacities - Timber to Concrete					
	Number of Fasteners				Characteristic capacity - 2 angle brackets per connection - full nailing[kN]	
	Joist		Flange B		$R_{1,k}$	
	Qty	Type	Qty	Type	CNA4.0x40	CNA4.0x60
ADR6090L	5	CNA	1	M10*	min [15.5 ; 9.9/kmod]	9.9 / kmod

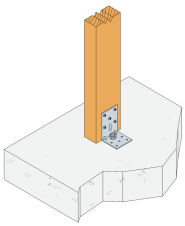
* bolts e.g. **WA, BOAX II** or simultaneously, needs to be checked separately.
** load values for a load application point of **f = 20 mm**
Check
For the Angle bracket needs to be checked:
\frac{F_{i,d}} {R_{i,d}}\le1
The check of the fasteners in concrete or steel needs to be done separately.

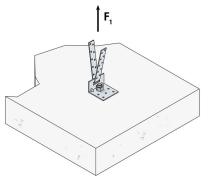
Installation

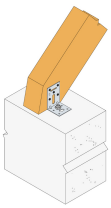
Fixing

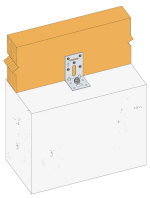
- The fixing needs to be done with CNA4,0xℓ threaded nails or CSA5,0xℓ screws.
- For fixing on concrete M10 bolts needs to be used.











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