

AA60280
Angle bracket

The AA angle bracket with a small rib are made of 2.0mm galvanized sheet steel.

Features

Material

Steel quality:
Quality steel-S250GD + Z275 according to DIN EN10346

Corrosion protection:
275 g / m galvanized on both sides 20mm

Benefits

- Have various uses, especially in places where they are to be made stable joints with small size timber.
- Load capacity in all directions

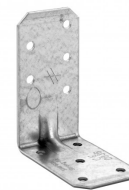
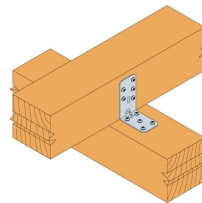
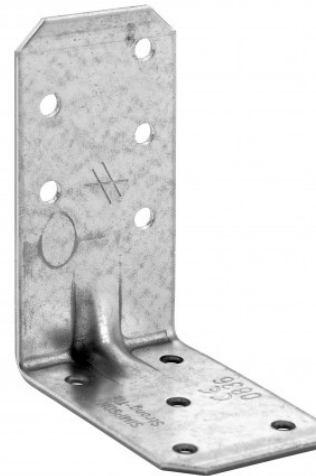
Applications

Applicatons

Supporting member:
Solid wood, engineered wood
Supported member:
Solid wood, engineered wood

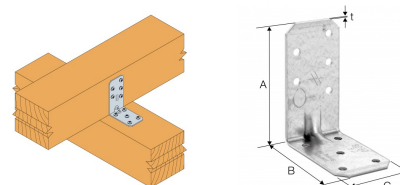
Scope

- They are used inter alia for coupling cross beams at smaller timber construction .
- They are used for coupling cross beams at smaller wooden structures



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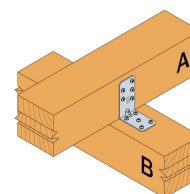
Technical Data



Product Dimensions

References	Tun / DB nr.	NOB nr.	Product Dimensions [mm]				Joist Ø5 [mm]	Holes flange B Ø5 [mm]	Box Quantity
			A	B	C	t			
AA60280	1393510	43118914	83	62	40	2	5	5	50

Product capacities



References	Product capacities - Timber to timber - Full nailing							
	Number of Fasteners		Characteristic capacities - Timber C24 - 2 angle brackets per connection [kN]					
	Joist	Flange B	R _{1,k}		R _{2,k} = R _{3,k}		R _{4,k} = R _{5,k}	
	Qty	Qty	CNA4.0x40	CNA4.0x60	CNA4.0x40	CNA4.0x60	CNA4.0x40	CNA4.0x60
AA60280	5	5	2.9	4.5	4.1	6.2	min (1,4; 1,3 / kmod)	min (2,2; 2,1 / kmod)

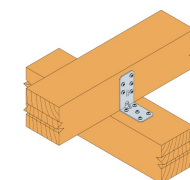
* Capacity information for **b = 80 mm** and **e = 120 mm**

Design

For the superimposition of the action be proved:

$$\sqrt{\left(\frac{F_{1,d}}{R_{1,d}} + \frac{F_{4/5,d}}{R_{4/5,d}}\right)^2 + \left(\frac{F_{2/3,d}}{R_{2/3,d}}\right)^2} \leq 1$$

Product capacities - simplified



References	Simplified product capacities - Timber to timber - Full nailing							
	Number of Fasteners		Simplified characteristic capacities - Timber C24 - 2 angle brackets per connection [kN]					
	Joist	Flange B	R _{1,k}			R _{2,k} = R _{3,k}		
	Qty	Type	Qty	Type	CNA4.0x40	CNA4.0x60	CNA4.0x40	CNA4.0x60
AA60280	5	CNA	5	CNA	2.9	4.6	4.1	6.1

$$\left(\frac{F_{1,d}}{R_{1,d}}\right)^2 + \left(\frac{F_{2,d}}{R_{2,d}}\right)^2 \leq 1$$

The published characteristic capacity is based on short term load duration and service class 2 according to EC5 (EN 1995) - $k_{mod} = 0.9$. For other load duration and service class, please refer to the ETA to get more accurate capacities

Technical data sheet

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SIMPSON

Strong-Tie[®]

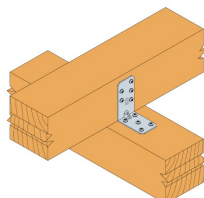
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Installation

Fasteners

- They are attached with nails or screws crest CNA4,0xl CSA5,0xl.

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