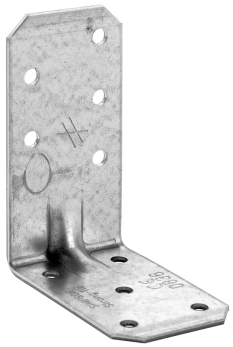
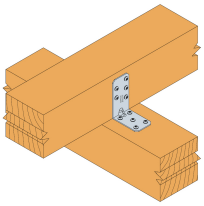
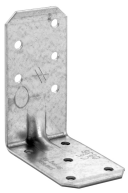
Technical Sheet

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

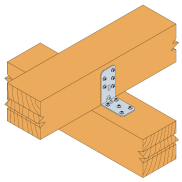
Scope

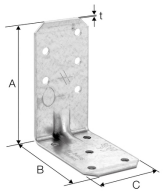
- They are used inter alia for coupling cross beams at smaller timber construction .
- They are used for coupling cross beams at smaller wooden structures

Technical Sheet

AA60280
Angle bracket

Technical Data





Product Dimensions

Reference	Connector Dimensions									
	Other				Product Dimensions[mm]				Joist[mm]	Flange B[mm]
	Tun / DB nr.	NOB nr.	Qty per Box	Weight[kg]	A[mm]	B[mm]	C[mm]	Thickness[mm]	Round Ø5[mm]	Round Ø5[mm]
AA60280	1393510	43118914	50.0	0.083	83	62	40	2	5	5

Product capacities

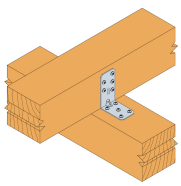
Reference	Angle bracket capacity							
	Product capacities - Timber to timber - Full nailing							
	Number of Fasteners		Characteristic capacity - 2 angle brackets per connection - full nailing[kN]					
	Joist	Flange B	$R_{1,k}$		$R_{2,k}=R_{3,k}$		R4/5,k	
	Qty	Qty	CNA4.0x40	CNA4.0x60	CNA4.0x40	CNA4.0x60	CNA4.0x40	CNA4.0x60
AA60280	5.0	5.0	min (2,9; 2,9 / kmod)	min (4,5; 4,4 / kmod)	min (4,1; 4,1 / kmod)	min (6,1; 6,0 / kmod)	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} \le 1



Product capacities - simplified

Reference	Angle bracket capacity							
	Simplified product capacities - Timber to timber – Full nailing							
	Number of Fasteners				Characteristic Capacities - Timber C24 - 2 Angle Brackets per Connection[kN]			
	Joist		Flange B		$R_{1,k}$		$R_{2,k}=R_{3,k}$	
	Qty	Type	Qty	Type	CNA4.0x40	CNA4.0x60	CNA4.0x40	CNA4.0x60
AA60280	5.0	CNA	5.0	CNA	2.9	4.6	4.1	6.1

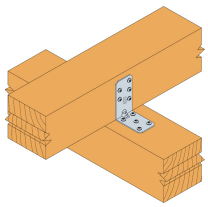
\left(\frac{F_{1,d}} {R_{1,d}}\right)^2+\left(\frac{F_{2,d}} {R_{2,d}}\right)^2\le1

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

Installation

Fasteners

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



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