

Technický list

ABGU360 angle bracket

SIMPSON

Strong-Tie

This angle brackets are made of galvanized steel and used for anchoring and force transmission of facade walling

Features

Material

Steel quality:

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

Corrosion protection:

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

Applications

Benefits

to connect beams to a facade with option for a distance, so the new facade may be planar
The brackets are attached alternately to the uprights so that a connection is made on both sides.

Suitable On

Supporting member:

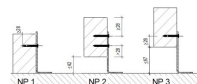
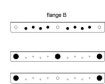
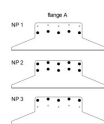
engineered wood, concrete, steel, brickwork

Supported member:

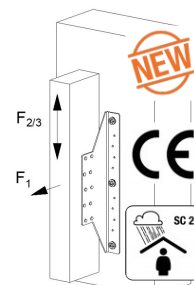
Solid wood, engineered wood

When to use

- The angle brackets are for fastening a timber construction that is to support subsequent thermal insulation.

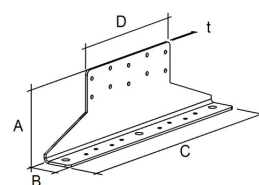


minimum distances for the screws
in the timber element for flange A



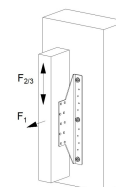
Technical Data

Product dimensions



sizes

Art. nr.	Product dimensions [mm]					Holes flange A	Holes flange B		Hmotnost [kg]
	A	B	C	D [mm]	t	Ø5 [mm]	Ø5 [mm]	Ø10.5 [mm]	
ABGU360	105	40	360	180	3	10	8	3	0.87



Product capacities - Timber to timber

Art. nr.	Product capacities - Timber to timber							
	Fasteners		Characteristic capacities - Timber C24 - 1 angle brackets per connection [kN]					
	Flange A	Flange B	$R_{1,k}$			$R_{2,k} = R_{3,k}$		
	Qty	Qty	CSA5.0x35	CSA5.0x40	CSA5.0x50	CSA5.0x35	CSA5.0x40	CSA5.0x50
ABGU360 NP1	5	8	8.4	9.4	11.1	4.9	5.4	6.5
ABGU360 NP2	10	8	8.4	9.4	11.1	8.3	9.3	11
ABGU360 NP3	5	8	8.4	9.4	11.1	3.8	4.3	5.1

Product capacities - Timber to rigid support

Art. nr.	Product capacities - Timber to rigid support								
	Fasteners			Characteristic capacities - Timber C24 - 1 angle brackets per connection [kN]					
	Flange A	Flange B		$R_{1,k}$			$R_{2,k} = R_{3,k}$		
	Qty	Qty	Type	CSA5.0x35	CSA5.0x40	CSA5.0x50	CSA5.0x35	CSA5.0x40	CSA5.0x50
ABGU360 NP1	5	2 or 3	bolt Ø10	10	11.1	min(11.1 ; 12.6/kmod)	4.9	5.4	6.5
ABGU360 NP2	10	2 or 3	bolt Ø10	min(19.9 ; 12.6/kmod)	min(22.2 ; 12.6/kmod)	min(26.3 ; 12.6/kmod)	8.3	9.3	11
ABGU360 NP3	5	2 or 3	bolt Ø10	10	11.1	min(11.1 ; 12.6/kmod)	3.8	4.3	5.1

The connection to concrete brickwall has to be check separatly

Installation

Fixing

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

