

Technical Sheet

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

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.

Applications

Suitable On

Supporting member:

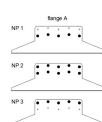
engineered wood, concrete, steel, brickwork

Supported member:

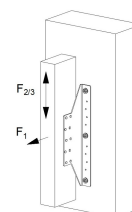
Solid wood, engineered wood

When to use

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

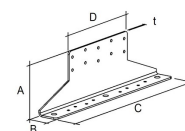


minimum distances for the screws
in the timber element for flange A



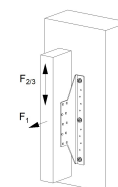
Technical Data

Product dimensions



Reference	Rozměry konektoru								
	Rozměry a typické hodnoty[mm]					Příruba A	Hlava		Other
	A[mm]	B[mm]	C[mm]	D[mm]	Tloušťka[mm]	Round Ø[mm]	Round Ø[mm]	Round Ø10.5[mm]	Hmotnost[kg]
ABGU360	105	40	360	180	3	10	8	3	0.87

Product capacities - Timber to timber



Reference	Angle bracket capacity							
	Nosnosti - dřevo na dřevo							
	Upevňovací prvky		Charakteristická nosnost - dřevo C24 - 1 úhlová spojka na každé připojení[kN]					
	Příruba A	Hlava	R2,k = R3,k			R1,k		
	Množství	Množství	CSA5.0x35	CSA5.0x40	CSA5.0x50	CSA5.0x35	CSA5.0x40	CSA5.0x50
ABGU360 NP1	5.0	8.0	4.9	5.4	6.5	8.4	9.4	11.1
ABGU360 NP2	10.0	8.0	8.3	9.3	11	8.4	9.4	11.1
ABGU360 NP3	5.0	8.0	3.8	4.3	5.1	8.4	9.4	11.1

Product capacities - Timber to rigid support

Reference	Angle bracket capacity								
	Product capacities - Timber to rigid support								
	Charakteristická nosnost - dřevo C24 - 1 úhlová spojka na každé připojení[kN]						Upevňovací prvky		
	R2,k = R3,k			R1,k			Příruba A	Hlava	Typ
	CSA5.0x35	CSA5.0x40	CSA5.0x50	CSA5.0x35	CSA5.0x40	CSA5.0x50	Množství	Množství	Typ
ABGU360 NP1	4.9	5.4	6.5	10	11.1	min(11.1 ; 12.6/kmod)	5.0	2 or 3	bolt Ø10
ABGU360 NP2	8.3	9.3	11	min(19.9 ; 12.6/kmod)	min(22.2 ; 12.6/kmod)	min(26.3 ; 12.6/kmod)	10.0	2 or 3	bolt Ø10
ABGU360 NP3	3.8	4.3	5.1	10	11.1	min(11.1 ; 12.6/kmod)	5.0	2 or 3	bolt Ø10

The connection to concrete brickwall has to be check separatly

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angle bracket



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.

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angle bracket

