

Technický list

SIMPSON

Strong-Tie

AB255SSH

Heavy Duty Angle Bracket for CLT

The AB255SSH angle bracket has been developed specifically for CLT construction. It is designed for both shear and vertical loading. Installed with large SSH connector screws and skewed screws, it enables high capacities and fast installation.

Features

Material

- Pre-galvanised mild steel.
- S250 GD + Z275 according to EN 10346

Benefits

- Perfect for CLT building,
- Very fast installation
- Can be hidden in concrete screed

Applications

Suitable On

- **Supporting member:** solid wood, glued-laminated wood, CLT, etc.
- **Supported member:** solid wood, composite lumber, glued-laminated wood, CLT

When to Use

- Solid timber panels,
- CLT panels.

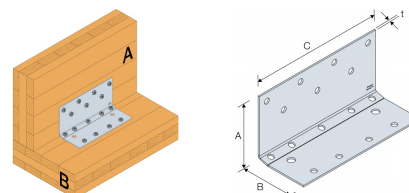


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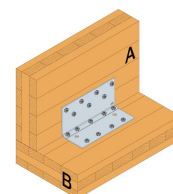
Technical Data

Product dimension



Art. nr.	Product dimensions [mm]				Holes flange A	Holes flange B		Box Quantity
	A	B	C	t	Ø11 [mm]	Ø11 [mm]	Ø14 [mm]	
AB255SSH	123	100	255	3	7	9	2	10

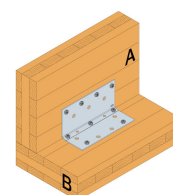
Product characteristic capacities - Timber to timber - 1 angle bracket - Full nailing



Art. nr.	Product capacities - Timber to timber												
	Fasteners				Characteristic capacities - Timber to timber								
	Flange A		Flange B		R _{1,k}				R _{2,k} = R _{3,k}				
	Qty	Type	Qty	Type	10.0x50	10.0x100	10.0x120	10.0x160	10.0x50	10.0x100	10.0x120	10.0x160	10.0x50
AB255SSH	7	SSH10.0xL	9	SSH10.0xL	19.3 * kmod^0.12	26.36 * kmod^0.09	42.6	56.2	24.7	35	42.6	48.5	13.9/kmod^0.76

The value in the table above can be used if the panel can't rotate.
Values with other SSH lengths are available in ETA.

Product characteristic capacities - Timber to timber - 1 angle bracket - Partial nailing



Art. nr.	Product capacities - Timber to timber												
	Fasteners				Characteristic capacities - Timber to timber								
	Flange A		Flange B		R _{1,k}				R _{2,k} = R _{3,k}				
	Qty	Type	Qty	Type	10.0x50	10.0x100	10.0x120	10.0x160	10.0x50	10.0x100	10.0x120	10.0x160	10.0x50
AB255SSH	4	SSH10.0xL	5	SSH10.0xL	10.9 * kmod^0.2	15.36 * kmod^0.15	25.64 * kmod^0.1	25.4 * kmod^0.1	15.4	21.8	26.5	30.1	min(13.9 ; 13.9/kmod^0.76)

The value in the table above can be used if the panel can't rotate.
Values with other SSH lengths are available in ETA.

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Installation

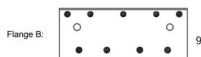
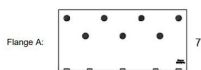
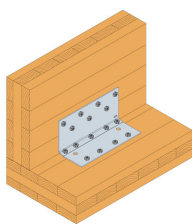
Fasteners

On timber:

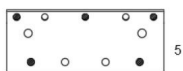
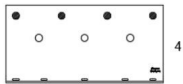
- SSH10.0xℓ (various length allowed, depending on the requested capacity)

Installation

- Start with installing the horizontal and vertical SSH screws first, then install the skewed screws at an approximate 70° angle



Full nailing - Nailpattern 1



Partial nailing

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