

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

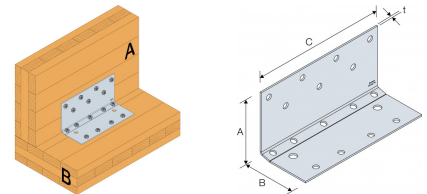
- Solid timber panels,
- CLT panels.



AB255SSH
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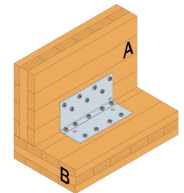
Technical Data

Product dimension



References	DB nr.	NOBB nr.	Product dimensions [mm]				Holes flange A		Holes flange B		Box Quantity
			A	B	C	t	Ø11 [mm]	Ø11 [mm]	Ø14 [mm]		
AB255SSH	2121743	60010436	123	100	255	3	7	9	2	10	

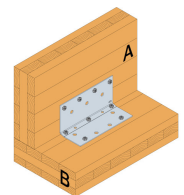
Product characteristic capacities - Timber to timber - 1 angle bracket - Full nailing



References	Product													
	Fasteners				$R_{1,k}$					$R_{2,k} = R_{3,k}$				
	Flange A		Flange B		10.0x40	10.0x50	10.0x100	10.0x120	10.0x160	10.0x40	10.0x50	10.0x100	10.0x120	10.0x160
Qty	Type	Qty	Type											
AB255SSH	7	SSH10.0xL	9	SSH10.0xL	8.56 * kmod ^{0.25}	19.3 * kmod ^{0.12}	26.36 * kmod ^{0.09}	42.6	56.2	17.4	24.7	35	42.6	48.6

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



References	Product													
	Fasteners				$R_{1,k}$					$R_{2,k} = R_{3,k}$				
	Flange A		Flange B		10.0x40	10.0x50	10.0x100	10.0x120	10.0x160	10.0x40	10.0x50	10.0x100	10.0x120	10.0x160
Qty	Type	Qty	Type											
AB255SSH	4	SSH10.0xL	5	SSH10.0xL	4.12 * kmod ^{0.5}	10.9 * kmod ^{0.2}	15.36 * kmod ^{0.15}	25.64 * kmod ^{0.1}	25.4 * kmod ^{0.1}	10.8	15.4	21.8	26.5	30.6

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Installation

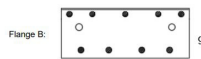
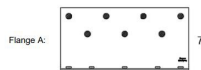
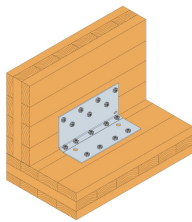
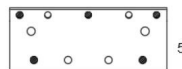
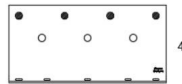
Fasteners

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*AB255SSH
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