



The AB255SSH angle bracket has been developed specifically for CLT construction.



[ETA-06/0106](#), [UK-DoP-e06/0106](#), [SE-DoP-e06/0106](#)

## EGENSKAPER



## 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



## ANVENDELSE

### Suitable On

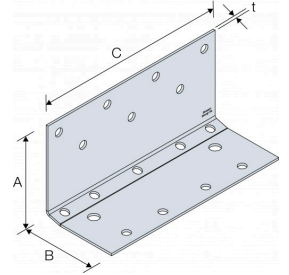
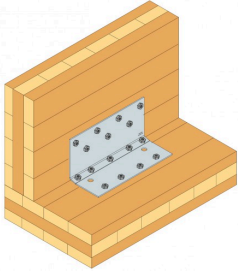
- **Supporting member:** solid wood, glued-laminated wood, CLT, etc.
- **Supported member:** solid wood, composite lumber, glued-laminated wood, CLT

### When to Use

- Solid timber panels,
- CLT panels.

TEKNISK DATA

Product dimension



Art. nr.	DB nr.	Product dimensions [mm]				Holes flange A	Holes flange B	
		A	B	C	t	Ø11 [mm]	Ø11 [mm]	Ø14 [mm]
AB255SSH	2121743	123	100	255	3	7	9	2

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

Art. nr.	Product capacities - Timber to timber - Full nailing																			
	Fasteners				Characteristic capacities - Timber C24 - 1 angle brackets per connection [kN]															
	Flange A		Flange B		R <sub>1,k</sub>		R <sub>2,k</sub> = R <sub>3,k</sub>			R <sub>4,k</sub>			R <sub>5,k</sub>							
Qty	Type	Qty	Type	10.0x40	10.0x50	10.0x100	10.0x120	10.0x40	10.0x50	10.0x100	10.0x120	10.0x40	10.0x50	10.0x100	10.0x120	10.0x40	10.0x50	10.0x100	10.0x120	
AB255SS	7	SSH10.0	9	SSH10.0	8.56	19.3	26.36	42.6	17.4	24.7	35	42.6	13.92/	13.9/	13.9/	13.9/	4.21/	5.02/	5.22/	5.28/
					* kmod <sup>0.8</sup>	* kmod <sup>0.8</sup>	* kmod <sup>0.8</sup>						min(13.7 kmod <sup>0.7</sup>	13.9/ kmod <sup>0.7</sup>	13.9/ kmod <sup>0.7</sup>	13.9/ kmod <sup>0.7</sup>	4.21/ kmod <sup>0.8</sup>	5.02/ kmod <sup>0.8</sup>	5.22/ kmod <sup>0.8</sup>	5.28/ kmod <sup>0.8</sup>

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 - Partial nailing																			
	Fasteners				Characteristic capacities - Timber C24 - 1 angle brackets per connection [kN]															
	Flange A		Flange B		R <sub>1,k</sub>		R <sub>2,k</sub> = R <sub>3,k</sub>			R <sub>4,k</sub>			R <sub>5,k</sub>							
Qty	Type	Qty	Type	10.0x40	10.0x50	10.0x100	10.0x120	10.0x40	10.0x50	10.0x100	10.0x120	10.0x40	10.0x50	10.0x100	10.0x120	10.0x40	10.0x50	10.0x100	10.0x120	
AB255SS	4	SSH10.0	5	SSH10.0	4.12	10.9	15.36	25.64	10.8	15.4	21.8	26.5	min(8.7 kmod <sup>0.7</sup>	min(13.9/ kmod <sup>0.7</sup>	min(14.6/ kmod <sup>0.7</sup>	min(18.8/ kmod <sup>0.7</sup>	1.68/ kmod <sup>0.8</sup>	1.97/ kmod <sup>0.8</sup>	2.11/ kmod <sup>0.8</sup>	2.11/ kmod <sup>0.8</sup>
					* kmod <sup>0.8</sup>	* kmod <sup>0.8</sup>	* kmod <sup>0.8</sup>	* kmod <sup>0.8</sup>												

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

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

Art. nr.	Product capacities - Timber to timber - Full nailing																			
	Fasteners				Simplified Characteristic Capacities - Timber C24 - 1 angle brackets per connection [kN]															
	Flange A		Flange B		R <sub>1,k</sub>		R <sub>2,k</sub> = R <sub>3,k</sub>			R <sub>4,k</sub>			R <sub>5,k</sub>							
Qty	Type	Qty	Type	10.0x40	10.0x50	10.0x100	10.0x120	10.0x40	10.0x50	10.0x100	10.0x120	10.0x40	10.0x50	10.0x100	10.0x120	10.0x40	10.0x50	10.0x100	10.0x120	
AB255SS	7	SSH10.0	9	SSH10.0	8.3	19.1	26.1	42.6	17.4	24.7	35	42.6	13.7	15.1	15.1	15.1	4.3	5.1	5.4	5.4

The published characteristic capacity is based on short term load duration and service class 2 according to EC5 (EN 1995) – k<sub>mod</sub> = 0.9.

For other load duration and service class, please refer to the above tables or the ETA.  
The value in the above table can be used if the panel can't rotate.

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

Art. nr.	Product capacities - Timber to timber - Partial nailing																							
	Fasteners				Simplified Characteristic capacities - Timber C24 - 1 angle brackets per connection [kN]																			
	Flange A		Flange B		R <sub>1,k</sub>					R <sub>2,k</sub> = R <sub>3,k</sub>					R <sub>3,k</sub>					R <sub>5,k</sub>				
	Qty	Type	Qty	Type	0.0x4	0.0x5	0.0x10	0.0x12	0.0x16	0.0x4	0.0x5	0.0x10	0.0x12	0.0x16	0.0x4	0.0x5	0.0x10	0.0x12	0.0x16	0.0x4	0.0x5	0.0x10	0.0x12	0.0x16
AB255S	4SSH10.0	5SSH10.0			3.9	10.7	15.1	25.4	25.1	10.8	15.4	21.8	26.5	30.1	8.7	13.9	14.6	15.1	15.1	1.9	2.1	2.3	2.3	2.3

The published characteristic capacity is based on short term load duration and service class 2 according to EC5 (EN 1995) – kmod = 0.9.  
For other load duration and service class, please refer to the above tables or the ETA.  
The value in the above table can be used if the panel can't rotate.

MONTERING

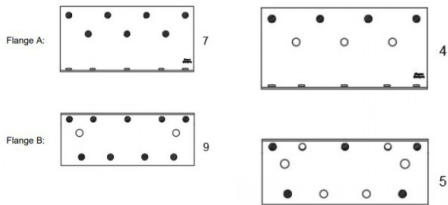
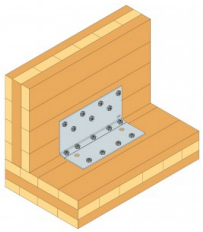
Fasteners

**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