



It is a bracket for static structural joints between wall and ceiling panels of laminated wood. They are separated by 12 mm thick SYLODYN Abai combines two components without increasing sound transmission and vice versa prevents him from



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

## FEATURES



## Material

- Galvanized steel S250GD with zinc coating thickness of 20 microns
- Sylodyn®: Polyurethane Syloer SR220

## Benefits

- saving time and cost to build, because there is no need for additional sound insulation
- reduces sound transmission
- more living space because of additional sound insulation
- a positive impact on the indoor environment, greater wind resistance, due to isolation SYLODYN along the outer walls

## APPLICATIONS

### Applications

wood, other wood-based materials

### Scope

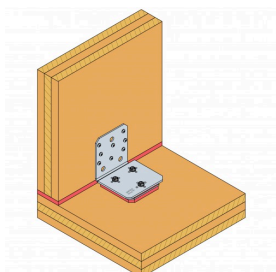
- Use wood / wood, wood / concrete, wood / steel. Connection can be made only from one side.
- Resistance-sided connection SYLODYN d-12 between wall and ceiling

\*) Screws: SDS25600MB

Values for single-sided connection with SYLODYN angle, 12 mm between wall and ceiling

TECHNICAL DATA

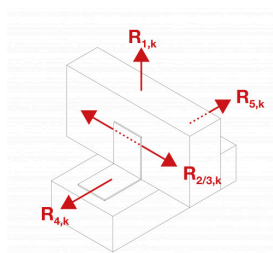
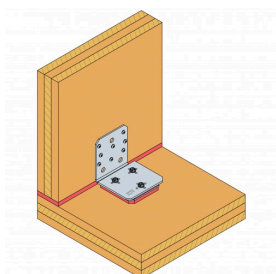
Product Dimensions



References	Tun / DB nr.	NOB nr.	Product Dimensions [mm]						Joist		Holes flange B
			A	B	C	D	E	t	Ø5	Ø11	Ø7
ABAI105	1923004	46900855	113	103	90	106	18	3	8	3	3

Single-sided connection with a Sylodyn insulation strips d = 12 mm between wall and ceiling

Product capacities - ABAI



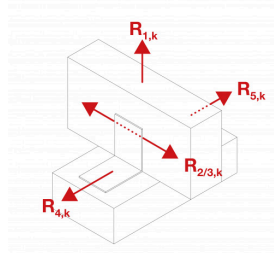
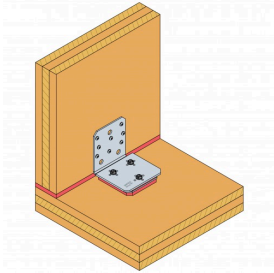
References	Product capacities - Timber to timber - Full nailing											
	Number of Fasteners				Characteristic capacities - Timber C24 - 1 angle brackets per connection [kN]				Slip modulus $K_{ser}$ for load direction [kN/mm]			
	Joist		Flange B		$R_{1,k}$	$R_{2/3,k}$	$R_{4,k}$	$R_{5,k}$	$R_{1,k}$	$R_{2/3,k}$	$R_{4,k}$	$R_{5,k}$
Qty	type	Qty	type									
ABAI105	8	CNA4,0x60	3	SDS25600	2,0/kmod	2,0/kmod	3,3/kmod	2,3/kmod	0.8	0.68	1.16	0.8

Design:

For the overlap of the action must be proven:

$$\sum \left( \frac{F_{i,d}}{R_{i,d}} \right)^2 \leq 1$$

**Simplified characteristic capacities - Wood to concrete - 1 bracket per connection**



References	Simplified product capacities - Timber to timber – Full nailing											
	Number of Fasteners				Simplified characteristic capacities - Timber C24 - 2 angle brackets per connection [kN]				Slip modulus $k_{ser}$ for load duration			
	Joist		Flange B		$R_{1,k}$	$R_{2/3,k}$	$R_{4,k}$	$R_{5,k}$	$R_{1,k}$	$R_{2/3,k}$	$R_{4,k}$	$R_{5,k}$
	Qty	Type	Qty	Type								
ABAI105	8	CNA4,0x60	3	SDS25600	2.2	2.2	3.7	2.6	0.8	0.68	1.16	0.8

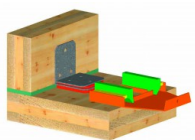
The published characteristic capacity is based on short term load duration and service class 2 according to EC5 (EN 1995) –  $k_{mod} = 0.9$ . For other load duration and service class, please refer to the ETA to get more accurate capacities for load combination:

$$\sum \left( \frac{F_{i,d}}{R_{i,d}} \right)^2 \leq 1$$

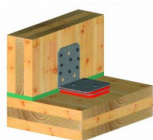
## INSTALLATION

### Installation

- Vertical: 8xCNA4,0x60 (O11; 3 St.) neboCSA5,0x50
- Bottom: 3xSDS25600



Montage à l'aide du gabarit MOABAI



Fixation de l'équerre avec les vis SDS



Gabarit MOABAI



Exemple de mise en œuvre