

Technical data sheet

SIMPSON
Strong-Tie

AB6983 / AB36125 / AB3560

AB6983 / AB36125

These angles are used for anchoring and force transmission between the beams and the base plate.

Features

Material

Steel quality:

S250GD + Z275 according to DIN EN10346

Corrosion protection:

275 g / m galvanized on both sides 20mm

Benefits

- **To connect to a wall in confined areas and achieving the appropriate distance from the edge of fasteners**
- **joint at a distance from the wall elements**
- **Connection perpendicular or parallel to the joists**
- **applicable materials**
- **suitable for connections wood-wood, concrete, steel**

Applications

Applicatons

- **Can be used also for connection of the longitudinal elements to the wall panels**

Scope

- The angle connectors are used for the anchoring of blockages to initiate the forces of the associations in the ring beam or ceiling tiles.
- The connector can also be used for the connection of longitudinal forces at the wall panels

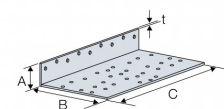
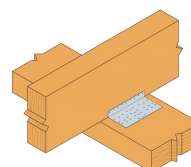


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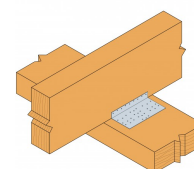
Technical Data

Product Dimensions



| References | Dimensions and drill holes [mm] | | | | Joist | | Holes flange B | | Weight [kg] |
|------------|---------------------------------|-----|-----|-----|---------|---------|----------------|----------|-------------|
| | A | B | C | t | Ø4 [mm] | Ø5 [mm] | Ø5 [mm] | Ø13 [mm] | |
| AB6983 | 69 | 83 | 300 | 2.5 | 14 | - | - | 2 | 0.89 |
| AB36125 | 36 | 125 | 247 | 2 | - | 9 | 30 | - | 0.64 |
| AB3560 | 35 | 60 | 270 | 1.5 | 9 | - | 8 | - | 0.3 |

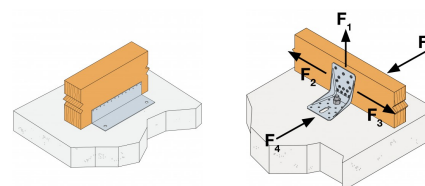
Product capacities - Timber to timber



| References | Product capacities - Timber to timber | | |
|------------|---------------------------------------|----------|---|
| | Number of Fasteners | | Characteristic capacities - Timber C24 - 1 angle brackets per connection [kN] |
| | Joist | Flange B | $R_{2,k} = R_{3,k}$ |
| | Qty | Qty | CNA4.0x40 |
| AB36125 | 7 | 7 | 10.3 |
| AB3560 | 9 | 8 | 10,6* |

* CNA3,1x40 in flange A, CSA5,0x25 in flange B

Product capacities - Timber to concrete



| References | Product capacities - Timber to Concrete | | | |
|------------|---|------|---|------|
| | Number of Fasteners | | Characteristic capacities - Timber C24 - 1 angle brackets per connection [kN] | |
| | Joist | | $R_{2,k} = R_{3,k}$ | |
| | Qty | Type | Qty | Type |
| AB6983 | 14 | CNA | 2 | M12* |
| | | | | |

* Refer to Characteristic Capacity table columns for type of fasteners that can be used in Flange A. Capacities vary depending on fastener type used.

** The bolt design resistance requirement $R_{\#,d}$ is determined from (bolt factor x connection design load $F_{\#,d}$) for the required load direction and fastener. Refer to the Simpson Strong-Tie anchor product range for suitable anchors. Typical anchor solutions are BOAXII, SET-XP, WA, AT-HP, depending on the concrete type, spacing and edge distances.

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Installation

Fasteners

- Installation and assembly of components of wood using nails or screws CNA CSA5,0xℓ.
- For mounting on concrete surfaces are used M12 anchor bolts.

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