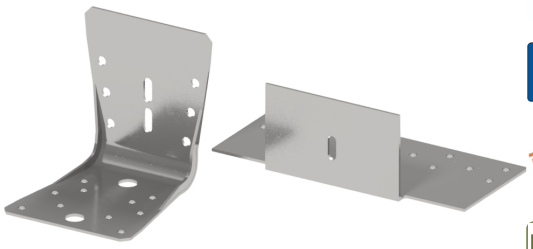
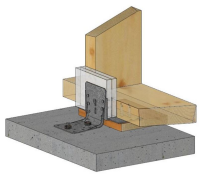
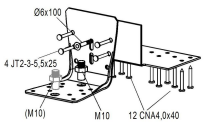
Technical Sheet

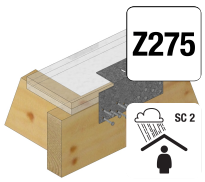
SC2P
Two part shear connector

Making a statically relevant connection on the narrow side of a square timber is not easy in terms of the edge distances to be complied with. In the case of a threshold connection, the height compensation layer as well as a planking in front of it make it more difficult. In keeping with the two-part tie rods, this problem is certainly solved with the new two-piece shear angle SC2P. The SC2P consists of two different angle connectors, one angle of which is pre-assembled at the factory and the second angle is connected to the first on the construction site.









Features

Material

Steel quality:
S 250 GD + Z 275 according to DIN EN
Corrosion protection:
275 g/m2 galvanized on both sides 20mm

Benefits

- Setting up the base on site
- It´s given the option for a height compensation up to 40mm
- fixing through a layer up to 30mm

Applications

Applications

Supporting member:

- Concrete, steel

Supported member:

- Solid wood, engineered wood

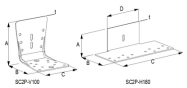
When to use

With this shear connector, timber constructions can be optimally connected to concrete substructures, as described, e.g. reinforced in wood frame construction.

Technical Sheet

SC2P
Two part shear connector

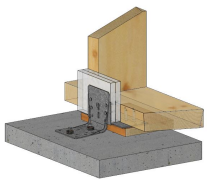
Technical Data



Product Dimensions

Reference	Connector Dimensions									
	Product Dimensions[mm]					Joist		Flange B		Other
	A[mm]	B[mm]	C[mm]	d[mm]	t[mm]	Round Ø6	Obround Ø6x16	Round Ø5	Round Ø12	Weight[kg]
SC2P-V100	103	103	90	-	2	6	2	10	2	0.2
SC2P-H180	57	82	180	95	2	-	1	12	-	0.32
SC2P-1	-	-	-	-	-	-	-	-	-	0.7

The both parts, SC2P-V100 and SC2P-H180, are offered together with the appropriate EJOT screws only as set.



Product capacities - concrete

Reference	Holdowns capacity						
	Product capacity - On Concrete						
	Characteristic Capacities[kN]			Number of Fasteners			
				Joist		Flange B	
	$R_{2/3,k}$	$R_{4,k}$	$R_{5,k}$	Qty	Type	Qty	Type
SC2P-1	6.8/kmod	6.4/kmod	5.4/kmod	4 + 1	EJOT JT2-3-5.5x25 + Screw Ø6x100	1 + 12	Bolt M10 + CNA4.0x40

The capacities are vailid for the combination of both items
For connection with 2 bolts, the capacity for $R_{2/3.k}$ is 10.4/k_{mod}

Product capacities - timber

Reference	Holdowns capacity						
	Product capacity - On Timber						
	Characteristic capacities on Timber[kN]			Number of Fasteners			
				Joist		Flange B	
	$R_{2/3,k}$	$R_{4,k}$	$R_{5,k}$	Qty	Type	Qty	Type
SC2P-1	6.8/kmod	6.4/kmod	min (5.6 ; 5.4/kmod)	4 + 1	EJOT JT2-3-5.5x25 + Screw Ø6x100	10 + 12	CNA4.0x50 + CNA4,0x40

Installation

Fasteners

The fastening is made on the wall element with CNA4.0x40
The fising on the floor is made with anchor Ø10mm, the options are given for using 1 or 2 anchors.
The connection betwenn both SC2P elements is made with a Ø6mm screw and 4 self drilling screws JT-2-3-5,5x25 .

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