

SDE  
**Width Adjustable Face Fix Joist Hanger**

*The SDE is a two piece, width adjustable face fix hanger. The two separate components that make up the SDE system can be adjusted to suit a range of joist widths between 60mm to 160mm. Each SDE is supplied as a pair. Optional bolt holes (13mm diameter).*

## Features

### Material

- Galvanised steel S250GD + Z275 according to NF EN 10346.

### Avantages

- Great flexibility in use in new and refurbished condition.

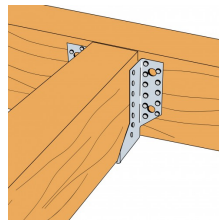
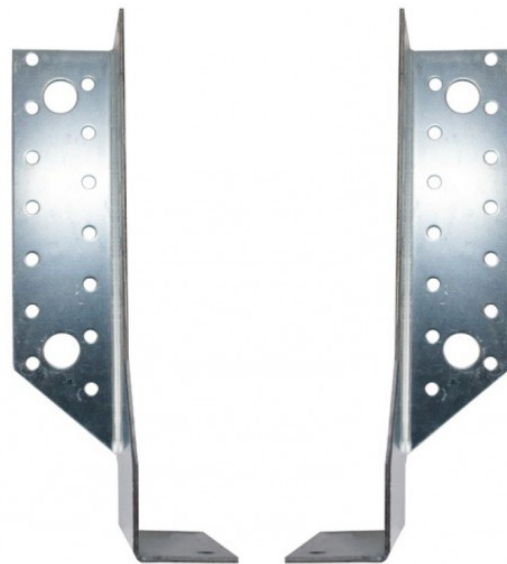
### Applications

### Support

- Supporting member:** wood, concrete, steel
- Supported member:** solid wood, composite lumber

### Intend Use

- Joists
- Refurbishment of existing assemblies

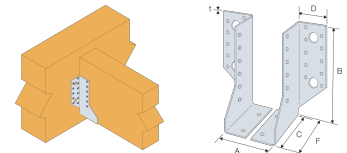


Installation Timber to timber

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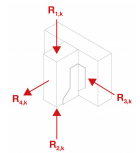
## Technical Data

### Product Dimensions



References	Joist Size [mm]				Product Dimensions [mm]							Header holes		Joist holes
	Width		Height		A	B	C	D	F	t	Ø5	Ø13	Ø5	
	Min	Max.	Min	Max.										
SDE300/30	60	250	120	177	60	118	84	41.5	86	2	18	4	10	
SDE340/30	60	250	140	207	60	138	84	41.5	86	2	22	4	12	
SDE380/30	60	250	160	237	60	158	84	41.5	86	2	22	4	12	
SDE440/30	60	250	190	282	60	188	84	41.5	86	2	28	4	15	

### Product Capacities - Timber to Timber - Full nailing Br36



References	Characteristic capacities - Timber to timber - Full nailing											
	Number of Fasteners				Product characteristic capacities - Timber C24 [kN]				Safe Working Loads [kN]			
	Header		Joist		R <sub>1,k</sub>		R <sub>2,k</sub>		R <sub>1,SWL, Long Term</sub>		R <sub>2,SWL, Short Term</sub>	
	Qty	Type	Qty	Type	N3.75x30	Ø4,0x100	N3.75x30	Ø4,0x100	N3.75x30	Ø4,0x100	N3.75x30	Ø4,0x100
SDE300/30	18	N3,75x30 or N4,0x100*	10	N 3,75x30	3	9.6	4.5	9.6	1.3	4	2.3	4.8
SDE340/30	22	N3,75x30 or N4,0x100*	12	N 3,75x30	3.9	11.5	6.3	11.5	1.6	4.8	3.2	5.8
SDE380/30	22	N3,75x30 or N4,0x100*	12	N 3,75x30	11.5	11.5	6.3	11.5	4.8	4.8	3.2	5.8
SDE440/30	28	N3,75x30 or N4,0x100*	14	N 3,75x30	14.3	14.3	9.4	14.3	6	6	4.7	7.2

\*Characteristic Capacity varies depending on the type of header fastener used (N3.75x30 Square twist nail, or N4.0x100 Round Wire Nail)

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## Installation

### Fasteners

**On wood:**

- CNA annular ring-shank nails dia. 4.0 x 50 mm
- Lag screws and bolts dia. 10 or dia. 12 mm

**On concrete:****Concrete substrate:**

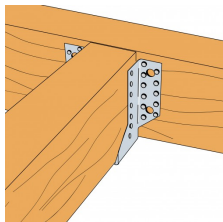
- *Mechanical anchor:* WA M12-104/5 pin
- *Chemical anchor:* AT-HP resin + LMAS M12-150/35 threaded rod

**Hollow masonry substrate: (check the load bearing capacity of the anchors)**

- *Chemical anchor:* AT-HP or POLY-GP resin + LMAS M12-150/35 + SH M16-130 screen

### Installation

- Use all fasteners as specified in the table below.
- Check that the header can accommodate the fasteners specified.
- Each SDE piece must also be nailed through the holes underneath the joist.



Installation Timber to timber

