Technical Sheet

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 250mm. 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.

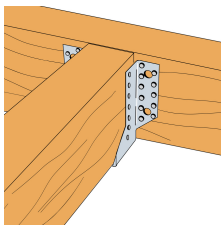
Applications

Support

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

Intend Use

- Joists
- Refurbishment of existing assemblies



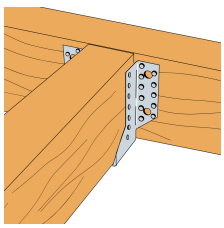
Installation Timber to timber



Two elements hangers SDEG



Two elements hangers SDED

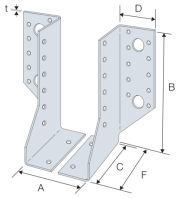


Installation Timber to timber

Technical Sheet

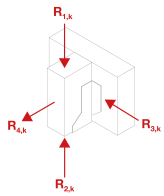
SDE
Width Adjustable Face Fix Joist Hanger

Technical Data



Product Dimensions

Reference	Connector Dimensions													
	Timber size[mm]				Product Dimensions[mm]						Header holes		Joist holes	Other
	Height		Width		A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Round		Round	Weight[kg]
	Min[mm]	Max.[mm]	Min[mm]	Max.[mm]							Ø5[mm]	Ø13[mm]	Ø5[mm]	
SDE300/30	120	177	60	250	60	118	84	41.5	86	2	18	4	10	0.37
SDE340/30	140	207	60	250	60	138	84	41.5	86	2	22	4	12	0.43
SDE380/30	160	237	60	250	60	158	84	41.5	86	2	22	4	12	0.44
SDE440/30	190	282	60	250	60	188	84	41.5	86	2	28	4	15	0.56



Product Capacities - Timber to Timber - Full nailing Br36

Reference	Hanger capacity			
	Characteristic capacities - Timber to timber - Full nailing			
	Number of Fasteners		Product characteristic capacities - Timber C24[kN]	
	Header	Joist	$R_{1,k}$	$R_{2,k}$
	Qty	Qty	CNA4,0x50	CNA4,0x50
SDE300/30	18.0	10	20.3	17.6
SDE340/30	22.0	12	26.6	24
SDE380/30	22.0	12	26.6	24
SDE440/30	28.0	14	33.2	33.2

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

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:

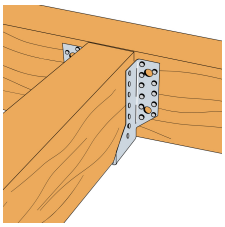
- *Mechanical anchor:* WA M12-104/5 pin
- *Chemical anchor:* AT-HP resin + LMAS M12-150/35 threaded rod

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 accomodate the fasteners specified.
- Each SDE piece must also be nailed through the holes underneath the joist.



Installation Timber to timber

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