

SAEPB Joist Hanger with External Flanges

The Joist hangers with external flanges SAE is a reference. It can be used in a lot of condition. The fixation is reliable and easy to make.

Features

Material

- Galvanized Steel S250GD + Z275 according to EN 10346
- Thickness 2 mm

Advantage

- Easy and quick installation

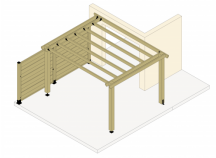
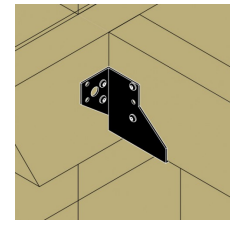
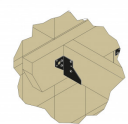
Applications

Support

- **Header Member:** Solid timber, Composite timber, Glulam, Steel, Concrete.
- **Joist:** Solid timber, Composite timber, Glulam.

For use with

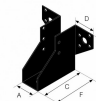
- Joist



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Technical Data

Rozměry a typické hodnoty



Art. nr.	Rozměry [mm]						Header holes		Joist holes
	A	B	C	D	F	t	Ø5	Ø13	Ø5
SAE200/46/2PB	46	77	84	41.5	86	2	8	2	5
SAE250/46/2PB	46	102	84	41.5	86	2	12	2	7

Product characteristic capacities - Timber to timber - full nailing

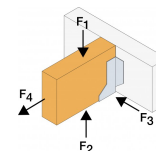
Art. nr.	Upevňovací prvky		Product characteristic capacities - Timber C24 [kN]			
	Hlava	Trám	R _{1,k}	R _{2,k}	R _{3,k}	R _{4,k}
	Množství	Množství	CSA5.0x35PB	CSA5.0x35PB	CSA5.0x35PB	CSA5.0x35PB
SAE200/46/2PB	8	5	6.5	4	1	2.9
SAE250/46/2PB	12	7	10.4	7.2	1.7	4.4

Product capacities - Timber to timber - Partial nailing

Art. nr.	Upevňovací prvky		Characteristic capacities - Timber C24 [kN]			
	Hlava	Trám	R _{1,k}	R _{2,k}	R _{3,k}	R _{4,k}
	Množství	Množství	CSA5.0x35PB	CSA5.0x35PB	CSA5.0x35PB	CSA5.0x35PB
SAE200/46/2PB	4	4	3.9	2.1	0.5	1.5
SAE250/46/2PB	6	4	6.3	2.9	0.9	2.2

Values given in the table above are valid for a joist to joist and joist to column application, subject to respecting the partial nailing plans specific to each configuration given in our ETA-06/0270 page 17.

Product characteristic capacities - Timber beam to rigid support



Art. nr.	Upevňovací prvky				Characteristic capacities - Timber C24 [kN]			
	Hlava		Trám		R _{1,k}	R _{2,k}	R _{3,k}	R _{4,k}
	Množství	Typ	Množství	Typ	CSA5.0x35PB	CSA5.0x35PB	CSA5.0x35PB	CSA5.0x35PB
SAE200/46/2PB	2	Ø10*	5	CSA**	12.8	9.2	2.8	5
SAE250/46/2PB	2	Ø10*	7	CSA**	16.5	12.8	3.8	5

* Refer to the Simpson Strong-Tie anchor product range for suitable anchors. Typical anchor solutions depend on the concrete type, spacing and edge distances. The values in this table are given for an installation in the middle of a concrete slab. In other installation condition (close to the edge,...), the designer must check the anchor separately (Our free software Anchor Designer is available for download on our website).

** CSA5,0x35PB

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Installation

Fasteners

Joist :

- Connector Nails CNA Ø 4.0 x 50 mm.
- Connector Nails CNA Ø 4.0 x 35 mm for width smaller than 64 mm.
- Screws CSA Ø 5.0 x 40 mm.
- Screws CSA Ø 5.0 x 35 mm for width smaller than 60 mm.

Header :

Timber

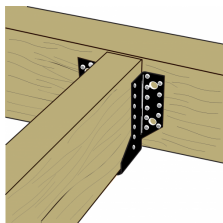
- Connector Nails CNA Ø 4.0 x 50 mm.
- Connector Nails CNA Ø 4.0 x 35 mm for width smaller than 64 mm.
- Screws CSA Ø 5.0 x 40 mm.
- Screws CSA Ø 5.0 x 35 mm for width smaller than 60 mm.

Steel :

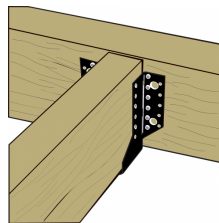
- Bolt Ø 12 or Ø 10 mm depending of the blank model (The diameter of the model must be maximum 2mm smaller than the hole diameter).

Concrete :

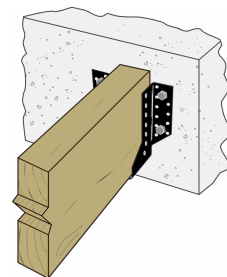
- *Mecahnical anchor* : WA M10-78/5 (for SAE200 and 250) and WA M12-104/5 (for SAE300, 340, 380, 440 and 500).
- *Chemical anchor* : resin AT-HP with threaded rod LMAS M10-120/25 (for SAE200 and 250) and LMAS M12-150/35 (for SAE300, 340, 380, 440 and 500).



SAEPB Mise en oeuvre sur bois - clouage total



SAEPB Mise en oeuvre sur bois - clouage partiel



SAEPB - Mise en oeuvre sur béton

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