



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.



[ETA-06/0270](#)

### OMINAISUUDET

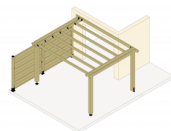
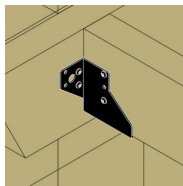


### Material

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

### Advantage

- Easy and quick installation



### SOVELLUS

#### Support

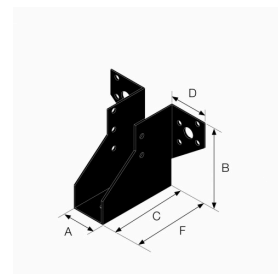
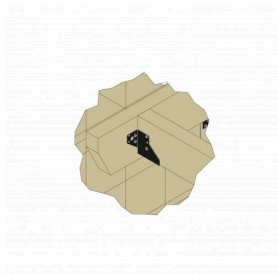
- Header Member:** Solid timber, Composite timber, Glulam, Steel, Concrete.
- Joist:** Solid timber, Composite timber, Glulam.

#### For use with

- Joist

## TECHNICAL DATA

### Mitat ja ominaisarvot



Tuotenro	DB nr.	Joist dimensions [mm]				Mitat [mm]						Header holes		Joist holes
		Leveys		Korkeus		A	B	C	D	F	t	Ø5	Ø13	Ø5
		Minimi	Maksimi	Minimi	Maksimi									
SAE200/46/2PB	2150434	44	46	92	116	46	77	84	41.5	86	2	8	2	5
SAE250/46/2PB	2150437	44	46	112	153	46	102	84	41.5	86	2	12	2	7

### Product characteristic capacities - Timber to timber - full nailing

Tuotenro	Liitoskiinnikkeet		Product characteristic capacities - Timber C24 [kN]			
	määräipal	SB	R <sub>1,k</sub>	R <sub>2,k</sub>	R <sub>3,k</sub>	R <sub>4,k</sub>
	Määrä	Määrä	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

### Kestävyyden ominaisarvot - Puu-puu liitos - Osittainen kiinnitys

Tuotenro	Liitoskiinnikkeet		Kestävyyden ominaisarvot [kN]			
	määräipal	SB	R <sub>1,k</sub>	R <sub>2,k</sub>	R <sub>3,k</sub>	R <sub>4,k</sub>
	Määrä	Määrä	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

Tuotenro	Liitoskiinnikkeet				Kestävyyden ominaisarvot [kN]			
	Primääripaalkki		SB		R <sub>1,k</sub>	R <sub>2,k</sub>	R <sub>3,k</sub>	R <sub>4,k</sub>
	Määrä	Tyyppi	Määrä	Tyyppi				
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 are BOAXII, SET-XP, WA, AT-HP, depending 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

## ASENNUS

### 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

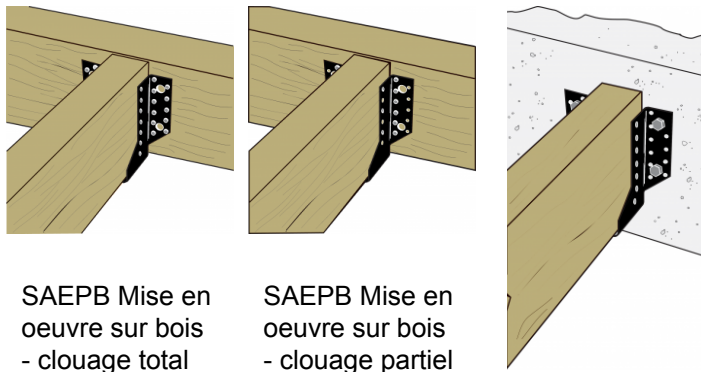
- Connector Nails CNA Ø 4.0 x 50 mm.
- Connector Nails CNA Ø 4.0 x 35 mm for width smaller than 64 mm.
- Screws CSA Ø 5.0 x 40 mm.
- Screws CSA Ø 5.0 x 35 mm for width smaller than 60 mm.

##### 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 :

- Mechanical 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