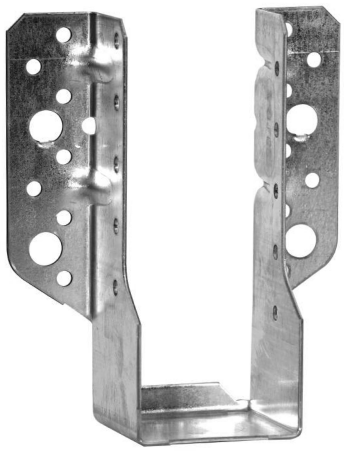
Technical Sheet

SBE
Joist hangers external flange

SBE is a joist hanger that provides a load bearing capacity similar to the model with 2 mm thickness. It is the first joist hanger resulting from a study carried out according to Eurocode 5 specifications.



Features

Material

- Galvanized steel S250GD + Z275 according to NF EN 10346.
- Thickness 1.5 mm.

Advantages

- Joist hanger optimized for faster installation (20% less nailing compared to SAE).
- Speed prong for easier installation on wood substrate.
- Lower thickness without loss of resistance.

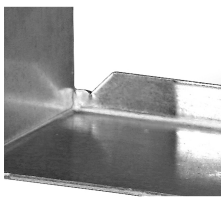
Applications

Support

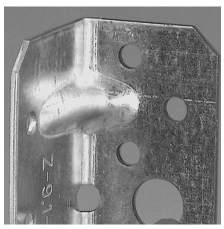
- **Supporting member**: solid wood, composite lumber, glued-laminated wood, concrete, steel.
- **Supported member**: solid wood, composite lumber, glued-laminated wood.

Intend Use

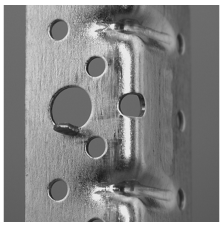
- Joists, purlins.
- Smooth beams and cladding uprights.
- Rafter ends.
- Refurbishment of existing assemblies, etc.



Back seat to prevent opening of the joist hangers



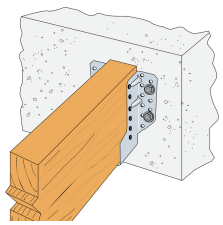
Ribs to increase stiffness



"Speed-prong" to help installation



Face fix hangers SBE



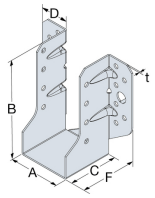
Rigid support installation

Technical Sheet

SBE
Joist hangers external flange

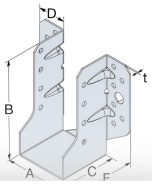
Technical Data

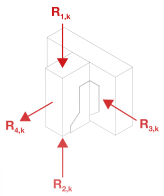
Product Dimensions



Reference	Connector Dimensions														
	Other			Timber size[mm]			Product Dimensions[mm]						Header holes		Joist holes
	Tun / DB nr.	NOB nr.	Weight[kg]	Width[mm]	Height		A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Round		Round
					Min[mm]	Max. [mm]							Ø5[mm]	Ø11[mm]	Ø5[mm]
SBE40/110	5086538	26224352	0.2	40	123	165	40	110	55	30	54	1.5	12	2	8
SBE40/140	5086549	28736114	0.24	40	153	210	40	140	55	30	54	1.5	14	2	10
SBE45/93	5086529	25911793	0.17	45	105	139	45	92.5	55	30	54	1.5	12	2	6
SBE45/108	5086539	26224360	0.2	45	120	162	45	107.5	55	30	54	1.5	12	2	8
SBE45/138	5086550	28755585	0.24	45	150	207	45	137.5	55	30	54	1.5	14	2	10
SBE45/168	5086560	28992535	0.29	45	180	252	45	167.5	55	30	54	1.5	18	4	12
SBE51/90	5086531	26196733	0.17	51	102	135	51	89.5	55	30	54	1.5	12	2	6
SBE51/135	5086552	28902583	0.24	51	147	202	51	134.5	55	30	54	1.5	14	2	10
SBE60/100	5084916	26518449	0.2	60	113	150	60	100	55	30	54	1.5	12	2	8
SBE60/130	5086553	28902591	0.24	60	143	195	60	130	55	30	54	1.5	14	2	10
SBE60/160	-	-	0.29	60	173	240	60	160	55	30	54	1.5	18	4	12
SBE70/125	5086555	28902617	0.24	70	138	188	70	125	55	30	54	1.5	14	2	10
SBE80/120	5068635	28991925	0.24	80	133	180	80	120	55	30	54	1.5	14	2	10
SBE80/150	5086569	28994044	0.29	80	163	225	80	150	55	30	54	1.5	18	4	12
SBE90/145	5086570	28994051	0.29	90	158	218	90	145	55	30	54	1.5	18	4	12
SBE100/140	5068634	28994077	0.29	100	153	210	100	140	55	30	54	1.5	18	4	12

Product Capacities



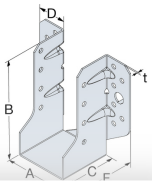


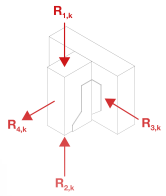
Reference												
	Numbe Fasten											
	Header											R3,
	Qty	Qty	CNA4.0x35	CNA4,0x40	CNA4,0x50	CNA4,0x60	CNA4.0x35	CNA4,0x40	CNA4,0x50	CNA4,0x60	CNA4.0x35	CNA4,0x40
SBE40/110	12.0	8	11.4	13.2	0	0	5.2	5.2	0	0	5.5	6.3

Product Capacities
See full table online ➡️

Technical Sheet

SBE
Joist hangers external flange

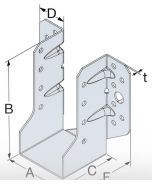


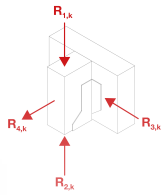


Product capacities - Timber to timber - Partial nailing

Product capacities - Timber to timber - Partial nailing
See full table online ➡️

Reference	Number of Fasteners		Hanger capacity - Partial nailing - Characteristic capacities - Timber C24[kN]									
	Header										R3,	
	Qty	Qty	CNA4.0x35	CNA4,0x40	CNA4,0x50	CNA4,0x60	CNA4.0x35	CNA4,0x40	CNA4,0x50	CNA4,0x60	CNA4.0x35	CNA4,0x40
SBE40/110	8.0	4.0	8.2	9.4	0	0	5.2	5.2	0	0	2.1	2.3





Product capacities - Timber to concrete or steel

Product capacities - Timber to concrete or steel
See full table online ➡️

Reference	Number of Fasteners				Hanger capacity - Characteristic capacities - Timber C24[kN]								
	Header												
	Qty	Typ										CNA4,0x60	CNA4.0x3
SBE40/110	2.0	Ø10*	8.0	CNA**	5	14.2	14.2	0	0	5.2	5.2	0	0	8.9

Product capacities - Timber to timber - with connector screw SSH

Product capacities - Timber to timber - with connector screw SSH
See full table online ➡️

Reference	Number of Fasteners				Hanger capacity - Product capacities - Timber to timber - with connector screw - Characteristic capacities - Timber C24[kN]								
	Header												
	Qty											CNA4.0x60	CNA4.0x
SBE40/110	2.0	SSH										-	1.2
SBE40/140	2.0	SSH										-	1.2
SBE45/93	2.0	SSH										-	1.5
SBE45/108	2.0	SSH10.0x40	8.0	CNA*	7.2	7.2	-	-	7.2	7.2	-	-	1.2

Installation

Fasteners

On supported member:

- CNA annular ring-shank nails dia. 4.0 x 50 mm.
- CNA annular ring-shank nails dia. 4.0 x 35 mm for thickness less than 64 mm.
- CSA screws dia. 5.0 x 40 mm.
- CSA screws dia. 5.0 x 35 mm for thickness less than 60 mm.

On supporting member:
Wood substrate:

- CNA annular ring-shank nails dia. 4.0 x 50 mm.
- CNA annular ring-shank nails dia. 4.0 x 35 mm for thickness less than 64 mm.
- CSA screws dia. 5.0 x 40 mm.
- CSA screws dia. 5.0 x 35 mm for thickness less than 60 mm.

Steel substrate:

- Bolts dia. 10 mm (bolt diameter cannot be more than 2 mm smaller than the drill hole diameter).

Concrete substrate:

- *Mechanical anchor* dia. 10: WA M10-78/5 pin.
- *Chemical anchor* dia. 10: AT-HP resin + LMAS M10-*120/25 threaded rod.*

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

- *Chemical anchor* dia. 10: AT-HP or POLY-GP resin + LMAS M10-120/25 threaded rod + SH M16-130 screen.

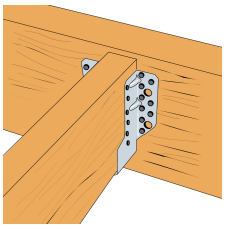
Installation

Sur Bois :

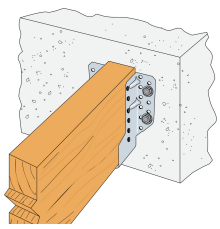
1. Tracer l'emplacement de la poutre portée sur le porteur,
2. Présenter le sabot et préfixer les ailes de chaque côté,
3. Ajuster le sabot par rapport aux tracés : le sabot doit être légèrement plus ouvert en haut que en bas pour faciliter l'installation de la poutre portée,
4. Finaliser la fixation sur chaque aile,
5. Présenter la poutre portée dans le sabot et la fixer en clouage partiel ou total.

Sur Béton :

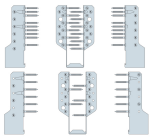
1. Méthode 1 : Tracer l'emplacement des perçages en appliquant le sabot sur la poutre,
2. Méthode 2 : Tracer l'emplacement de la poutre sur le support, présenter le sabot et repérer les centres des perçages,
3. Percer le support avec un forêt adapté,
4. Présenter le sabot et fixer le sur le support avec des goujons d'ancrages,
5. Présenter la poutre portée dans le sabot avant de la fixer.



Full nailing on timber

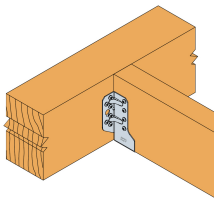


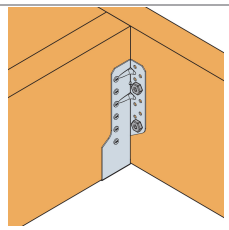
Rigid support installation



Technical Sheet

SBE
Joist hangers external flange





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2026-11-03