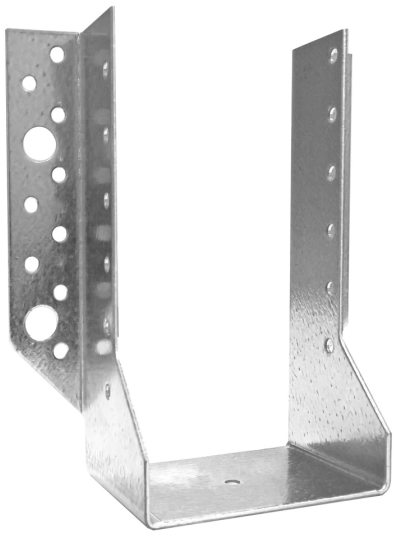
Technical Sheet

BSNN
Face Fix Hangers

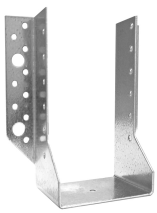
BSNN ranges are heavy-duty hangers designed for applications requiring additional strength. Hangers are nailed using system CNA nails but have bolt holes for 12mm fasteners into the face. The hanger depth is to be at least 2/3 of the carried member heights to prevent rotation, unless additional lateral restraint is added to the top of the carried member.











Features

Material

- Pre-galvanised steel S250GD + Z275 according to EN 10346 (Thickness : 2mm)

Benefits

- The BSNN joist hangers are also approved for three-axle loads.
- Connections to concrete, steel and masonry are permissible, see static values.

Applications

Header member

- **Header :** Solid sawn, SCL, Glulam, Steel, Concrete
- **Joist :** Solid sawn, SCL, Glulam

Intend Use

- Joist, purlin, beam
- Cladding plate, rafter
- Reinforcement of existing assemblies

Technical Sheet

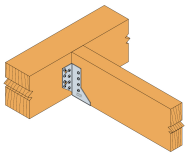
BSNN
Face Fix Hangers

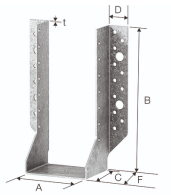
SIMPSON Strong-Tie

Technical Data

Technical Sheet

BSNN
Face Fix Hangers





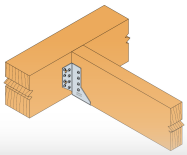
Product Dimensions

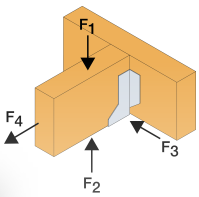
Reference	Connector Dimensions														
	Other		Timber size[mm]				Product Dimensions[mm]						Header holes		Joist holes
	Qty per Box	Weight[kg]	Height		Width		A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Round		Round
			Min[mm]	Max. [mm]	Min[mm]	Max. [mm]							Ø5[mm]	Ø11.5[mm]	Ø5[mm]
BSNN40/95	50	0.21	105	143	38	40	40	95	60	27	63	2	8	2	6
BSNN40/110	40	0.24	120	165	38	40	40	110	60	27	63	2	12	2	6
BSNN40/140	40	0.3	150	210	38	40	40	140	60	27	63	2	16	2	10
BSNN45/93	50	0.21	102	139	43	45	45	92	60	27	63	2	8	2	6
BSNN45/108	40	0.24	118	161	43	45	45	108	60	27	63	2	12	2	6
BSNN45/138	40	0.3	148	206	43	45	45	138	60	27	63	2	16	2	10
BSNN45/168	40	0.35	178	251	43	45	45	168	60	27	63	2	18	4	12
BSNN45/198	30	0.42	208	296	43	45	45	198	60	27	63	2	22	4	14
BSNN48/91	50	0.21	101	136	46	48	48	91	60	27	63	2	8	2	6
BSNN48/136	40	0.3	146	204	46	48	48	136	60	27	63	2	16	2	10
BSNN48/166	40	0.35	176	249	46	48	48	166	60	27	63	2	18	4	12
BSNN48/226	30	0.46	236	339	46	48	48	226	60	27	63	2	26	4	16
BSNN51/90	50	0.21	100	134	49	51	51	90	60	27	63	2	8	2	6
BSNN51/105	40	0.24	114	157	49	51	51	104	60	27	63	2	12	2	6
BSNN51/135	40	0.3	144	202	49	51	51	134	60	27	63	2	16	2	10
BSNN51/164	40	0.35	174	247	49	51	51	164	60	27	63	2	18	4	12
BSNN51/195	30	0.42	204	292	49	51	51	194	60	27	63	2	22	4	14
BSNN60/100	40	0.24	110	150	58	60	60	100	60	27	63	2	12	2	6
BSNN60/130	40	0.3	140	195	58	60	60	130	60	27	63	2	16	2	10
BSNN60/160	40	0.35	170	240	58	60	60	160	60	27	63	2	18	4	12
BSNN60/190	30	0.42	200	285	58	60	60	190	60	27	63	2	22	4	14
BSNN60/220	30	0.46	230	330	58	60	60	220	60	27	63	2	26	4	16
BSNN64/98	40	0.21	108	147	62	64	64	98	60	27	63	2	12	2	6
BSNN70/125	40	0.3	135	188	68	70	70	125	60	27	63	2	16	2	10
BSNN70/155	40	0.35	165	232	68	70	70	155	60	27	63	2	18	4	12
BSNN73/124	40	0.3	134	185	71	73	73	124	60	27	63	2	16	2	10
BSNN73/154	40	0.35	164	230	71	73	73	154	60	27	63	2	18	4	12
BSNN73/184	30	0.42	194	275	71	73	73	184	60	27	63	2	22	4	14
BSNN76/122	40	0.3	132	183	74	76	76	122	60	27	63	2	16	2	10
BSNN76/152	40	0.35	162	228	74	76	76	152	60	27	63	2	18	4	12
BSNN76/182	30	0.42	192	273	74	76	76	182	60	27	63	2	22	4	14
BSNN80/120	40	0.3	130	180	78	80	80	120	60	27	63	2	16	2	10
BSNN80/150	40	0.35	160	225	78	80	80	150	60	27	63	2	18	4	12
BSNN80/180	30	0.42	190	270	78	80	80	180	60	27	63	2	22	4	14
BSNN80/210	30	0.46	220	315	78	80	80	210	60	27	63	2	26	4	16
BSNN90/145	40	0.35	155	218	88	90	90	145	60	27	63	2	18	4	12
BSNN90/205	30	0.46	215	308	88	90	90	205	60	27	63	2	26	4	16
BSNN98/141	40	0.35	151	212	96	98	98	141	60	27	63	2	18	4	12
BSNN100/140	40	0.35	150	210	98	100	100	140	60	27	63	2	18	4	12
BSNN100/170	30	0.42	180	255	98	100	100	170	60	27	63	2	22	4	14

Technical Sheet

BSNN
Face Fix Hangers

Reference	Connector Dimensions														
	Other		Timber size[mm]				Product Dimensions[mm]						Header holes		Joist holes
	Qty per Box	Weight[kg]	Height		Width		A[mm]	B[mm]	C[mm]	D[mm]	F[mm]	t[mm]	Round		Round
			Min[mm]	Max. [mm]	Min[mm]	Max. [mm]							Ø5[mm]	Ø11.5[mm]	Ø5[mm]
BSNN100/200	30	0.46	210	300	98	100	100	200	60	27	63	2	26	4	16
BSNN115/163	30	0.42	172	244	113	115	115	162	60	27	63	2	22	4	14
BSNN115/193	30	0.46	202	289	113	115	115	192	60	27	63	2	26	4	16
BSNN120/160	30	0.42	170	240	118	120	120	160	60	27	63	2	22	4	14
BSNN120/190	30	0.46	200	285	118	120	120	190	60	27	63	2	26	4	16
BSNN140/150	30	0.42	160	225	138	140	140	150	60	27	63	2	22	4	14
BSNN140/180	30	0.46	190	270	138	140	140	180	60	27	63	2	26	4	16

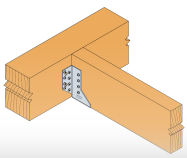


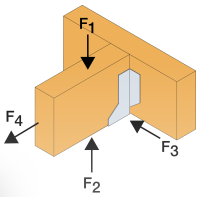


Product capacities - Timber to timber - full nailing

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







Product capacities - Timber to timber - Partial nailing

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



Installation

Fasteners

Joist:
- **Connector nails CNA Ø4.0x50**
- **Connector nails CNA Ø4.0x35 for thickness less than 64mm**
- **Connector screws CSA Ø5.0x40**
- **Connector screws CSA Ø5.0x35 for thickness less than 60mm**

Header:
Timber header:
- **Connector nails CNA Ø4.0x50**
- **Connector nails CNA Ø4.0x35 for thickness less than 64mm**
- **Connector screws CSA Ø5.0x40**
- **Connector screws CSA Ø5.0x35 for thickness less than 60mm**

Steel Header:
- **Bolt Ø10mm**

The difference between diameter of the hole and the bolt can't be more than 2mm
Concrete Header:
- **Mechanical Anchor: Throughbolt WA M10/78/5**
- **Chemical Anchor: AT-HP with LMAS M10/10**





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