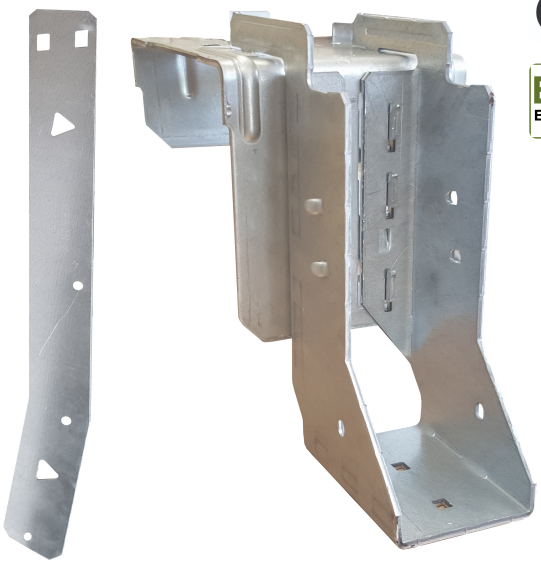
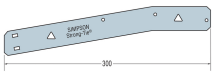
Technical Sheet

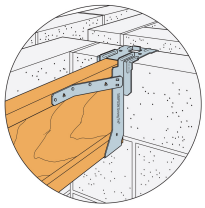
SFHI

Safety Fast Masonry Restraint Hanger For I-Joist

The Safety Fast Hangers are designed to support timber joists, beams and trussed rafters from masonry walls without the need for masonry above the top flange.







Features

Materials

- Pre-galvanised mild steel

Benefits

- Requires no masonry above the top flange to achieve the published performance values.
- Improved vertical and lateral load distribution.
- Mini Strap simply hooks onto the hanger.
- Enables the construction of the floor deck prior to the next lift of masonry.
- Reduces Health & Safety risks associated with the use of the traditional masonry hangers with no masonry above.
- Eliminates the need for propping of floor joists.
- Mini Strap provides lateral restraint capacity in accordance with NHBC guidelines.
- Allows for retrofit of lateral restraint straps.

Applications

Suitable For

- I-joist to masonry connections.

Technical Sheet

SFHI

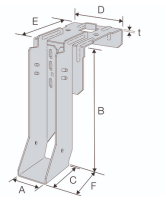
Safety Fast Masonry Restraint Hanger For I-Joist

Technical Data

Technical Sheet

SFHI

Safety Fast Masonry Restraint Hanger For I-Joist



Product Dimensions

Reference	Connector Dimensions											
	Timber size[mm]		Product Dimensions[mm]							Joist holes		Other
	Width[mm]	Height[mm]	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	t[mm]	Obround Ø6x4[mm]	Round Ø4.2[mm]	Weight[kg]
SFHI195/40/100	38	195.0	40	195	64	100	103	75	2.5	2	3	-
SFHI200/40/100	38	200.0	40	200	64	100	103	75	2.5	2	3	-
SFHI220/40/100	38	220.0	40	220	64	100	103	75	2.5	2	3	-
SFHI225/40/100	38	225.0	40	225	64	100	103	75	2.5	2	3	1.115
SFHI235/40/100	38	235.0	40	235	64	100	103	75	2.5	2	3	-
SFHI240/40/100	38	240.0	40	240	64	100	103	75	2.5	2	3	1.153
SFHI245/40/100	38	245.0	40	245	64	100	103	75	2.5	2	3	-
SFHI300/40/100	38	300.0	40	300	64	100	103	75	2.5	2	3	1.304
SFHI360/40/100	38	360.0	40	360	64	100	103	75	2.5	2	3	-
SFHI400/40/100	38	400.0	40	400	64	100	103	75	2.5	2	3	-
SFHI195/47/100	45	195.0	47	195	64	100	103	75	2.5	2	3	-
SFHI200/47/100	45	200.0	47	200	64	100	103	75	2.5	2	3	1.061
SFHI220/47/100	45	220.0	47	220	64	100	103	75	2.5	2	3	-
SFHI225/47/100	45	225.0	47	225	64	100	103	75	2.5	2	3	1.124
SFHI235/47/100	45	235.0	47	235	64	100	103	75	2.5	2	3	-
SFHI240/47/100	45	240.0	47	240	64	100	103	75	2.5	2	3	1.162
SFHI245/47/100	45	245.0	47	245	64	100	103	75	2.5	2	3	-
SFHI300/47/100	45	300.0	47	300	64	100	103	75	2.5	2	3	1.313
SFHI350/47/100	45	350.0	47	350	64	100	103	75	2.5	2	3	-
SFHI360/47/100	45	360.0	47	360	64	100	103	75	2.5	2	3	-
SFHI400/47/100	45	400.0	47	400	64	100	103	75	2.5	2	3	-
SFHI195/50/100	47	195.0	50	195	64	100	103	75	2.5	2	3	1.052
SFHI220/50/100	47	220.0	50	220	64	100	103	75	2.5	2	3	-
SFHI225/50/100	47	225.0	50	225	64	100	103	75	2.5	2	3	1.128
SFHI235/50/100	47	235.0	50	235	64	100	103	75	2.5	2	3	-
SFHI240/50/100	47	235.0	50	235	64	100	103	75	2.5	2	3	1.166
SFHI245/50/100	47	245.0	50	245	64	100	103	75	2.5	2	3	1.178
SFHI300/50/100	47	300.0	50	300	64	100	103	75	2.5	2	3	1.317
SFHI220/66/100	63	220.0	66	220	64	200	103	75	2.5	2	3	-
SFHI225/66/100	63	225.0	66	225	64	200	103	75	2.5	2	3	1.426
SFHI235/66/100	63	235.0	66	235	64	200	103	75	2.5	2	3	-
SFHI240/66/100	63	240.0	66	240	64	200	103	75	2.5	2	3	-
SFHI245/66/100	63	245.0	66	245	64	200	103	75	2.5	2	3	-
SFHI300/66/100	63	300.0	66	300	64	200	103	75	2.5	2	3	-
SFHI200/72/100	70	200.0	72	200	64	200	103	75	2.5	2	3	-
SFHI220/72/100	70	220.0	72	220	64	200	103	75	2.5	2	3	-
SFHI225/72/100	70	225.0	72	225	64	200	103	75	2.5	2	3	1.434
SFHI240/72/100	70	240.0	72	240	64	200	103	75	2.5	2	3	1.472
SFHI300/72/100	70	300.0	72	300	64	200	103	75	2.5	2	3	1.623
SFHI360/72/100	70	360.0	72	360	64	200	103	75	2.5	2	3	-
SFHI400/72/100	70	400.0	72	400	64	200	103	75	2.5	2	3	-
SFHI195/75/100	72	195.0	75	195	64	200	103	75	2.5	2	3	1.362

Technical Sheet

SFHI

Safety Fast Masonry Restraint Hanger For I-Joist

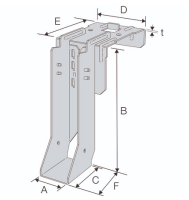
Reference	Connector Dimensions											
	Timber size[mm]		Product Dimensions[mm]							Joist holes		Other
	Width[mm]	Height[mm]	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	t[mm]	Obround Ø6x4[mm]	Round Ø4.2[mm]	Weight[kg]
SFHI200/75/100	72	200.0	75	200	64	200	103	75	2.5	2	3	1.375
SFHI220/75/100	72	220.0	75	220	64	200	103	75	2.5	2	3	1.425
SFHI225/75/100	72	225.0	75	225	64	200	103	75	2.5	2	3	-
SFHI235/75/100	72	235.0	75	235	64	200	103	75	2.5	2	3	-
SFHI245/75/100	72	245.0	75	245	64	200	103	75	2.5	2	3	1.488
SFHI253/75/100	72	253.0	75	253	64	200	103	75	2.5	2	3	-
SFHI300/75/100	72	300.0	75	300	64	200	103	75	2.5	2	3	1.627
SFHI304/75/100	72	304.0	75	304	64	200	103	75	2.5	2	3	-
SFHI350/75/100	72	350.0	75	350	64	200	103	75	2.5	2	3	-
SFHI356/75/100	72	356.0	75	356	64	200	103	75	2.5	2	3	-
SFHI373/75/100	72	373.0	75	373	64	200	103	75	2.5	2	3	-
SFHI400/75/100	72	400.0	75	400	64	200	103	75	2.5	2	3	-
SFHI417/75/100	72	417.0	75	417	64	200	103	75	2.5	2	3	-
SFHI421/75/100	72	421.0	75	421	64	200	103	75	2.5	2	3	-
SFHI195/78/100	2x38	195.0	78	195	64	200	103	75	2.5	2	3	-
SFHI200/78/100	2x38	200.0	78	200	64	200	103	75	2.5	2	3	-
SFHI220/78/100	2x38	220.0	78	220	64	200	103	75	2.5	2	3	-
SFHI225/78/100	2x38	225.0	78	225	64	200	103	75	2.5	2	3	1.442
SFHI235/78/100	2x38	235.0	78	235	64	200	103	75	2.5	2	3	-
SFHI240/78/100	2x38	240.0	78	240	64	200	103	75	2.5	2	3	1.479
SFHI245/78/100	2x38	245.0	78	245	64	200	103	75	2.5	2	3	-
SFHI360/78/100	2x38	360.0	78	360	64	200	103	75	2.5	2	3	-
SFHI400/78/100	2x38	400.0	78	400	64	200	103	75	2.5	2	3	-
SFHI195/91/100	2x45 or 89-90	195.0	91	195	64	200	103	75	2.5	2	3	-
SFHI200/91/100	2x45 or 89-90	200.0	91	200	64	200	103	75	2.5	2	3	-
SFHI220/91/100	2x45 or 89-90	220.0	91	220	64	200	103	75	2.5	2	3	-
SFHI225/91/100	2x45 or 89-90	225.0	91	225	64	200	103	75	2.5	2	3	1.459
SFHI235/91/100	2x45 or 89-90	235.0	91	235	64	200	103	75	2.5	2	3	-
SFHI240/91/100	2x45 or 89-90	240.0	91	240	64	200	103	75	2.5	2	3	1.497
SFHI245/91/100	2x45 or 89-90	245.0	91	245	64	200	103	75	2.5	2	3	-
SFHI300/91/100	2x45 or 89-90	300.0	91	300	64	200	103	75	2.5	2	3	1.648
SFHI350/91/100	2x45 or 89-90	350.0	91	350	64	200	103	75	2.5	2	3	-
SFHI360/91/100	2x45 or 89-90	360.0	91	360	64	200	103	75	2.5	2	3	-
SFHI400/91/100	2x45 or 89-90	400.0	91	400	64	200	103	75	2.5	2	3	-
SFHI195/96/100	2x47	195.0	96	195	64	200	103	75	2.5	2	3	1.39
SFHI220/96/100	2x47	220.0	96	220	64	200	103	75	2.5	2	3	-
SFHI225/96/100	2x47	225.0	96	225	64	200	103	75	2.5	2	3	1.465
SFHI235/96/100	2x47	235.0	96	235	64	200	103	75	2.5	2	3	-
SFHI240/96/100	2x47	240.0	96	240	64	200	103	75	2.5	2	3	1.503
SFHI245/96/100	2x47	245.0	96	245	64	200	103	75	2.5	2	3	-
SFHI300/96/100	2x47	300.0	96	300	64	200	103	75	2.5	2	3	1.655
SFHI195/99/100	96-97	195.0	99	195	64	200	103	75	2.5	2	3	-
SFHI200/99/100	96-97	200.0	99	200	64	200	103	75	2.5	2	3	-
SFHI220/99/100	96-97	220.0	99	220	64	200	103	75	2.5	2	3	-
SFHI225/99/100	96-97	225.0	99	225	64	200	103	75	2.5	2	3	-
SFHI235/99/100	96-97	235.0	99	235	64	200	103	75	2.5	2	3	-
SFHI240/99/100	96-97	240.0	99	240	64	200	103	75	2.5	2	3	-
SFHI245/99/100	96-97	245.0	99	245	64	200	103	75	2.5	2	3	-

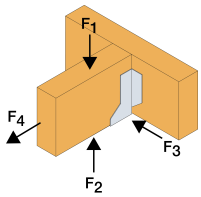
Technical Sheet

SFHI

Safety Fast Masonry Restraint Hanger For I-Joist

Reference	Connector Dimensions											
	Timber size[mm]		Product Dimensions[mm]							Joist holes		Other
	Width[mm]	Height[mm]	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	t[mm]	Obround Ø6x4[mm]	Round Ø4.2[mm]	Weight[kg]
SFHI253/99/100	96-97	253.0	99	253	64	200	103	75	2.5	2	3	-
SFHI300/99/100	96-97	300.0	99	300	64	200	103	75	2.5	2	3	-
SFHI304/99/100	96-97	304.0	99	304	64	200	103	75	2.5	2	3	-
SFHI350/99/100	96-97	350.0	99	350	64	200	103	75	2.5	2	3	-
SFHI400/99/100	96-97	400.0	99	400	64	200	103	75	2.5	2	3	-
SFHI417/99/100	96-97	417.0	99	417	64	200	103	75	2.5	2	3	-
SFHI421/99/100	96-97	421.0	99	421	64	200	103	75	2.5	2	3	-





Product characteristic capacities

Reference	Hanger capacity						
	Number of Fasteners				Characteristic Capacities[kN]		
	Joist				$R_{1,k}$		
	Hanger		Mini Strap		2.8 N/mm2; Solid AAC	3.5 N/mm2 Solid LAC	7 N/mm2 Solid DAC
	Qty	Type	Qty	Type			
SFHI (A ≤ 63mm)	2.0	N3.75 x 30	3.0	N3.75 x 30	-	13.3	13.3
SFHI (A > 63mm)	2.0	N3.75 x 30	3.0	N3.75 x 30	-	24.9	24.9

Installation

Installation

- Use all specified nails.
- Build masonry to required level, ensuring any coursing bricks or blocks are at least one course below the supporting block, and leave to cure.
- Place the Safety Fast Restraint Hanger over the inner leaf of block work, ensuring the bearing plate is fully located onto the top of the masonry, sitting tight against the front face and top of the block work.
- Sit the floor joist into the masonry hanger and ensure all joists are correctly installed. The joist should be tight into the back of the hanger where possible. The maximum gap between the back of the hanger and the end of the joist is 6mm.
- Clip the Safety Fast Mini Strap onto the restraining hooks on either side of the hanger and nail to the side face of the joist with 3.75 x 30mm square twist nails. INSTALL ONLY ONE STRAP PER HANGER.

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