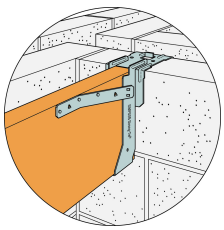
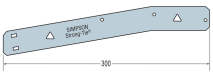
Technical Sheet

SFH
Safety Fast Masonry Restraint Hanger

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







Features

Materials

- SFH - Pre-galvanised mild steel
- Mini Strap - Pre-galvanised mild steel

Benefits

Requires no masonry above the top flange to achieve the published performance values.

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

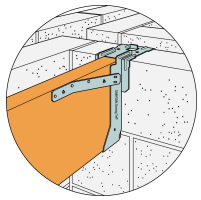
Technical Sheet

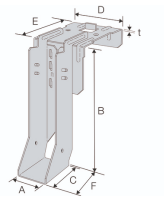
SFH
Safety Fast Masonry Restraint Hanger

Technical Data

Technical Sheet

SFH
Safety Fast Masonry Restraint Hanger



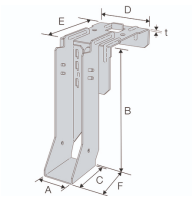


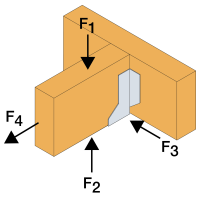
Product Dimensions

Reference	Connector Dimensions											
	Timber size[mm]		Product Dimensions[mm]							Joist holes		Other
	Width[mm]	Height	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	t[mm]	Round Ø4.2[mm]	Obround Ø6x4[mm]	Weight[kg]
SFH150/40/100	40	150.0	40	140	64	100	100	75	2.5	3	2	0.901
SFH175/40/100	40	175.0	40	165	64	100	100	75	2.5	3	2	-
SFH200/40/100	40	200.0	40	190	64	100	100	75	2.5	3	2	-
SFH250/40/100	40	240.0	40	240	64	100	100	75	2.5	3	2	-
SFH300/40/100	40	290.0	40	290	64	100	100	75	2.5	3	2	-
SFH150/47/100	45	150.0	47	140	64	100	100	75	2.5	3	2	-
SFH175/47/100	45	175.0	47	165	64	100	100	75	2.5	3	2	-
SFH200/47/100	45	200.0	47	190	64	100	100	75	2.5	3	2	-
SFH225/47/100	45	225.0	47	215	64	100	100	75	2.5	3	2	-
SFH250/47/100	45	250.0	47	240	64	100	100	75	2.5	3	2	-
SFH300/47/100	45	300.0	47	290	64	100	100	75	2.5	3	2	-
SFH150/50/100	47	150.0	50	140	64	100	100	75	2.5	3	2	0.913
SFH175/50/100	47	175.0	50	165	64	100	100	75	2.5	3	2	0.976
SFH200/50/100	47	200.0	50	190	64	100	100	75	2.5	3	2	1.039
SFH225/50/100	47	225.0	50	215	64	100	100	75	2.5	3	2	1.102
SFH250/50/100	47	250.0	50	240	64	100	100	75	2.5	3	2	1.166
SFH300/50/100	47	300.0	50	290	64	100	100	75	2.5	3	2	-
SFH150/75/100	72	150.0	75	140	64	200	100	75	2.5	3	2	-
SFH175/75/100	72	175.0	75	165	64	200	100	75	2.5	3	2	1.288
SFH200/75/100	72	200.0	75	190	64	200	100	75	2.5	3	2	1.351
SFH225/75/100	72	225.0	75	215	64	200	100	75	2.5	3	2	1.414
SFH250/75/100	72	250.0	75	240	64	200	100	75	2.5	3	2	-
SFH300/75/100	72	300.0	75	290	64	200	100	75	2.5	3	2	-
SFH150/91/100	89-90	150.0	91	140	64	200	100	75	2.5	3	2	-
SFH175/91/100	89-90	175.0	91	165	64	200	100	75	2.5	3	2	-
SFH200/91/100	89-90	200.0	91	190	64	200	100	75	2.5	3	2	-
SFH225/91/100	89-90	225.0	91	215	64	200	100	75	2.5	3	2	-
SFH250/91/100	89-90	250.0	91	240	64	200	100	75	2.5	3	2	-
SFH300/91/100	89-90	300.0	91	290	64	200	100	75	2.5	3	2	-
SFH150/96/100	2x47	150.0	96	140	64	200	100	75	2.5	3	2	-
SFH175/96/100	2x47	175.0	96	165	64	200	100	75	2.5	3	2	-
SFH200/96/100	2x47	200.0	96	190	64	200	100	75	2.5	3	2	-
SFH225/96/100	2x47	225.0	96	215	64	200	100	75	2.5	3	2	-
SFH250/96/100	2x47	250.0	96	240	64	200	100	75	2.5	3	2	-
SFH300/96/100	2x47	300.0	96	290	64	200	100	75	2.5	3	2	-
SFH150/99/100	2x47	150.0	96	140	64	200	100	75	2.5	3	2	-
SFH175/99/100	2x47	175.0	96	165	64	200	100	75	2.5	3	2	-
SFH200/99/100	2x47	200.0	96	190	64	200	100	75	2.5	3	2	-
SFH225/99/100	2x47	225.0	96	215	64	200	100	75	2.5	3	2	-
SFH250/99/100	2x47	250.0	96	240	64	200	100	75	2.5	3	2	-
SFH300/99/100	2x47	300.0	96	290	64	200	100	75	2.5	3	2	-

Technical Sheet

SFH
Safety Fast Masonry Restraint Hanger





Product characteristic capacities

Reference	Hanger capacity						
	Product capacities - Timber to masonry						
	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			
SFH (A ≤ 56mm)	2.0	N3.75 x 30	3.0	N3.75 x 30	-	13.3	13.3
SFH (A > 57mm)	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.

General Installation Notes

- The floor decking may be stored on the joists provided the load is uniformly distributed between the several joists and does not exceed the hanger or joist capacities. Refer to joist manufacturer or supplier for joist capacity and maximum construction loads.
- The floor decking must be securely attached to each joist before additional loads can be placed on the system.
- Floor decking and block work is to be cut where necessary to fit around the upstand stiffeners.
- Pallets of blocks or other construction materials should be placed onto the scaffolding and NOT directly onto the floor.
- The materials can then be evenly distributed around the floor manually, ensuring hanger or joist capacities are not exceeded.

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