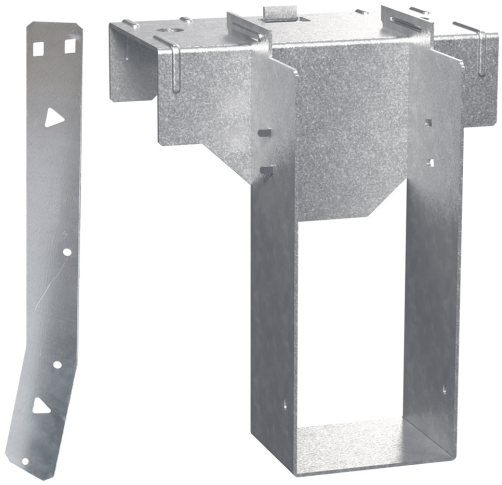
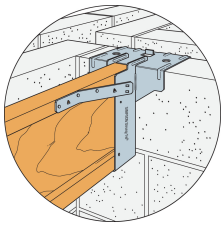
Technical Sheet

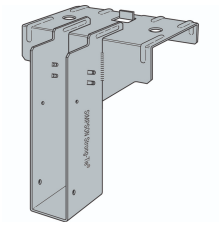
SFWHI

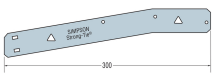
Safety Fast (Welded) Masonry Restraint Hanger for I-Joists

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

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.

Material

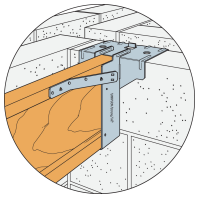
- SFWH/SFWHI: Hot-dip galvanised mild steel
- Mini Strap: Pre-galvanised mild steel

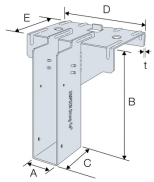
Technical Sheet

SFWHI

Safety Fast (Welded) Masonry Restraint Hanger for I-Joists

Technical Data





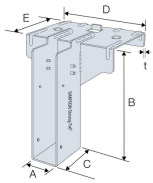
Product Dimensions

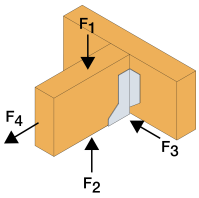
Reference	Connector Dimensions											
	Timber size[mm]		Product Dimensions[mm]						Joist holes			Other
	Width[mm]	Height	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	t[mm]	Obround Ø6x4[mm]	Round Ø4.1[mm]	Round Ø4.2[mm]	Weight[kg]
SFWHI300/66/100	63	300	66	300	75	200	100	2.5	2	2	3	1.592
SFWHI225/78/100	2x38	225	78	225	75	200	100	2.5	2	2	3	1.43
SFWHI300/78/100	2x38	300	78	300	75	200	100	2.5	2	2	3	1.606
SFWHI300/91/100	2x45 or 89-90	300	91	300	75	200	100	2.5	2	2	3	1.622
SFWHI300/96/100	2x47	300	96	300	75	200	100	2.5	2	2	3	1.628
SFWHI225/125/100	122	225	125	225	75	200	100	2.5	2	2	3	1.485
SFWHI225/128/100	2x63	225	128	225	75	200	100	2.5	2	2	3	1.489
SFWHI240/142/100	2x70	240	142	240	75	225	100	2.5	2	2	3	1.639
SFWHI300/142/100	2x70	300	142	300	75	225	100	2.5	2	2	3	2.5
SFWHI225/146/100	2x72	225	146	225	75	225	100	2.5	2	2	3	1.609
SFWHI245/146/100	2x72	245	146	245	75	225	100	2.5	2	2	3	1.656
SFWHI300/146/100	2x72	300	146	300	75	225	100	2.5	2	2	3	1.785
SFWHI195/150/100	2x75 or 147	195	150	195	75	225	100	2.5	2	2	3	1.543
SFWHI200/150/100	2x75 or 147	200	150	200	75	225	100	2.5	2	2	3	1.555
SFWHI225/150/100	2x75 or 147	225	150	225	75	225	100	2.5	2	2	3	1.613
SFWHI240/150/100	2x75 or 147	240	150	240	75	225	100	2.5	2	2	3	1.649
SFWHI254/150/100	2x75 or 147	254	150	254	75	225	100	2.5	2	2	3	1.679
SFWHI300/150/100	2x75 or 147	300	150	300	75	225	100	2.5	2	2	3	1.79
SFWHI300/152/100	2x75	300	152	300	75	225	100	2.5	2	2	3	2.6
SFWHI225/180/100	2x89 or 178	225	180	225	75	225	100	2.5	2	2	3	2.4
SFWHI300/180/100	2x89 or 178	300	180	300	75	225	100	2.5	2	2	3	2.6
SFWHI225/184/100	2x90	220	184	220	75	275	100	2.5	2	2	3	2.4
SFWHI195/196/100	2x97	195	196	195	75	275	100	2.5	2	2	3	2.3
SFWHI240/196/100	2x97	240	196	240	75	275	100	2.5	2	2	3	1.9
SFWHI245/196/100	2x97	245	196	245	75	275	100	2.5	2	2	3	1.912
SFWHI300/196/100	2x97	300	196	300	75	275	100	2.5	2	2	3	2.041
SFWHI400/196/100	2x97	400	196	400	75	275	100	2.5	2	2	3	2.227

Technical Sheet

SFWHI

Safety Fast (Welded) Masonry Restraint Hanger for I-Joists





Product Capacities - Timber to Masonry

Reference	Hanger capacity					
	Product capacities - Timber to masonry				Characteristic Capacities[kN]	
	Number of Fasteners				$R_{1,k}$	
	Joist				3.5 N/mm2 Solid LAC	7 N/mm2 Solid DAC
	Qty	Type	Mini Strap			
			Qty	Type		

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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