

The SFHI Safety Fast Hangers are an innovative range of products that have been designed to support timber joists, beams and trussed rafters from masonry walls without the need of supporting masonry above the top flange.

- 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.
- Mini Strap provides lateral restraint capacity in accordance with NHBC guidelines.
- Allows for retrofit of lateral restraint straps.
- Web stiffeners are not required with I-joist to achieve the performance values.

MATERIAL:

SFHI: 2.5mm pre-galvanised mild steel.
 SFWHI: 2.5mm mild steel
 Mini Strap - 1.0mm pre-galvanised mild steel.

FINISH: SFWHI: Hot-dip galvanised.

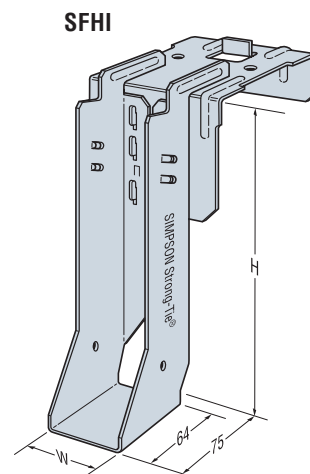
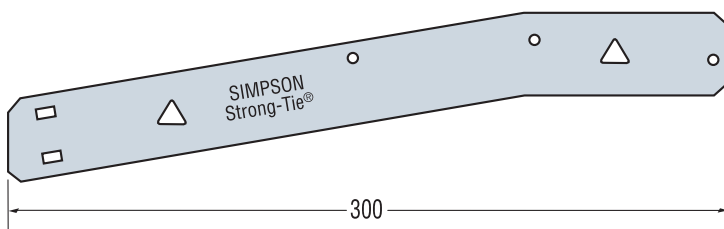
INSTALLATION:

- 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 blockwork, ensuring the bearing plate is fully located onto the top of the masonry, sitting tight against the front face and top of the blockwork.
- Sit the floor joists into the masonry hanger and ensure all joists are correctly installed. The joists 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 the side of the hanger and nail to the side face of the joist with three No. 3.75x30mm square twist nails.
INSTALL ONLY ONE PER HANGER - EITHER SIDE OF THE HANGER.

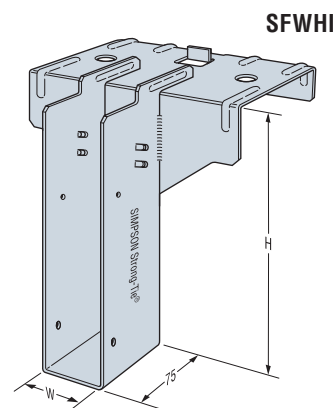
GENERAL INSTALLATION NOTES

- 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 blockwork 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.

Mini Strap (included with the Safety Fast Hanger)

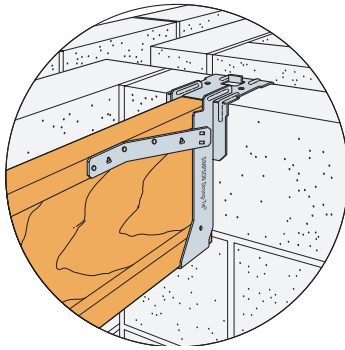


PATENT NOS.
 GB2316103, GB2354267
 GB2390380
 PATENT EP1200684

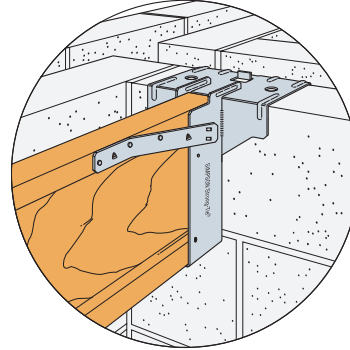


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TYPICAL SFHI INSTALLATION



TYPICAL SFWHI INSTALLATION



SFHI/SFWHI HANGER LOADS

Model No.	Joist Width	Joist Fasteners				Safe Working Loads (kN)			Characteristic Capacity (kN)	
						Block Strength			Block Strength	
		Hanger		MiniStrap		2.8N/mm ² Solid AAC	3.5N/mm ² Solid LAC	7N/mm ² Solid DAC	3.5N/mm ² Solid LAC	7N/mm ² Solid DAC
		Qty	Nail	Qty	Nail					
SFHI	< 61mm	2	3.75 x 30	3	3.75 x 30	5.1	6.2	6.2	13.34	13.34
	>66mm					6.7	8.0	8.0	17.47	17.47
SFWHI	<61mm	2	3.75 x 30	3	3.75 x 30	6.8	8.3	8.3	17.94	17.94
	>66mm					7.8	9.5	9.5	15.39	15.39

1. Tests conducted by CERAM Building Technology in accordance with EN846-4 and evaluated in accordance with EN845-1.
2. Hanger loads are achieved without masonry above the top flange.
3. The block thickness must be the same as the top plate width.
4. The lateral capacity exceeds that provided by traditional straps placed at 2m centres.
5. 3.75 x 30 refers to square twist nail (not supplied with hanger).

SFHI/SFWHI Safety Fast Masonry Restraint Hangers

Masonry Hangers - I-Joist

SFHI HANGERS

Joist Size		Model No.	Hanger Dimension (mm)	
Width	Height		Width (W)	Height (H)
38	195	SFHI195/40/100	40	195
	200	SFHI200/40/100	40	200
	220	SFHI225/40/100	40	225
	235	SFHI235/40/100	40	235
	240	SFHI240/40/100	40	240
	300	SFHI300/40/100	40	300
45	195	SFHI195/47/100	47	195
	200	SFHI200/47/100	47	200
	220	SFHI225/47/100	47	225
	235	SFHI235/47/100	47	235
	240	SFHI240/47/100	47	240
	245	SFHI245/47/100	47	245
300	SFHI300/47/100	47	300	
47	195	SFHI195/50/100	50	195
	225	SFHI225/50/100	50	225
	235	SFHI235/50/100	50	235
	240	SFHI240/50/100	50	235
	245	SFHI245/50/100	50	245
51	300	SFHI300/50/100	50	300
	240	SFHI240/53/100	53	240
	300	SFHI300/53/100	53	300
58 or 60	195	SFHI195/61/100	61	195
	200	SFHI200/61/100	61	200
	220	SFHI225/61/100	61	225
	235	SFHI235/61/100	61	235
	240	SFHI240/61/100	61	240
	245	SFHI245/61/100	61	245
63	300	SFHI300/61/100	61	300
	195	SFHI195/66/100	66	195
	225	SFHI225/66/100	66	225
	235	SFHI235/66/100	66	235
	240	SFHI240/66/100	66	240
70	245	SFHI245/66/100	66	245
	300	SFHI300/66/100	66	300
	220	SFHI225/72/100	72	225
	240	SFHI240/72/100	72	240
72	300	SFHI300/72/100	72	300
	195	SFHI195/75/100	75	195
	220	SFHI225/75/100	75	220
	235	SFHI235/75/100	75	235
2ply 38	245	SFHI245/75/100	75	245
	300	SFHI300/75/100	75	300
	195	SFHI195/78/100	78	195
	200	SFHI200/78/100	78	200
	220	SFHI225/78/100	78	225
	235	SFHI235/78/100	78	235
2ply 45 or 89	240	SFHI240/78/100	78	240
	300	SFHI300/78/100	78	300
	195	SFHI195/91/100	91	195
	200	SFHI200/91/100	91	200
	220	SFHI225/91/100	91	225
	235	SFHI235/91/100	91	235
2ply 47	240	SFHI240/91/100	91	240
	245	SFHI245/91/100	91	245
	300	SFHI300/91/100	91	300
	195	SFHI195/96/100	96	195
	220	SFHI225/96/100	96	220
	235	SFHI235/96/100	96	235
97	240	SFHI240/96/100	96	240
	245	SFHI245/96/100	96	245
	300	SFHI300/96/100	96	300
	195	SFHI195/100/100	100	195
	220	SFHI225/100/100	100	225
	235	SFHI235/100/100	100	235
2ply 51	245	SFHI245/100/100	100	245
	300	SFHI300/100/100	100	300
	195	SFHI195/105/100	105	195
	220	SFHI225/105/100	105	220
	235	SFHI235/105/100	105	235
	300	SFHI300/105/100	105	300
2ply 58 or 60	350	SFHI350/105/100	105	350
	195	SFHI195/120/100	120	195
	200	SFHI200/120/100	120	200
	220	SFHI225/120/100	120	225
	235	SFHI235/120/100	120	235
	240	SFHI240/120/100	120	240
2ply 63	245	SFHI245/120/100	120	245
	300	SFHI300/120/100	120	300
	350	SFHI350/120/100	120	350
	400	SFHI400/120/100	120	400
	195	SFHI195/129/100	129	195
	220-225	SFHI225/129/100	129	225
97	235	SFHI235/129/100	129	235
	240	SFHI240/129/100	129	240
	245	SFHI245/129/100	129	245
	300	SFHI300/129/100	129	300
	350	SFHI350/129/100	129	350
400	SFHI400/129/100	129	400	

SFHWI HANGERS

400Joist Size		Model No.	Hanger Dimension (mm)	
Width	Height		Width (W)	Height (H)
70	220	SFHWI225/72/100	72	225
	240	SFHWI240/72/100	72	240
	300	SFHWI300/72/100	72	300
	350	SFHWI350/72/100	72	350
	400	SFHWI400/72/100	72	400
2ply 38	195	SFHWI195/78/100	78	195
	220	SFHWI225/78/100	78	225
	235	SFHWI235/78/100	78	235
	240	SFHWI240/78/100	78	240
	245	SFHWI245/78/100	78	245
	300	SFHWI300/78/100	78	300
	350	SFHWI350/78/100	78	350
2ply 45 or 90	400	SFHWI400/78/100	78	400
	450	SFHWI450/78/100	78	450
	195	SFHWI195/91/100	91	195
	200	SFHWI200/91/100	91	200
	220	SFHWI225/91/100	91	225
	235	SFHWI235/91/100	91	235
	240	SFHWI240/91/100	91	240
2ply 47	245	SFHWI245/91/100	91	245
	300	SFHWI300/91/100	91	300
	350	SFHWI350/91/100	91	350
	400	SFHWI400/91/100	91	400
	450	SFHWI450/91/100	91	450
97	195	SFHWI195/96/100	96	195
	220	SFHWI225/96/100	96	220
	235	SFHWI235/96/100	96	235
	240	SFHWI240/96/100	96	240
	245	SFHWI245/96/100	96	245
	300	SFHWI300/96/100	96	300
2ply 51	350	SFHWI350/96/100	96	350
	400	SFHWI400/96/100	96	400
	195	SFHWI195/100/100	100	195
	220	SFHWI225/100/100	100	225
	235	SFHWI235/100/100	100	235
	245	SFHWI245/100/100	100	245
2ply 58 or 60	300	SFHWI300/100/100	100	300
	350	SFHWI350/100/100	100	350
	400	SFHWI400/100/100	100	400
	450	SFHWI450/100/100	100	450
	195	SFHWI195/105/100	105	195
	220	SFHWI225/105/100	105	220
2ply 63	235	SFHWI235/105/100	105	235
	240	SFHWI240/105/100	105	240
	245	SFHWI245/105/100	105	245
	300	SFHWI300/105/100	105	300
	350	SFHWI350/105/100	105	350
	400	SFHWI400/105/100	105	400

SFHWI HANGERS

Joist Size		Model No.	Hanger Dimension (mm)	
Width	Height		Width (W)	Height (H)
3ply 45 or 135	184	SFHWI184/135/100	135	184
	200	SFHWI200/135/100	135	200
	220	SFHWI225/135/100	135	225
	240	SFHWI240/135/100	135	240
	245	SFHWI245/135/100	135	245
	300	SFHWI300/135/100	135	300
	350	SFHWI350/135/100	135	350
	400	SFHWI400/135/100	135	400
2ply 70	450	SFHWI450/135/100	135	450
	220	SFHWI225/142/100	142	225
	240	SFHWI240/142/100	142	240
	300	SFHWI300/142/100	142	300
2ply 72	350	SFHWI350/142/100	142	350
	400	SFHWI400/142/100	142	400
	195	SFHWI195/146/100	146	195
	220	SFHWI225/146/100	146	225
	235	SFHWI235/146/100	146	235
	245	SFHWI245/146/100	146	245
2ply 75	300	SFHWI300/146/100	146	300
	350	SFHWI350/146/100	146	350
	400	SFHWI400/146/100	146	400
	195	SFHWI195/152/100	152	195
	220	SFHWI225/152/100	152	225
	235	SFHWI235/152/100	152	235
2ply 89 or 178	240	SFHWI240/152/100	152	240
	300	SFHWI300/152/100	152	300
	350	SFHWI350/152/100	152	350
	400	SFHWI400/152/100	152	400
	450	SFHWI450/152/100	152	450
	2ply 90	195	SFHWI195/180/100	180
200		SFHWI200/180/100	180	200
220		SFHWI225/180/100	180	225
235		SFHWI235/180/100	180	235
245		SFHWI245/180/100	180	245
300		SFHWI300/180/100	180	300
2ply 97	350	SFHWI350/180/100	180	350
	400	SFHWI400/180/100	180	400
	450	SFHWI450/180/100	180	450
	220	SFHWI225/184/100	184	225
	240	SFHWI240/184/100	184	240
	300	SFHWI300/184/100	184	300
2ply 97	350	SFHWI350/184/100	184	350
	400	SFHWI400/184/100	184	400
	195	SFHWI195/196/100	196	195
	220	SFHWI225/196/100	196	225
	235	SFHWI235/196/100	196	235
	245	SFHWI245/196/100	196	245
2ply 97	300	SFHWI300/196/100	196	300
	350	SFHWI350/196/100	196	350
	400	SFHWI400/196/100	196	400
	450	SFHWI450/196/100	196	450

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