

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



[UK-DoP-h07/0004](#)

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.

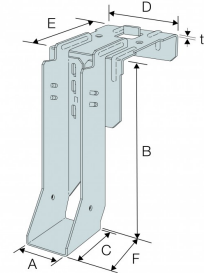
APPLICATIONS

Suitable For

I-Joist to masonry connections.

TECHNICAL DATA

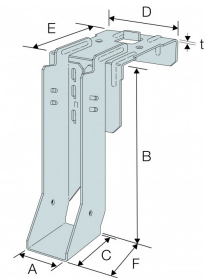
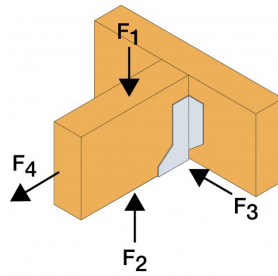
Product Dimensions



References	Joist Size [mm]		Product Dimensions [mm]							Joist holes	
	Width	Height [mm]	A	B	C	D	E	F	t	Hanger holes div>Ø6x48 div>[mm]	Strap div>Ø4.2
SFHI195/40/100	38	195	40	195	64	100	103	75	2.5	2	3
SFHI200/40/100	38	200	40	200	64	100	103	75	2.5	2	3
SFHI220/40/100	38	220	40	220	64	100	103	75	2.5	2	3
SFHI225/40/100	38	225	40	225	64	100	103	75	2.5	2	3
SFHI235/40/100	38	235	40	235	64	100	103	75	2.5	2	3
SFHI240/40/100	38	240	40	240	64	100	103	75	2.5	2	3
SFHI245/40/100	38	245	40	245	64	100	103	75	2.5	2	3
SFHI300/40/100	38	300	40	300	64	100	103	75	2.5	2	3
SFHI356/40/100	38	356	40	356	64	100	103	75	2.5	2	3
SFHI360/40/100	38	360	40	360	64	100	103	75	2.5	2	3
SFHI400/40/100	38	400	40	400	64	100	103	75	2.5	2	3
SFHI195/47/100	45	195	47	195	64	100	103	75	2.5	2	3
SFHI200/47/100	45	200	47	200	64	100	103	75	2.5	2	3
SFHI220/47/100	45	220	47	220	64	100	103	75	2.5	2	3
SFHI225/47/100	45	225	47	225	64	100	103	75	2.5	2	3
SFHI235/47/100	45	235	47	235	64	100	103	75	2.5	2	3
SFHI240/47/100	45	240	47	240	64	100	103	75	2.5	2	3
SFHI245/47/100	45	245	47	245	64	100	103	75	2.5	2	3
SFHI300/47/100	45	300	47	300	64	100	103	75	2.5	2	3
SFHI350/47/100	45	350	47	350	64	100	103	75	2.5	2	3
SFHI356/47/100	45	356	47	356	64	100	103	75	2.5	2	3
SFHI360/47/100	45	360	47	360	64	100	103	75	2.5	2	3
SFHI400/47/100	45	400	47	400	64	100	103	75	2.5	2	3
SFHI195/50/100	47	195	50	195	64	100	103	75	2.5	2	3
SFHI220/50/100	47	220	50	220	64	100	103	75	2.5	2	3
SFHI225/50/100	47	225	50	225	64	100	103	75	2.5	2	3
SFHI235/50/100	47	235	50	235	64	100	103	75	2.5	2	3
SFHI240/50/100	47	235	50	235	64	100	103	75	2.5	2	3
SFHI245/50/100	47	245	50	245	64	100	103	75	2.5	2	3
SFHI300/50/100	47	300	50	300	64	100	103	75	2.5	2	3
SFHI200/56/100	53	200	56	200	64	100	103	75	2.5	2	3
SFHI220/56/100	53	220	56	220	64	100	103	75	2.5	2	3
SFHI240/56/100	53	240	56	240	64	100	103	75	2.5	2	3
SFHI300/56/100	53	300	56	300	64	100	103	75	2.5	2	3
SFHI360/56/100	53	360	56	360	64	100	103	75	2.5	2	3

References	Joist Size [mm]		Product Dimensions [mm]							Joist holes	
	Width	Height [mm]	A	B	C	D	E	F	t	Hand holes / div> / div> / div> [mm]	Mini Strap / div> / div> Ø4.2
SFHI225/91/100	2x45 or 89-90	225	91	225	64	200	103	75	2.5	2	3
SFHI235/91/100	2x45 or 89-90	235	91	235	64	200	103	75	2.5	2	3
SFHI240/91/100	2x45 or 89-90	240	91	240	64	200	103	75	2.5	2	3
SFHI245/91/100	2x45 or 89-90	245	91	245	64	200	103	75	2.5	2	3
SFHI300/91/100	2x45 or 89-90	300	91	300	64	200	103	75	2.5	2	3
SFHI350/91/100	2x45 or 89-90	350	91	350	64	200	103	75	2.5	2	3
SFHI356/91/100	2x45 or 89-90	356	91	356	64	200	103	75	2.5	2	3
SFHI360/91/100	2x45 or 89-90	360	91	360	64	200	103	75	2.5	2	3
SFHI400/91/100	2x45 or 89-90	400	91	400	64	200	103	75	2.5	2	3
SFHI406/91/100	2x45 or 89-90	406	91	406	64	200	103	75	2.5	2	3
SFHI450/91/100	2x45 or 89-90	450	91	450	64	200	103	75	2.5	2	3
SFHI457/91/100	2x45 or 89-90	457	91	457	64	200	103	75	2.5	2	3
SFHI195/96/100	2x47	195	96	195	64	200	103	75	2.5	2	3
SFHI220/96/100	2x47	220	96	220	64	200	103	75	2.5	2	3
SFHI225/96/100	2x47	225	96	225	64	200	103	75	2.5	2	3
SFHI235/96/100	2x47	235	96	235	64	200	103	75	2.5	2	3
SFHI240/96/100	2x47	240	96	240	64	200	103	75	2.5	2	3
SFHI245/96/100	2x47	245	96	245	64	200	103	75	2.5	2	3
SFHI300/96/100	2x47	300	96	300	64	200	103	75	2.5	2	3
SFHI195/99/100	96-97	195	99	195	64	200	103	75	2.5	2	3
SFHI200/99/100	96-97	200	99	200	64	200	103	75	2.5	2	3
SFHI220/99/100	96-97	220	99	220	64	200	103	75	2.5	2	3
SFHI225/99/100	96-97	225	99	225	64	200	103	75	2.5	2	3
SFHI235/99/100	96-97	235	99	235	64	200	103	75	2.5	2	3
SFHI240/99/100	96-97	240	99	240	64	200	103	75	2.5	2	3
SFHI245/99/100	96-97	245	99	245	64	200	103	75	2.5	2	3
SFHI253/99/100	96-97	253	99	253	64	200	103	75	2.5	2	3
SFHI300/99/100	96-97	300	99	300	64	200	103	75	2.5	2	3
SFHI304/99/100	96-97	304	99	304	64	200	103	75	2.5	2	3
SFHI350/99/100	96-97	350	99	350	64	200	103	75	2.5	2	3
SFHI356/99/100	96-97	356	99	356	64	200	103	75	2.5	2	3
SFHI360/99/100	96-97	360	99	360	64	200	103	75	2.5	2	3
SFHI373/99/100	96-97	373	99	373	64	200	103	75	2.5	2	3
SFHI400/99/100	96-97	400	99	400	64	200	103	75	2.5	2	3
SFHI417/99/100	96-97	417	99	417	64	200	103	75	2.5	2	3
SFHI421/99/100	96-97	421	99	421	64	200	103	75	2.5	2	3
SFHI424/99/100	96-97	424	99	424	64	200	103	75	2.5	2	3
SFHI450/99/100	96-97	450	99	450	64	200	103	75	2.5	2	3

Product characteristic capacities



References	Number of Fasteners				Characteristic Capacities [kN]			Safe Working Loads [kN]		
	Joist				$R_{1,k}$			$R_{1,SWL}$		
	Hanger		Mini Strap		2.8 N/mm ² ; Solid AAC	3.5 N/mm ² Solid LAC	7 N/mm ² Solid DAC	2.8N/mm ² Solid AAC	3.5N/mm ² Solid LAC	7N/mm ² Solid DAC
	Qty	Type	Qty	Type						
SFHI (A ≤ 56mm)	2	N3.75 x 30	3	N3.75 x 30	-	13.3	13.3	5.3	6.7	6.7
SFHI (A > 57mm)	2	N3.75 x 30	3	N3.75 x 30	-	24.9	24.9	10	12.5	12.5

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.**