



The SFLH is an innovative single piece hanger designed to support timber joists from masonry walls without the need for masonry above the course of block work supporting the hanger.

[UK-DoP-h10/0006](#)

## FEATURES

### Benefits

The SFLH has been designed to assist in meeting the air leakage requirements as part of the Code for Sustainable Homes.

Since the joist is supported by a hanger and does not penetrate the inner leaf of blockwork, the potential for air leakage is reduced and avoids the time consuming and costly mortaring and sealing with mastic around built in joist ends.

This hanger allows construction work to continue safely just 3 days after the supporting blockwork has been laid - as opposed to 28 days in the case of traditional masonry hangers.

- Avoids joist penetrating block work, minimising air leakage.
- Achieves published performance values with no masonry above the supporting course of block work.
- 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 courses above them.
- Eliminates the need for propping to support the floor joists.
- Web stiffeners are not required with joists to achieve published performance values.
- Use FMS strap range with every hanger spaced up to 600mm centres to provide lateral restraint of the floor joist in accordance with EN845-1.
- If using HES restraint straps, place at 2 metre centres.
- CE Approved: meets the requirements of EN845-1 and tested in accordance with EN 846-8.

**Material**

Pre-galvanised mild steel.

**APPLICATIONS**



**Suitable For**

- Solid sawn timber joists.

TECHNICAL DATA

Safe Working Loads

References	Hanger Dimensions [mm]		Joist Dimensions [mm]		Joist Fasteners		Safe Working Loads [kN]		
	A	B	Width	Height	Qty	Specification	Block Strength [N/mm <sup>2</sup> ]		
							2.8 AAC	3.5 AAC	7.0 DAC
SFLH100/38	38	100	35	100	2	3.75 x 30mm	3.9	4.5	4.5
SFLH125/38	38	125	35	125	2	3.75 x 30mm	3.9	4.5	4.5
SFLH150/38	38	140	35	150	2	3.75 x 30mm	3.9	4.5	4.5
SFLH175/38	38	165	35	175	2	3.75 x 30mm	3.9	4.5	4.5
SFLH200/38	38	190	35	200	2	3.75 x 30mm	3.9	4.5	4.5
SFLH225/38	38	215	35	225	2	3.75 x 30mm	3.9	4.5	4.5
SFLH250/38	38	240	35	250	2	3.75 x 30mm	3.9	4.5	4.5
SFLH300/38	38	290	35	300	2	3.75 x 30mm	3.9	4.5	4.5
SFLH100/47	47	100	45	100	2	3.75 x 30mm	3.9	4.5	4.5
SFLH125/47	47	125	45	125	2	3.75 x 30mm	3.9	4.5	4.5
SFLH150/47	47	140	45	150	2	3.75 x 30mm	3.9	4.5	4.5
SFLH175/47	47	165	45	175	2	3.75 x 30mm	3.9	4.5	4.5
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SFLH300/47	47	290	45	300	2	3.75 x 30mm	3.9	4.5	4.5
SFLH100/50	50	100	50	100	2	3.75 x 30mm	3.9	4.5	4.5
SFLH125/50	50	125	50	125	2	3.75 x 30mm	3.9	4.5	4.5
SFLH150/50	50	140	50	150	2	3.75 x 30mm	3.9	4.5	4.5
SFLH175/50	50	165	50	175	2	3.75 x 30mm	3.9	4.5	4.5
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SFLH225/50	50	215	50	225	2	3.75 x 30mm	3.9	4.5	4.5
SFLH250/50	50	240	50	250	2	3.75 x 30mm	3.9	4.5	4.5
SFLH300/50	50	290	50	300	2	3.75 x 30mm	3.9	4.5	4.5
SFLH100/63	63	100	63	100	2	3.75 x 30mm	3.9	4.5	4.5
SFLH125/63	63	125	63	125	2	3.75 x 30mm	3.9	4.5	4.5
SFLH150/63	63	140	63	150	2	3.75 x 30mm	3.9	4.5	4.5
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SFLH300/63	63	290	63	300	2	3.75 x 30mm	3.9	4.5	4.5
SFLH100/75	75	100	75	100	2	3.75 x 30mm	3.9	4.5	4.5
SFLH125/75	75	125	75	125	2	3.75 x 30mm	3.9	4.5	4.5
SFLH150/75	75	140	75	150	2	3.75 x 30mm	3.9	4.5	4.5
SFLH175/75	75	165	75	175	2	3.75 x 30mm	3.9	4.5	4.5
SFLH200/75	75	190	75	200	2	3.75 x 30mm	3.9	4.5	4.5
SFLH225/75	75	215	75	225	2	3.75 x 30mm	3.9	4.5	4.5
SFLH250/75	75	240	75	250	2	3.75 x 30mm	3.9	4.5	4.5
SFLH300/75	75	290	75	300	2	3.75 x 30mm	3.9	4.5	4.5
SFLH100/91	91	100	2 Ply 45 or 91	100	2	3.75 x 30mm	3.9	4.5	4.5
SFLH125/91	91	125	2 Ply 45 or 91	125	2	3.75 x 30mm	3.9	4.5	4.5
SFLH150/91	91	140	2 Ply 45 or 91	150	2	3.75 x 30mm	3.9	4.5	4.5
SFLH175/91	91	165	2 Ply 45 or 91	175	2	3.75 x 30mm	3.9	4.5	4.5
SFLH200/91	91	190	2 Ply 45 or 91	200	2	3.75 x 30mm	3.9	4.5	4.5

References	Hanger Dimensions [mm]		Joist Dimensions [mm]		Joist Fasteners		Safe Working Loads [kN]		
	A	B	Width	Height	Qty	Specification	Block Strength [N/mm <sup>2</sup> ]		
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SFLH300/91	91	290	2 Ply 45 or 91	300	2	3,75 x 30mm	3.9	4.5	4.5
SFLH100/100	100	100	2 Ply 50 or 97 or 100	100	2	3,75 x 30mm	3.9	4.5	4.5
SFLH125/100	100	125	2 Ply 50 or 97 or 100	125	2	3,75 x 30mm	3.9	4.5	4.5
SFLH150/100	100	140	2 Ply 50 or 97 or 100	150	2	3,75 x 30mm	3.9	4.5	4.5
SFLH175/100	100	165	2 Ply 50 or 97 or 100	175	2	3,75 x 30mm	3.9	4.5	4.5
SFLH200/100	100	190	2 Ply 50 or 97 or 100	200	2	3,75 x 30mm	3.9	4.5	4.5
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**Characteristic Loads**

References	Hanger Dimensions [mm]		Joist Dimensions [mm]		Joist Fasteners		Characteristic Loads [kN]		
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SFLH100/38	38	100	35	100	2	3,75 x 30mm	6.8	7.9	7.9
SFLH125/38	38	125	35	125	2	3,75 x 30mm	6.8	7.9	7.9
SFLH150/38	38	140	35	150	2	3,75 x 30mm	6.8	7.9	7.9
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SFLH100/50	50	100	50	100	2	3,75 x 30mm	6.8	7.9	7.9
SFLH125/50	50	125	50	125	2	3,75 x 30mm	6.8	7.9	7.9
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## INSTALLATION

### Installation

- Build masonry to the required level, ensuring any coursing bricks or blocks are at least one course below the supporting block. Leave the masonry to cure for at least three days.
- Place the Safety Fast Lite Masonry Hanger for joists (SFLH) over the inner leaf of the block work, ensuring the top flanges are fully bearing onto the top of the supporting block work and are also tight against the front face of the block work.
- Install the floor joist into the SFLH. The end of the joist should be tight against the back of the hanger. Maximum gap allowed: 6mm. Install the specified joist nails.
- Install the appropriate restraint strap. Ensuring the strap is tight against the back face of the block work hanger return and the side of the floor joist. Fix with fasteners as specified in the table below.