Technical data sheet

RHMSK
Skewed Masonry Hanger

The RHMSK is designed to support solid timber joists, I-joists or metal web joists from masonry walls.

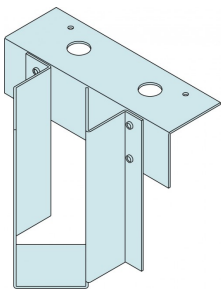
Features

Material

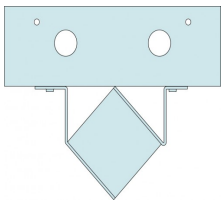
- Pre-galvanised mild steel

Benefits

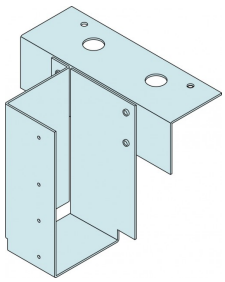
- Due to non-welded manufacture, lead times reduced
- Hanger design enables skew angles from 5°-90° left or right
- Full 90° skew option replaces the trimming detail around soil pipes



Typical RHMSK skew of 45° Right



Top view of RHMSK with 45° Skew



RHMSK with a 90° Right Skew

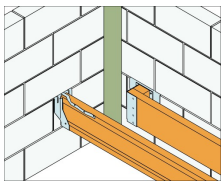


Illustration shows RHMSK being used to support a joist at 90° angle to the block wall.

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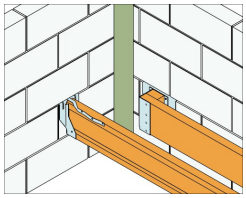
Skewed Masonry Hanger

Technical Data

Product Dimensions



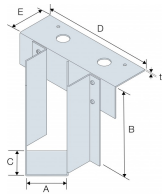
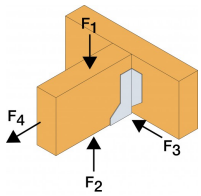


Illustration shows RHMSK being used to support a joist at 90° angle to the block wall.

References	Joist Size [mm]		Product Dimensions [mm]							Joist holes	Weight [kg]
	Width	Height	A	B	C	D	E	t	Skew	Ø4.1 [mm]	
RHMSK90RH	100	100-400	100	100-400	75	240	75	2.5	90	4	0.001
RHMSK90LH	100	100-400	100	100-400	75	240	75	2.5	90	4	0.001

Product Capacities – Timber to Masonry



References	Product capacities - Timber to masonry			
	Number of Fasteners		Characteristic Capacities [kN]	
	Joist		$R_{1,k}$	
	Qty	Type	3.5N/mm² Solid AAC	7N/mm² Solid DAC
RHMSK90RH	4	N3.75 x 30mm	6	6
RHMSK90LH	4	N3.75 x 30mm	6	6

1. Loads are based upon tests conducted by CERAM Building technology and are determined in accordance to EN845-1
2. The block thickness must be at least the same size as the top flange depth
3. Skew angle to be specified in accordance to the illustration.

Installation

Installation

Build the masonry to the required level and leave to cure.

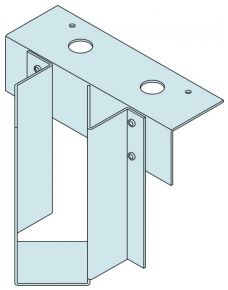
- Place hangers onto supporting block work, ensuring the hanger back flange is tight against the face of the block work.
- Continue with masonry above hanger ensuring a minimum of 675mm of masonry is above the hanger top flange and leave to cure.
- Mortar must be fully cured before any load is applied to the hanger.
- Install the joist into the hanger. The joist should be tight into the back of the hanger. A maximum gap of 6mm is permitted.
- Fix the joist to the hanger using all specified fasteners.
- If installing I-joists, web stiffeners are required. Web stiffeners should be installed in accordance with I-joist manufacturers recommendations.
- Where the 90° skewed variant is used to frame around soil vent pipes, a solid blocking piece is to be fitted between the joist and hanger back flange so the joist is positioned 50mm from the face of the masonry wall.
- The blocking piece must be fitted to the joist prior to installing into the hanger. The blocking piece must be the same depth as the joist, the width to suit the remaining gap, and be at least 100mm long.

Options

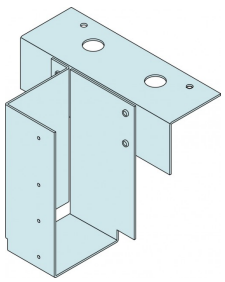
How to Order

1. Specify hanger finished height and width.
2. Specify skew angle and direction - Left or Right

Example:
For joist 200mm deep by 100mm wide with a right directional skew of 45° the code to order would be: RHMSK200/100 SKR45.



Typical RHMSK skew of 45° Right



RHMSK with a 90° Right Skew

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