

## Timber to Masonry Joist Hanger

Designed for building into brickwork or blockwork to support timber joists. As standard all hangers are manufactured from 2.0mm thick pre-galvanised steel to BS EN 10346 : 2009, compliant with BS EN 845-1 and to the requirements of BS 5268.

Type 'S'

Type 'R'

Type 'D'



### Product

#### SMH/S Type S Joist Hanger

The standard Single Piece Masonry Hanger is designed for building into brickwork or blockwork. Also available as Return Type 'R' and Straddle Type 'D' hangers.

Wide top flange design offers increased loading capacity on masonry with a minimum crushing strength of 3.5N/mm<sup>2</sup> and above. Hangers 150mm deep and over are manufactured 10mm less to allow for notching and regularisation of timber joists.

All hangers feature 75mm bearing surface and pre-punched side gussets to allow nail fixing into timber joists with 30 x 3.75mm sherardized square twist nails.

#### Box Quantity

Timber depth	Timber Width									
	38	44	47	50	63	75	89	100	125	150
100mm	50	40	40	40	40	40	30	30	n/a	n/a
125mm	45	40	40	40	40	30	30	20	15	n/a
150mm	40	40	40	40	40	25	25	20	15	15
175mm	30	30	30	30	30	20	20	20	15	10
200mm	25	25	25	25	25	20	20	15	10	10
225mm	25	25	25	25	25	20	20	15	10	10
250mm	25	25	25	25	20	15	15	15	10	10

### Test Results

Tested to EN 845-1:2003, specification for ancillary components for masonry - Part 1: Ties, Tension Straps, Hangers and Brackets Ceram Research (Notified Body No.1289) performed Initial Type Testing to EN846-8 under AVCP system 3.

Load Bearing Capacity	
Hanger Width	
38 – 75mm ALL DEPTHS	<b>10kN</b>
100 – 125mm ALL DEPTHS	<b>14kN</b>
150mm ALL DEPTHS	<b>15kN</b>

## Installation

- The back plate of the joist hanger must be flush against the supporting masonry
- A minimum of 675mm of cured masonry must be in position above the joist hanger flanges before any load is applied
- Timber joists should be cut square and butt up to the back face of the hanger with a maximum allowed gap of 6mm
- Nail to the timber joist through all pre-punched holes in each side gusset with BPC 30 x 3.75mm sherardized square twist nails
- It is recommended that ceiling joists are notched at the hanger base to achieve a level surface when using plasterboards
- Type 'R' return hangers and Type 'D' straddle hangers allow easy location and alignment of joists during construction
- Heavy Duty Restraint Straps must be used with all types of SMH joist hangers to provide lateral restraint

