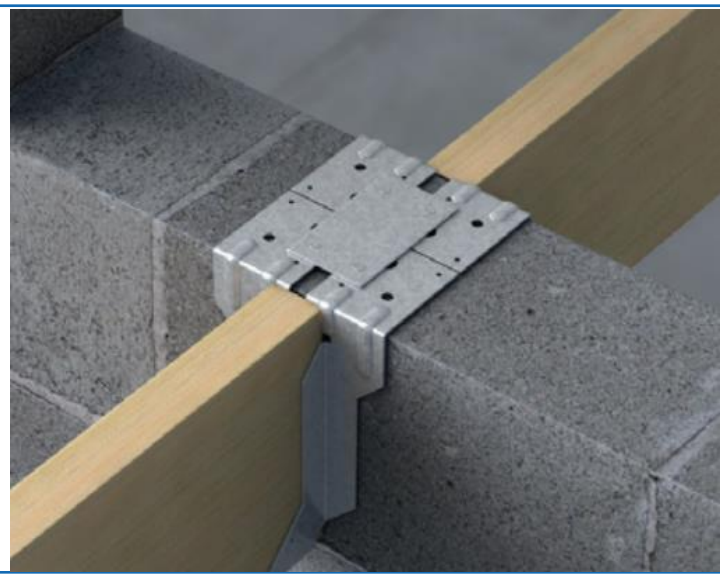
SMH Joist Hanger Type D (Straddle)

Data Sheet

CE

Single Piece Joist Hangers

A range of Heavy Duty Joist Hangers designed for building into brickwork or blockwork. As standard all hangers are manufactured from 2.0mm thick pre-galvanised steels to BS EN 10346: 2009, S280. Wide top flange designs offers increased loading capacity on masonry with a minimum crushing strength of 3.5N/mm² and above. Hangers 150mm and over are manufactured 10mm less to allow for notching and regularisation of timber joists. All hangers feature 75mm bearing surface and pre-punced side gussets to allow nail fixings into timber joists with 30 x 3.75mm Sheradised square twist nails.



SMH Joist Hanger Type D

The straddle type joist is used when timber joist positions are directly opposite each other on either side of a wall or beam. As standard the straddle hanger is manufactured to suit 100mm brickwork, however any width is available.

Dimensions

Width	38, 44, 47, 50, 63, 75, 88, 91, 100, 125 & 150mm
Depth	100, 125, 150*, 175*, 200*, 225* & 250mm*
Bearing surface	75mm
Order Code = SMH/D/width x depth(block size) i.e. SMH/D/50x200 (100 straddle)	

Test Standard

Tested to EN 845-1:2003, specification for ancillary components for masonry – Part 1: Ties, Tension Straps, Hangers and Brackets Cream Research (Notified Body No.1289) performed Initial Type Testing to EN845-8 under AVCP system 3.

Declaration of Performance – BPC001-048-CPR2013

SMH Box Quantities

	Timber Width										
Timber depth	38	44	47	50	63	75	88	91	100	125	150
100mm	50	40	40	40	40	40	30	30	30	n/a	n/a
125mm	45	40	40	40	40	30	30	30	20	15	n/a
150mm	40	40	40	40	40	25	25	25	20	15	15
175mm	30	30	30	30	30	20	20	20	20	15	10
200mm	25	25	25	25	25	20	20	20	15	10	10
225mm	25	25	25	25	25	20	20	20	15	10	10
250mm	25	25	25	25	20	15	15	15	15	10	10

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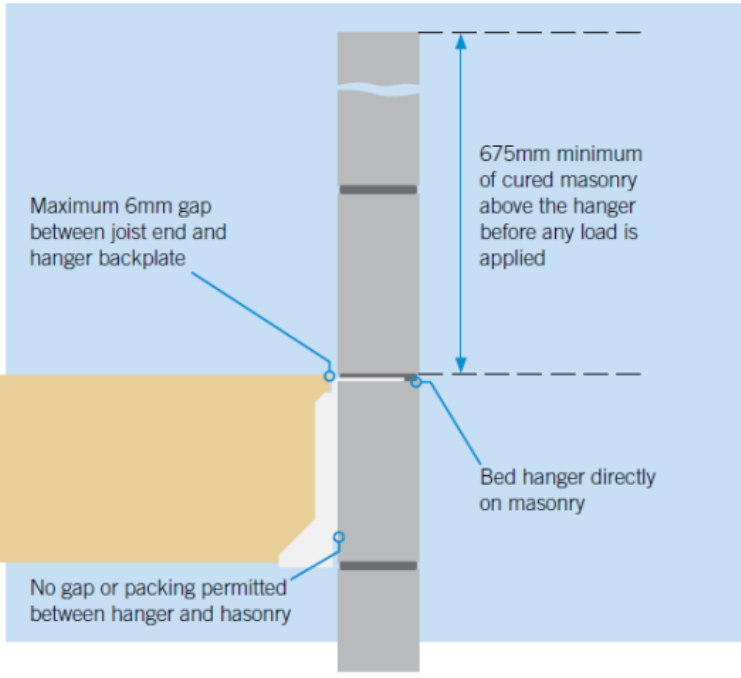
Load Data (kN) – MINIMUM 3.5 n/mm² blockwork

	Joist Widths [mm]		
Timber depth	38 - 91	100	125 - 150
100mm	10	14	15
125mm	10	14	15
150mm	10	14	15
175mm	10	14	15
200mm	10	14	15
225mm	10	14	15
250mm	10	14	10

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 minimum allowed gap of 6mm.
- Nail to the timber joist through all pre-punched holes in each slide gusset with BPC 30 x 3.75mm Sheradised 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 in construction.
- Heavy Duty Restraint Straps must be used with all types of SMH joist hangers to provide lateral restraint.



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