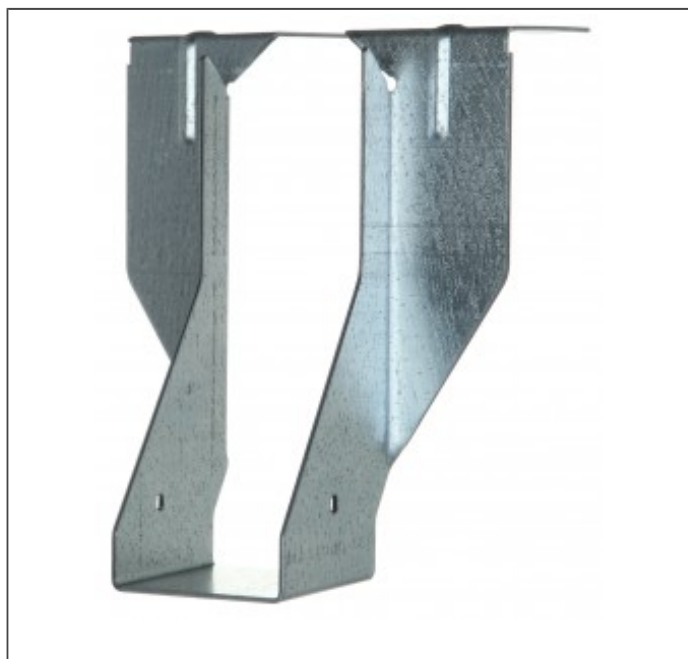


JHMs and HJHMs are for supporting timber joists, beams and trussed rafters from masonry walls.



[UK-DoP-h06/0002](#)

FEATURES

Material

Pre-galvanised mild steel.

Benefits

- Built-in inspection slot at the base of the hanger to aid inspection from the ground.
- HJHM: Heavy duty masonry hanger for higher load carrying capacity.
- Top flange provides widest area in contact with masonry support allowing superior performance.
- Embossments on JHM stiffen top flange and holes allow improved mortar keying.
- JHM side flange on deeper hangers is much higher than traditional style, providing greatly enhanced resistance to joist rotation.

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 ²]			Short Term Uplift
							2.8 AAC	3.5 AAC	7.0 DAC	
JHM100/38	38	100	35	100	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM125/38	38	125	35	125	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM150/38	38	140	35	150	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM175/38	38	165	35	175	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM200/38	38	190	35	200	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM225/38	38	215	35	225	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM250/38	38	240	35	250	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM125/44	44	125	44	125	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM150/44	44	140	44	150	2	3.75 x 30mm	5.29	6.42	10.01	1.00

References	Hanger Dimensions [mm]		Joist Dimensions [mm]		Joist Fasteners		Safe Working Loads [kN]			
	A	B	Width	Height	Qty	Specification	Block Strength [N/mm ²]			Short Term Uplift
							2.8 AAC	3.5 AAC	7.0 DAC	
JHM175/44	44	165	44	175	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM200/44	44	190	44	200	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM225/44	44	215	44	225	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM250/44	44	240	44	250	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM100/47	47	100	47	100	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM125/47	47	125	47	125	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM150/47	47	140	47	150	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM175/47	47	165	47	175	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM200/47	47	190	47	200	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM225/47	47	215	47	225	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM250/47	47	240	47	250	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM100/50	50	100	50	100	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM125/50	50	125	50	125	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM150/50	50	140	50	150	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM175/50	50	165	50	175	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM200/50	50	190	50	200	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM225/50	50	215	50	225	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM250/50	50	240	50	250	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM125/63	63	125	63	125	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM150/63	63	140	63	150	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM175/63	63	165	63	175	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM200/63	63	190	63	200	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM225/63	63	215	63	225	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM250/63	63	240	63	250	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM100/75	75	100	2 Ply 35 or 75	100	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM125/75	75	125	2 Ply 35 or 75	125	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM150/75	75	140	2 Ply 35 or 75	150	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM175/75	75	165	2 Ply 35 or 75	175	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM200/75	75	190	2 Ply 35 or 75	200	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM225/75	75	215	2 Ply 35 or 75	225	2	3.75 x 30mm	5.29	6.42	10.01	1.00

References	Hanger Dimensions [mm]		Joist Dimensions [mm]		Joist Fasteners		Safe Working Loads [kN]			
	A	B	Width	Height	Qty	Specification	Block Strength [N/mm ²]			Short Term Uplift
							2.8 AAC	3.5 AAC	7.0 DAC	
JHM250/75	75	240	2 Ply 35 or 75	250	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM100/91	91	100	2 Ply 44 or 91	100	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM125/91	91	125	2 Ply 44 or 91	125	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM150/91	91	140	2 Ply 44 or 91	150	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM175/91	91	165	2 Ply 44 or 91	175	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM200/91	91	190	2 Ply 44 or 91	200	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM225/91	91	215	2 Ply 44 or 91	225	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM250/91	91	240	2 Ply 44 or 91	250	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM100/100	100	100	2 Ply 50 or 100	100	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM125/100	100	125	2 Ply 50 or 100	125	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM150/100	100	140	2 Ply 50 or 100	150	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM175/100	100	165	2 Ply 50 or 100	175	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM200/100	100	190	2 Ply 50 or 100	200	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM225/100	100	215	2 Ply 50 or 100	225	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM250/100	100	240	2 Ply 50 or 100	250	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM125/125	125	125	2 Ply 63	125	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM225/125	125	215	2 Ply 63	225	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM250/125	125	240	2 Ply 63	250	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM300/125	125	290	2 Ply 63	300	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM175/150	150	165	2 Ply 75	175	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM225/150	150	215	2 Ply 75	225	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM250/150	150	240	2 Ply 75	250	2	3.75 x 30mm	5.29	6.42	10.01	1.00
JHM300/150	150	290	2 Ply 75	300	2	3.75 x 30mm	5.29	6.42	10.01	1.00

Characteristic Values

References	Hanger Dimensions [mm]		Joist Dimensions [mm]		Joist Fasteners		Characteristic Values [kN]			
	A	B	Width	Height	Qty	Specification	Block Strength [N/mm ²]			Uplift
							2.8 AAC	3.5 AAC	7.0 DAC	
JHM100/38	38	100	35	100	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM125/38	38	125	35	125	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM150/38	38	140	35	150	2	3.75 x 30mm	10.59	12.83	20.01	1.8

References	Hanger Dimensions [mm]		Joist Dimensions [mm]		Joist Fasteners		Characteristic Values [kN]			Uplift
	A	B	Width	Height	Qty	Specification	Block Strength [N/mm2]			
							2.8 AAC	3.5 AAC	7.0 DAC	
JHM175/38	38	165	35	175	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM200/38	38	190	35	200	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM225/38	38	215	35	225	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM250/38	38	240	35	250	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM125/44	44	125	44	125	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM150/44	44	140	44	150	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM175/44	44	165	44	175	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM200/44	44	190	44	200	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM225/44	44	215	44	225	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM250/44	44	240	44	250	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM100/47	47	100	47	100	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM125/47	47	125	47	125	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM150/47	47	140	47	150	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM175/47	47	165	47	175	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM200/47	47	190	47	200	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM225/47	47	215	47	225	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM250/47	47	240	47	250	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM100/50	50	100	50	100	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM125/50	50	125	50	125	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM150/50	50	140	50	150	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM175/50	50	165	50	175	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM200/50	50	190	50	200	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM225/50	50	215	50	225	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM250/50	50	240	50	250	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM125/63	63	125	63	125	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM150/63	63	140	63	150	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM175/63	63	165	63	175	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM200/63	63	190	63	200	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM225/63	63	215	63	225	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM250/63	63	240	63	250	2	3.75 x 30mm	10.59	12.83	20.01	1.8

References	Hanger Dimensions [mm]		Joist Dimensions [mm]		Joist Fasteners		Characteristic Values [kN]			
	A	B	Width	Height	Qty	Specification	Block Strength [N/mm2]			Uplift
							2.8 AAC	3.5 AAC	7.0 DAC	
JHM100/75	75	100	2 Ply 35 or 75	100	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM125/75	75	125	2 Ply 35 or 75	125	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM150/75	75	140	2 Ply 35 or 75	150	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM175/75	75	165	2 Ply 35 or 75	175	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM200/75	75	190	2 Ply 35 or 75	200	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM225/75	75	215	2 Ply 35 or 75	225	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM250/75	75	240	2 Ply 35 or 75	250	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM100/91	91	100	2 Ply 44 or 91	100	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM125/91	91	125	2 Ply 44 or 91	125	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM150/91	91	140	2 Ply 44 or 91	150	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM175/91	91	165	2 Ply 44 or 91	175	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM200/91	91	190	2 Ply 44 or 91	200	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM225/91	91	215	2 Ply 44 or 91	225	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM250/91	91	240	2 Ply 44 or 91	250	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM100/100	100	100	2 Ply 50 or 100	100	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM125/100	100	125	2 Ply 50 or 100	125	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM150/100	100	140	2 Ply 50 or 100	150	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM175/100	100	165	2 Ply 50 or 100	175	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM200/100	100	190	2 Ply 50 or 100	200	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM225/100	100	215	2 Ply 50 or 100	225	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM250/100	100	240	2 Ply 50 or 100	250	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM125/125	125	125	2 Ply 63	125	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM225/125	125	215	2 Ply 63	225	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM250/125	125	240	2 Ply 63	250	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM300/125	125	290	2 Ply 63	300	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM175/150	150	165	2 Ply 75	175	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM225/150	150	215	2 Ply 75	225	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM250/150	150	240	2 Ply 75	250	2	3.75 x 30mm	10.59	12.83	20.01	1.8
JHM300/150	150	290	2 Ply 75	300	2	3.75 x 30mm	10.59	12.83	20.01	1.8

JHM Shot fired to steel Girder

References	Fasteners				Safe Working Load [KN]
	Steel Support		Joist Nails		
	Qty	Specification	Qty	Specifications	
JHM	4	Shot fired Pins	2	3.75 x 30mm	5.17

1. The above Safe Working Loads are based upon product tests using four No. Hilti 12mm X-EDNI steel pins fired through holes provided in the top flange of the hangers onto 4mm thick steel plate. Other pins may be used provided similar structural performance is verified by the pin manufacturer. Pin Head size must be sufficient to prevent pull through during loading.

2. The designer must ensure that the steel support member will support the imposed loads.

3. Install shot-fired pins in accordance with manufacturer's instructions.

JHM Skewed

References	Size Range [mm]		Joist Fasteners		Safe Working Loads [kN]		
	A	B	Qty	Specification	Block Strength		
					2.8N/mm ² Solid AAC	3.5N/mm ² Solid AAC	7N/mm ² Solid DAC
Spec JHMSK	38 - 61	100 - 450	4	3.75 x 30mm	5.05	5.17	5.17

1. Maximum skew 45°

INSTALLATION

Installation

- Use all specified fasteners. See "General Notes".
- Set hanger back flange tight against block wall when built to desired level, then continue with additional courses to complete wall height. Joist should be tight into back of hanger when possible. Maximum gap permitted is 6mm.
- MINIMUM 3 COURSES OF SOLID BLOCK (675MM MASONRY) REQUIRED ABOVE HANGER WITH MORTAR FULLY CURED BEFORE APPLYING LOAD.
- Do not stack blocks or heavy loads on the joists during construction unless the joists have additional support to take the full load of the blocks vertically and horizontally.
- The JHM joists hangers can be fixed to steel beams by means of power actuated fasteners (see table below).
- The shot-fired pins must be installed by a qualified person in accordance with the manufacturer's installation requirements.

TECHNICAL NOTES

Notes

1. The above Safe Working Loads are based upon product tests using four No. Hilti 12mm X-EDNI steel pins fired through holes provided in the top flange of the hangers onto 4mm thick steel plate. Other pins may be used provided similar structural performance is verified by the pin manufacturer. Pin Head size must be sufficient to prevent pull through during loading.
1. The designer must ensure that the steel support member will support the imposed loads.
2. Install shot-fired pins in accordance with manufacturer's instructions.