

# Masonry Return Hangers

FHMR & WR

The FHMR and WR Joist Hangers are designed for similar applications and installation as the standard Masonry Joist Hangers FHM & WM. The return adds additional lateral support by wrapping around the back of the masonry or timber.

The FHMR and WR have a 25mm drop on the return flange as standard but many specials and variations can be made to order.

## Masonry Return Hanger **FHMR**

- No welds.
- FHM hangers 150mm and above are manufactured 10mm less to allow for notching and regularised timber.

## Welded Masonry Return Hanger **WR**

- Flexibility of design means as well as the standard sizes the WR can be manufactured in any size to order.
- 2.4mm thick.

## SPECIFICATION

- Galvanised steel to EN10346 DX51D Z600.
- Grade 1.4301 austenitic stainless steel to EN 10088-2 (available on selected products - please see table).
- Manufactured to EN 845-1:2013.
- 2.4mm thick.
- Where appropriate tested by Lucideon Ltd.

## INSTALLATION

- The back plate of the hanger should lie flat against the vertical masonry support.
- Masonry flange should have a minimum of 3 courses (675mm masonry) above.
- Both supporting and above masonry should be allowed to mature before any load is applied.
- Joist should be square cut and sit tight to the back of the hanger - maximum gap permitted is 6mm.
- Nail the side flanges with 30 x 3.75mm galvanised square twist nails or equivalent.
- To provide lateral restraint heavy duty straps should be used.
- The masonry flange should always be securely fixed or adequately embedded and should never be placed in dry slots.
- Always ensure that compatible corrosion resistant fixings are used, i.e. do not use galvanised fixings with stainless steel products or vice versa.
- Use correct strength mortar as per British Standard.



FHMR installation diagram



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## ORDERING

- FHMR are available in 47mm and 50mm wide, WR hangers are available in all sizes.
- When ordering the FHMR or WR please state the width (W), height (H) and the width of the return (R).

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Code	Product	Characteristic Value (kN) for Eurocode 6	Safe Working Load for BS5628 (kN)
Pre Galvanised Steel - 2.4mm			
MASONRY RETURN HANGER			
FHMR	FHMR Masonry Return Hanger	9.7	5.4

\* All values are derived in line with EN 845-1:2013 based on a declared value of 10.8kN.

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Code	Product	Characteristic Value (kN) for Eurocode 6	Safe Working Load for BS5628 (kN)
Pre Galvanised Steel - 2.4mm			
WELDED RETURN HANGER			
WR	Welded Return Hanger	6.7	3.5
Stainless Steel			
WRSS	Welded Return Hanger Stainless Steel	6.7	3.5

\* All values are derived in line with EN 845-1:2013 based on a declared value of 7kN.

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