

The FHM Single Piece Joist Hanger and the WM Welded Masonry Joist Hanger are designed to support timber joists built in to brick or block walls with a minimum crushing strength of 3.5N/mm². They are also suitable for many timber to timber applications by fixing the masonry flange securely to the timber or to steel beams using appropriate fixings.

Single Piece Masonry Hanger **FHM**

- Straight top flange.
- Can easily be transformed into a hook over joist hanger using the unique FHM Lock Plates, no special tools or rivets are required. Just insert Lock Plate at 90°, rotate and tap into place.
- No welds.
- FHM Hangers 150mm and above are manufactured 10mm less to allow for notching out regularised timber.



Welded Masonry Joist Hanger **WM**

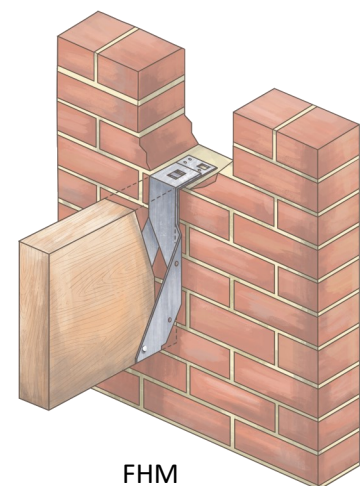
- Flexibility of design means as well as the standard sizes shown the WM can be manufactured in any size to order.

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.
- 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. Stainless steel hangers should be nailed using 30 x 3.75 annular ring shank nails.
- To provide lateral restraint HD straps should be used.
- The masonry flange should always be securely fixed or adequately embedded and should never be placed in dry slots.
- Use appropriate fixings.
- Always ensure that compatible corrosion resistant fixings are used, i.e. do not use galvanised fixings with stainless steel products or vice versa.



Masonry Hangers

FHM & WM

| Code | Product | Product Dimensions | | Characteristic Value (kN) for Eurocode 6 | Safe Working Load for BS5628 (kN) | Box Qty. |
|------------------------------------|---------------------------------|--------------------|--------|---|--------------------------------------|----------|
| | | Width | Height | | | |
| Pre Galvanised Steel - 2.4mm | | | | | | |
| SINGLE PIECE MASONRY HANGER | | | | | | |
| FHM47/100 | FHM Single Piece Masonry Hanger | 47 | 100 | 9.7 | 5.4 | 30 |
| FHM47/125 | FHM Single Piece Masonry Hanger | 47 | 125 | 9.7 | 5.4 | 30 |
| FHM47/150 | FHM Single Piece Masonry Hanger | 47 | 140 | 9.7 | 5.4 | 20 |
| FHM47/175 | FHM Single Piece Masonry Hanger | 47 | 165 | 9.7 | 5.4 | 20 |
| FHM47/200 | FHM Single Piece Masonry Hanger | 47 | 190 | 9.7 | 5.4 | 20 |
| FHM47/225 | FHM Single Piece Masonry Hanger | 47 | 215 | 9.7 | 5.4 | 20 |
| FHM50/100 | FHM Single Piece Masonry Hanger | 50 | 100 | 9.7 | 5.4 | 30 |
| FHM50/125 | FHM Single Piece Masonry Hanger | 50 | 125 | 9.7 | 5.4 | 30 |
| FHM50/150 | FHM Single Piece Masonry Hanger | 50 | 140 | 9.7 | 5.4 | 20 |
| FHM50/175 | FHM Single Piece Masonry Hanger | 50 | 165 | 9.7 | 5.4 | 20 |
| FHM50/200 | FHM Single Piece Masonry Hanger | 50 | 190 | 9.7 | 5.4 | 20 |
| FHM50/225 | FHM Single Piece Masonry Hanger | 50 | 215 | 9.7 | 5.4 | 20 |

Lock Plates

| | | |
|--|-----------------------|-----|
| SINGLE PIECE MASONRY HANGER LOCK PLATE RETURN | | |
| FHMR100 | FHM Lock Plate Return | 100 |
| FHMR115 | FHM Lock Plate Return | 115 |
| FHMR140 | FHM Lock Plate Return | 140 |
| FHMR150 | FHM Lock Plate Return | 150 |
| FHMR215 | FHM Lock Plate Return | 215 |



LOCK PLATE

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

| Code | Product | Product Dimensions (mm) | | Characteristic Value (kN) for Eurocode 6 | Safe Working Load for BS5628 (kN) | Box Qty. |
|------------------------------------|-----------------------|-------------------------|--------|---|--------------------------------------|----------|
| | | Width | Height | | | |
| Pre Galvanised Steel - 2.4mm | | | | | | |
| WELDED MASONRY JOIST HANGER | | | | | | |
| WM44X100 | Welded Masonry Hanger | 44 | 100 | 6.7 | 3.5 | 45 |
| WM44X125 | Welded Masonry Hanger | 44 | 125 | 6.7 | 3.5 | 40 |
| WM44X150 | Welded Masonry Hanger | 44 | 140 | 6.7 | 3.5 | 40 |
| WM44X175 | Welded Masonry Hanger | 44 | 165 | 6.7 | 3.5 | 30 |
| WM44X200 | Welded Masonry Hanger | 44 | 190 | 6.7 | 3.5 | 30 |
| WM44X225 | Welded Masonry Hanger | 44 | 215 | 6.7 | 3.5 | 30 |
| WM44X250 | Welded Masonry Hanger | 44 | 240 | 6.7 | 3.5 | 30 |
| WM44X275 | Welded Masonry Hanger | 44 | 265 | 6.7 | 3.5 | 25 |
| WM44X300 | Welded Masonry Hanger | 44 | 290 | 6.7 | 3.5 | 25 |
| WM50X100 | Welded Masonry Hanger | 50 | 100 | 6.7 | 3.5 | 45 |
| WM50X125 | Welded Masonry Hanger | 50 | 125 | 6.7 | 3.5 | 40 |
| WM50X150 | Welded Masonry Hanger | 50 | 140 | 6.7 | 3.5 | 40 |
| WM50X175 | Welded Masonry Hanger | 50 | 165 | 6.7 | 3.5 | 30 |
| WM50X200 | Welded Masonry Hanger | 50 | 190 | 6.7 | 3.5 | 30 |
| WM50X225 | Welded Masonry Hanger | 50 | 215 | 6.7 | 3.5 | 30 |
| WM50X250 | Welded Masonry Hanger | 50 | 240 | 6.7 | 3.5 | 30 |
| WM50X275 | Welded Masonry Hanger | 50 | 265 | 6.7 | 3.5 | 25 |
| WM50X300 | Welded Masonry Hanger | 50 | 290 | 6.7 | 3.5 | 25 |
| WM63X100 | Welded Masonry Hanger | 63 | 100 | 6.7 | 3.5 | 30 |
| WM63X125 | Welded Masonry Hanger | 63 | 125 | 6.7 | 3.5 | 25 |
| WM63X150 | Welded Masonry Hanger | 63 | 140 | 6.7 | 3.5 | 25 |
| WM63X175 | Welded Masonry Hanger | 63 | 165 | 6.7 | 3.5 | 20 |
| WM63X200 | Welded Masonry Hanger | 63 | 190 | 6.7 | 3.5 | 20 |

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

Product table continues on the following page.

Masonry Hangers

FHM & WM

| Code | Product | Product Dimensions (mm) | | Characteristic Value (kN) for Eurocode 6 | Safe Working Load for BS5628 (kN) | Box Qty. |
|-------------------------------------|-----------------------|-------------------------|--------|---|--------------------------------------|-------------|
| | | Width | Height | | | |
| Pre Galvanised Steel - 2.4mm | | | | | | |
| WELDED MASONRY JOIST HANGER | | | | | | |
| WM63X225 | Welded Masonry Hanger | 63 | 215 | 6.7 | 3.5 | 20 |
| WM63X250 | Welded Masonry Hanger | 63 | 240 | 6.7 | 3.5 | 20 |
| WM63X275 | Welded Masonry Hanger | 63 | 265 | 6.7 | 3.5 | 15 |
| WM63X300 | Welded Masonry Hanger | 63 | 290 | 6.7 | 3.5 | 15 |
| WM75X100 | Welded Masonry Hanger | 75 | 100 | 6.7 | 3.5 | 30 |
| WM75X125 | Welded Masonry Hanger | 75 | 125 | 6.7 | 3.5 | 25 |
| WM75X150 | Welded Masonry Hanger | 75 | 140 | 6.7 | 3.5 | 25 |
| WM75X175 | Welded Masonry Hanger | 75 | 165 | 6.7 | 3.5 | 20 |
| WM75X200 | Welded Masonry Hanger | 75 | 190 | 6.7 | 3.5 | 20 |
| WM75X225 | Welded Masonry Hanger | 75 | 215 | 6.7 | 3.5 | 20 |
| WM75X250 | Welded Masonry Hanger | 75 | 240 | 6.7 | 3.5 | 15 |
| WM75X275 | Welded Masonry Hanger | 75 | 265 | 6.7 | 3.5 | 15 |
| WM75X300 | Welded Masonry Hanger | 75 | 290 | 6.7 | 3.5 | 15 |
| WM90X100 | Welded Masonry Hanger | 90 | 100 | 6.7 | 3.5 | 20 |
| WM90X125 | Welded Masonry Hanger | 90 | 125 | 6.7 | 3.5 | 15 |
| WM90X150 | Welded Masonry Hanger | 90 | 140 | 6.7 | 3.5 | 15 |
| WM90X175 | Welded Masonry Hanger | 90 | 165 | 6.7 | 3.5 | 15 |
| WM90X200 | Welded Masonry Hanger | 90 | 190 | 6.7 | 3.5 | 15 |
| WM90X225 | Welded Masonry Hanger | 90 | 215 | 6.7 | 3.5 | 15 |
| WM90X250 | Welded Masonry Hanger | 90 | 240 | 6.7 | 3.5 | 10 |
| WM90X275 | Welded Masonry Hanger | 90 | 265 | 6.7 | 3.5 | 10 |
| WM90X300 | Welded Masonry Hanger | 90 | 290 | 6.7 | 3.5 | 10 |
| WM100X100 | Welded Masonry Hanger | 100 | 100 | 6.7 | 3.5 | 20 |
| WM100X125 | Welded Masonry Hanger | 100 | 125 | 6.7 | 3.5 | 15 |
| WM100X150 | Welded Masonry Hanger | 100 | 140 | 6.7 | 3.5 | 15 |
| WM100X175 | Welded Masonry Hanger | 100 | 165 | 6.7 | 3.5 | 15 |
| WM100X200 | Welded Masonry Hanger | 100 | 190 | 6.7 | 3.5 | 15 |
| WM100X225 | Welded Masonry Hanger | 100 | 215 | 6.7 | 3.5 | 15 |
| WM100X250 | Welded Masonry Hanger | 100 | 240 | 6.7 | 3.5 | 10 |
| WM100X275 | Welded Masonry Hanger | 100 | 265 | 6.7 | 3.5 | 10 |
| WM100X300 | Welded Masonry Hanger | 100 | 290 | 6.7 | 3.5 | 10 |
| WM125X100 | Welded Masonry Hanger | 125 | 100 | 6.7 | 3.5 | 20 |
| WM125X125 | Welded Masonry Hanger | 125 | 125 | 6.7 | 3.5 | 10 |
| WM125X150 | Welded Masonry Hanger | 125 | 140 | 6.7 | 3.5 | 15 |
| WM125X175 | Welded Masonry Hanger | 125 | 165 | 6.7 | 3.5 | 10 |
| WM125X200 | Welded Masonry Hanger | 125 | 190 | 6.7 | 3.5 | 10 |
| WM125X225 | Welded Masonry Hanger | 125 | 215 | 6.7 | 3.5 | 10 |
| WM132X150 | Welded Masonry Hanger | 132 | 140 | 6.7 | 3.5 | - |
| WM132X200 | Welded Masonry Hanger | 132 | 190 | 6.7 | 3.5 | - |
| WM132X225 | Welded Masonry Hanger | 132 | 215 | 6.7 | 3.5 | - |
| WM150X150 | Welded Masonry Hanger | 150 | 140 | 6.7 | 3.5 | 15 |
| WM150X175 | Welded Masonry Hanger | 150 | 165 | 6.7 | 3.5 | 10 |
| WM150X200 | Welded Masonry Hanger | 150 | 190 | 6.7 | 3.5 | 10 |
| WM150X225 | Welded Masonry Hanger | 150 | 215 | 6.7 | 3.5 | 10 |
| Stainless Steel | | | | | | |
| WMSS50X100 | Welded Masonry Hanger | 50 | 100 | 6.7 | 3.5 | - |
| WMSS50X125 | Welded Masonry Hanger | 50 | 125 | 6.7 | 3.5 | - |
| WMSS50X150 | Welded Masonry Hanger | 50 | 140 | 6.7 | 3.5 | - |
| WMSS50X175 | Welded Masonry Hanger | 50 | 165 | 6.7 | 3.5 | - |
| WMSS50X200 | Welded Masonry Hanger | 50 | 190 | 6.7 | 3.5 | - |
| WMSS50X225 | Welded Masonry Hanger | 50 | 215 | 6.7 | 3.5 | - |
| WMSS100X150 | Welded Masonry Hanger | 100 | 140 | 6.7 | 3.5 | - |
| WMSS100X175 | Welded Masonry Hanger | 100 | 165 | 6.7 | 3.5 | - |
| WMSS100X200 | Welded Masonry Hanger | 100 | 190 | 6.7 | 3.5 | - |
| WMSS100X225 | Welded Masonry Hanger | 100 | 215 | 6.7 | 3.5 | - |

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