

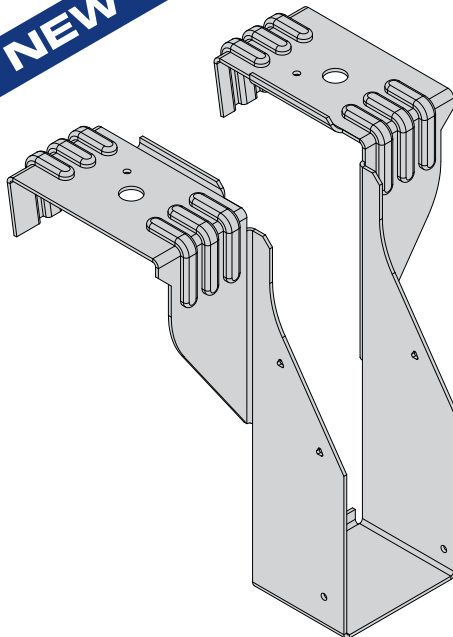
# SB-JHIR



## Safe Build Masonry Joist Hanger



**NEW**



The **SB-JHIR** hanger is a new timber to masonry hanger range designed for use with I-Joists and open webs from masonry walls without the need for masonry above the top flange.

### Features & Benefits

- Requires no masonry above the hanger to achieve performance values stated
- Allows a safe working platform with no masonry above, reducing health and safety risks compared with traditional masonry hangers
- Supporting block work only needs to cure for 3 days instead of the standard 28 days for traditional masonry hangers, speeding up the build process

### Material Specification

- Galvanised mild steel - Z600

### Fixings

Fixings required into incoming member only. No fixings required into masonry.

Code	Description	Box Qty
547389	3.4 x 35mm Square Twist Nails - LOOSE	500
141185	3.4 x 35mm Square Twist Nails - COLLATED*	2,500

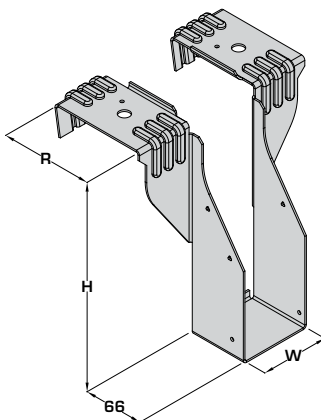
\*For use with Paslode PPN35Ci

### Available Sizes

Hanger Width (W) (mm)	Hanger Depth (H) (mm)
	225
46	SB-JHIR-46-225-100
50	SB-JHIR-50-225-100
61	SB-JHIR-61-225-100
65	SB-JHIR-65-225-100
72	SB-JHIR-72-225-100
75	SB-JHIR-75-225-100
92	SB-JHIR-92-225-100
100	SB-JHIR-100-225-100

### Dimensions (mm)

#### SB-JHIR-46-100MM WIDE



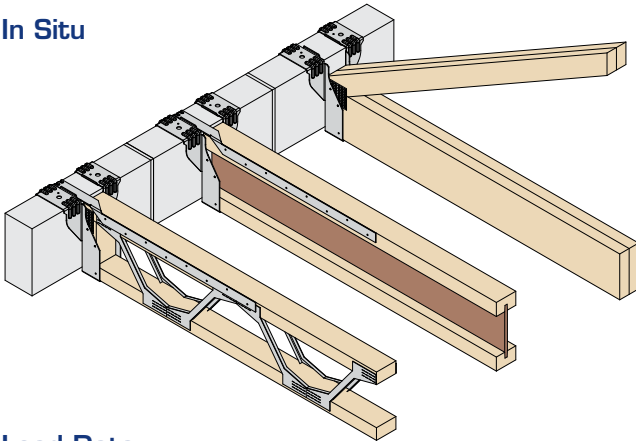
SB-JHIR-W-H-R

Example: SB-JHIR-50-225-100

(Return available to suit 100mm wide block work)

## Safe Build Masonry Joist Hanger

### In Situ



- Suitable for use with Open Web Joists, I-Joists and trusses
- No need for propping and allows safe working platform with no masonry above



- **No masonry** is required above the hanger
- The masonry supporting the hanger must be cured for **3 days** prior to loading the floor.
- The SB-JHIR does not provide restraint, therefore restraint straps may be required (see pages 132 - 133)

### Load Data

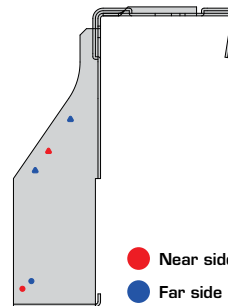
Hanger Type	Masonry Above (Min 675mm)	Fixings (3.4 x 35mm) Incoming	Safe Working Loads (kN)				Characteristic Capacity (kN)			
			Uplift Short Term	Masonry Crushing Strength			Uplift	Masonry Crushing Strength		
				2.8N/mm <sup>2</sup>	3.5N/mm <sup>2</sup>	7.0N/mm <sup>2</sup>		2.8N/mm <sup>2</sup>	3.5N/mm <sup>2</sup>	7.0N/mm <sup>2</sup>
SB-JHIR	No	2	n/a	3.68	4.60	4.60	n/a	6.61	8.27	8.27
SB-JHIR	Yes	2	1.00	6.00	7.54	11.00	2.00	11.17	13.97	23.04

### Enhanced Uplift

- Fixings into the incoming joist/truss are required to resist uplift
- Increased uplift figures can be achieved by nailing the additional triangular nail holes into the incoming member
- Web stiffeners required for I-Joists, 2No end blocks required for Open Web Joists & minimum bottom chord depth/vertical required for trusses

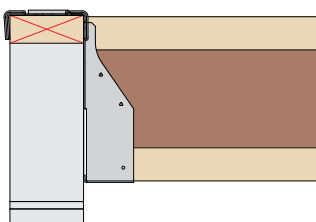
Fixings (3.4 x 35mm) Incoming	Safe Working Loads (kN)			Characteristic Capacity (kN)
	Uplift - Short Term	Uplift - Medium Term	Uplift - Long Term	Uplift
5	2.25	2.14	1.87	4.50

- Requires minimum **3 courses (675mm)** of masonry above to achieve values

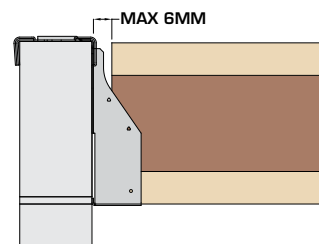


Hanger Depth (mm)	Min Timber Depth (mm)
225	172

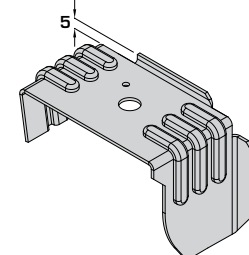
### Incorrect Installation



Do not install the hanger onto a timber wall plate.



Do not install the hanger with a gap exceeding 6mm between the joist/truss and the hanger.



Do not flatten the 5mm upstands on the hanger top flanges. These are critical to the performance.