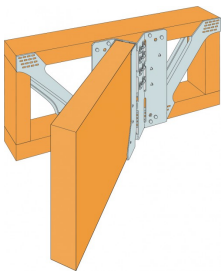
Technical data sheet

IUBS

Backer Free Metal Web Joist Hanger (with adjustable skew)

The IUBS solves the problem of skewed hangers for metal web to metal web connections. It can be handed left or right on site, by the carpenter, removing confusion when the floor is built opposite to the drawing.
The IUBS is fully adjustable from 5° to 67.5° degrees skew, reducing the need for "special" skew hangers.

- *Standard 45° skew, with site adjustable skew from 5° to 67.5° degrees.*
- *Non-handed hanger, can be left or right skewed - adjusted on site removing any handing confusion and reduce stocking.*
- *Use SSH6.0x60 for enhanced download capacity.*
- *Can be used on metal web joist or solid joist headers.*
- *Optional nail holes for additional download.*



Step 4: Locate the floor joist into the stirrup ensuring the joist is set tight to the back of the stirrup. The joist should be secured into the stirrup with all specified nails on the open face of the stirrup. (Note: For enhanced download capacity use SDS25212 screws.)

Features

Material

- Pre-galvanised mild steel.

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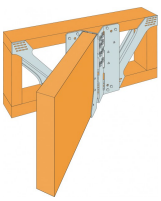
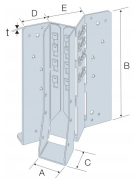
Technical Data

Product dimensions

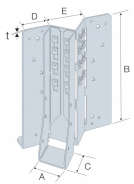


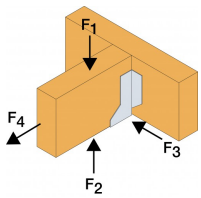


Step 4: Locate the floor joist into the stirrup ensuring the joist is set tight to the back of the stirrup. The joist should be secured into the stirrup with all specified nails on the open face of the stirrup. (Note: For enhanced download capacity use SDS25212 screws.)

References	Joist dimensions		Product dimensions [mm]						Header holes		Joist holes	Weight [kg]
	Width	Height	A	B	C	D	F	t	Ø4 [mm]	Ø6.4 [mm]	Ø4 [mm]	
IUBS195/75	72	195	75	190	64	56	-	1.5	10	4	2	1.104
IUBS225/99	97	225	99	220	64	56	-	1.5	10	4	2	-

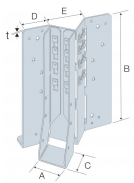
Product Capacities - Timber to timber - Standard Installation

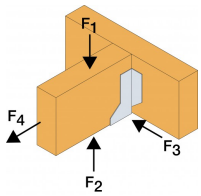




References	Fasteners		Product characteristic capacities - Timber C24 [kN]	
	Header	Joist	$R_{1,k}$	$R_{2,k}$
	Qty	Qty	N3.75x30	N3.75x30
IUBS	10	2	12.72	1.3

Product Capacities - Timber to timber - Enhanced Installation





References	Fasteners				Product characteristic capacities - Timber C24 [kN]	
	Header		Joist		$R_{1.k}$	$R_{2.k}$
	Qty	Type	Qty	Type		
IUBS	4	SSH6.0x60	2	3.75x30	17.18	1.3

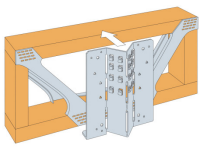
N3.75x30 refers to a Square Twist Nail

Installation

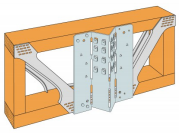
Angle Guide Table

Angle Guide Table

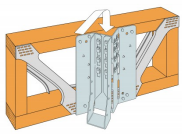
Skew Angle	Distance B [mm]
5	206
15	200
22.5	190
30	180
37.5	166
45	149
52.5	130
60	109
67.5	86



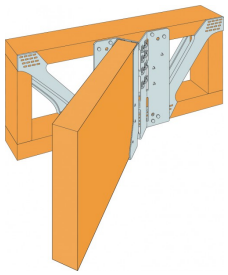
Step 1: Position the back plate onto the header in the required position.



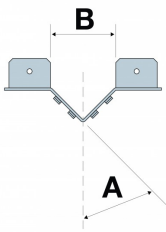
Step 2: Secure the back plate (inside angle) with the specified nails. Secure the obtuse side of the back plate onto the header with all the specified nails, ensuring the face of the back plate is tight against the header.



Step 3: Offer the stirrup to the back plate ensuring it is located on the correct side (which can be either left or right hand side). Once all of the hooks (on the back plate) are clearly through the apertures (on stirrup) slide in a downward direction ensuring all hooks engage onto the stirrup and click into position.



Step 4: Locate the floor joist into the stirrup ensuring the joist is set tight to the back of the stirrup. The joist should be secured into the stirrup with all specified nails on the open face of the stirrup. (Note: For enhanced download capacity use SDS25212 screws.)



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