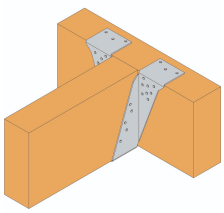
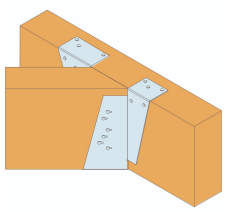
Technical Sheet

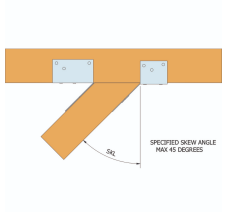
HB
Top Flange Engineered Joist Hanger

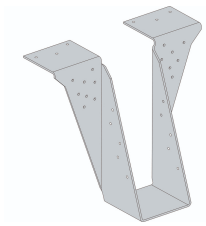
The HB is a joist hanger for supporting I-joists and structural composite timber from timber headers. The HB is designed especially for use with single ply headers of thickness 89mm or more.

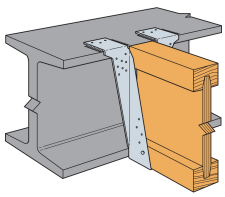












Features

Material

- Pre-galvanised mild steel

Installation

- Use all specified fasteners. Verify that the header can take the required fasteners specified in the table.
- Web stiffeners are required for use with the HB hanger styles.
- The HB hanger may be used for weld on applications. The minimum required weld for the top flanges is a 3.0 x 50mm fillet weld on each side of the top flange tabs.
- Weld-on applications produce maximum allowable loads listed.
- Uplift loads do not apply for this application.
- Special considerations should be taken when welding galvanised steel.

Options

- Other widths and heights are available as a special order, contact factory for details.
- HB series hangers can be skewed and sloped to a maximum of 45°. See table for load adjustment factors.

Options

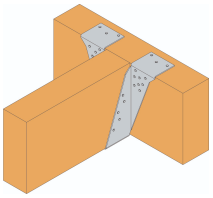
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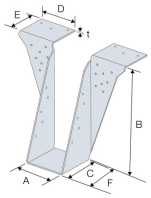
Technical Sheet

HB
Top Flange Engineered Joist Hanger

SIMPSON Strong-Tie

Technical Data





Product Dimensions

Reference	Connector Dimensions											
	Timber size[mm]		Product Dimensions[mm]							Header holes	Joist holes	Other
	Width[mm]	Height	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	t[mm]	Round Ø4.3[mm]	Round Ø4.3[mm]	Weight[kg]
HB220/92	90	220.0	92	220	90	90	75	93	3	22	10	1.421
HB240/92	90	240.0	92	240	90	90	75	93	3	22	10	1.51
HB245/92	90	245.0	92	245	90	90	75	93	3	22	10	1.53
HB300/92	90	300.0	92	300	90	90	75	93	3	22	10	1.77

HB onto I-joists

Reference	Hanger capacity							
	Product capacities - HB onto I-Joist							
	Installation	Number of Fasteners					Characteristic Capacities	
		Joist		Header			$R_{2,k}$	$R_{1,k}$
		Qty	Type	Top Qty	Type	Face Qty		I-Joist Headers with LVL Flanges ≥ 35mm	I-Joist Headers with Solid Sawn Flanges ≥ 45mm

HB onto Solid Joists

Reference	Hanger capacity								
	HB onto Solid Joists								
	Number of Fasteners						Characteristic Capacities[kN]		
	Joist		Header				$R_{2,k}$	$R_{1,k}$	
	Qty	Type	Top		Face			C16	LVL
			Qty	Type	Qty	Type			

HB onto Timber Nailers (38-74mm)

Reference	Hanger capacity							
	HB onto Timber Nailers 38-74 mm							
	Number of Fasteners						Characteristic Capacities[kN]	
	Header				Joist		$R_{2,k}$	$R_{1,k}$
	Top		Face		Qty	Type	N3.75x30	N3.75x30
	Qty	Type	Qty	Type				

Technical Sheet

HB
Top Flange Engineered Joist Hanger

HB onto Timber Nailer (75-100mm)

Reference	Hanger capacity						
	HB onto Timber Nailers 75-100 mm						
	Number of Fasteners					Characteristic Capacities[kN]	
	Header			Joist		$R_{1,k}$	$R_{2,k}$
	Top Qty	Type	Face Qty	Qty	Type	N3.75x75	N3.75x75

HB Skew & Slope Adjustment Factors

Reference	Hanger capacity				
	Skew & Slope Adjustable Factors				
	Sloped Down	Sloped Up	Skewed	Sloped Down & Skewed	Sloped Up & Skewed

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