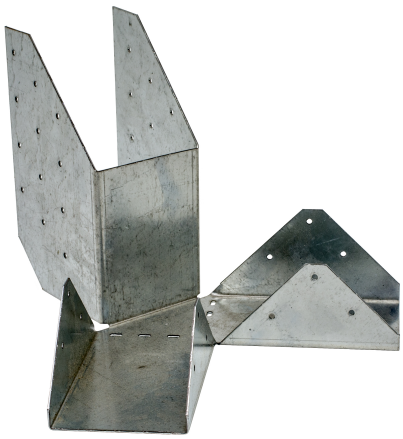
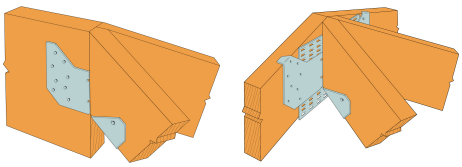
Technical Sheet

HRC
Hip Ridge Connector

The HRC is a one-piece connector for supporting hip members from the ridge beam or rafters. It is site adjustable for slopes up to 45°, to cater for the hip pitch for both left and right rafters.





Features

Material

- Pre-galanised mild steel

Technical Sheet

HRC
Hip Ridge Connector

Technical Data

HRC Product Dimensions

Reference	Connector Dimensions											
	Hip Rafter	Ridge	Product Dimensions[mm]					Header holes		Joist holes		
	Hip Rafter Width	Ridge width	A[mm]	B[mm]	C[mm]	D[mm]	t[mm]	Round		Round	Obround	
								Ø4[mm]	Ø4.3	Ø4.3	Ø4.3x8 Obround	Ø4x6 Obround
HRC1.81	-	-	-	-	-	-	-	-	-	-	-	-
HRC46	46	38 to 45	46	118	87	218	1.5	-	16	-	4	-
HRC50	50	38 to 50	50	118	87	218	1.5	16	-	-	-	4
HRC90	90	89	90	216	148	90	2	-	24	12	-	-

HRC Product Capacities

Reference	Multiple Hanger capacity							
	Number of Fasteners				Characteristic Capacities[kN]			
	Carried Member		Each Hip		$R_{1,k}$		$R_{2,k}$	
	Qty	Specification	Qty	Specification	N3.75x30	N4.0x90	N3.75x30	N4.0x90
HRC1.81	-	-	-	-	-	-	-	-
HRC46	16.0	3.75x30mm	2.0	3.75x30mm	2.8	-	0.9	-
HRC50	16.0	3.75x30mm	2.0	3.75x30mm	2.8	-	0.9	-
HRC90	24.0	4.0x90mm	6.0	4.0x90mm	-	10.4	-	3.5

Performance values shown are for each hip. total load carried by the connector is double this value

Installation

Installation

- On the end of the ridge, use optional slots to secure the HRC50 and HRC1.81. Bend face flanges back flush with the ridge, and complete the nailing.
- On face of ridge, adjust to correct height and install nails.
- Obround nail holes ease rafter installation.
- Optional diamond holes on the HRC range (except HRC44) are for installation convenience.
- Double bevel cut hip members to achieve full bearing capacity.
- May be sloped to 45° with no reduction in loads.

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