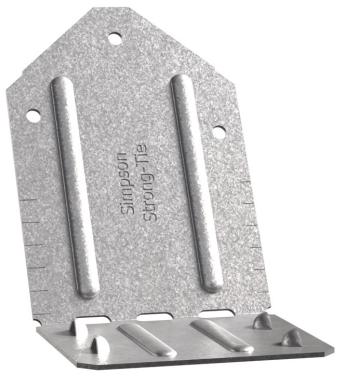
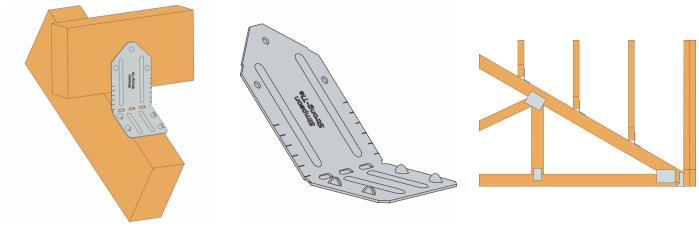
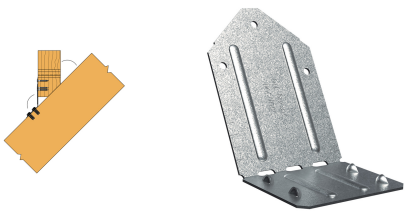
Technical Sheet

VTCR
Valley Truss Clip

Specifically designed to provide an effective connection allowing valley trusses to be connected to common trusses. The VTCR eliminates the need to add a support wedge under the valley truss or to bevel the bottom chord to match the roof pitch. Site-adjustable, this single piece solution can be used on roof pitch angles from 10° to 40°.







Features

Material

- Pre-galvanised mild steel.

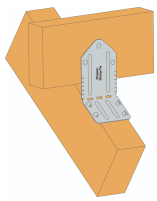
Key Features

- Structural valley connection.
- Single sided for new construction or retro fit.
- Field adjustment for pitch. Adjustable between 10 and 40 degrees.
- Eliminates bottom chord bevelling or wedging.
- Reduces valley installation cost.
- Reduces valley truss manufacture cost.
- Suitable for use with 35mm and 47mm wide truss timbers
- The dome holes assist in installing the fasteners into the supporting truss at approximately 45°

Technical Sheet

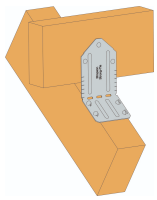
VTCR
Valley Truss Clip

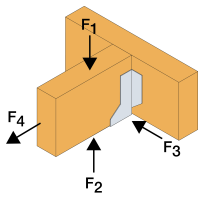
Technical Data



Product Dimensions

Reference	Connector Dimensions									
	Other				Product Dimensions[mm]				Flange B[mm]	Holes Flange C
	Tun / DB nr.	NOB nr.	Qty per Box	Weight[kg]	A[mm]	B[mm]	C[mm]	Thickness[mm]	Round	Round
									Ø3.8	Ø4
VTCR	1862291	51165955	100.0	0.082	64	51	90	1.2	4	3





Performance Values

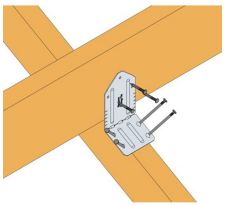
Reference	Angle bracket capacity						
	Number of Fasteners				Characteristic Capacities[kN]		
	Common truss (Flange B)		Valley Truss (Flange C)		$R_{2,k}$	$R_{1,k}$	
	Qty	Specification	Qty	Specification		35mm	47mm
VTCR	4.0	N3.35x65	3.0	N3.75x30	1	6	8

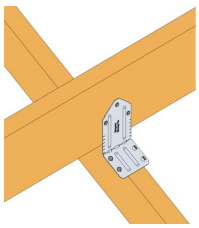
1. 35mm and 47mm refers to the thickness of the supporting common truss timbers
2. R_2 loads are applicable to 35mm and 47mm timbers

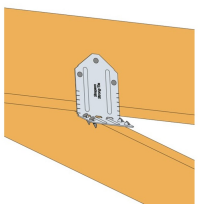
Installation

Installation

- Install VTCR with all specified fasteners: 3.35x65mm round wire nails into the supporting truss and 3.75x30mm square twsit nails into the valley truss
- Position the VTCR onto the supporting truss and install the 3.35x65mm nail at an angle of 45° through the dome nail holes. (Fig 1)
  - Note: when the supporting truss is 35mm thick, a portion of the nails will be exposed before penetrating into the side of the truss (Fig 3)
- Bend the uppper flange of the VTCR to the required angle; position the valley truss against this leg and install the 3.75x30mm nail into the bottom chord of the valley truss (Fig 1)
- Install a VTCR on each of the top chords of the supporting trusses at each intersection of supporting truss and valley truss







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