

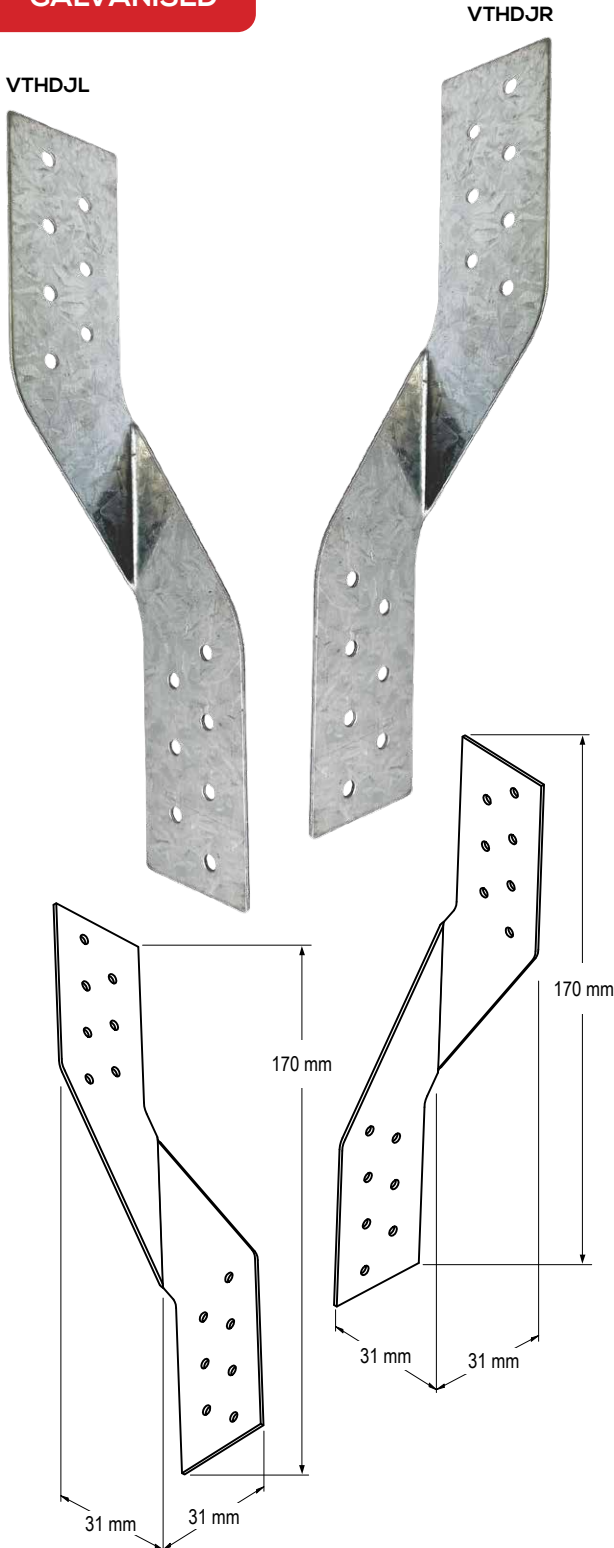


GALVANISED HEAVY DUTY JOIST STRAPS

JUN23

Compliant with the requirements of AS1684. Designed and tested to AS1649.

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APPLICATION

VUETRADE Heavy Duty Joist Straps are a quick and effective solution for fixing ceiling joists to hanging beams, rafters to beams, and floor joists to bearers.

SPECIFICATION

VUETRADE Heavy Duty Joist Straps are manufactured from G300 Z275 galvanised steel in 1.0 mm thickness. Dimensions are available below.

FASTENERS

Nails: Use only VUETRADE 30mm x 2.8mm Ø Galvanised Connector Plate Nails

SIZES

Product Code	Nominal Size (mm)	Thickness (mm)	Description
VTHDJL	31 x 170mm	1.0	Left Hand
VTHDJR	31 x 170mm	1.0	Right Hand

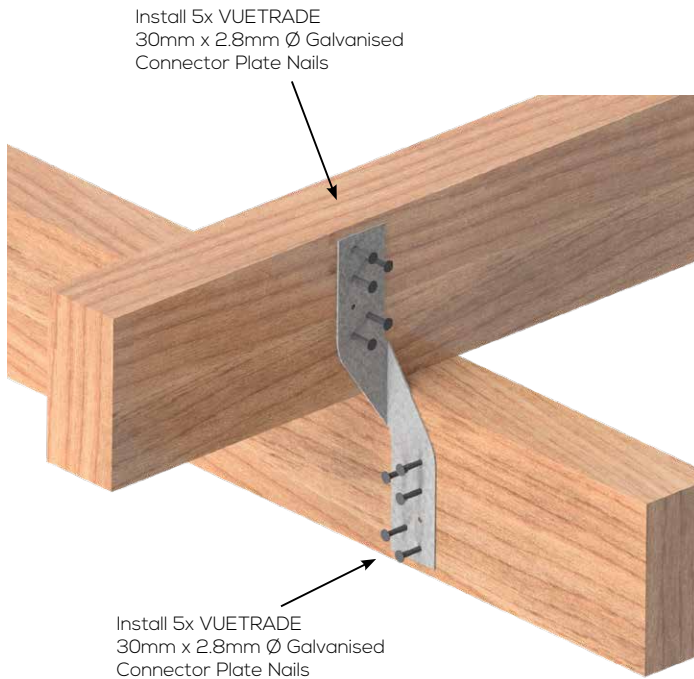




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INSTALLATION GUIDE



- To achieve the design capacity as tabulated in Table 1, it is recommended that a minimum of 5x VUETRADE 30mm x 2.8mm Ø Galvanised Connector Plate Nails are used in each leg of the Heavy Duty Joist Strap.



DESIGN CAPACITY

Table 1: VUETRADE Heavy Duty Joist Straps design capacity data

Load Directions	Design Capacity for Timber Joint Groups, kN					
	J3	J4	J5	JD3	JD4	JD5
Dead Load, 1.35G	1.7	1.2	0.9	2.5	1.8	1.4
Dead & Floor Live Loads 1.2G+1.5Qf	2.1	1.4	1.1	3.0	2.2	1.8
Dead & Roof Live Loads 1.2G+1.5Qr	2.3	1.6	1.2	3.4	2.4	2.0
Wind Uplift	3.4	2.4	1.8	5.0	3.6	2.9

NOTES:

- Design capacities in Table 1 are based on installing 5x VUETRADE 30mm x 2.8mm Ø Galvanised Connector Plate Nails on each end of the Heavy Duty Joist Strap only.
- For added strength, additional nails may be installed into pre-bored holes located at the lower leg of the Heavy Duty Joist Strap. NEVER punch nails through sheet metal as it may result in weaker, non-compliant connections.
- Modification factors k_1 for different load cases are adopted from AS1720.1-2010.
- Design capacities in Table 1 are based on Category 1 joints where it is applicable for failures that would be unlikely to affect an area of greater than 25m². For Category 2 and Category 3 joints, design capacities from the table are multiplied by 0.941 and 0.882 respectively.
- Design capacities can be doubled by utilising VUETRADE Heavy Duty Joist Straps as a pair (left and right hand) for a single joint.

