

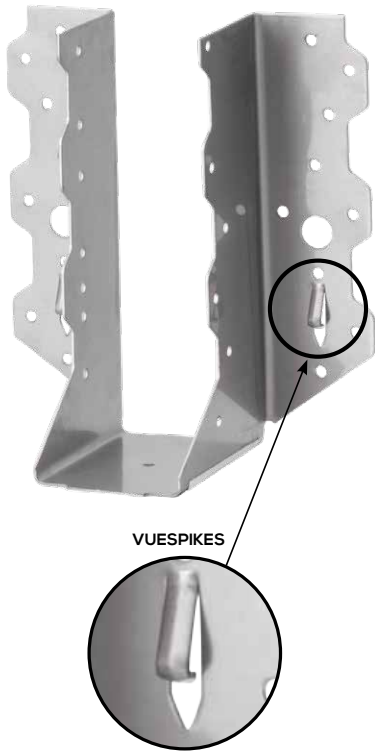


# STAINLESS STEEL JOIST HANGERS

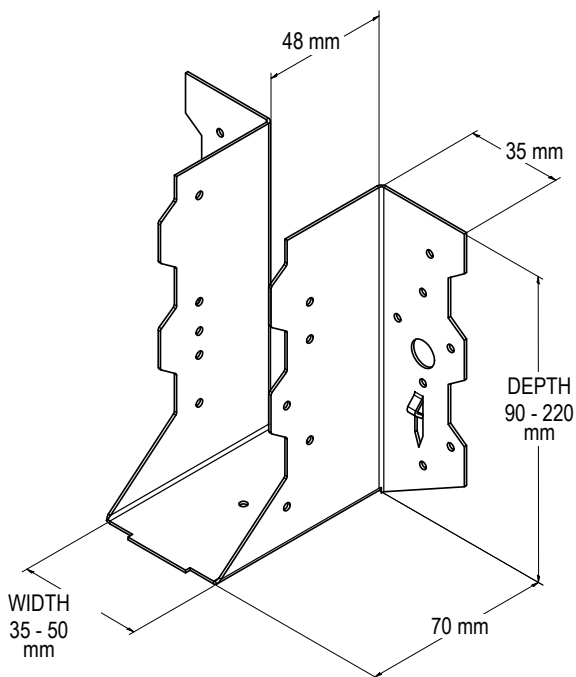
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Compliant with the requirements of AS1684 and AS1720. Designed and tested to AS1649.

**316 STAINLESS STEEL**



VUESPIKES



## APPLICATION

VUETRADE Stainless Steel Joist Hangers are a fast fixing, multi-purpose hangers for connecting joists to beams, trusses to beams and roof trusses to girders. The Joist Hangers are manufactured with VUESPIKES for easy and fast installation.

## SPECIFICATION

VUETRADE Stainless Steel Joist Hangers are manufactured from 316 Stainless Steel in 1.0 mm thickness (TCT).

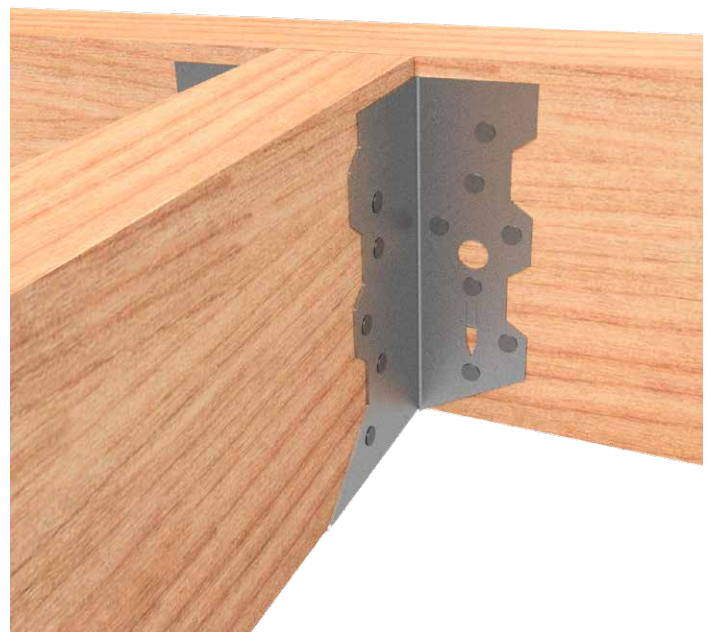
## FASTENERS

**Nails:** Use only VUETRADE 30mm x 2.8mm Ø Stainless Steel Connector Plate Nails

## SIZES

Table 1: Stainless Steel Joist Hanger sizes

Product Code	Nominal Size (mm)	Box Qty
VJH3590SS	35 x 90	45
VJH35120SS	35 x 120	30
VJH35140SS	35 x 140	30
VJH35180SS	35 x 180	30
VJH4590SS	45 x 90	45
VJH45120SS	45 x 120	30
VJH45140SS	45 x 140	30
VJH45180SS	45 x 180	30
VJH45220SS	45 x 220	20
VJH5090SS	50 x 90	45
VJH50120SS	50 x 120	30
VJH50140SS	50 x 140	30
VJH50180SS	50 x 180	30
VJH50220SS	50 x 220	20



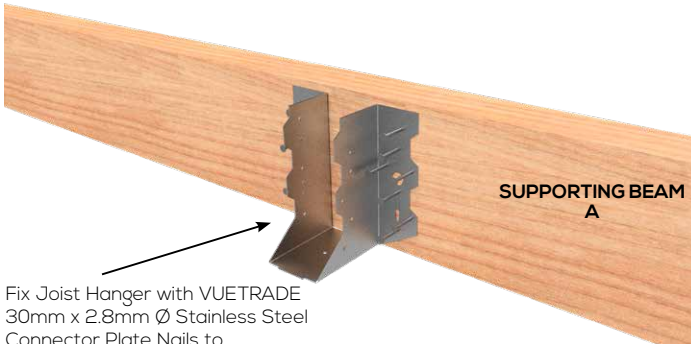
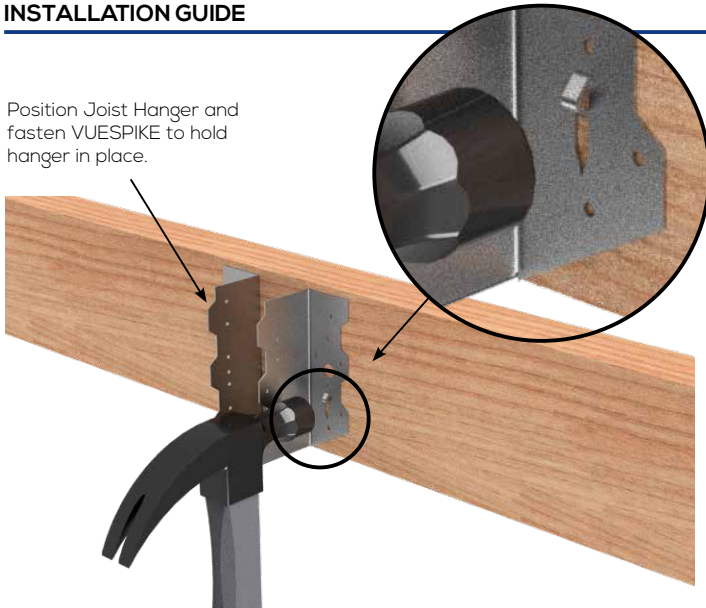


**STAINLESS STEEL JOIST HANGERS**

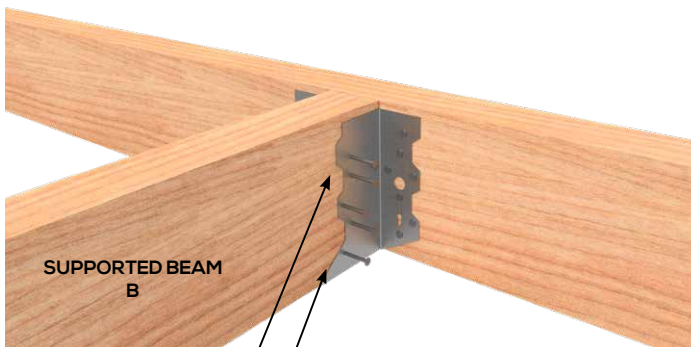
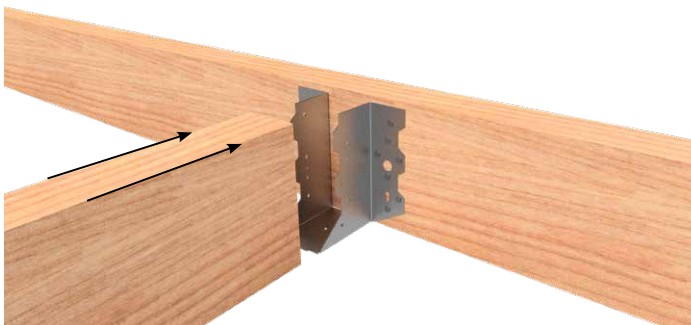
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**INSTALLATION GUIDE**

Position Joist Hanger and fasten VUESPIKE to hold hanger in place.



Fix Joist Hanger with VUETRADE 30mm x 2.8mm Ø Stainless Steel Connector Plate Nails to supporting beam A



Fix supported beam B to Joist Hanger with VUETRADE 30mm x 2.8mm Ø Stainless Steel Connector Plate Nails

1. Suitable size Joist Hanger shall be selected using Table 1, ensuring sufficient hanger depth is provided for different joist / beam sizes.
2. Joist Hanger should be fixed to the supporting member first. It can be quickly and easily held in place by VUESPIKES before fastening hanger with nails.
3. Fix VUETRADE 30mm x 2.8mm Ø Stainless Steel Connector Plate Nails through Joist Hanger to supporting beam, using the recommended number of nails in Table 2.
4. Install supported beam (usually floor beams / joists) to hangers and fasten supported beams with VUETRADE 30mm x 2.8mm Ø Stainless Steel Connector Plate Nails, using recommended number of nails listed in Table 2.
5. Installation of bolts on Joist Hangers is permitted. Please contact VUETRADE for more information for risks and considerations along with installation guide and design capacities.
6. Usage of galvanised nails with Stainless Steel Joist Hangers may result in bimetallic corrosion which will reduce the joist design capacity.





## STAINLESS STEEL JOIST HANGERS

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### DESIGN CAPACITY DATA

Table 2: Design Capacity data for nail fixing of Stainless Steel Joist Hanger

Sizes	Number of Nails		Type of load	Joint Group					
	Fixing on supporting Beam A	Fixing on supported Beam B		J3	J4	J5	JD3	JD4	JD5
90mm	10	8	Dead Load	3.9	2.7	2.1	5.4	3.9	3.2
			Dead Load + Floor Live Load	4.7	3.3	2.5	6.5	4.7	3.8
			Dead Load + Roof Live Load	5.2	3.7	2.8	7.3	5.2	4.3
			Dead Load + Wind Load	6.2	4.4	3.3	8.7	6.2	5.1
120mm	14	10	Dead Load	4.8	3.4	2.5	7.1	5.0	4.1
			Dead Load + Floor Live Load	5.8	4.1	3.1	8.5	6.1	5.0
			Dead Load + Roof Live Load	6.4	4.5	3.4	9.5	6.8	5.6
			Dead Load + Wind Load	7.7	5.5	4.1	10.8	7.7	6.3
140mm	18	12	Dead Load	5.8	4.1	3.1	8.9	6.4	5.2
			Dead Load + Floor Live Load	7.1	5.0	3.8	10.8	7.7	6.3
			Dead Load + Roof Live Load	7.9	5.6	4.2	12.0	8.6	7.1
			Dead Load + Wind Load	8.6	6.1	4.6	11.4	8.2	6.7
180mm	22	14	Dead Load	6.8	4.8	3.6	10.7	7.7	6.3
			Dead Load + Floor Live Load	8.2	5.8	4.4	13.0	9.3	7.6
			Dead Load + Roof Live Load	9.2	6.5	4.9	14.5	10.3	8.5
			Dead Load + Wind Load	9.1	6.4	4.9	13.9	9.9	8.1
220mm	26	18	Dead Load	7.9	5.6	4.2	12.4	8.9	7.3
			Dead Load + Floor Live Load	9.6	6.8	5.1	15.1	10.8	8.8
			Dead Load + Roof Live Load	10.7	7.5	5.7	16.8	12.0	9.8
			Dead Load + Wind Load	12.6	8.9	6.7	16.0	11.4	9.4

### NOTES:

- Modification factors  $k_1$  for different load cases in the design capacities of Table 2 are adopted from AS1720.1-2010.
- Design capacities in Table 2 are based on Category 1 joints where it is applicable for failures that would be unlikely to affect an area of greater than 25m<sup>2</sup>. For Category 2 and Category 3 joints, design capacities from the table are multiplied by 0.941 and 0.882 respectively.
- VUETRADE strongly recommends all timber connector products are installed as per the installation instructions on the relevant Technical Data Sheet, using the recommended type and quantity of fasteners.
- It is critical to confirm that any fastening method is in accordance with local building standards. For further information on installation options, refer to the VUETRADE Technical Guidelines on Fastening Methods.

