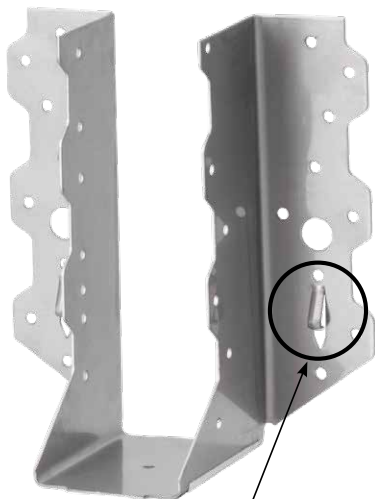




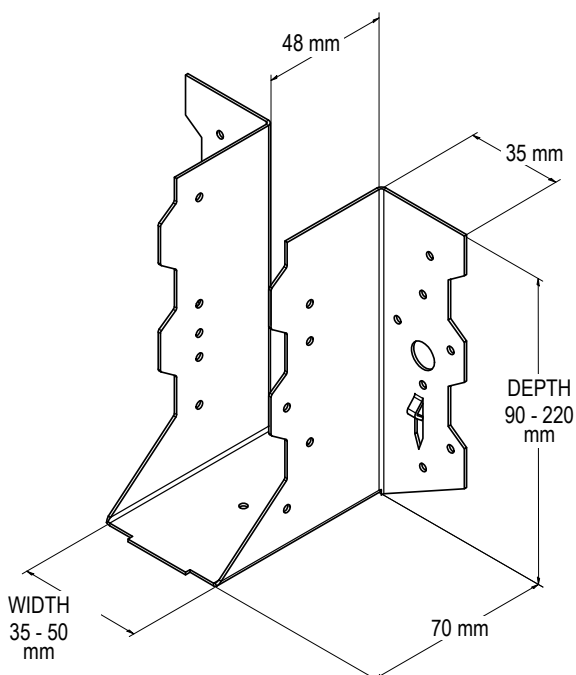
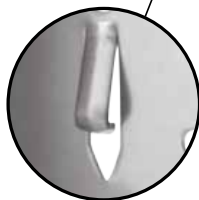
# STAINLESS STEEL JOIST HANGERS

SEP26

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



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).

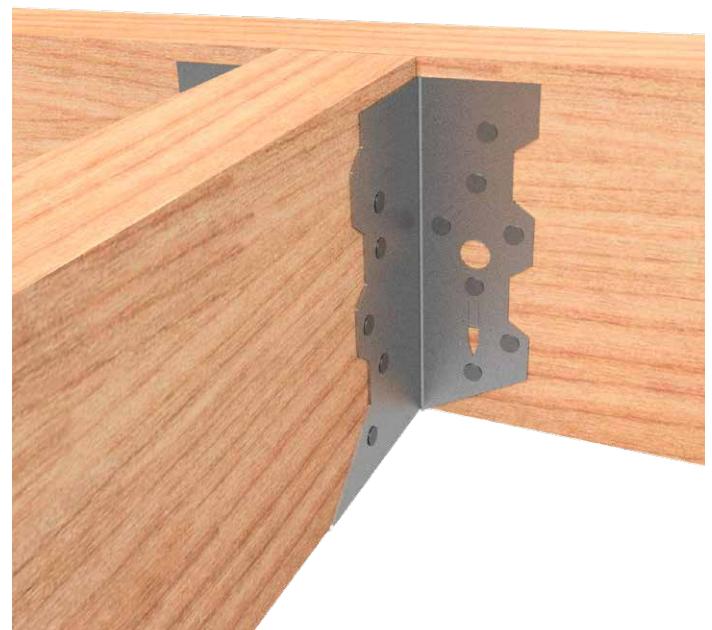
## FASTENERS

**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      |



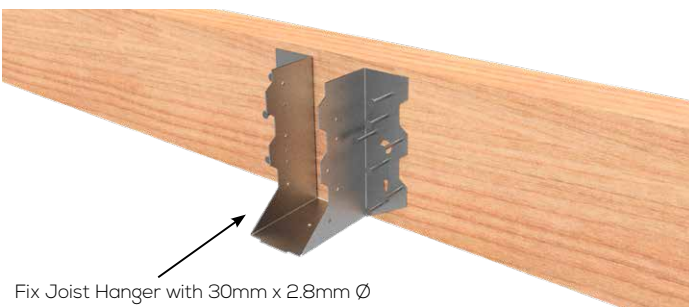
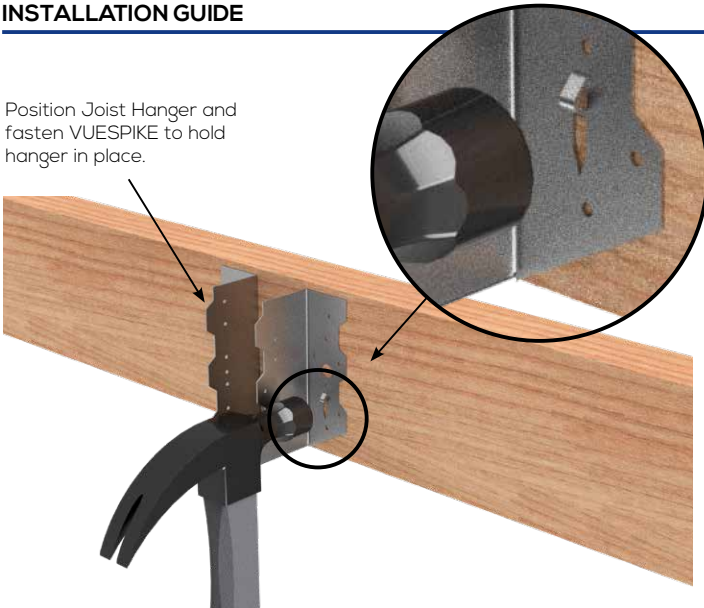


## STAINLESS STEEL JOIST HANGERS

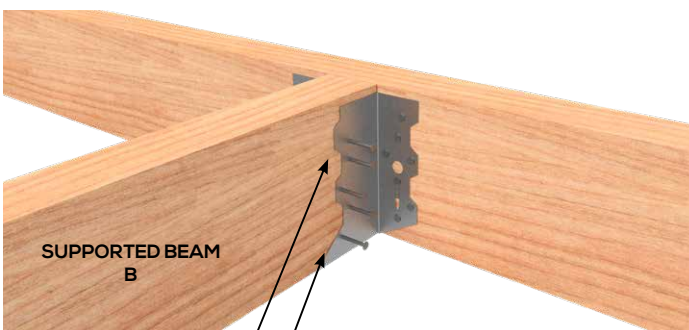
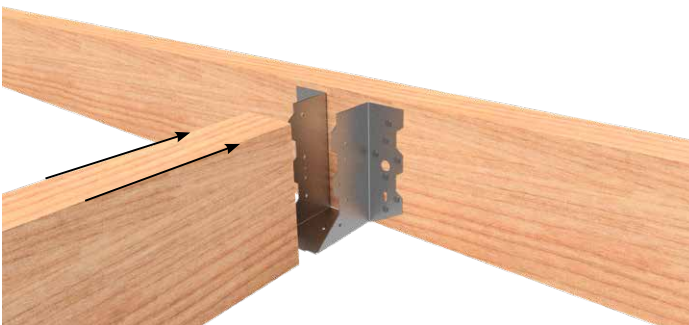
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### INSTALLATION GUIDE

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



Fix Joist Hanger with 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 fixings listed 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 the recommended number of fixings listed in Table 2.
5. 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:

- Capacities tabulated above are for supporting beam (Beam A) to be minimum of 35mm thickness.
- 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.
- Ensure that the Joist Hanger covers at least 60% of the depth of the supported member, unless additional lateral restraint on the top of supported member is provided.
- Supporting beams/trusses made from multiple ply must be laminated and fastened together as per AS1684. Alternative fixing to laminate multiple ply beams/trusses shall be provided by relevant engineering authorities.
- 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.

