



# GALVANISED TRIPLE GRIPS

JUN23

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

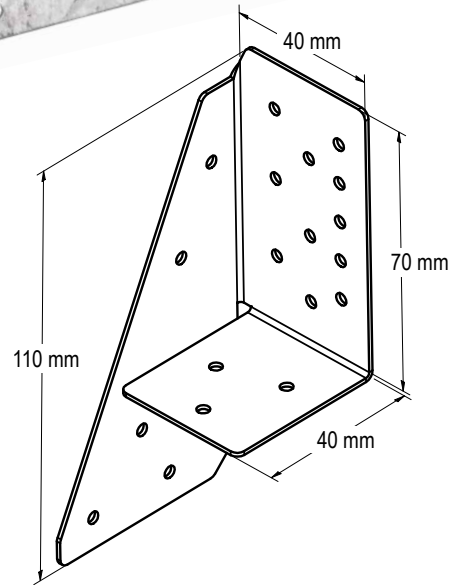
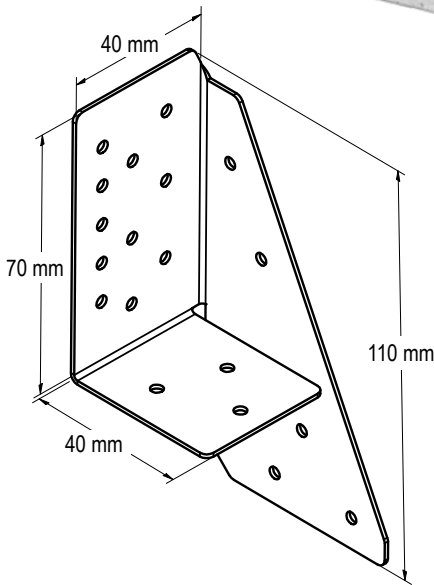
**G GALVANISED**



VTTGLH



VTTGRH



## APPLICATION

VUETRADE Galvanised Triple Grips are used in nail fixed timber joints, mainly for ones that are perpendicular to each other.

## SPECIFICATION

VUETRADE Galvanised Triple Grip are manufactured from G300 Z275 galvanised steel in 1.0mm thickness.

## FASTENERS

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

Recommended numbers of nails per bracket / joint are showed in the next section.

Note: Triple grips shall only be hand driven, usage of nail guns and machine-driven nails is strictly NOT recommended.

## SIZES

| Product Code | Description | Box Qty |
|--------------|-------------|---------|
| VTTGLH       | Left Hand   | 100     |
| VTTGRH       | Right Hand  | 100     |

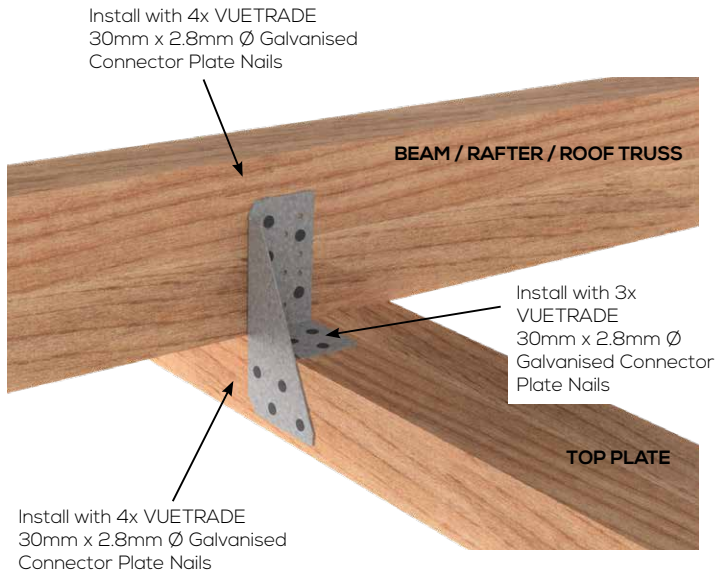




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**INSTALLATION GUIDE**



1. Use only VUETRADE 30mm x 2.8mm Ø Galvanised Connector Plate Nails when installing Galvanised Triple Grips.
2. Install nails through designated holes, do not drive nails through sheet material.
3. Usage of stainless steel nails with Galvanised Triple Grips may result in bimetallic corrosion which will reduce the grip design capacity.



**DESIGN CAPACITY DATA**

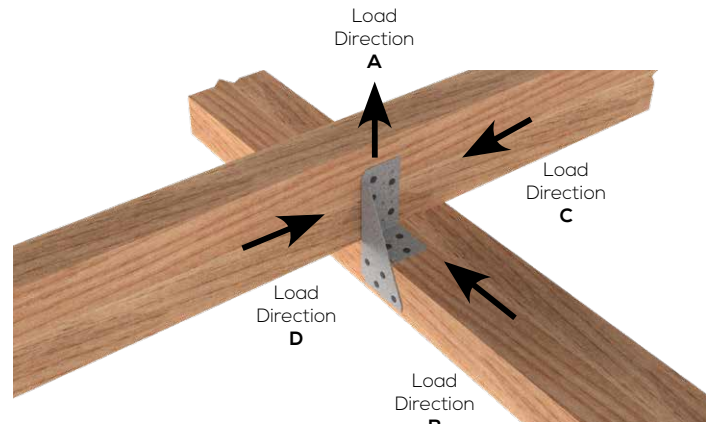


Table 1: Design Capacity for dead loads

| Load Directions | Design Capacity for Timber Joint Groups, kN |     |     |     |     |     |
|-----------------|---|-----|-----|-----|-----|-----|
|                 | J3  | J4  | J5  | JD3 | JD4 | JD5 |
| <b>A</b>        | 1.5   | 1.1 | 0.8 | 2.2 | 1.5 | 1.3 |
| <b>B</b>        | 2.7   | 1.9 | 1.4 | 3.8 | 2.7 | 2.2 |
| <b>C/D</b>      | 1.5   | 1.1 | 0.8 | 2.2 | 1.5 | 1.3 |

Table 2: Design Capacity for wind uplifts

| Load Directions | Design Capacity for Timber Joint Groups, kN |     |     |     |     |     |
|-----------------|---|-----|-----|-----|-----|-----|
|                 | J3  | J4  | J5  | JD3 | JD4 | JD5 |
| <b>A</b>        | 3.1   | 2.2 | 1.7 | 4.3 | 3.1 | 2.5 |
| <b>B</b>        | 5.4   | 3.8 | 2.9 | 7.6 | 5.4 | 4.4 |
| <b>C/D</b>      | 3.1   | 2.2 | 1.7 | 4.3 | 3.1 | 2.5 |

NOTES:

1. Modification factors  $k_1$  for different load cases are adopted from AS1720.1-2010.
2. Design capacities in the Table 1 & 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.
3. Design capacity for different load directions is shown in diagram above
4. To achieve greater design capacity, two Triple Grips may be used for a connection or more nails may be installed into the pre-bored holes.

