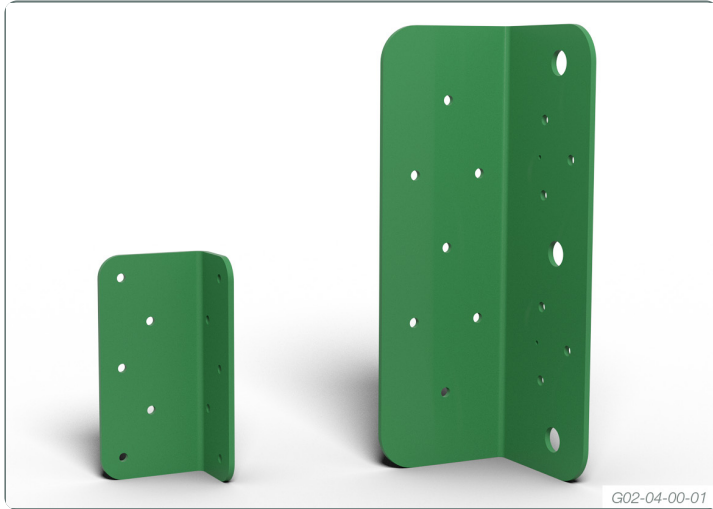


## Multi Angle Bracket



Universal connector used to simplify structural joining in timber roof, wall, ceiling and floor framing

Formed galvanised steel timber connectors ideal for:  
Fixing members and products at various angles.  
Fixing joist to beams at various angles.  
Fixing trusses to girders at various angles.

### APPLICATION

#### Supporting at angle

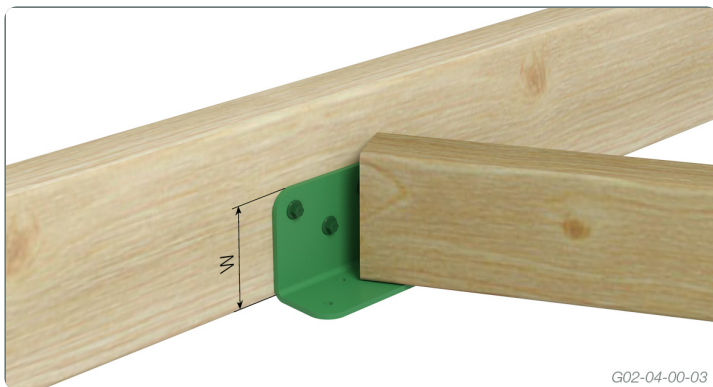
Attach Multi Angle to beam or girder truss with Green Tip #12 screws. Supporting member to be minimum 35mm deep. Notch out bottom of carried member 5 mm if required, and fit to Multi Angle with 1/ Number 12 counter-sunk screw from underneath minimum 35mm long.

#### Right Angle Support

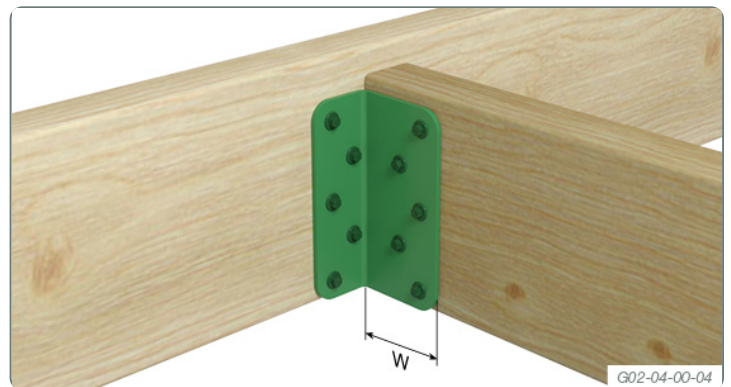
Butt members together and attach Multi Angle with Green Tip #12 screws in each member. Ensure adequate end distance is achieved by having long edge fixed to butt end.

Minimum timber edge distance for screws = 30mm

Minimum timber end distance for screws = 60mm



Supporting at angles



Right angle support

#### NOTES:

- Do not over tighten screws
- Pre-drill holes for hardwood
- Capacities can be doubled for 2 angles if supported member is greater than 70mm thick

**LIMIT STATE DESIGN LOADS**

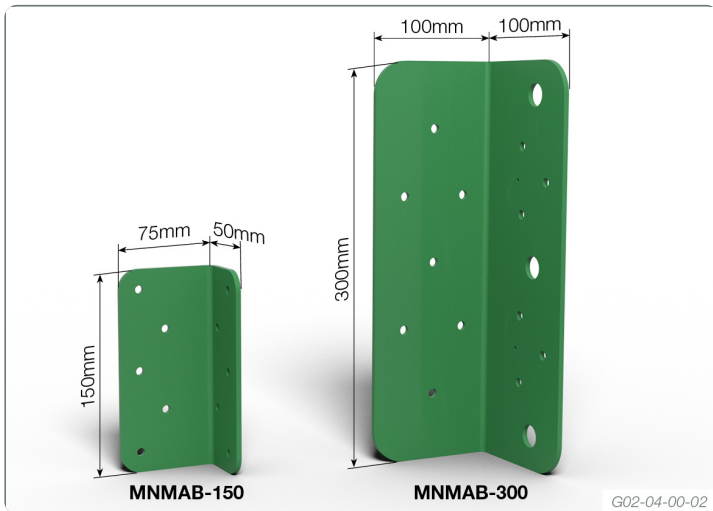
| Number Screws | Joint group | Capacity (kN) |                      |                     |                       |                                    |
|---------------|-------------|---------------|----------------------|---------------------|-----------------------|------------------------------------|
|               |             | Dead load     | Dead load + Floor LL | Dead Load + Roof LL | Dead Load + Wind Load | DL +WL for 1 screw from underneath |
| 5             | <b>JD3</b>  | 8.6           | 10.4                 | 11.6                | 17.3                  | 2.5                                |
|               | <b>JD4</b>  | 6.1           | 7.4                  | 8.2                 | 12.2                  | 1.9                                |
|               | <b>JD5</b>  | 4.3           | 5.2                  | 5.8                 | 8.6                   | 1.5                                |
| 6             | <b>JD3</b>  | 10.3          | 12.5                 | 14.0                | 20.7                  | 2.5                                |
|               | <b>JD4</b>  | 7.3           | 8.9                  | 9.9                 | 14.7                  | 1.9                                |
|               | <b>JD5</b>  | 5.2           | 6.3                  | 7.0                 | 10.4                  | 1.5                                |

**NOTES:** The uplift in capacities are derived from AS1720-2010 and are for houses where failure is unlikely to affect an area greater than 25m<sup>2</sup>. For primary elements in structures other than houses or elements in a house for which failure would be greater than 25m<sup>2</sup> these capacities must be multiplied by 0.94. For primary joints in essential services or post disaster buildings multiply by 0.88.

**DESCRIPTION AND PACKAGING**

Manufactured from 4.0mm Galvanised G300

| Description  | Product Code | Reference Code | Quantity | Carton kg. |
|--|--------------|----------------|----------|------------|
| W x D x H  |              |                |          |            |
| 75 x 50 x 150 x 4mm  | MNMAB-150    | MAB-150        | 1        | 0.5        |
| 100 x 100 x 300 x 4mm  | MNMAB-300    | MAB-300        | 1        | 1.7        |
| 35mm Green Tip #12 Screw (TA221), 65mm Green Tip #12 Screw (TA222) |              |                |          |            |



Due to continual product improvement Multinail Australia Pty Ltd. reserves the right to change the product/s depicted - both in description and specification. This document has to be read in conjunction with Multinail's Technical Manual.