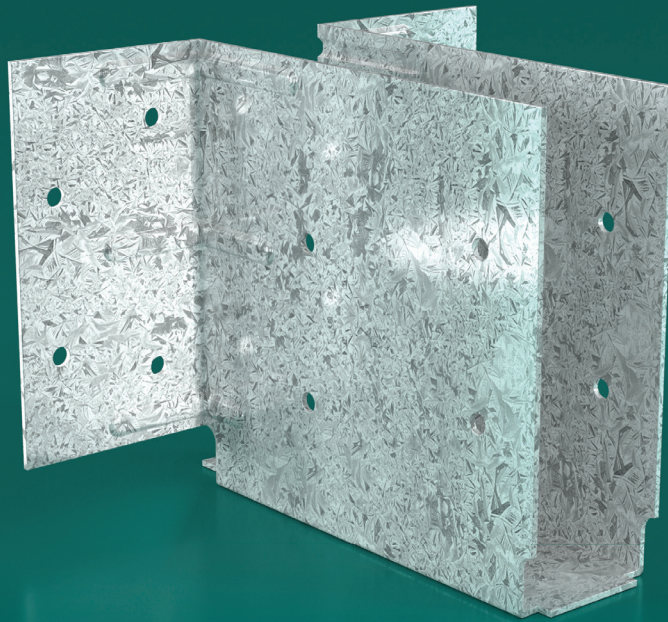


# Multinail Easy Fix Girder Bracket



Steel girder brackets for easy fixing of timber roof trusses or rafters to timber girder trusses or timber beams - without the need for bolts, nuts or washers.

## Benefits of Easy Fix Girder Bracket

These pre-punched and formed galvanised steel girder brackets are:

- Ideal for supporting timber roof trusses or rafters
- Made in Australia

## Installation

1. Mark the location of Easy Fix Girder Bracket on the bottom chord of girder truss. Ensure a minimum bottom chord depth of 120mm is achieved.
2. Position Easy Fix Girder Bracket against bottom chord of girder truss. Apply 8 x Green Tip #12 screws (4 per side).
  - For single girder truss (35mm & 45mm) – use 8 x 35mm Green Tip screws.
  - For double girder truss (2/35mm) – use 8 x 65mm Green Tip screws.
  - For double girder truss (2/45mm) & triple girder truss (3/35mm) – use 8 x 65mm Green Tip #12 screws + 2/100mm Black Tip #14 screws each side of bracket.
3. Install supported truss into bracket and ensure the truss is hard up against girder truss. Apply 8 x Green Tip #12 screws (4 per side).
  - Single supported truss (35mm & 45mm) – use 8 x 35mm Green Tip #12 screws.

### Note:

- **Do not** overtighten the screws. **Do not** use power drills which providing excessive torque. It may damage screws or bracket and potentially split the timber chord.
- Multinail recommends using powered screwdrivers to install screws. Screws must be fixed at 90° angle to Easy Fix Girder Bracket in one action till achieving full thread embedment.
- Pre-drill the holes for all screws where hardwood bottom chord is designed for girder truss.
- All screws must be installed properly and secured tightly before roofing material is loaded on roof trusses to avoid rotation.
- Multinail only certifies Easy Fix Girder Bracket with Multinail Green Tip #12 screws and Black Tip #14 screws being applied.

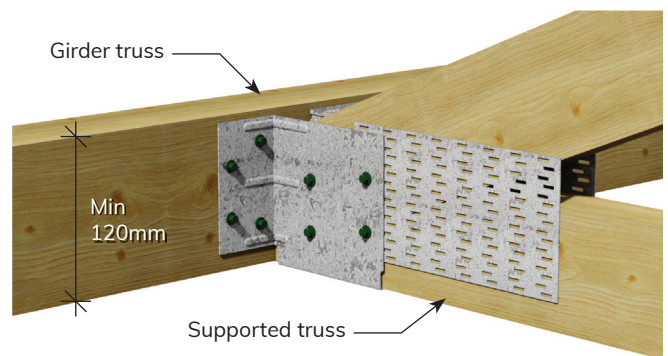


Figure 1: Easy Fix Girder Bracket

## Limit State Design Loads

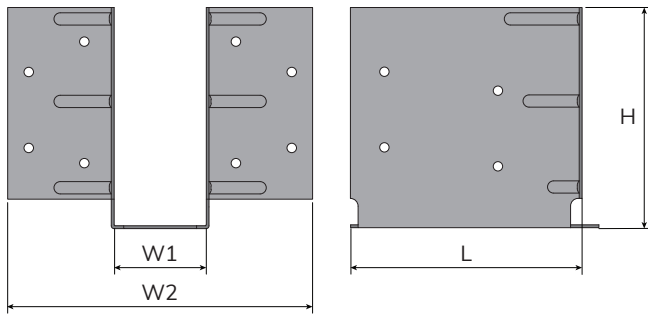
Timber Joint Group	Green Tip #12 Screws (kN)		
	Dead Load	Dead Load + Live Load	Dead Load + Wind Load
JD3	10.0	13.5	24.0
JD4	8.6	11.8	17.3
JD5	6.2	8.3	12.3

### Note:

Limit state design capacities are obtained from laboratory testing and derived from AS1720.1 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.

# Technical Specifications

Steel Z275, 1.5mm Thickness



Product Code	W1 mm	W2 mm	L mm	H mm
TA225	40	160	123	118
TA226	50	165	123	111
TA225W	40	160	123	118

# Description and Packing

Product Code	Description	Carton Qty	Pallet Qty	Carton kg.
TA225	40mm	24	48	13.0
TA226	50mm	24	48	13.0
TA225W	40mm - No Tab	24	48	13.0

\*Order Easy Fix Girder Bracket and Bailey Bracket in pairs.

## Fixings



Note: Must order appropriate quantity of Green Tip #12

TA221	35mm Green Tip Screw
TA222	65mm Green Tip Screw
TA237	100mm Black Tip #14 Screw



Personalised. Local. Progressive.

**Multinail Australia Pty. Ltd.**

155 Burnside Road, Stapylton

QLD 4207, Australia

Phone: +61 (0)7 3297 3250

Email: [enquiry@multinail.com](mailto:enquiry@multinail.com)

[www.multinail.com.au](http://www.multinail.com.au)