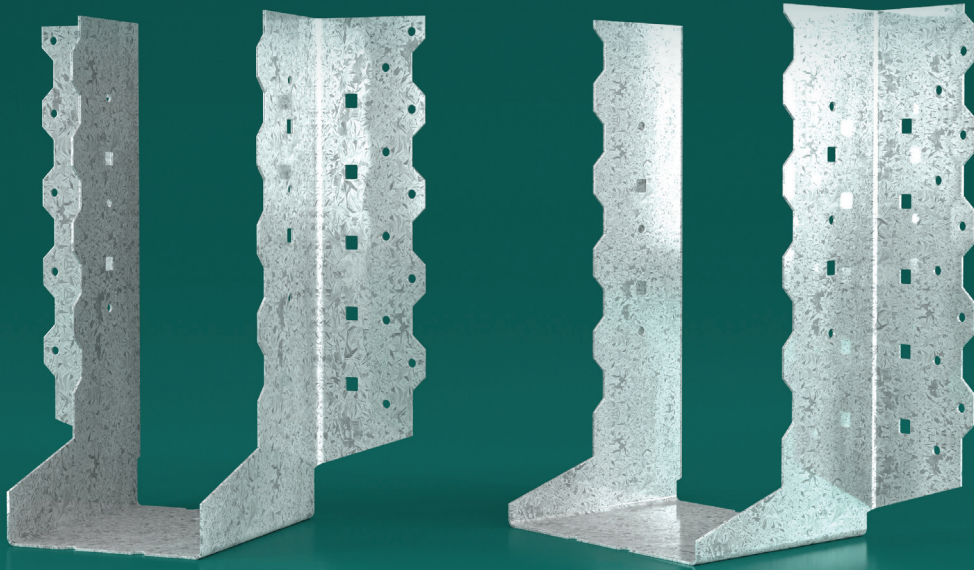


# Multinail Strut Hanger



Multinail Strut Hanger has been specially designed for use with SpanJoist, EcoJoist®, MultiStrut and SteelWood® floor joists.

## Benefits of Strut Hanger

Versatile joist fixing solution engineered to provide an economical and effective means for fixing floor joists to bearers where face fastening is required.

- Fastens SpanJoist, EcoJoist®, MultiStrut and SteelWood® floor joists to the face of beams
- Fast and easy fixing methods with both nail and screw options
- Available in a range of sizes to suit typical timber dimensions
- Formed from prime quality galvanised steel
- Made in Australia

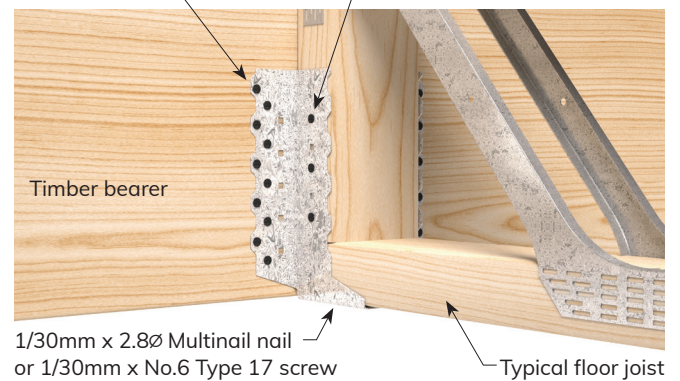
## Installation – Nail Option

1. Mark the location of Strut Hanger on the bearer or beam.
2. Position Strut Hanger against bearer and fix all round holes with total of 20/30mm x  $\varnothing$ 2.8 Multinail nails.
3. Fit floor joists hard against the bearer or beam and fix all round holes with total of 6/30mm x  $\varnothing$ 2.8 Multinail nails to MultiStrut joist, EcoJoist®, SteelWood® joist or SpanJoist.
4. Secure floor joist to Strut Hanger with 1/30mm x 2.8 $\varnothing$  Multinail nail or 1/30mm x No.6 Type 17 screw underneath.

**Figure 1**

Fix all round holes with total of 20/30mm x  $\varnothing$ 2.8 Multinail nails to bearer

Fix all round holes with total of 6/30mm x  $\varnothing$ 2.8 Multinail nails to floor joist



## Installation – Screw Option

1. Mark the location of Strut Hanger on the bearer or beam.
2. Position Strut Hanger against bearer and fix all square holes with total of 10/35mm Green Tip #12 screws.
3. Fit floor joists hard against the bearer or beam and fix all square holes with total of 4/35mm Green Tip #12 screws to MultiStrut joist, EcoJoist®, SteelWood® joist or SpanJoist.
4. Secure the floor joist to Strut Hanger with 1/30mm x 2.8 $\varnothing$  Multinail nail or 1/30mm x No.6 Type 17 screw underneath.

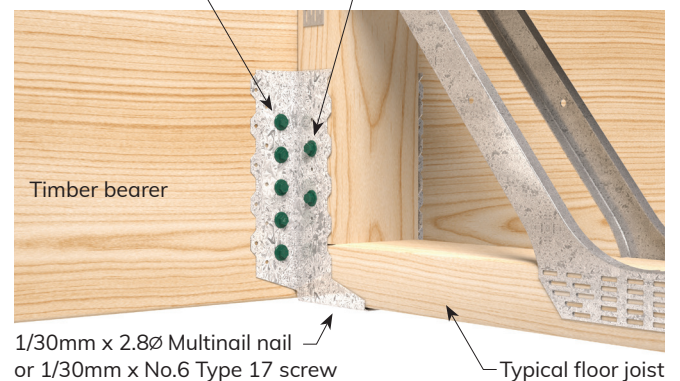
**Note:**

For timber bearer or beam where thickness is greater than 70mm, use 65mm Green Tip #12 Screws at bearer or beam support.

**Figure 2**

Fix all square holes with total of 10/35mm Green Tip #12 screws to bearer

Fix all square holes with total of 4/35mm Green Tip #12 screws to floor joist



## Limit State Design Capacity – Nail & Screw Options

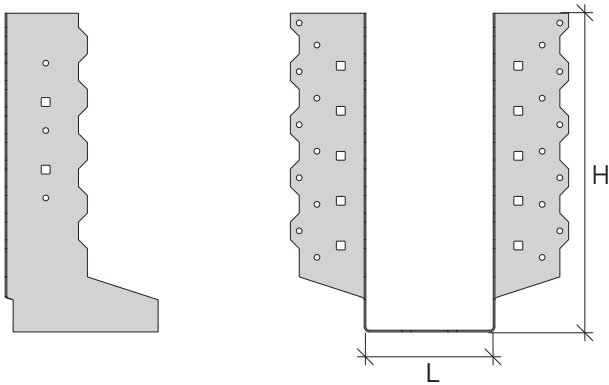
Timber Joint Group	20/2.8 $\varnothing$ Multinail nails or 10/Green Tip #12 screws (kN)			6/2.8 $\varnothing$ Multinail nails or 4/Green Tip #12 screws (kN)
	Dead Load	Dead Load + Floor Live Load	Dead Load + Roof Live Load	Dead Load + Wind Load
JD3	9.7	11.8	13.1	6.5
JD4	7.0	8.4	9.4	4.6
JD5	5.7	6.9	7.7	3.8

**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** G300 Steel, Z275, 1mm Thickness



## Description and Packing

Product Code	Description H x L x H	Carton Qty	Pallet Qty	Carton kg.
TA019	180 x 70 x 180	30	50	12.8
TA027	180 x 90 x 180	30	50	12.8

Fixings		
TA302	30mm x 2.8Ø Multinail Nails	
TA221	35mm Green Tip Screw	
TA222	65mm Green Tip Screw	



Personalised. Local. Progressive.

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