

Multinail Roof Bracing



Pre-punched and formed galvanised steel tension bracing system designed to brace roof trusses and wall frames.

Benefits of Roof Bracing

This pre-punched and formed galvanised steel brace:

- Is applied to roof trusses or wall frames, providing a quick and simple fixing
- Requires no turn buckle or tensioning device
- Ideal for use in all wind speeds including cyclonic areas
- Made in Australia

Roof Bracing with Rafters and Trusses

Roof bracing is a pre-punched 'V' shaped component that is applied in opposing direction, often in an "X" or "V" pattern to the top of the top chord to firmly brace roof trusses to the building frame, to prevent buckling or rotation of trusses when affected by winds or heavy loads. No turn buckle or tensioning device is needed.

The layout and tie-down of the Roof Bracing are specified in Multinail's 'The Guide', AS4440 or AS1684, depending on the span and shape of the roof.

Figure 1-3 show some common typical details of Roof Bracing to rafters or trusses.

For more information on bracing requirements and special fixing details, i.e. half trusses, cantilevers etc., please refer to Multinail's 'The Guide', AS4440 or AS1684.

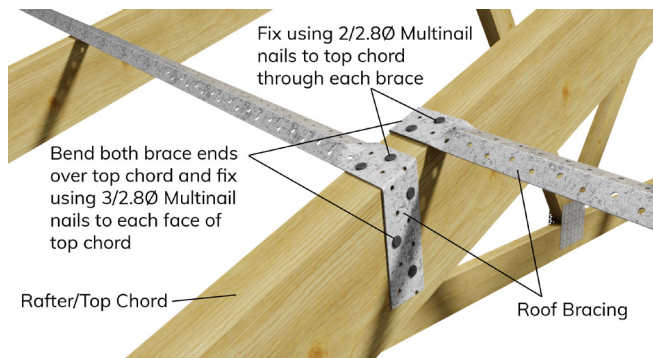


Figure 1: Splicing Detail



Figure 2: Heel End Fixing Detail

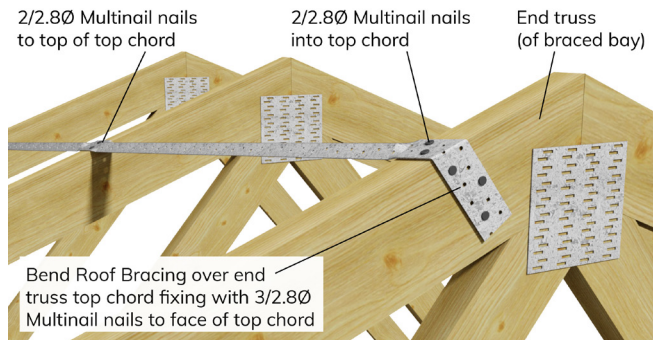


Figure 3: End Fixing Detail

Design loads

Size(mm)	Tension Capacity (kN)
36 x 1.0	8.4

Roof Bracing in Wall Frames

Two individually cut pieces of Roof Bracing are required to brace a timber framed wall section. These pieces should overlap to form an 'X'.

1. Secure first end of one piece of bracing into position using 30mm x 2.8Ø Multinail galvanised reinforced head nails.
2. Stretch the Roof Bracing over the entire panel to be braced, ensuring the brace is taut.
3. Secure the second end while maintaining tension on the brace.
4. Repeat this procedure for the second piece of Roof Bracing, ensuring an 'X' is formed.
5. Fix T-Plate, Stud Tie or Nail On Stud Tie as required (refer to individual Multinail product brochures).

Please use the relevant Standards to determine the number, location and tie-down of bracing units. Bracing capacities stated are relevant for wall heights up to (and including) 2.7m. For wall heights greater than 2.7m, please refer to AS1684.

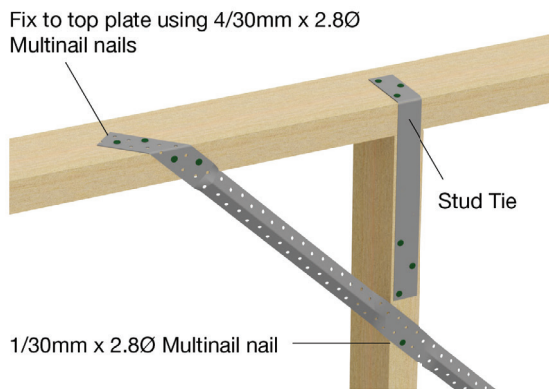


Figure 4: End Fixing Detail

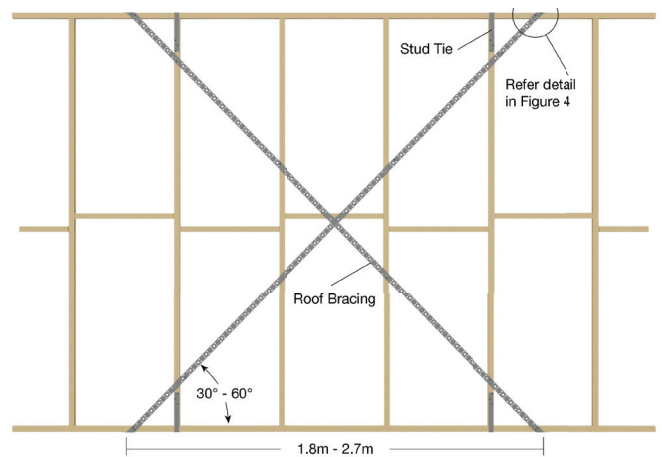


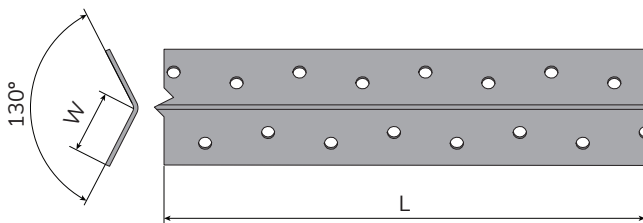
Figure 5: Elevation View

Design loads

Size(mm)	Tension Capacity (kN)
36 x 1.0	8.4

Technical Specifications

Steel	G300 Steel, Z275, 1mm Thickness
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Description and Packing

Product Code	Description W x W x T - L	Carton Qty	Pallet Qty	Carton kg.
TA0688	18 x 18 x 1mm - 3.0m	8	60	6.6
TA0818	18 x 18 x 1mm - 3.6m	8	60	7.9
TA0808	18 x 18 x 1mm - 4.0m	8	60	8.8
TA0798	18 x 18 x 1mm - 4.2m	8	60	10.5
TA0838	18 x 18 x 1mm - 4.8m	8	60	10.5
TA0788	18 x 18 x 1mm - 5.0m	8	60	11.0
TA0778	18 x 18 x 1mm - 5.4m	8	60	11.8
TA0768	18 x 18 x 1mm - 6.0m	8	60	13.0

Fixings		
TA302	30mm x 2.8Ø Multinail Nails	



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