

Multinail High Load Easy Grip



For connecting roof truss to metal frame with high tie down requirement.

Benefits of the High Load Easy Grip

These formed galvanised steel connectors are ideal for:

- Securing roof trusses to metal frames for structures located in regions subject to high wind loads
- Made in Australia

Installation

High Load Easy Grip is typically used in high-wind areas (e.g Cyclonic Regions) to connect roof trusses to steel wall frame with stiffened top plates for high uplift tie down requirement.

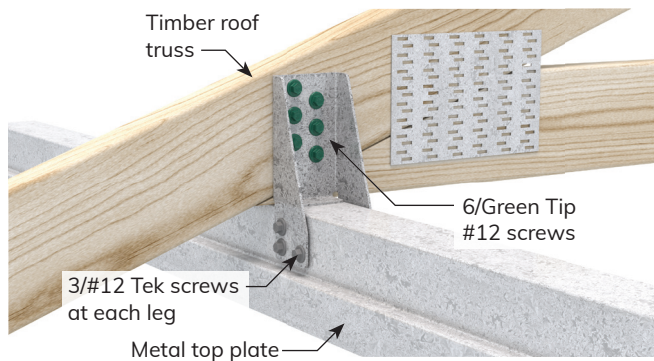


Figure 1: High Load Easy Grip fixed to stiffened metal top plate

Fixing

1. Fix High Load Easy Grip to roof truss with 6/Green Tip #12 screws.
2. Fix High Load Easy Grip to stiffened metal top plate with 3/#12 Tek screws at each leg.
3. Ensure total of 12/#12 screws are installed for each High Load Easy Grip at tie down location.

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.
- Minimum thickness of stiffened metal top plate shall be 1.6mm in G450 grade.
- High Load Easy Grip is NOT applicable to timber wall frames. Limit state design capacities listed in Table 1 applies to stiffened metal top plate only.

Limit State Design Capacity - Wind Uplift

Table 1: Limit State Design Capacities (kN) per High Load Easy Grip

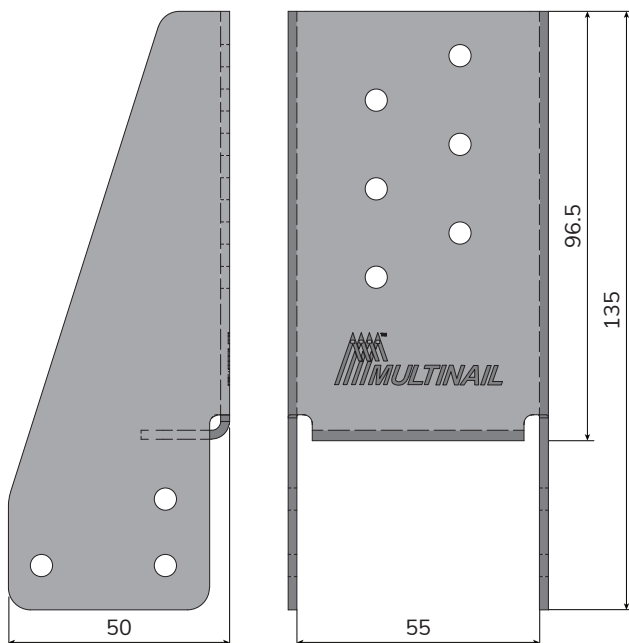
Timber Joint Group	Wind Uplift Capacity (kN)
JD3	24.9
JD4	17.6
JD5	12.4

Note:

Limit state design capacities are derived from AS4600 and AS1720.1 for houses where failure is unlikely to affect an area greater than 25m². For primary elements in structures other than houses or elements in a house for which failure would be greater than 25m² 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, 1.9mm Thickness



Description and Packing

Product Code	Description	Carton Qty	Pallet Qty	Carton kg.
HLEG	-	50	64	11.2

Fixings	
TA221	35mm Green Tip Screw
TA222	65mm Green Tip Screw



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