ENGINEERED BUILDING PRODUCTS

Universal
TRIP-L-GRIP

MiTek®

creating the **advantage**

THE VERSATILE TIMBER FRAMING ANCHOR

APPLICATION:

The Universal Trip-L-Grip has been developed as an economical connecting unit to simplify structural jointing in timber roof, wall, ceiling and floor framing. Universal Trip-L-Grips are the strongest and most economical anchorage for timber joints.

ADVANTAGES

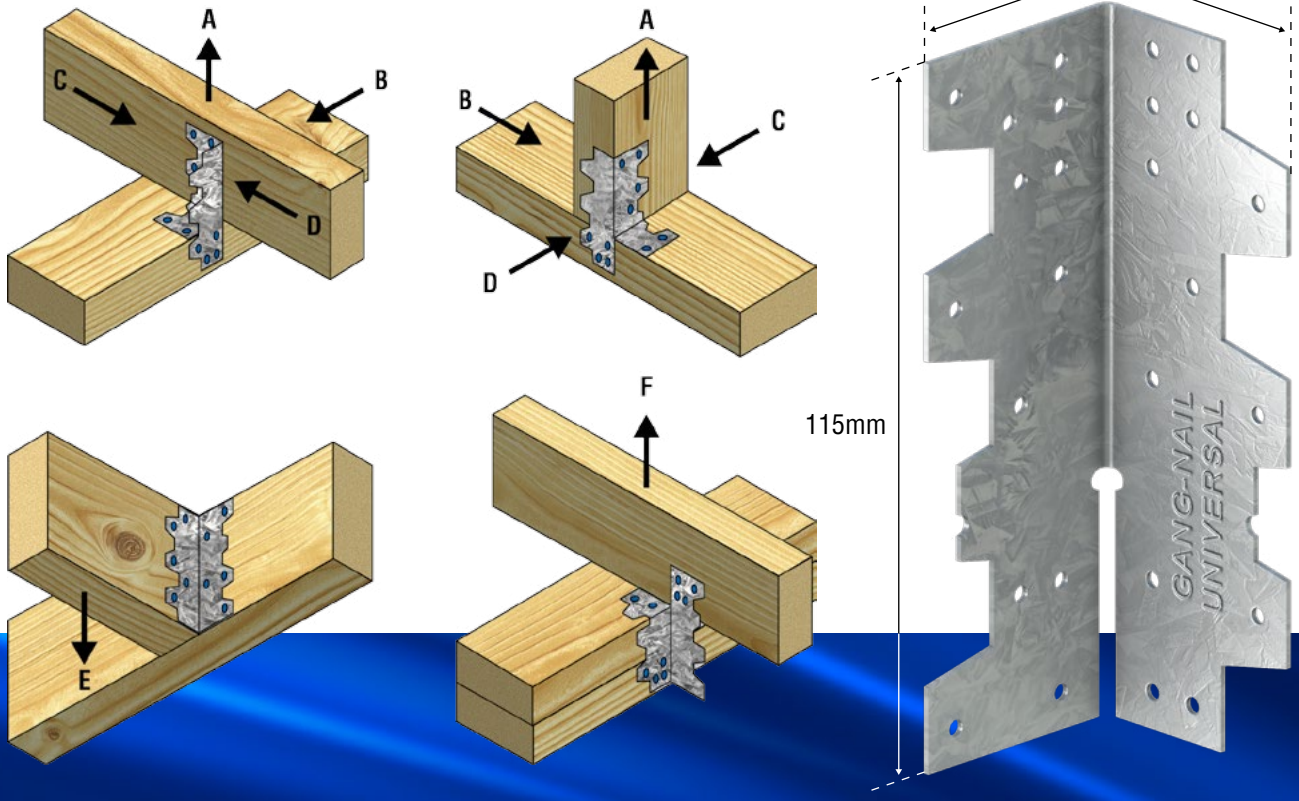
- Universal Trip-L-Grip can be formed by the builder on the job as required for various connections.
- The design incorporates fold points so that it can be bent on the job to suit any application.
- Universal Trip-L-Grip reduces the need for a variety of connectors because of its suitability for an extremely wide variety of applications.
- By eliminating notches, halved joints and other difficult and time consuming carpentry techniques, it is ideal for both the professional builder and home handyman.

SPECIFICATIONS:

Steel Grade	**G300**
Thickness (Total Coated)	**1.0mm**
Galvanized Coating	**Z275**
Nails	**MiTek 30 x 2.8mm hot dipped galvanized reinforced head.**
Product Code	**TGU**

This Engineered Building Product complies with the National Construction Code Series and Australian Standards.

LOAD DIRECTION



LOAD DATA

Limit State Design Capacity (kN)										
Load Direction	Load Case	Joint Group								
		J2	J3	J4	J5	J6	JD3	JD4	JD5	JD6
A	DL Only	2.1	1.6	1.1	0.9	0.6	2.1	1.6	1.3	1.0
	DL + WL	4.3	3.1	2.3	1.7	1.3	4.3	3.1	2.6	1.9
B	DL Only	3.1	2.3	1.7	1.3	0.9	3.1	2.3	1.9	1.4
	DL + WL	6.3	4.6	3.4	2.6	1.8	6.3	4.6	3.7	2.8
C / D	DL Only	2.1	1.6	1.1	0.9	0.6	2.1	1.6	1.3	1.0
	DL + WL	3.9	3.0	2.3	1.7	1.3	3.6	2.5	1.9	1.4
E	DL Only	2.4	1.7	1.3	0.9	0.6	2.4	1.7	1.4	1.0
	DL + Roof LL	3.3	2.3	1.7	1.2	0.8	3.3	2.3	1.9	1.4
	DL + WL	4.9	3.4	2.3	2.0	1.5	4.9	3.4	2.9	2.2
F	DL Only	1.0	0.7	0.5	0.4	0.3	1.0	0.7	0.6	0.4
	DL + WL	2.0	1.5	1.1	0.8	0.5	2.0	1.5	1.1	0.9

Values in this table incorporate the Category 1 capacity factor (Ø) for houses. For other categories, multiply the design capacities by the following factors. Refer to AS1720.1 for a full definition of each category.

Category	1	2	3
Adjustment factor	1.00	0.94	0.88

INSTALLATION

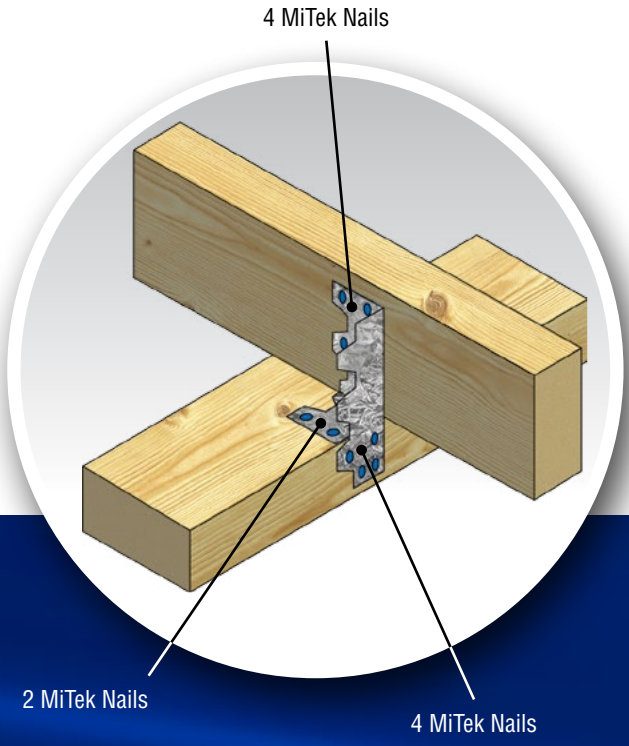
1. Fix 10 MiTek 30 x 2.8mm hot dipped galvanized reinforced head nails in positions shown according to connector orientation.

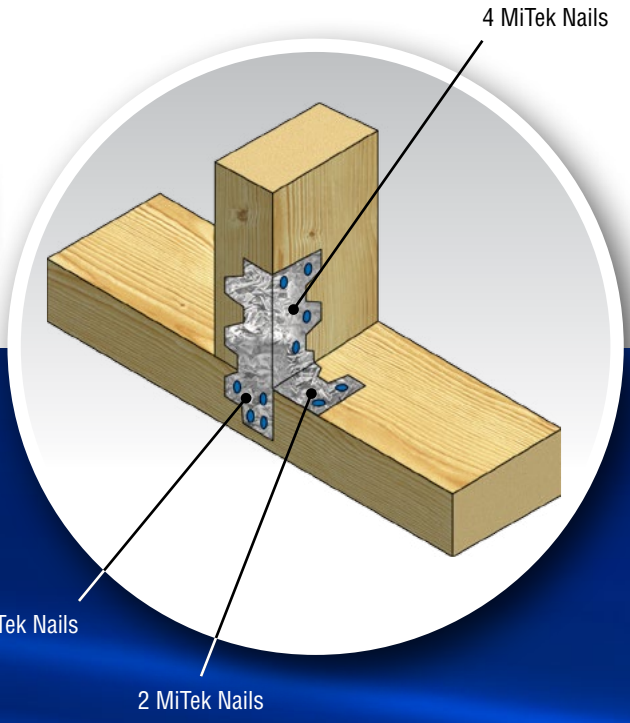
COMPLIANCE

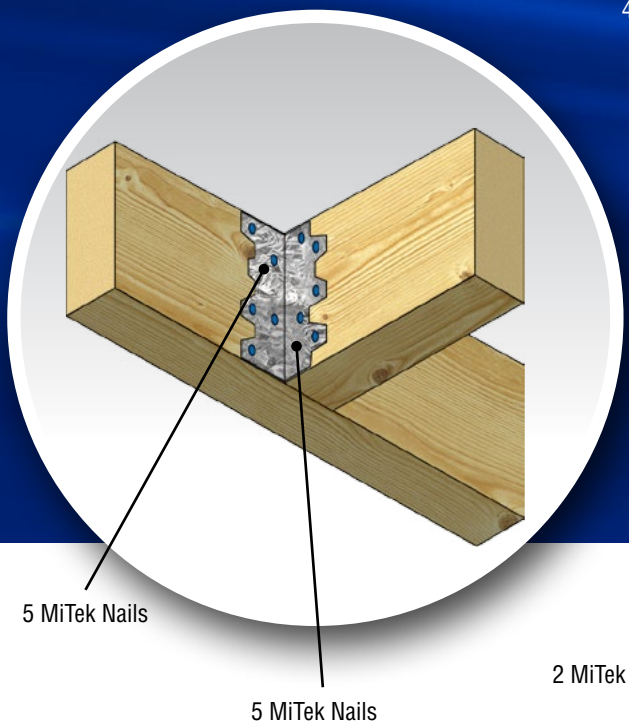
Universal Trip-L-Grip complies as a framing anchor and the corresponding alternative uplift capacities in AS1684 may be used in designs within the confines of this standard.

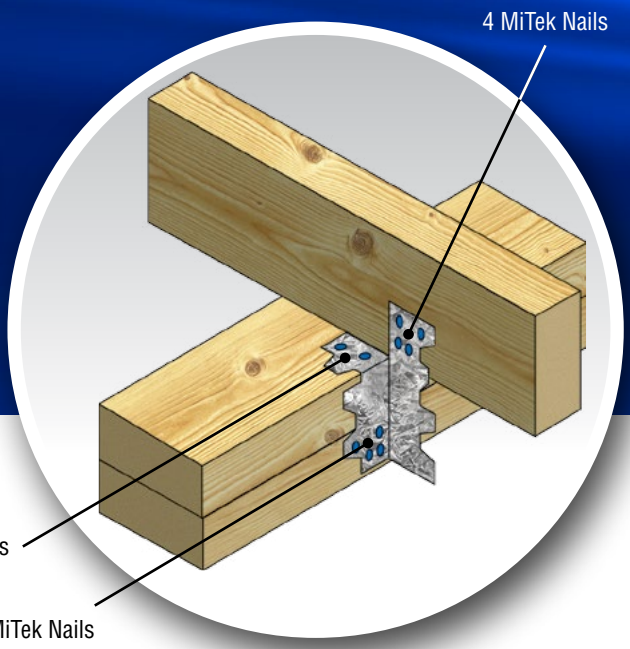
DESIGN LOADS

When fixed as shown the design capacities in different directions are given in the Table on page 3.









For more information about MiTek's Engineered Building Products or any other MiTek products or your nearest licensed MiTek fabricator, please call your local state office or visit: **mitek.com.au**

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