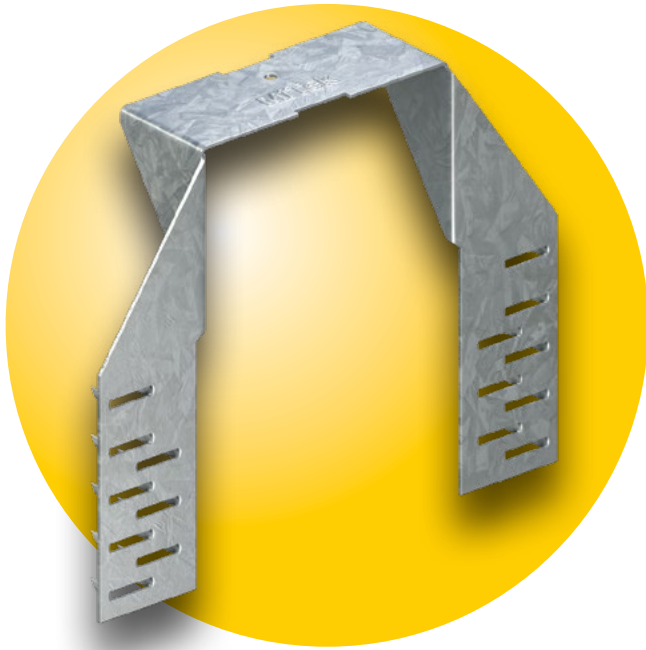


ENGINEERED BUILDING PRODUCTS

BATTENTIE



creating the **advantage**



FOR ROOF SECURITY UNDER EXTREME WIND CONDITIONS

APPLICATION:

The BattenTie fits 75 x 38mm and 75 x 50mm wide battens and provides much higher uplift strength than ordinary nails or batten screws.

USES

- BattenTies are a quick and effective method of anchoring roof battens to rafters or trusses.

ADVANTAGES

- Integral teeth.
- Fast installation.
- Stronger than nails or batten screws.

SPECIFICATIONS:

Steel Grade	G300
Thickness (Total Coated)	1.0 mm
Galvanized Coating	Z275
Product Code	BT

This Engineered Building Product complies with
AS/NZS 1170 Loading Code.

1. The capacities in Table 1 relate to joint groups of Australian/ NZ grown timber species.
2. Values in Table 1 incorporate the Category 1 capacity factor (\emptyset) for houses. For other categories, multiply the design capacities by the following factors. Refer to AS 1720.1 for a full definition of each category.

Category	1	2	3
Adjustment factor	1.00	0.94	0.88

3. Design capacities have been obtained from laboratory testing and procedures given in AS 1720.1.

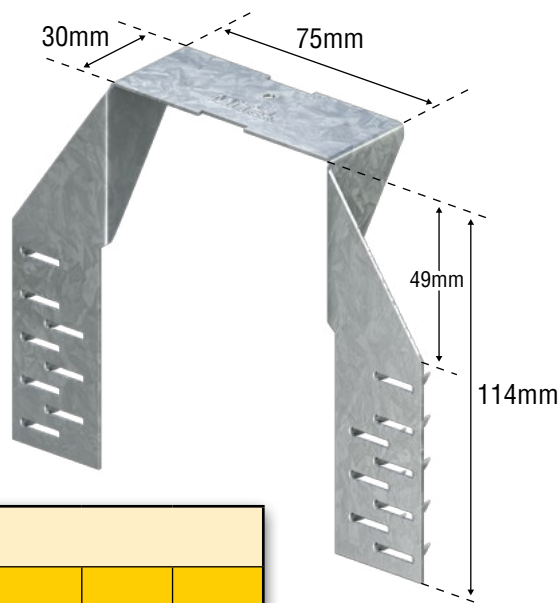


Table 1 - Uplift Capacity per Battentie

Joint Group of Rafter or Truss Top Chord	J2	J3	J4	JD2	JD3	JD4	JD5	JD6
Limit State Design Capacity in Wind Uplift (kN)	8.2	8.2	5.8	8.2	8.2	6.3	5.4	4.3

Table 2 - Battentie suitability in Tiled roofs for all joint groups

Maximum Batten Spacing (mm) Limit State Design Capacity in Wind Uplift (kN)	Maximum Truss or Rafter Spacing (mm)	
	Non Cyclonic Areas N1 to N4	Cyclonic Area C1to C3
330	1200	900

Table 3 - Battentie suitability in Sheet roofs for JD4 joint group or better

Rafter/ Truss Spacing (mm)	Batten Spacing (mm)	N1 to N4		Maximum Internal Pressure						Partial Internal Pressure					
				C1		C2		C3		C1		C2		C3	
		General	Edges	General	Edges	General	Edges	General	Edges	General	Edges	General	Edges	General	Edges
600	Up to 1200	S	S	S	S	S	S	S	S	S	S	S	S	S	S
900	Up to 750	S	S	S	S	S	S	S	S	S	S	S	S	S	S
	900	S	S	S	S	S	S	S	N	S	S	S	S	S	S
	1200	S	S	S	S	S	S	S	N	S	S	S	S	S	N
1200	Up to 600	S	S	S	S	S	S	S	S	S	S	S	S	S	S
	750	S	S	S	S	S	S	S	N	S	S	S	S	S	S
	900	S	S	S	S	S	S	S	N	S	S	S	S	S	N
	1200	S	S	S	S	S	N	N	N	S	S	S	S	S	N

NOTES:

1. 'S' is suitable, 'N' is not suitable.
2. 'General' refers to roof areas greater than 1200mm away from any roof edge such as eaves, hips, ridges, fascias and barges.
3. 'Edges' refer to roof areas with 1200mm of any roof edge.
4. Maximum Internal Pressure applies when:
 - a. The ceiling/eaves lining is located on top of the rafters/trusses; or
 - b. The ceiling/eaves lining cannot resist internal pressure; or
 - c. The house inside is not tightly sealed from the roof space. e.g. ceiling exhaust fans, downlights, loose manhole covers.
5. Partial Internal Pressure applies when the roof cavity is completely sealed from the inside of the house.

AS 1684 COMPLIANCE

Battenties satisfy the net uplift forces in AS 1684 for roof batten spans and spacings.

BATTENTIE - INSTALLATION

1. Nail each end of the batten temporarily to hold it in position. Place the BattenTie over the batten and drive teeth into the side of the rafter. See Figure 1.
2. Drive nail through central perforated hole in the top of the BattenTie. Use Ø3.75 x 75mm nail for 35-38mm thick and Ø3.75 x 100mm nail for 45-50mm thick battens. See Figure 2.

Figure 1: Step 1

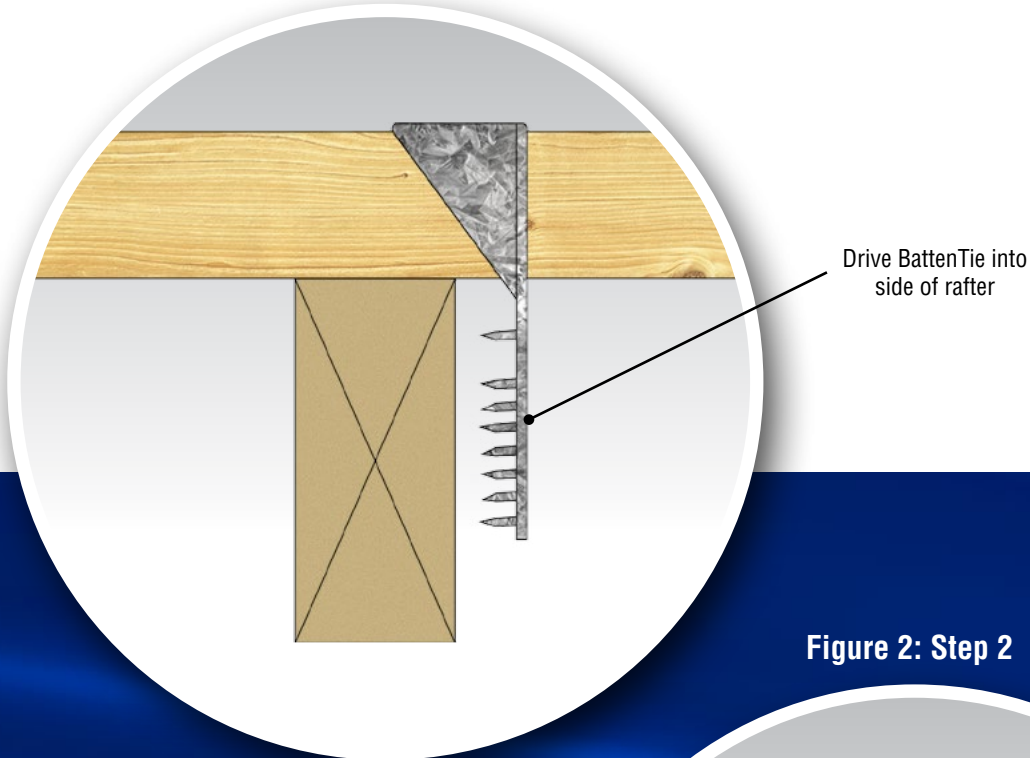
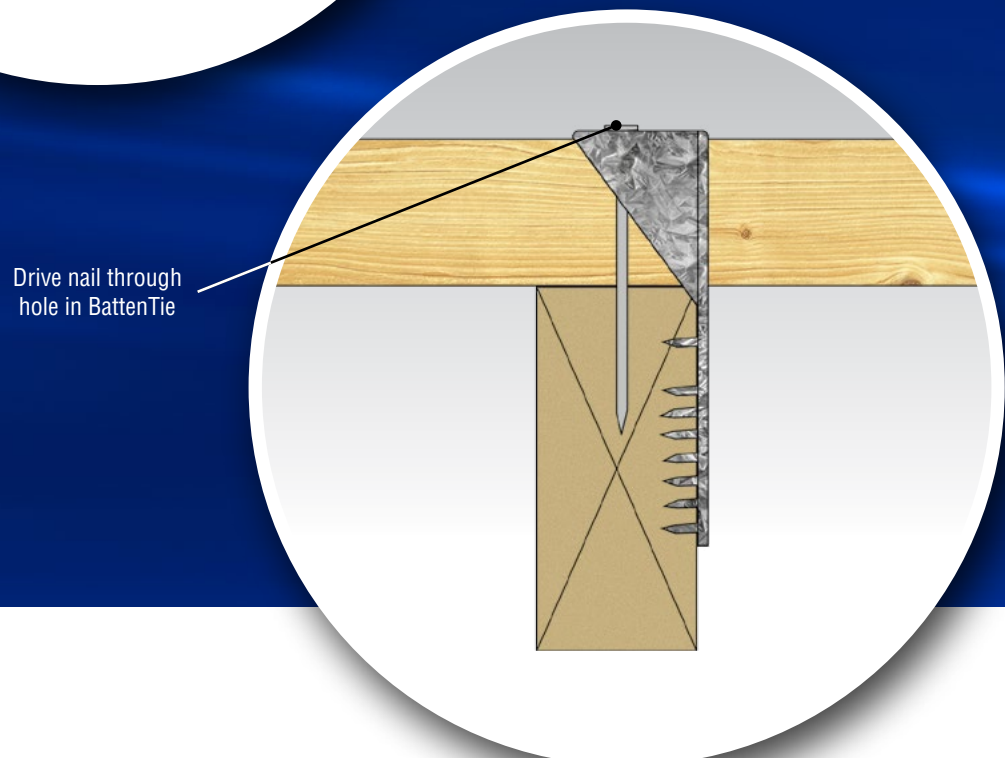


Figure 2: Step 2



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



BT 02/15

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