ENGINEERED BUILDING PRODUCTS

MaxiBrace

MiTek®

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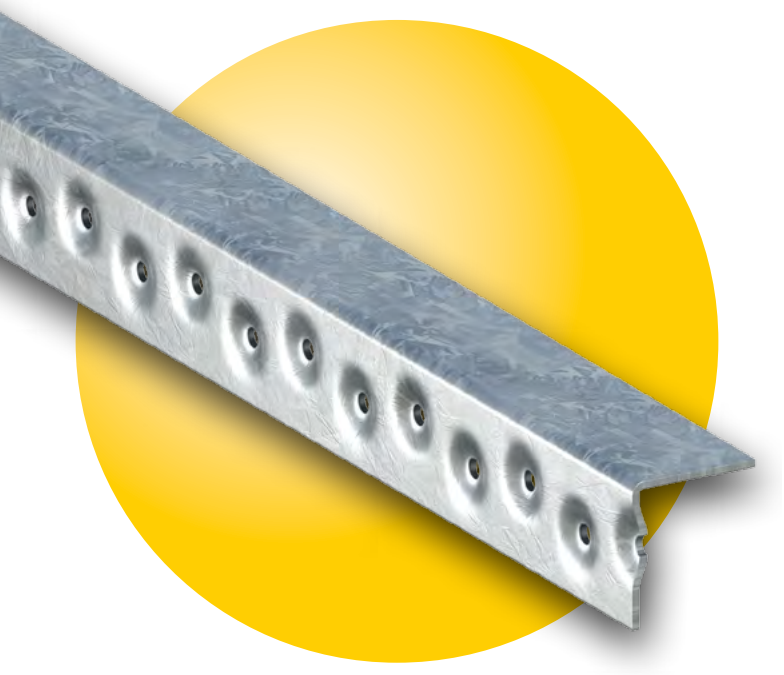


HIGH STRENGTH WALL BRACING

APPLICATION:

MaxiBrace is designed to brace timber framed walls in domestic construction.

USES

- MaxiBrace is a high strength cold formed steel angle section, designed to brace timber framed walls in domestic construction.

ADVANTAGES

- MaxiBrace is effective both as a compression or tension bracing system.

SPECIFICATIONS:

Steel Grade	**G300**
Thickness (Total Coated)	**1.2 mm**
Galvanized Coating	**Z275**
Nails	**MiTek 30 x 2.8mm hot dipped galvanized reinforced head**
Product Code	**See Table**

For durability information, please refer to **Corrosion Resistance of MiTek Metal Connectors**, available on the MiTek website at **mitek.com.au**

This Certified Engineering Building Product complies with the National Construction Code and Australian Standards.

COMPLIANCE

A single MaxiBrace fixed as shown in Figure 1 is suitable for bracing timber wall frames manufactured in accordance with Australian Standards listed in Table 1.

The number, location and tie down of bracing units to be determined as described in the relevant Standard.

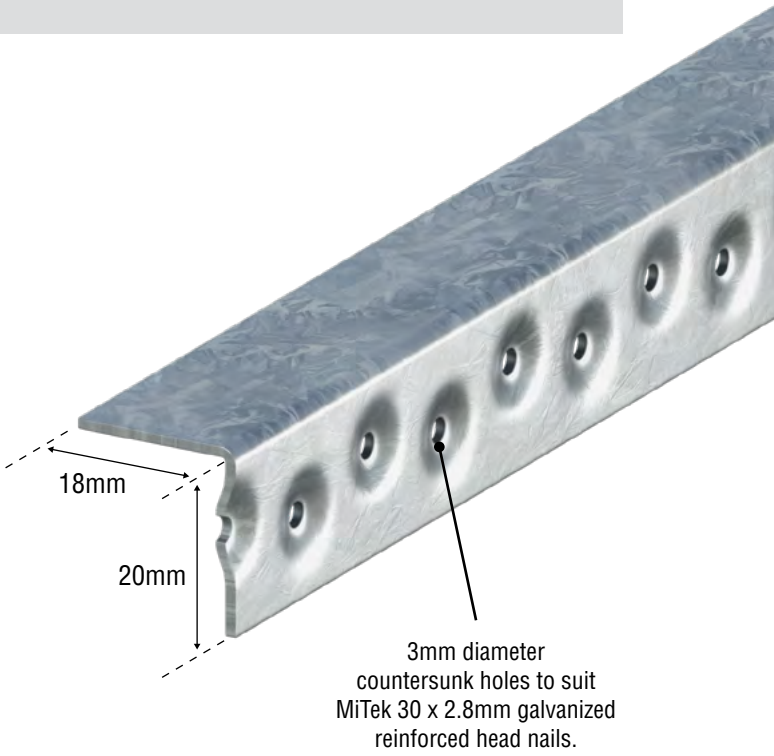


Table 1		
Australian Standard	**Reference**	**Bracing Capacity/ Bracing Type**
AS 1684.2 Residential timber-framed construction, Part 2 Non-cyclonic areas OR AS 1684.3 Residential timber-framed construction, Part 3 Cyclonic areas	**Table 8.18(c)**	**1.5 kN/m**
AS 1684.4 Residential timber-framed construction, Part 4 Simplified - Non-cyclonic areas	**Table 8.3(c)**	**A**

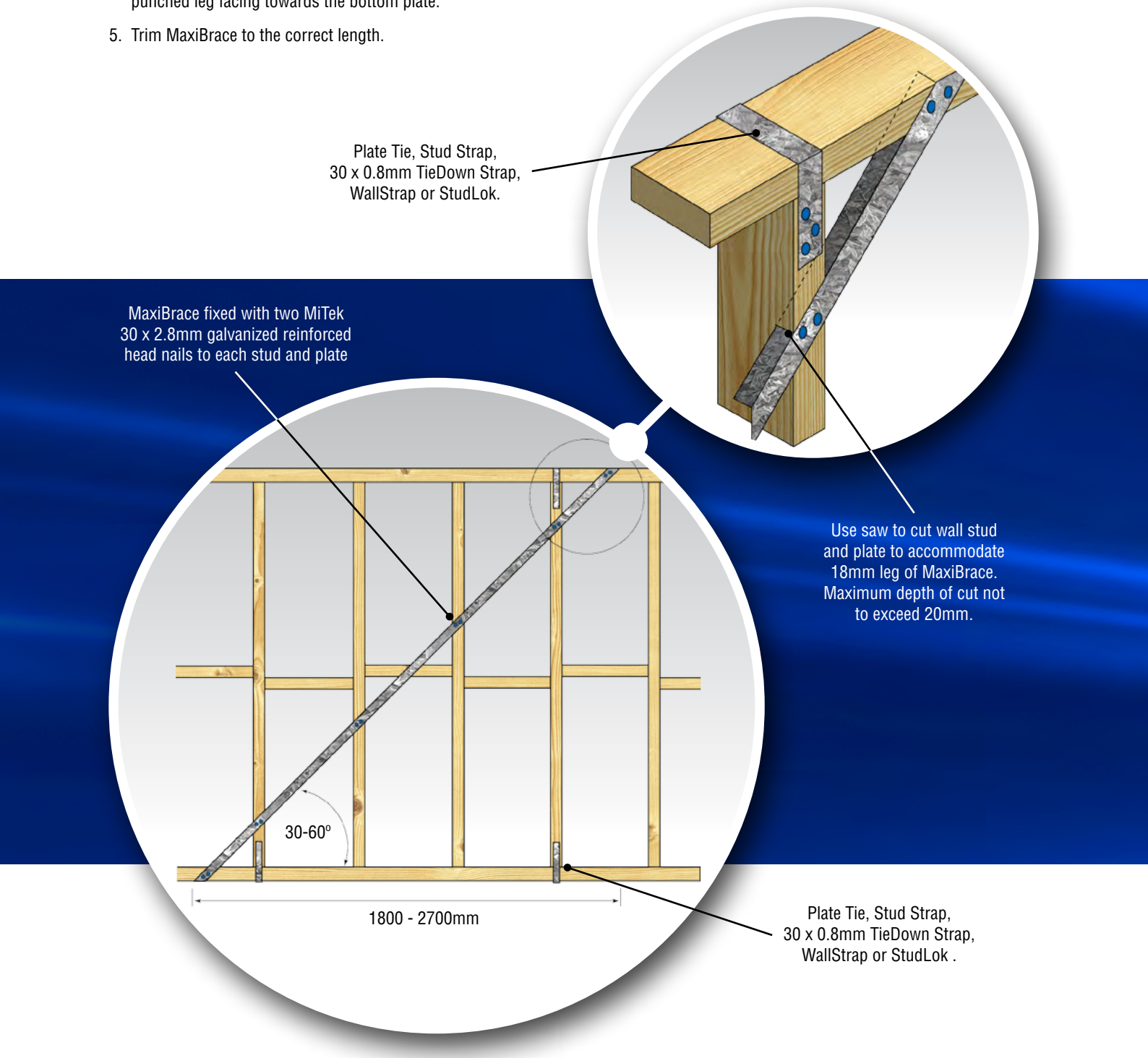
Note: The bracing capacity in Table 1 is appropriate to wall heights up to and including 2700mm. For wall heights greater then 2700mm, the value in the table is proportioned downward relative to the wall heights. eg. For a wall height of 3000mm multiply the value in the table by 2700/3000 = 0.9.

Size:	**20 x 18 x 1.2mm thick.**
Product Code:	**Length:**
MAB3.0	**3.05 metres**
MAB3.3	**3.3 metres**
MAB3.6	**3.6 metres**
MAB4.2	**4.2 metres**

MaxiBrace - Installation

1. Locate position of brace as specified by frame drawings or code requirement.
2. Using brace as straight edge, mark position of the saw cut. Ensure that the angle between MaxiBrace and the top plate is approximately 45°, but no less than 30°, or greater than 60°.
3. Set the saw depth to 18mm, and cut marked studs and plates. Be sure not to cut any deeper than 20mm.
4. Place unpunched leg of MaxiBrace into the saw cut with punched leg facing towards the bottom plate.
5. Trim MaxiBrace to the correct length.
6. Fix to each stud and each plate with two MiTek 30 x 2.8mm galvanized reinforced head nails.
7. Fix Plate Tie, Stud Strap, TieDown Strapping, WallStrap or StudLok to studs as indicated in Figure 1.

Figure 1



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