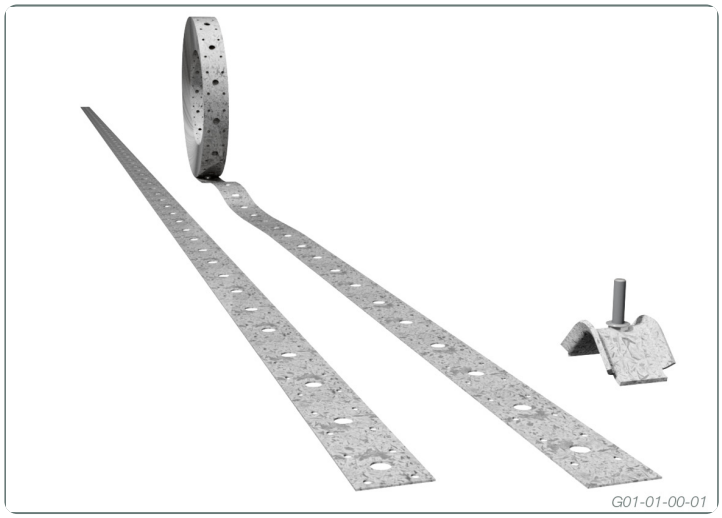
Multinail Hub - Multi-tensioner

14 May 2020

Multinail Australia

Flat Tension Bracing



Pre-punched galvanised steel tension brace designed to brace timber wall frames in domestic construction.

This pre-punched galvanised steel brace is:
Very useful in situations where bracing cannot be cut into studs.
The ideal tension bracing system when used in conjunction with a Multi-Tensioner.

Practical - it helps reduce on-site labour time as studs do not have to be notched!

APPLICATION

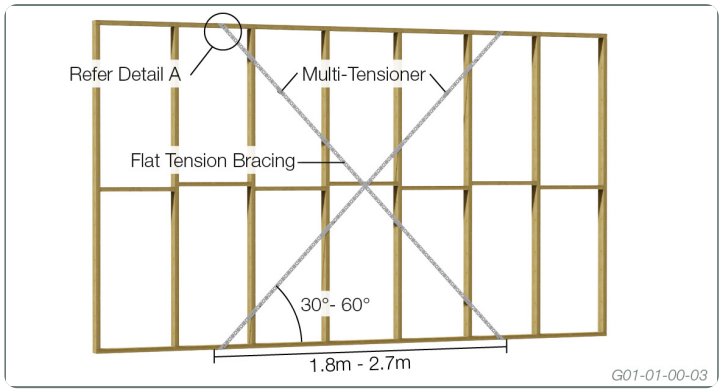
Two individually cut pieces of Flat Tension Bracing are required to brace a timber framed wall section. These pieces should overlap to form an 'X'.

1. Secure first end of one piece of bracing into position using 30mm x 2.8Ø Multinail nails.
2. Stretch the Flat Tension 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 Flat Tension Bracing, ensuring an 'X' is formed.
5. Secure the Multi-Tensioner in each length of Flat Tension Bracing to remove any remaining slack.
6. Fix T-Plate, Stud Tie or Nail On Stud Tie as required (refer 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 then 2.7m, please refer to AS1684.

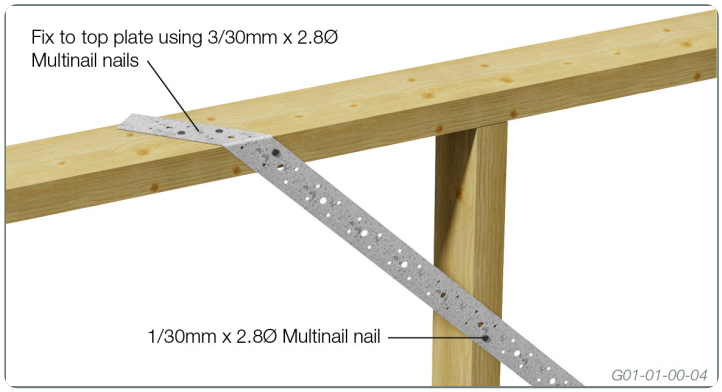
TYPICAL USE - 1.5kN/m

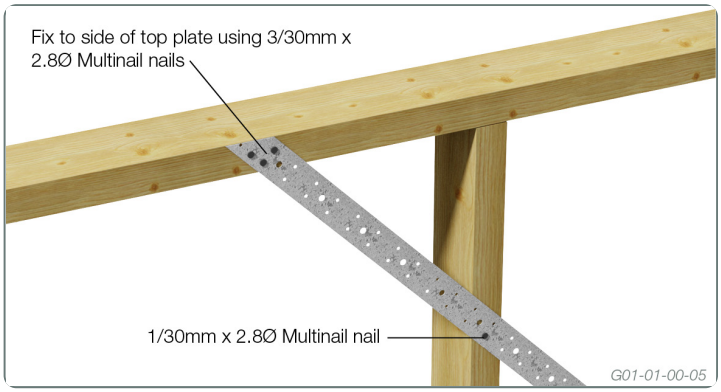
1.5kN/m Bracing Capacity as per AS1684 Residential Timber-Framed Construction, Table 8.18(b)



No Stud Ties required for 1.5kN/m Bracing Capacity as per AS1684 Residential Timber-Framed Construction, Table 8.18(b)

Detail A



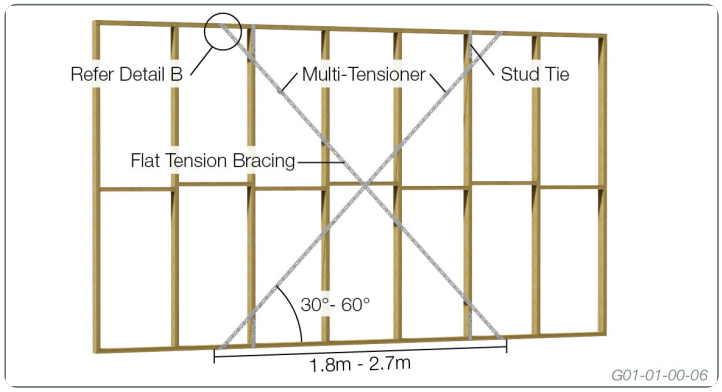


DESIGN LOADS

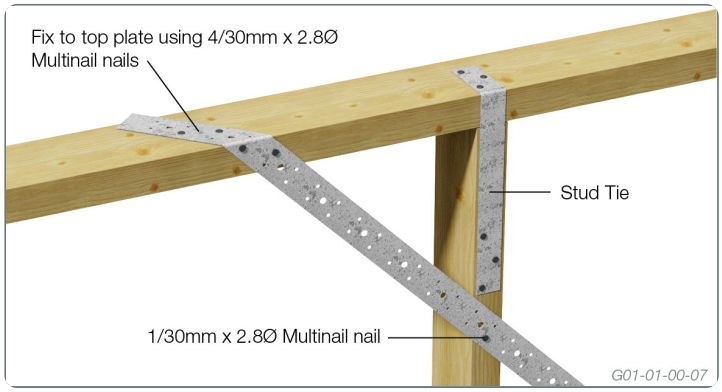
Size(mm)	Tension Capacity (kN)
30 x 0.8	5.6

TYPICAL USE - 3.0kN/m

3.0kN/m Bracing Capacity as per AS1684 Residential Timber-Framed Construction, Table 8.18(d)



Detail B

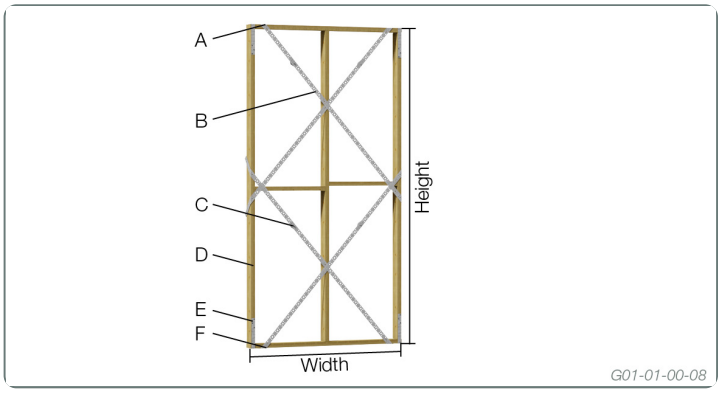


DESIGN LOADS

Size(mm)	Tension Capacity (kN)
30 x 1.0	6.5

SHORT WALL BRACING

A. Wrap ends of Flat Tension Bracing around plate and fix with nails (Refer Detail B)
B. Attach minimum 30 x 1.0 Flat Tension Bracing with 2/30mm x 2.8Ø Multinail nails into each stud
C. Multi-Tensioner
D. Minimum 70 x 35-F5 Wall Stud
E. Stud Ties or 1/T-Plate (both sides of frame)
F. Tie-down as per AS1684/minimum M10 Concrete Screw Anchor



DESCRIPTION AND PACKAGING

Manufactured from 30 x 0.8mm / 30 x 1.0mm Galvanised G300 Z275 Steel

Description	Product Code	Reference Code	Quantity	Kg.
30 x 0.8mm - 10m Roll	TA501	FTR3001008	1	2.4
30 x 0.8mm - 20m Roll	TA502	FTR3002008	1	4.8
30 x 0.8mm - 30m Roll	TA500	FTR3003008	1	6.0
30 x 0.8mm - 50m Roll	TA503	FTR3005008	1	10.0
30 x 0.8mm - 100m Roll	TA504	FTR3010008	1	21.6
30 x 1.0mm - 3.15m Length	TA555	FTL3031508	250	128
30 x 1.0mm - 3.35m Length	TA556	FTL3033510	250	136
30 x 1.0mm - 3.60m Length	TA557	FTL3036010	250	146
30 x 1.0mm - 3.90m Length	TA558	FTL3039010	250	158
30 x 1.0mm - 4.20m Length	TA559	FTL3042010	250	171
30 x 1.0mm - 10m Roll	TA551	FTR3001010	1	2.5
30 x 1.0mm - 20m Roll	TA552	FTR3002010	1	4.9
30 x 1.0mm - 30m Roll	TA550	FTR3003010	1	7.3
30 x 1.0mm - 50m Roll	TA553	FTR3005010	1	12.2
30 x 1.0mm - 100m Roll	TA554	FTR3010010	1	24.5
NOTE: The 100m Roll requires a special floor-mounted Bulk Coil Dispenser.				
Please contain Multinail for more information.				
Multi-Tensioner Including wing nut and washer (TA0424)				
30mm x 2.8Ø Multinail Nails (TA302)