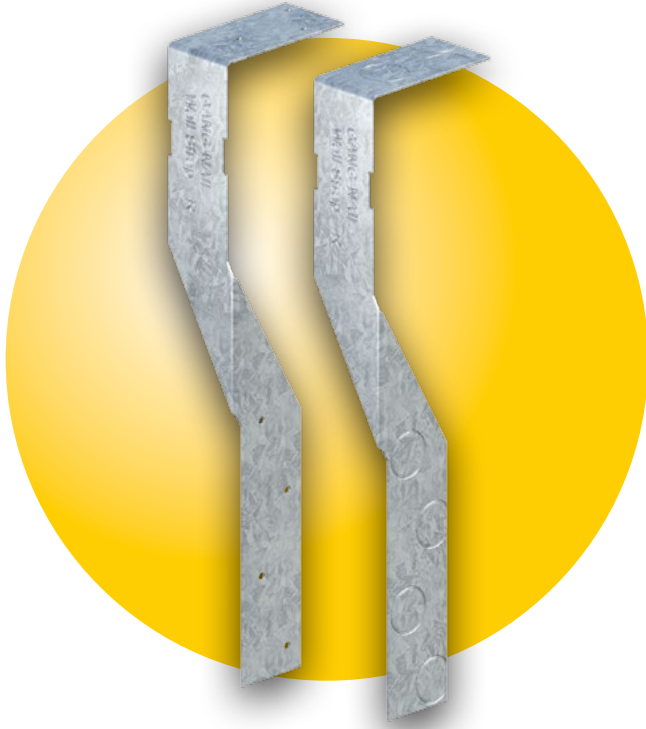


Hand or Pneumatic Fixed WALLSTRAP



creating the **advantage**



FAST METHOD OF FIXING STUDS AND WALL PLATES

APPLICATION:

WallStraps provide a fast and easy method for the fastening of wall plates to frames in prefabricated timber walls. WallStraps need only to be fixed to one side of the frame, avoiding the need to turn the frame over or to work underneath the frame.

USES

- WallStraps may be used in wall bracing units (Type A and B as specified in AS1684) and for general studs tie down.

ADVANTAGES

- No need to rotate the frame during manufacture or to fasten to underside of frame.
- Incorporates embossed target rings or holes to assist with the accurate location of nails.

SPECIFICATIONS:

Steel Grade	G300		
Thickness (Total Coated)	1.0mm		
Galvanized Coating	Z275		
Nails	MiTek 30 x 2.8mm hot dipped galvanized reinforced head	WSRH WSLH	
	32 x 2.5mm pneumatically driven nails	WSR WSL	
Product Code	WSRH WSLH	Right Left	Hand Nail Fixed
	WSR WSL	Right Left	Pneumatic Fixed

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

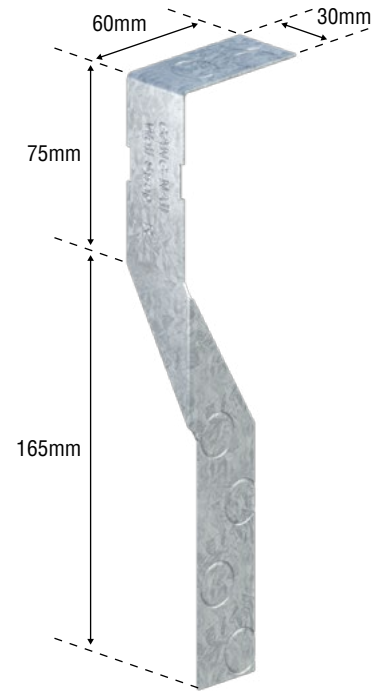
WALLSTRAP HAND OR PNEUMATIC FIXED - LOAD DATA

Limit State Design Capacity (kN)									
Fixing	Joint Group								
	J2	J3	J4	J5	JD2	JD3	JD4	JD5	JD6
3 nails to plate and 4 nails to stud	3.9	3.8	2.6	2.1	3.9	3.9	3.8	3.2	2.4

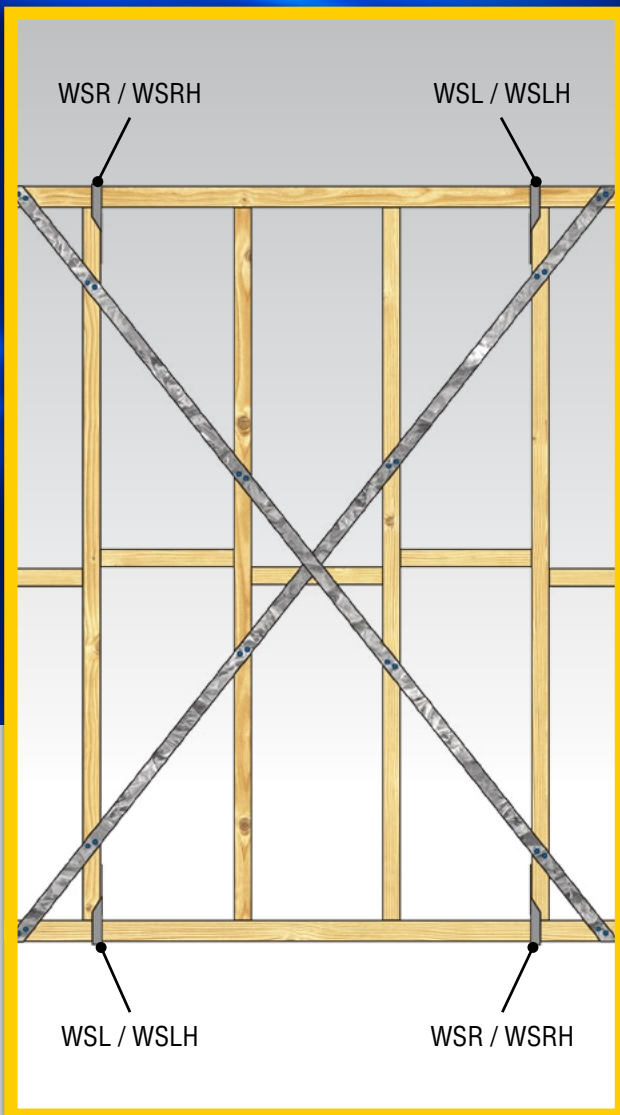
Values in this table incorporate the Category 1 capacity factor (ϕ) for houses. For other categories, multiply the design capacities by the following factors. Refer to AS1720.1 for a full definition of each category.

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

Category	1	2	3
Adjustment factor	1.00	0.94	0.88



WALL BRACING UNITS



GENERAL STUDS TIE DOWN



WALLSTRAP HAND OR PNEUMATIC FIXED - INSTALLATION

1. Note that the use of the right and left handed WallStraps is not essential.
2. Place the WallStrap over the stud with the vertical bend in line with the stud corner or offset to one side as shown above.
3. Fix using three MiTek 30 x 2.8mm hot dipped galvanized reinforced head nails into wall plates and four MiTek 30 x 2.8mm hot dipped galvanized reinforced head nails into stud through the holes provided or if pneumatically driven, fix using three 32 x 2.5mm pneumatically driven nails into wall plates and four 32 x 2.5mm pneumatically driven nails into stud through the embossed target rings.

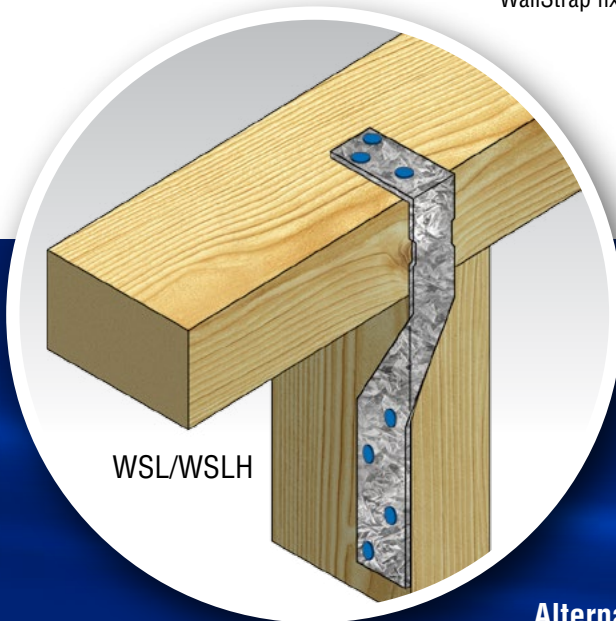
IMPORTANT NOTES:

1. In the case where WallStrap is used in conjunction with bracing panel*, ensure the WallStrap is fixed to the same side of Stud as the bracing member.
2. In the case where WallStrap is used to hold down top plates against wind uplift forces from trusses or rafters, ensure that the WallStrap is fixed to the same side of the plate as the brackets used to restrain the roof members.

*Refer AS1684 'Residential Timber-Framed Construction' for details of bracing types.

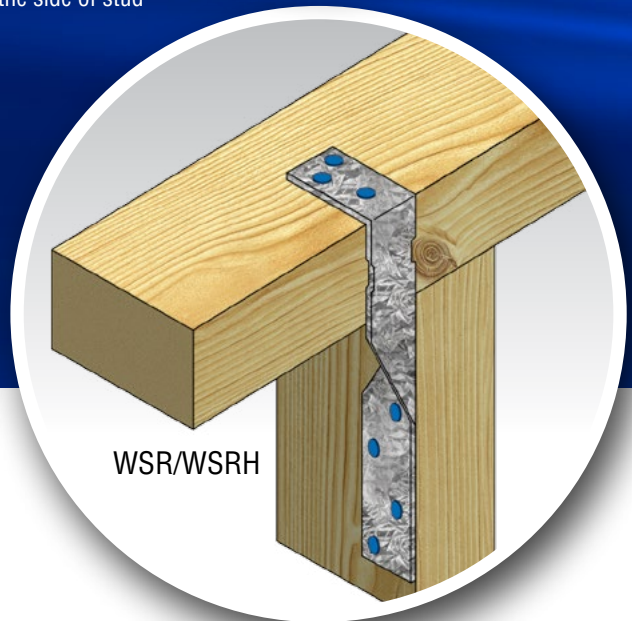
Standard Fixing

WallStrap fixed in line with stud



Alternative Fixing

WallStrap fixed to the side of stud



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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