

NZ Z and U Nails

Versatile and cost-effective tie-down for a variety of connections commonly found on any residential construction.

FEATURES AND BENEFITS

SIMPLE: The “Z” and “U” Nails are cost-effective means of holding down purlins to rafters, rafter and joists to plates, joists to beams.

FAST: Both “Z” and “U” Nails are self-nailing and easy to apply with the 85° angle of the nail to the shaft enabling the nails to draw the timbers to each other. Install using a standard carpenter hammer only.

DURABLE: Made from 5mm diameter Zinc Galvanised or Stainless Steel 304.

SPECIFICATIONS

STEEL	5mm Mild Steel Wire to AS2334-1980 or Stainless Steel 304
THICKNESS	5mm
CORROSION RESISTANCE	Zinc Galvanise to NZS 3604:2011 Table 4.2 or Stainless Steel 304
FASTENERS	N/A
LENGTHS	Z Nail 100x40mm, U Nail 105x40mm

At the time of print, this product is NOT subject to any known warnings and bans found in Building Act 2004.

CodeMark 
CMNZ-10029



Z Nail (MPZL) Left and (MPZR) Right



U Nail MPZU

*All dimensions shown are in “mm.”

Z AND U NAILS

PRODUCT CODE	NAIL STYLE	MATERIAL	SIZE (mm)	QUANTITY
MPZL	Z NAIL	Mild Steel to AS2334 Zinc Galvanised	100 x 40 x 5	100
MPZR	Z NAIL			
MPZU	U NAIL		105 x 40 x 5	
MPZL/S	Z NAIL	Stainless Steel 304	100 x 40 x 5	
MPZR/S	Z NAIL			
MPZU/S	U NAIL		105 x 40 x 5	

DESIGN CAPACITY FOR A PAIR OF CONNECTORS TO NZS 3604:2011 TABLE 2.2 FIXING TYPE E (WIND LOADS ONLY)

LOAD DIRECTION (WIND UP)	FIXING CAPACITY (KN)
Z Nail	4.7 ⁽¹⁾
U Nail	

Note:

1. Capacity shown are for a PAIR of connectors + 2/90 x 3.15mm skew nails.

APPLICATION AND SCOPE OF USE

Pryda Z and U nails are suitable for all roof spaces that are closed. Conforms to NZS 3604:2011 section 2.4.8. Applications include tie-down connections that includes holding down purlins to rafters, rafter and joists to plates, joists to beam.

Pryda Z and U nails are certified when used and installed in accordance with the product datasheet shown connection details. Pryda fasteners approved for the installation form an integral part of the connection and therefore should be used with all Pryda products installation unless otherwise approved by a certified structural Engineer. Only use the product for its intended applications and the selected product material type within the specified environmental condition as outlined in NZS 3604:2011 Table 4.1. (Refer to Durability section for more details).

DURABILITY

The following table provides an easy guide when selecting a Pryda product corrosion protection finish that will meet and exceeds NZS 3604:2011 Table 4.1.

ZONE	LOCATION		Environment	Product
All Zones	Fully enclosed walls, floors, and roof spaces		Closed	Pryda Zinc Coated Products Z275
Zones B and C	All subfloor fastenings more than 600mm above the ground	Vented 7000mm ² /m ² or LESS	Sheltered	Pryda Stainless Steel 304 Products ⁽³⁾
		Vented MORE than 7000mm ² /m ²	Exposed	Pryda Stainless Steel 304 Products ⁽³⁾
	All subfloor fastenings within 600mm of the ground	Sheltered and Exposed		Pryda Stainless Steel 304 Products ⁽³⁾
	All other structural fixings	Sheltered		Pryda Stainless Steel 304 Products ⁽³⁾
Exposed		Pryda Stainless Steel 304 Products ⁽³⁾		
Zone D	All structural fixings	Sheltered and Exposed		Pryda Stainless Steel 304 Products ⁽³⁾

Notes:

- 1.All Pryda galvanised products comply with NZS3604:2011 Table 4.2.
- 2.Refer to NZS3604:2011 for all environment definitions.
- 3.Routine inspection and cleaning using soap and fresh warm water is an integral part of the ongoing care and maintenance of stainless steel to preserve its appearance.

STORAGE AND HANDLING

Prior to use, the Pryda products shall be stored in a weatherproof environment and protected from moisture. Care must be taken to avoid any damage to the surface of the product protective galvanised coating and profile that may impact the performance.

COMPLIES WITH THE FOLLOWING PROVISIONS OF THE NEW ZEALAND BUILDING CODE (NZBC)

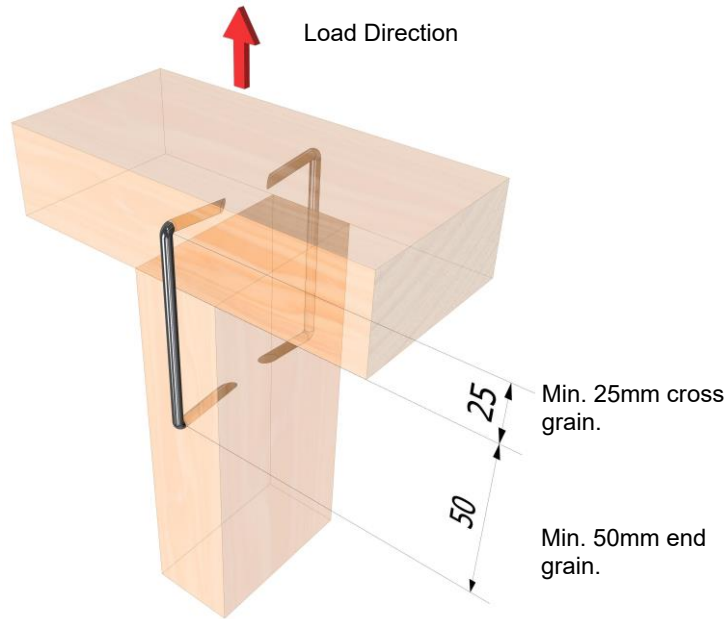
Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2 and B1.3.4. Loads arising from self-weight, imposed gravity loads arising from use, earthquake, snow, and wind. (i.e., B1.3.3 (a), (b), (f), (g), and (h)). Only some may apply for a specific use of the component.

Clause B2 DURABILITY: Performance B2.3.1 (a) not less than 50 years and B2.3.2.

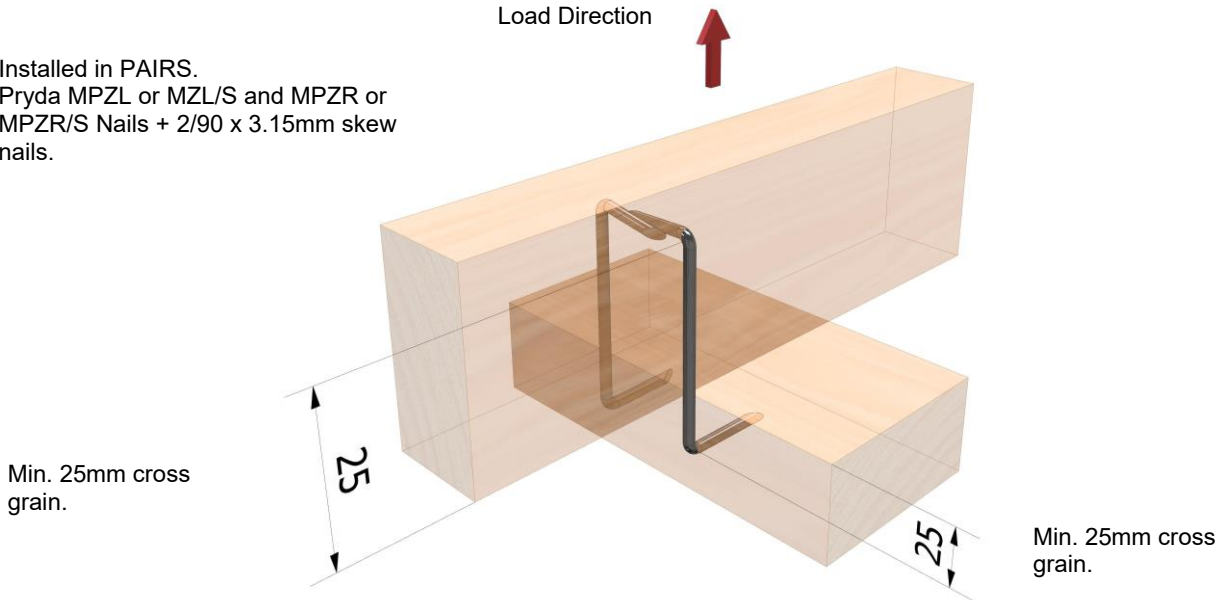
Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.

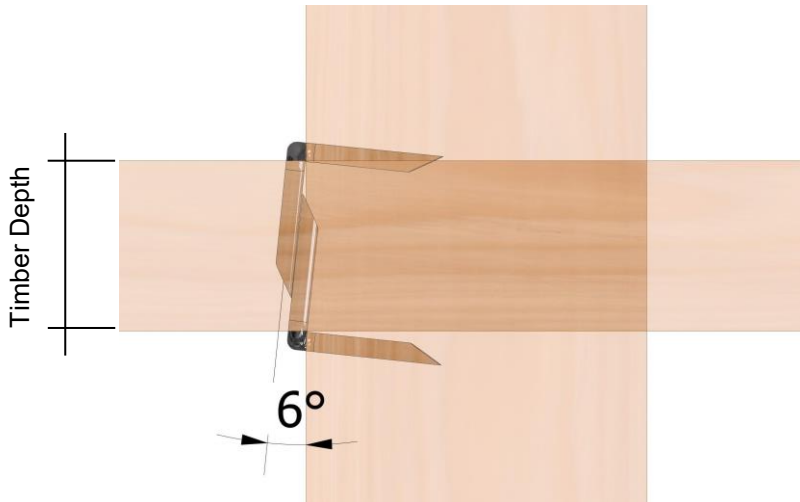
INSTALLATION

Installed in PAIRS.
 Pryda MPZU or MPZU/S Nail +
 2/90 x 3.15mm skew nails.

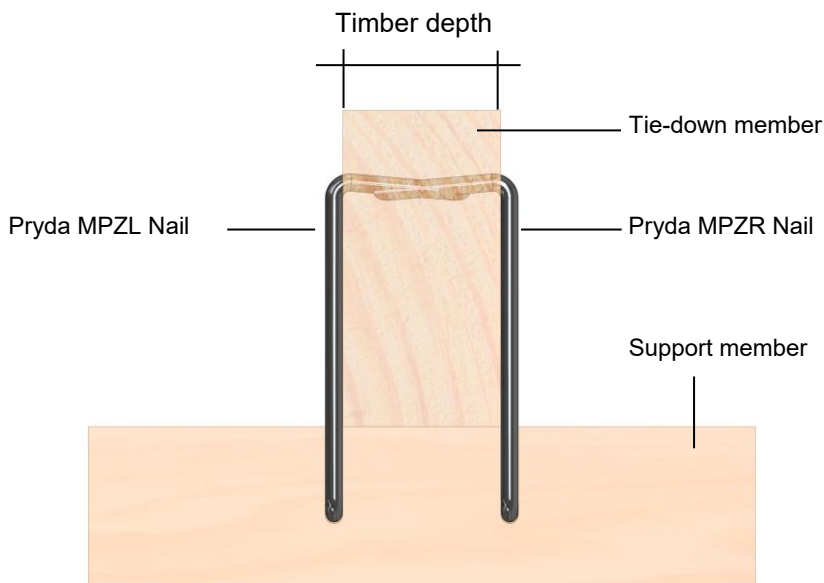


Installed in PAIRS.
 Pryda MPZL or MZL/S and MPZR or
 MPZR/S Nails + 2/90 x 3.15mm skew
 nails.

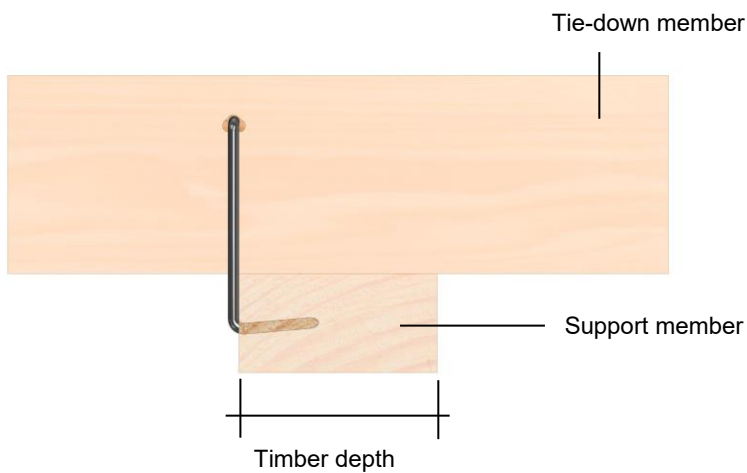




- Pryda Z Nails are to be installed in PAIRS.
- If timber depth is less than 90mm and offsetting Z nail is not possible. Rotate each Z nail approx. 6 degrees as shown to avoid clashing.
- Minimum penetration is 30mm to NZS 3604:2011, therefore minimum timber depth is 35mm for both tie-down and support member.



- Each Z Nail shall be vertically plumb.
- Mark penetration point and drive one end into member while maintaining minimum cross grain and end grain limit.
- Pivot the other end until point is directly against second member, then hammer drive until flush against face of member.
- Z Nails shall be fully driven in flush for both tie-down and support members.



Contact details	
Manufacture location	New Zealand
Legal and trading name of manufacturer	Fairfit Engineering
Legal and trading name of supplier	Pryda New Zealand -a Division of ITW New Zealand
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