

## NZ STRAP NAIL

**CodeMark**   
CMNZ-10032

Hammer fixed and easy to use connector for multiple applications

### FEATURES AND BENEFITS

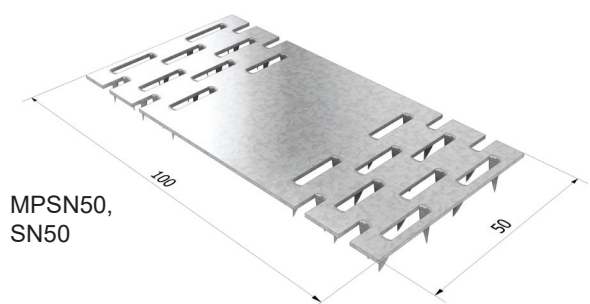
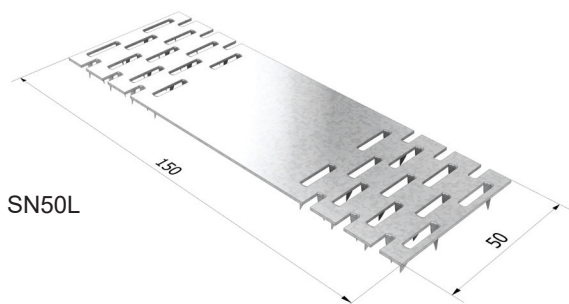
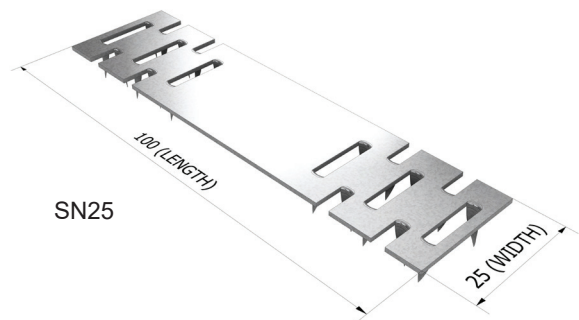
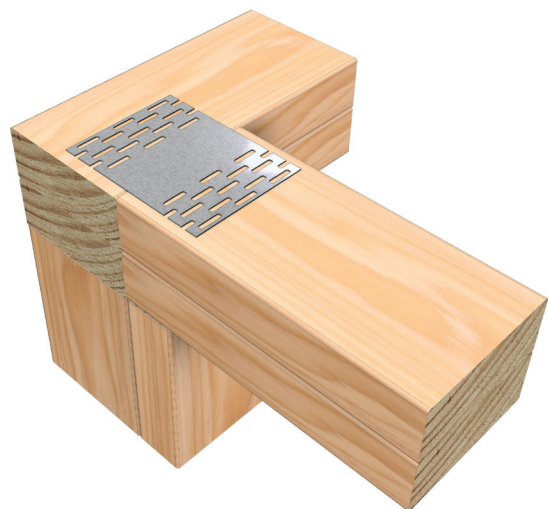
**SIMPLE:** Can be installed without any special gear or nails, only a hammer is required for install.

**FAST:** Hammer the pre-punched Claw nails and you are done. Time saving and therefore, cost-saving.

**DURABLE:** Twisted form of the Claw nails are suitable for all types of untreated timber ranging from the lightest softwoods to the densest hardwoods. Made from 1mm G300 Z275 steel.

### SPECIFICATIONS

|                      |                                                                                          |
|----------------------|------------------------------------------------------------------------------------------|
| PRODUCT CODE         | SN25 <sup>(1)</sup> , MPSN50 <sup>(2)</sup> , SN50L <sup>(3)</sup> , SN50 <sup>(2)</sup> |
| STEEL                | G300                                                                                     |
| THICKNESS            | 1mm                                                                                      |
| CORROSION RESISTANCE | Z275                                                                                     |
| FASTENERS REQUIRED   | Pre-punched nails                                                                        |
| LENGTH               | 100mm <sup>(1)</sup> , 100mm <sup>(2)</sup> , 150mm <sup>(3)</sup>                       |
| WIDTH                | 25mm <sup>(1)</sup> , 50mm <sup>(2)</sup> , 50mm <sup>(3)</sup>                          |
| QUANTITY             | * Refer to next table                                                                    |



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

## DURABILITY

The following table provides an easy guide when selecting a Pryda product corrosion protection finish that will meet and exceeds NZS3604:2011 table 4.1.

Pryda Strap Nails are only available in Z275, therefore suitable for “Closed” environment.

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

### 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.

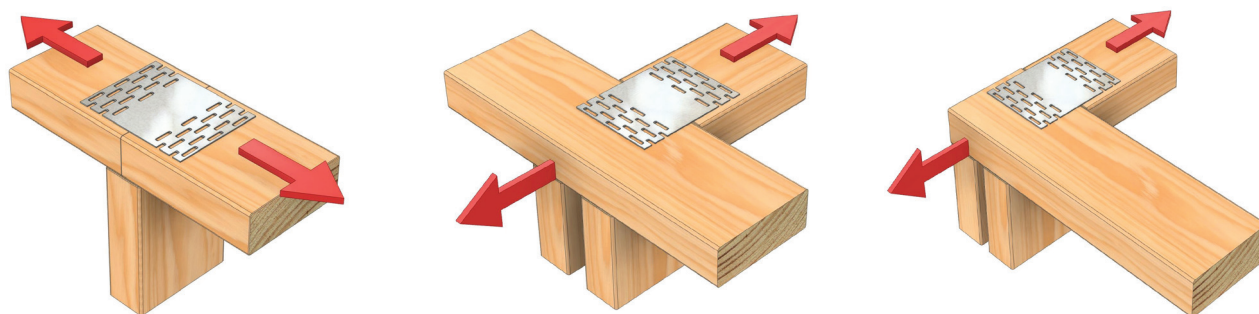
**Clause B2 DURABILITY:** Performance B2.3.1 (a) not less than 50 years and B2.3.2.

**Clause F2 HAZARDOUS BUILDING MATERIALS:** Performance F2.3.1.

## STRAP NAIL

| PRODUCT CODE | MATERIAL                            | WIDTH (mm) | LENGTH (mm) |
|--------------|-------------------------------------|------------|-------------|
| SN25         | 1.0mm G300 Z275<br>Galvanised Steel | 25         | 100         |
| MPSN50       |                                     | 50         | 100         |
| SN50         |                                     | 50         | 100         |
| SN50L        |                                     | 50         | 150         |

## STRAP NAIL CAPACITY – LOADING ALONG THE PLATE EXAMPLES



| PRODUCT CODE    | WIDTH (mm) | TEETH EACH END | DESIGN CAPACITY $\Phi N_j$ PER STRAP NAIL (kN)<br>FOR TIMBER JOINT GROUP |
|-----------------|------------|----------------|--------------------------------------------------------------------------|
|                 |            |                | JD5                                                                      |
| MPSN2           | 25         | 10             | 1.5                                                                      |
| MPSN50,<br>SN50 | 50         | 20             | 3                                                                        |
| SN50L           | 50         | 28             | 4.1                                                                      |

### Notes:

- Design capacities apply for dry (maximum moisture content of 18%) Radiata Pine and Douglas Fir timber grade SG8 and for timber which meets JD5 timber as defined in AS/NZS1720.
- The above capacities are given for the wind load case only.
- Complies with NZS3604 Section 8 Walls for metal plate joints Up to 3 kN for SN50, MPSN50, and SN50L as referenced in Figure 8.15 and Figure 8.16.

## APPLICATION AND SCOPE OF USE

Pryda Strap Nails are certified when used and installed in accordance with the product data sheet 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 NZS3604:2011, Table 4.1. (Refer to Durability section for more details).

- Connecting top plates to external walls at right angles.
- Connecting top plates.

## INSTALLATION

Pryda Strap Nail, a pre-punched nail plate which offers a quick, simple, economical, and easy to use method of jointing timber plates normally jointed by more time-consuming methods. Pryda Strap Nail uses the sharper tooth profile featuring the exclusive pre-punched twisted nail. This results in increased holding power due to better penetration of all timber types.

Installation is just a matter of hammering in the plate, however before doing so, make sure the Strap Nail is:

- Positioned centrally over the joint line with equal lengths of the plate on either side.
- Positioned centrally to the edges of the timber.
- Positioned parallel with the edge of the timber.
- Timber joining edge is free from timber defects such as knots, waness, checks, shakes, and splits.
- Gaps between joints shall not be greater than 3mm.

| 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             |
| Importer address for service           | 23-29 Poland Road, Wairau Valley, Auckland, 0627, New Zealand |
| Importer website                       | Pryda.co.nz                                                   |
| Importer email                         | info@prydaanz.com                                             |
| Importer phone number                  | 0800 88 22 44                                                 |
| Supplier NZBN                          | 9429039833129                                                 |
| Product SKU's                          | SN25, MPSN50, SN50L, SN50                                     |