

# NZ NAIL-ON CLEAT

Universal ties for joining timber at right angles.

**CodeMark** >>>  
CMNZ-10031

## FEATURES AND BENEFITS

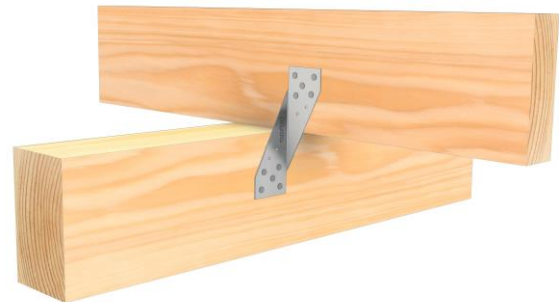
**SIMPLE:** Easy to use for right-angle connections.

**FAST:** Nail fix using on-site hammer.

**DURABLE:** Made from Stainless Steel Grade 304.

## SPECIFICATIONS

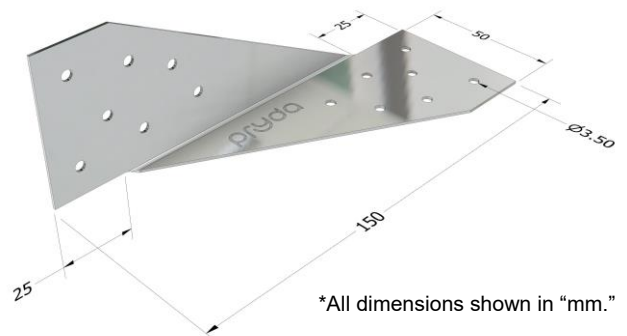
<b>PRODUCT CODE</b>	NPD150/63/S (RH & LH)
<b>STEEL</b>	Stainless Steel 304
<b>THICKNESS</b>	0.9mm
<b>CORROSION RESISTANCE</b>	Stainless Steel 304
<b>FASTENER</b>	Pryda 35 x 3.15mm Stainless Steel
	Timber Connector Nails
<b>PRODUCT DIMENSION</b>	Refer to drawing



NPD150/63/S LH (LEFT HAND)



NPD150/63/S RH (RIGHT HAND)



\*All dimensions shown in "mm."

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

## NAIL-ON CLEAT

PRODUCT CODE	MATERIAL	LENGTH (mm)	WIDTH (mm)
NPD150/63/S	Stainless Steel 304	150	50

## 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.

Pryda Nail-On Cleat is only available in Stainless Steel 304, therefore suitable for all environments.

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 <sup>2</sup> /m <sup>2</sup> or LESS	Pryda Stainless Steel 304 Products <sup>(3)</sup>	
		Vented MORE than 7000mm <sup>2</sup> /m <sup>2</sup>	Pryda Stainless Steel 304 Products <sup>(3)</sup>	
	All subfloor 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.

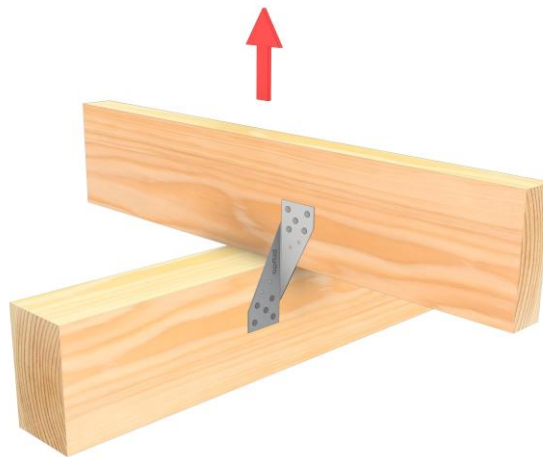
**Clause F2 HAZARDOUS BUILDING MATERIALS:** Performance F2.3.1.

## APPLICATION AND SCOPE OF USE

Pryda Nail-on Cleats (NPD150/63/S) 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).

## DESIGN CAPACITIES

### LOAD DIRECTION 1



### LOAD DIRECTION 1

LOAD CASE	DESIGN CAPACITY $\Phi_{NJ}$ (kN) FOR A SINGLE NPD150/63/S FOR TIMBER JOINT GROUP
	JD5
1.2G + Wd or Wind Uplift	5.5

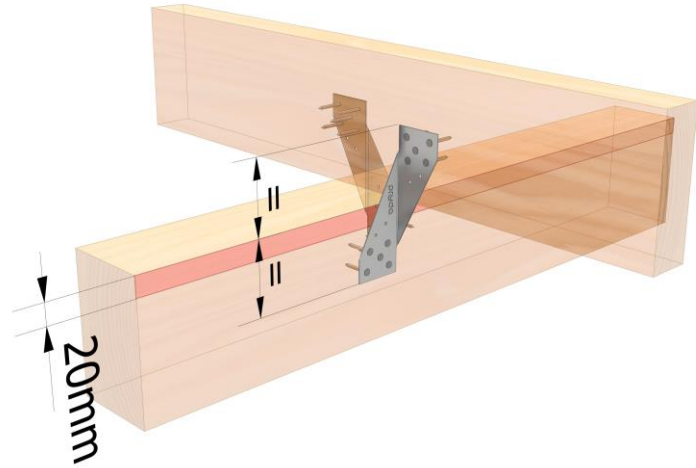
Notes:

1. Fixing details are 5 @ 35 x3.15mm Stainless Steel Pryda Timber Connector Nails into each end. Total 10 nails per bracket.
2. Joist is to be fixed to bearer using 2 x 90 x 3.15mm skew nails. (Not supplied and not shown in connection detail shown)
3. Design capacities applies 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/NZS 1720.

## NPD150/63/S INSTALLATION

### Locating NPD150/63/S

- Joist and Bearer are perpendicular to each other.
- Both joist and bearer are vertically plumb and levelled.
- Locate NPD150/63/S vertically central to junction.
- Select nail holes 20mm away from timber edge for both joist and bearer.
- When installed in PAIRS to resist horizontal loads, locate NPD150/63/S across from each other on opposing faces.
- NPD150/63/S installed vertically.
- Minimum timber thickness 35mm.



## INSTALLATION FOR SINGLE NPD150/63/S TO JOIST CROSSING PERPENDICULAR TO BEAM CONNECTION

### STEP 1



- Position the NPD150/63/S ensuring it is plumb and fix 5 x Pryda 35 x 3.15mm Stainless Steel Timber Connector Nails into the supporting timber member.
- Ensure the NPD150/63/S is vertical and firmly against the face of supporting and supported member.

### STEP 2



- Position the upper timber member and fix another 5 x Pryda 35 x 3.15mm Stainless Steel Timber Connector Nails.

Contact details	
Manufacture location	New Zealand
Legal and trading name of manufacturer	Kimberly Tool & Design (NZ) Limited
Legal and trading name of supplier	Pryda New Zealand -a Division of ITW New Zealand
Supplier address for service	23-29 Poland Road, Wairau Valley, Auckland, 0627, New Zealand
Supplier website	Pryda.co.nz
Supplier email	info@prydaanz.com
Supplier phone number	0800 88 22 44
Supplier NZBN	9429039833129