

NZ POLE TO GIRT BRACKET

CodeMark >>>
CMNZ-10028

A robust bracket fixing timber girts to poles.

FEATURES AND BENEFITS

SIMPLE: Butterfly shape design to accommodate connection for both flat and round timber members.

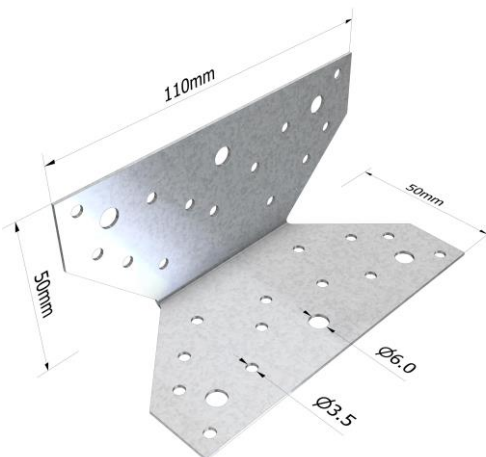
FAST: No checking of timber required when attaching a girt to either a flat or round pole.

DURABLE: The bracket is a one-piece anchor that can be used on either side and galvanised to Z275. For greater protection, Stainless Steel 304 is available.

SPECIFICATIONS

PRODUCT CODE	NPP2G, NPP2G/S
STEEL	G300 or Stainless Steel 304
THICKNESS	0.95mm
CORROSION RESISTANCE	Z275 or Stainless Steel 304
FASTENERS	Pryda 35 x 3.15mm Timber Connector Nails or 12G x 65mm Type 17 Hex Head screws.
SIZE	50/50 x 110mm

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



*All dimensions shown in "mm".

POLE TO GIRT BRACKET

PRODUCT CODE	MATERIAL	SIZE	QUANTITY
NPP2G	G300, Z275	50 x 50 x 110mm	1
NPP2G/S	Stainless Steel 304	50 x 50 x 110mm	1

Notes:

- Pryda CODEMARK certificate CMNZ10028 certifies Pryda Pole to Girt Bracket with use of NZ Pryda Timber Connector Nails or Screws. Other fixing methods are outside the scope of the CODEMARK.

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.

APPLICATION AND SCOPE OF USE

Pryda Pole to Girt 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). Fastener material type shall match the selected Pryda product. i.e., Galvanised fasteners with galvanised products. Stainless Steel fasteners with stainless steel products.

The Pryda Pole to Girt bracket provides a robust means of fixing timber girts to poles in Pole & Rafter buildings. The bracket is designed in a butterfly shape to easily wrap around the poles. The NPP2G is a variation of the Multigrip but with greater extension into the connected member and with the addition of screw holes provides greater fixing capacity.



The side flange can be bent to closely follow the curvature of a round pole for a Pole to girt connection.



Flat post to girt connection.

DESIGN CAPACITIES

The Pryda Pole - Girt brackets shall be installed in pairs with either:

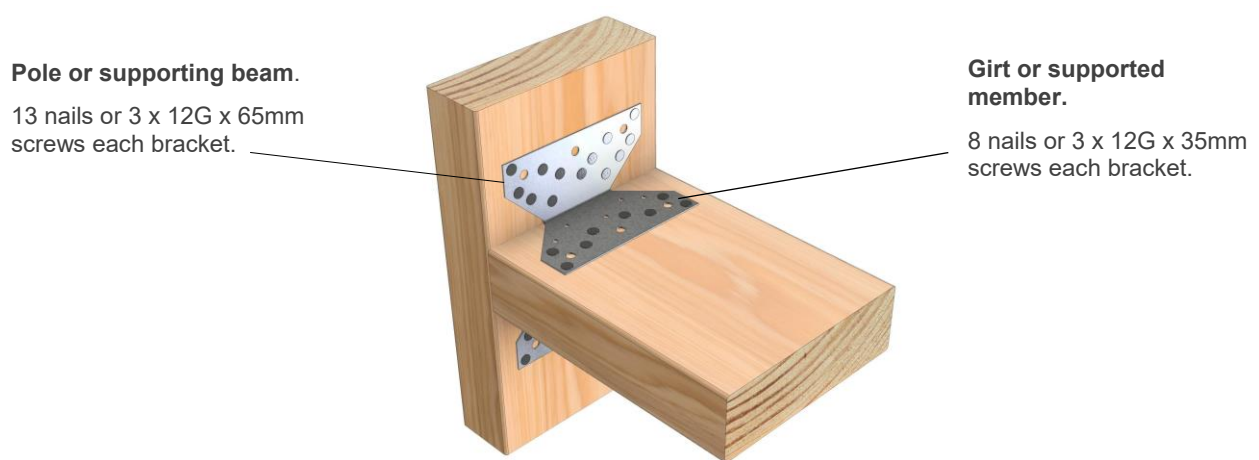
Nail fix using:

Pryda 35 x 3.15mm Timber Connector Nails per bracket: 13 nails to pole and 8 nails to girt.

Screw fix using:

Pryda 12G x 65mm Timber Connector Screws per bracket: 3 screws to pole.

Pryda 12G x 35mm Timber Connector Screws per bracket: 3 screws to girt.



LOAD CASE (LIMIT STATE DESIGN)	LOAD CAPACITIES(KN) FOR A PAIR OF NPPG2 BRACKETS FOR GIVEN LOAD CASE	
	JD5	
	NPP2G	NPP2G/S
1.35G	7.2	6.1
1.2G+1.5QF	8.7	7.4
1.2G+1.5QR	9.8	8.3
1.2G + Wd or Wind uplift	14.5	12.3

Notes:

1. Design values are based on SG8 timber and for timber (Pole and Girt) which meets minimum JD5 timber as defined in AS/NZS 1720.
2. Minimum timber thickness 45mm.
3. Installed in PAIRS, having one bracket on top and one bracket underside on opposing face.
4. Capacities shown are for vertical loads only.
5. Use stainless steel screws with stainless steel brackets.

INSTALLATION

ROUND POLE TO GIRT CONNECTION

STEP 1:

- Mark location ensuring sufficient end distance from pole cut end is achieved.
- Ensure the Pole is vertically plumb.
- Locate NPP2G or NPP2G/S to underside and central to Girt and fix bracket to pole with 13 x Pryda 35 x 3.15mm Timber Connector nails to small holes when using nails.
- Alternatively fix bracket with 3 x 12G x 65mm Type 17 Hex Head screws.



STEP 2:

- Install girt over bracket.
- Ensure girt plate is hard against pole and central to bracket.
- Fix bracket to girt with 8 x Pryda 35 x 3.15mm Timber Connector nails to small holes when using nails.
- Select nail holes away from girt cut-end.
- Alternatively fix bracket with 3 x 12G x 35mm Type 17 Hex Head screws.



STEP 3:

- Install top bracket directly over girt and against pole.
- Ensuring sufficient end distance from pole cut end is achieved.
- Fix bracket to pole with 13 x Pryda 35 x 3.15mm Timber Connector nails to small holes when using nails.
- Alternatively fix bracket to pole with 3 x 12G x 65mm Type 17 Hex Head screws.
- Fix bracket to girt with 8 x Pryda 35x3.15mm Timber Connector nails to small holes when using nails.
- Select nail holes away from girt cut-end.
- Alternatively fix bracket to girt with 3 x 12G x 35mm Type 17 Hex Head screws.



Contact details	
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