

NZ CEILING AND PURLIN HANGER

CodeMark 
CMNZ-10029

A simple and economical connection between timber members crossing at right angles.

FEATURES AND BENEFITS

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

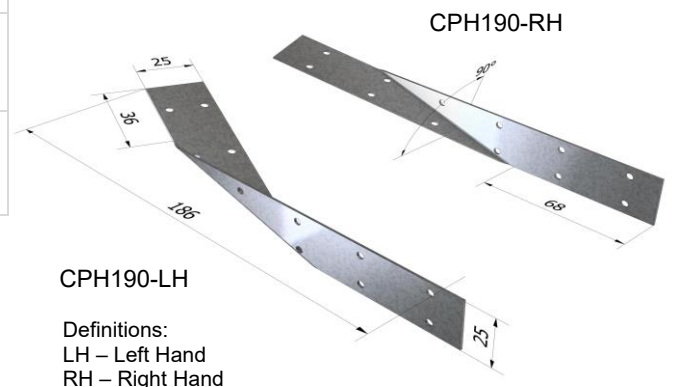
FAST: Can be used as a tie-down and hanging connector using nail fasteners.

DURABLE: Made from G300 Z275 steel or Stainless Steel 304.

SPECIFICATIONS

PRODUCT CODE	CPH190-LH, CPH190-RH, CPH190-LH/S, CPH190-RH/S
STEEL	G300 or Stainless Steel 304
THICKNESS	1mm
CORROSION RESISTANCE	Z275 or Stainless Steel 304
FASTENER	Pryda Timber Connector Nails 35 x 3.15mm

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



*All dimensions shown are in "mm".

CEILING AND PURLIN HANGER

PRODUCT CODE	MATERIAL	THICKNESS (mm)	LENGTH (mm)
CPH190-LH	G300 Z275	1	186
CPH190-RH		1	186
CPH190-LH/S	STAINLESS STEEL 304	1	186
CPH190-RH/S		1	186

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	Pryda Stainless Steel 304 Products ⁽³⁾	
		Vented MORE than 7000mm ² /m ²	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.

DESIGN CAPACITIES

Design Loads are for a PAIR of Hangers CPH190-LH and CPH190-RH

NAILS PER LEG (EACH END)	DESIGN CAPACITY (ϕN_j) (kN) FOR TIMBER JOINT GROUP (CPH190-LH, CPH190-RH)
	JD5
2	5.3
3	8
4	10.7

Notes:

1. Design values are based on SG8 timber and for timber which meets minimum JD5 timber as defined in AS/NZS 1720.
2. Limit State Design capacities are shown in table to resist Wind Uplift.
3. Use Pryda 35 x 3.15mm Timber Connector Nails.

Design Loads are for a PAIR of Stainless Steel Hangers CPH190-LH/S and CPH190-RH/S

NAILS PER LEG (EACH END)	DESIGN CAPACITY (ϕN_j) (kN) FOR TIMBER JOINT GROUP (CPH190-LH/S, CPH190-RH/S)
	JD5
2	3.6
3	5.5
4	7.3

Notes:

1. Design values are based on SG8 timber and for timber which meets minimum JD5 timber as defined in AS/NZS 1720.
2. Limit State Design capacities are shown in table to resist Wind Uplift.
3. Use Pryda Stainless Steel 35 x 3.15mm Timber Connector Nails.

APPLICATION AND SCOPE OF USE

Pryda Ceiling and Purlin Hangers are simple tie-down connectors with a variety of uses in the building.

Pryda Ceiling and Purlin Hangers 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.

INSTALLATION FOR CEILING JOIST CROSSING PERPENDICULAR TO BEAM CONNECTION

STEP 1



- Ensure the crossing members are plumb and crossing perpendicular to each other. Position the short leg of the Ceiling and Purlin Hanger to the supported member (ceiling joist), making sure the hanger leg is laying flat on the timber face.
- The long leg of the Ceiling and Purlin Hanger should also lay flat to the supporting member timber face.
- Fix each leg with the same number of nails according to the capacity table. 3 x Pryda 35 x 3.15mm Timber Connector Nails option shown, fixed to each leg.

STEP 2A



- The Ceiling and Purlin Hangers are to be installed in PAIRS at each support.
- Avoid positioning the hanger where nails are too close to the timber edge. Timber at the connection point must be free from any timber defects such as knots, waness, and splits.
- Left Hand (LH) and Right Hand (RH) shown.

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For more information call 1300 657 052 (Australia), 0800 88 22 44 (New Zealand) or email info@pryda.com.au

STEP 2B



- Ceiling and Purlin Hangers installed on opposing corners using 2 x LH, fixed with 3 nails option to each leg per hanger. Hanger installed in PAIRS.

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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