PRODUCT DATA SHEET

NZ PRYDA FACE MOUNT HANGER

Simple means of connecting two members at 90° to either timber or metal beam

FEATURES AND BENEFITS

SIMPLE: Can be installed without needing to create special housings or high skill timber joints for I-joist or solid joist.

FAST: Comes with the fasteners (Pryda 40 x 3.75mm Timber Connector nails) required, including screws to prevent squeaking, and can be fastened with Pryda 12G x 35mm Timber Connector Screws.

DURABLE: 1.2mm thick Z275 galvanised G300 steel.

SPECIFICATIONS

PRODUCT CODE	MPFB(W)(D)* (See table for available sizes)
STEEL	G300
THICKNESS	1.2mm
CORROSION RESISTANCE	Z275
FASTENERS	Pryda 40 x 3.75 mm Timber Connector Nails. **OR** Pryda 12G x 35 mm or Timber Connector Screws – painted red head. **AND** 6G x 30 mm wafer head screw.
HEIGHTS	235mm
WIDTHS	90mm

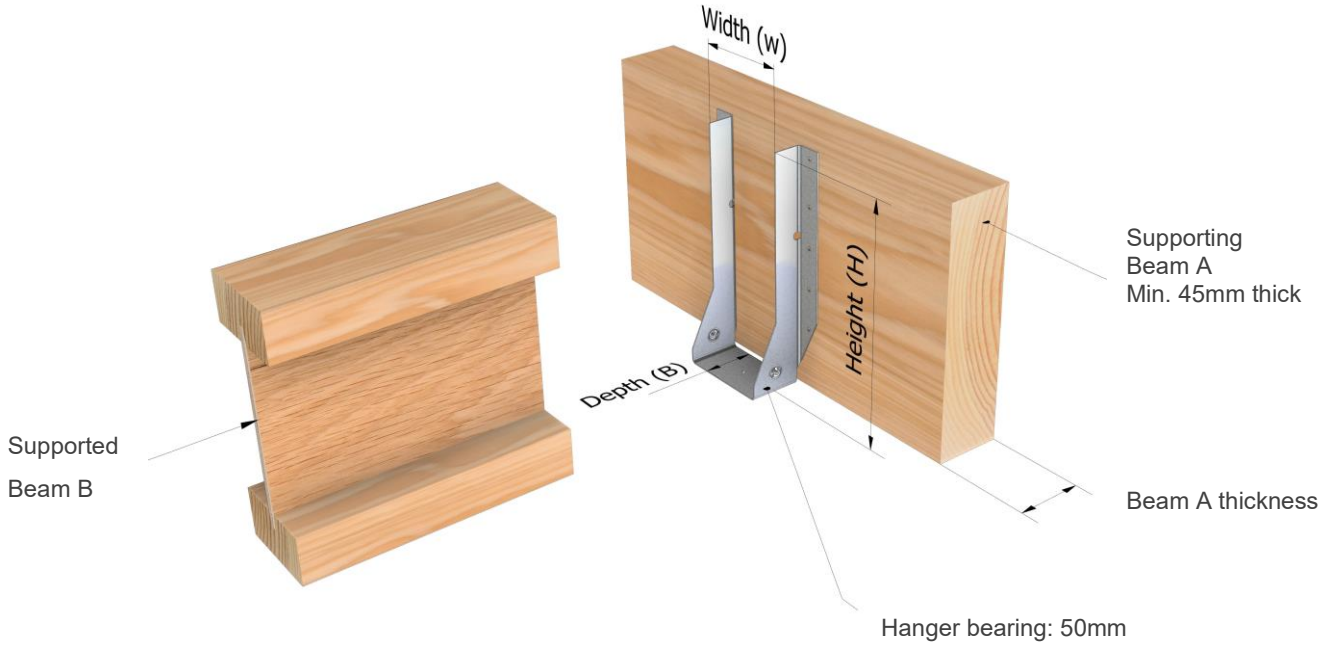
*All dimensions shown in “mm”.

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

FACE MOUNT HANGER

PRODUCT CODE	H (MM)	W (MM)	B (MM)	FACE NAIL HOLES
LF235/90	235	90	50	10

CONNECTION DEFINITION



- Face Mount bracket can be used to support solid joists of comparable size.
- Unless the top of the supported beam is provided with additional lateral restraints, the bracket must cover at least 60% of the depth of the supported beam.

DESIGN CAPACITY- LIMIT STATE DESIGN

Tabulated below are design capacities for Pryda I-joist Face Mount Hangers based on the specified number of nails or screws shown. “Face nails” are driven into the face of the supporting beam.

PRODUCT CODE	MATERIAL	QTY	HEIGHT	WIDTH	FACE FASTENERS REQUIRED CHOOSE EITHER NAILS OR SCREWS		1.2G + 1.5QF (DEAD & FLOOR LIVE) DESIGN CAPACITY, ΦNJ (KN) FOR SUPPORTING BEAM WITH JOINT GROUP
					NAILS	SCREWS	J5
LF235/90	G300, Z275 Galvanised Steel	25	235	90	10	10	7.2

Notes:

1. Design capacities applies for dry (maximum moisture content of 18%) Radiata Pine and Douglas Fir timber grade SG8 and for timber which meets J5 timber in accordance with NZS3604.
2. The above tabulated capacities are for a minimum supporting beam thickness of 45 mm.
3. Use only Pryda 40 x 3.75mm Pryda Timber Connector Nails. Pryda Timber Connector Screws (TCS12-35) may be used as an alternative.
4. Gap between Supported and Supporting Beams: A maximum gap of 3mm is permitted without a reduction in design capacity. A larger gap would result in a rotation of the supported beam under downward loads and could compromise on end distance requirements of underside screw, resulting in reduced uplift capacities. Seek advice from a Pryda Engineer regarding treatment of large gaps.

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 Face Mount Hanger is 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 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 I-joist 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).

Pryda I-Joist Face Mount Hanger is suitable for many joints including:

- Joist to beam
- I-joist to beam

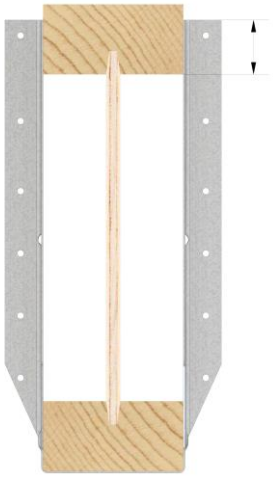
I-joist to beam support using screw fix option.

Double laminated joists to beam support, showing nail fix option. Screws can also be used refer to table for details.

INSTALLATION

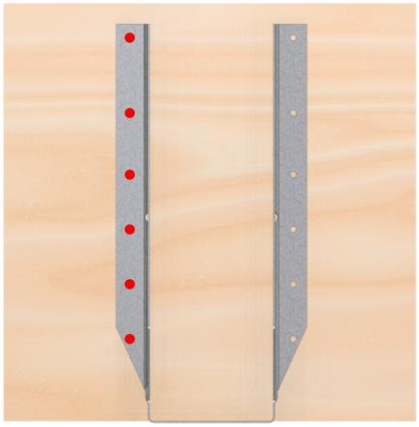
To achieve the specified design loads, Pryda I-Joist Hangers must be correctly installed as specified in the following sections: Refer to I-joist manufacturers' instruction manuals for span table selection and other details for on-site installation of their respective systems.

STEP 1



- Before installing, ensure I-Joist hanger is deep enough to cover at least 10mm of the top flange of the I-Joist.

STEP 2

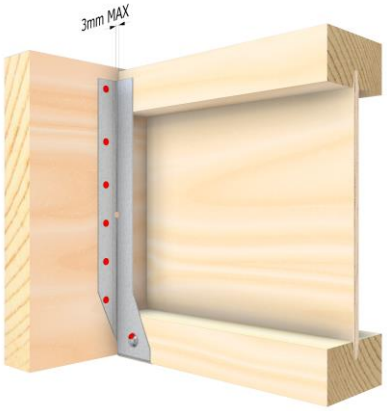


- Line up I-Joist Hanger on the supporting beam and fasten only one side initially using the number of nails or screws specified in the tables above.
- If both sides are fastened before the supported beam is slotted in, the final connection could be:

  - Too loose, leading to squeaking and reduced design values

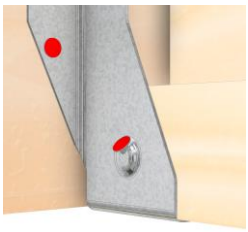
  - Too tight, meaning the beam will not fit.

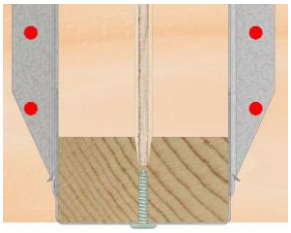
STEP 3



- Place the I-Joist into the bracket ensuring it is right up against supporting beam.
- Any gap greater than 3mm will reduce capacity.
- Fix off the remaining side ensuring the hanger is snug up against the I-Joist.

STEP 4





- To prevent the I-Joist squeaking in the hanger: - Skew nail into the dimples of each side near the bottom of the hanger.
- Screw the included 30mm x 6 Gauge screws into the hole on the bottom as illustrated above.
- Note: Use the recommended screw to seat the I-Joist into the hanger properly to help minimise squeaks. Alternatively, if nails are used from sides, ensure they are adopted to avoid squeaks from nails coming into contact with the hanger's seat.

Contact details	
Manufacture location	Overseas
Legal and trading name of manufacturer	Exim Engineering Pty Ltd
Legal and trading name of importer	Pryda New Zealand -a Division of ITW New Zealand
Importer address for service	23-29 Poland Road, Wairau Valley, Auckland, 0627, New Zealand
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Importer phone number	0800 88 22 44
Importer NZBN	9429039833129