

NZ SPLIT JOIST HANGER

CodeMark 
CMNZ-10030

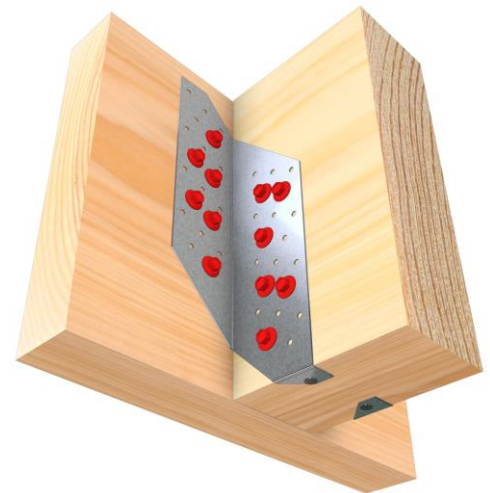
Heavy duty hanger that is adjustable to multiple timber sizes.

FEATURES AND BENEFITS

SIMPLE: Can accommodate multiple timber sizes, negating the need to carry multiple different joist hangers.

FAST: Can be fastened with Pryda 12G x 35mm Timber Connector Screws.

DURABLE: 1.6mm thick galvanised steel engineered to resist gravity loads and wind uplift loads as well as lateral rotation.



SPECIFICATIONS

PRODUCT CODE	JHHS
STEEL	G300
THICKNESS	1.6mm
CORROSION RESISTANCE	Z275
FASTENERS REQUIRED	Pryda 35 x 3.15mm Timber Connector Nails OR Pryda 12G x 35mm Timber Connector Screws – painted red head
HEIGHT	233mm
WIDTH	Each tab 17mm wide for a minimum 35mm width timber. Maximum supported timber width not to exceed 135mm.
DEPTH	62mm
QUANTITY	5 pairs (10 pieces total with 5 left hand and 5 right hand)



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."

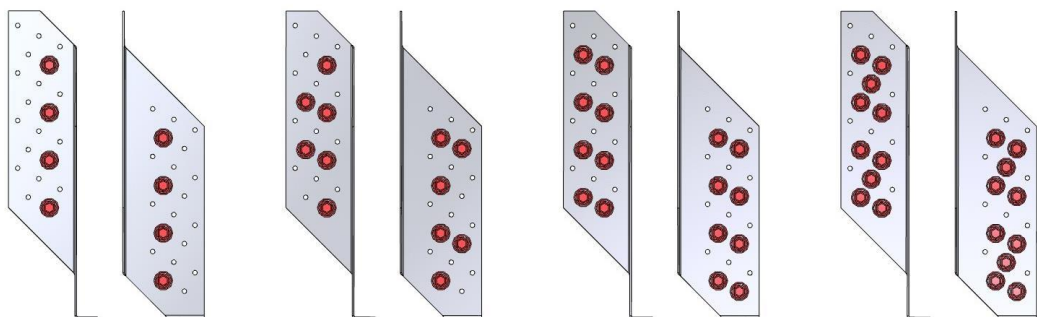
DESIGN CAPACITIES PER PAIR OF SPLIT JOIST HANGERS

LOAD CASE	DESIGN CAPACITIES (ΦN _J) IN kN PER PAIR OF JHHS FOR FASTENERS AND JOINT GROUP	
	PRYDA 35 x 3.15MM TIMBER CONNECTOR NAILS (OSNGB)	PRYDA 12G x 35MM TIMBER CONNECTOR SCREWS (TCS12-35) 6 screws per hanger per beam (see note 7 for options)
	16 nails per hanger per beam	
	JD5	JD5
1.35G	11.9	10.5
1.2G + 1.5Qf	14	12.7
1.2G + 1.5Qr	16	14
1.2G + Wd or Wind uplift	23.8	21

Notes:

- Beam A (Supporting Beam) and Beam B (Supported Beam) must be a minimum 240mm deep to achieve above nail capacities or 200mm to achieve screw capacities.
- JHHS must be used in PAIRS.
- JHHS supports variable widths. Width should be limited by the designer to prevent eccentric loading on the bracket.
- 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.
- Multiple Laminated Supporting Beams:** Fasteners with longer lengths are required when JHHS brackets are fixed into a multiple laminated supporting beam. For double laminates, use 65mm long nails or screws. Alternatively, for double or triple laminated supporting beams, additional fixings may be provided at hanger locations to laminate plies. Seek advice from the Project Consulting Engineer.
- Pryda CODEMARK certificate CMNZ10030 certifies Pryda JHHS with use of NZ Pryda Timber Connector Nails or Screws. Other fixing methods are outside the scope of the CODEMARK.
- Screw Fixing Options-** Further to capacities given above using 6 screws per hanger per beam, different screw configurations may be used as illustrated below. Adjust capacities accordingly, by using a factor (n/6) where n = number of screws used per hanger per beam. Limit maximum capacity to 40.0 kN irrespective of load case.
- Gap between Supported and Supporting Beams.** A maximum gap of 3mm is permitted without impeding on the design capacities. Seek advice from a Pryda engineer for treatment of larger gaps.

SCREW FIXING OPTIONS



Fixing per hanger per beam	4 Screws	6 Screws	8 Screws	10 Screws
Modified Capacity	Table Value x 0.67	Use Table Value	Table Value x 1.33	Table Value x 1.67
Min. Beam Height	200mm	200mm	240mm	240mm

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 Split Joist 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 Split 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).

- Common and Wide joist support
- Truss Support
- Double Joist
- Beam to beam

INSTALLATION OF SPLIT JOIST HANGER

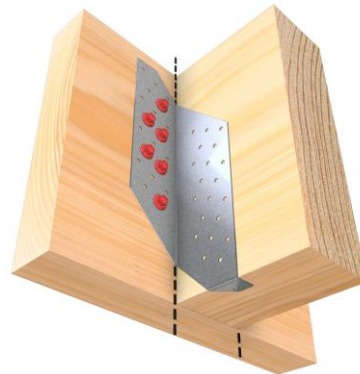
STEP 1

Determine the number of fasteners required using the design values table and your plan. Measure and mark the location of the supported beam, on the supporting beam. Ensure both supporting beam and supported member are vertically plumb.



STEP 2

Position and install one side of the Split Joist Hanger on the supporting beam and fasten in place.



STEP 3

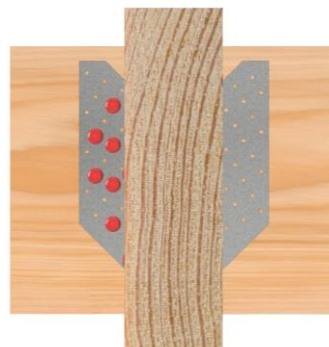
Position the beam to be supported on the split joist hanger ensuring it is up tight against the supporting beam and hanging bracket. Fasten nail to bottom tab and fasten hanger to beam adopting the selected screw option pattern.

Supported beam width should be limited by the designer to prevent eccentric loading on the bracket. Maximum recommended beam width should not exceed 135mm.



STEP 4

Position the second Split Joist Hanger ensuring it is up tight against both beams.



STEP 5

Fix off the second Split Joist Hanger starting at the supporting beam connection.

**STEP 6**

Finish by fixing the supported beam on both sides.



FASTENING SPLIT JOIST HANGERS

BUILD WITH CONFIDENCE

Where possible, hand nailing with Pryda Timber Connector nails is always preferred, why?

- Pryda Timber Connector Nails are forged in one piece, unlike clouts that are two pieces soldered together, meaning the head can pop off.
- Pryda Nails are the correct diameter, ensuring a tight fit in pre-punched holes = a stronger connection.
- Design values and testing have all been conducted using Pryda Timber Connector Nails.
- Hand hammered nails ensure correct nail positioning and drive depth (not driven too shallow or too deep).

PRYDA CODEMARK CERTIFICATE CMNZ10030 CERTIFIES PRYDA SPLIT HANGER WITH USE OF NZ PRYDA TIMBER CONNECTOR NAILS OR SCREWS. OTHER FIXING METHODS ARE OUTSIDE THE SCOPE OF THE CODEMARK.

USING PASLODE MACHINE DRIVEN NAILS

Paslode's PPN-Master positive placement nailer replicates the accuracy of hand nailing by using a probing tip to fire nails through holes in the connector. Pryda supports the use of the PPN-Master for these products. Unlike traditional nailing tools, no design capacity reduction is required when using the PPN-Master.

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