

NZ VARIABLE SKEW ANGLE BRACKET

CodeMark >>>
CMNZ-10030

Strong and versatile bracket that can be used as a seat support.

FEATURES AND BENEFITS

SIMPLE: Simple design.

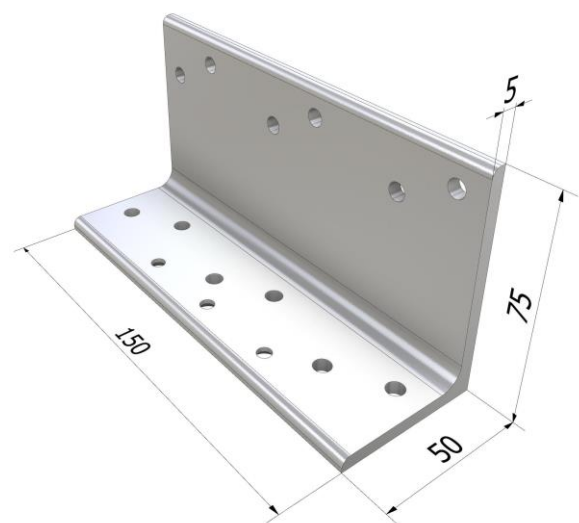
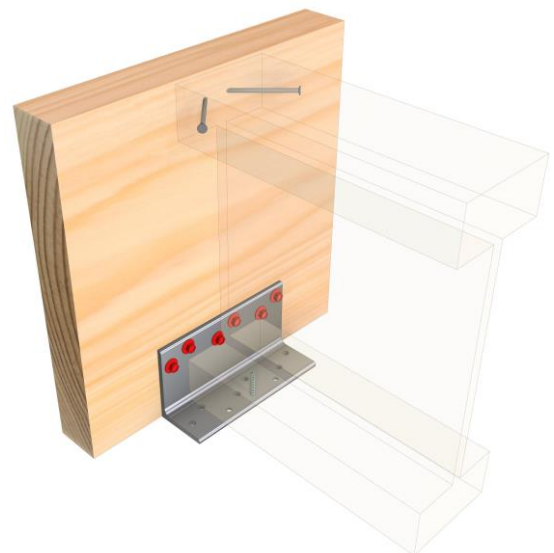
FAST: Fixed with Pryda 12G x 35mm Timber Connector Screws – painted red head.

DURABLE: 5mm thick, HDG galvanised steel. Used in a 'horizontal' orientation as an angle seat to support beams or trusses coming in at any direction.

SPECIFICATIONS

PRODUCT CODE	LVSIA
STEEL	G300
THICKNESS	5mm
CORROSION RESISTANCE	Hot Dipped Galvanised
FASTENERS REQUIRED	Pryda 12G x 35mm Timber Connector Screws - painted red head
HEIGHT	75mm
WIDTH	150mm
DEPTH	50mm
QUANTITY	10 pieces

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."

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 Variable Skew Angle Bracket is only available in HDG, 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.

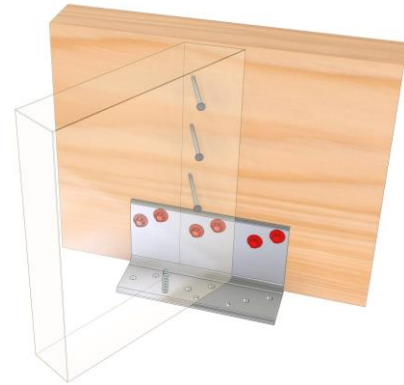
Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1.

DESIGN CAPACITIES

SEAT HANGER

Fixings – 6 x Pryda TCS12-35 screws on vertical leg and 1/10G x 30mm Type 17 counter-sunk screw on horizontal leg.

JOINT GROUP	LOAD CAPACITIES(KN) FOR LVSIA AS AN ANGLE SEAT FOR GIVEN LOAD CASE			
	1.35G	1.2G+1.5QF	1.2G+1.5QR	WIND UPLIFT
JD5	6.6	8.0	8.9	1.2



NOTES:

1. The supported beam must be laterally tied to prevent rotation by fixing the upper section of the supported beam with skew nails into supporting beam or through the supporting beam into the end grain of supported beam with long screws. Consult project Engineer for approved details.

2. 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.

3. Longer lengths screws are required when LVSIA brackets are fixed into multiple laminated beams. For double 35mm laminates, use 6 x 12G x 65mm Type 17 Hex head screws. Multiple laminated beams fixings to be designed and approved by consulting project Engineer.

Pryda CoreMark certificate CMNZ10030 certifies Pryda LVSIA with use of NZ Pryda Timber Connector screws. Other fixing methods are outside the scope of the CoreMark.

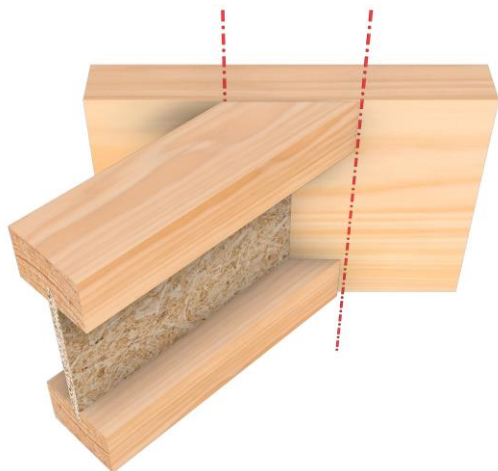
APPLICATION AND SCOPE OF USE

Pryda Variable Skew Angle bracket is 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).

- Joist support
- Truss Support
- Double Joist support

INSTALLATION OF LVZIA AS A HANGER SEAT

STEP 1



- Measure and mark location of the supported member on to supporting beam.

STEP 2



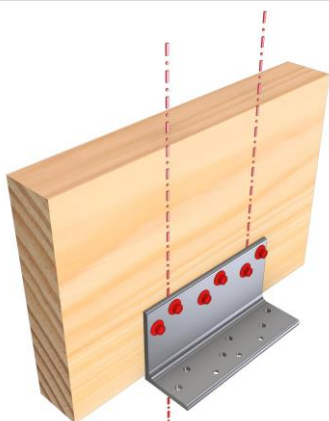
Flush finish for direct fixed ceiling



Set-down 5mm max. for ceiling with battens

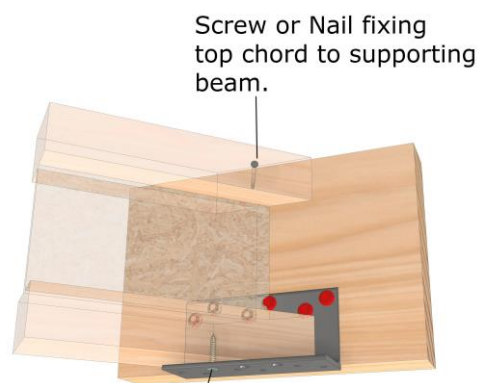
- Line up LVZIA so that the longer leg is on the supporting beam and the shorter leg will be the seat.
- Ensure bottom of bracket is flush with the bottom of the timber if direct fix plasterboard will be installed.
- Alternatively set the LVZIA 5mm maximum below bottom edge of supporting beam for alternate ceiling fixing style. i.e., on battens

STEP 3



- Fix 6 x Pryda 12G x 35mm Timber Connector Screws – painted red head, into the supporting member.

STEP 4



Screw or Nail fixing top chord to supporting beam.

1xNo.10x30mm
Type 17 screw

- Sit the supported member centrally in the seat at the desired angle and tight up against the bracket.
- Fix 1 x 10G x 30mm Type 17 counter-sunk screw into the supported beam from below.
- Screw or nail fix the top of the supported joist to supporting beam.
- Refer to selected proprietary joist for installation guidelines or approved connection by your consulting project Engineer.

Contact details	
Manufacture location	Overseas
Legal and trading name of manufacturer	Shanghai Zenith International Trading Company Co 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
Importer website	Pryda.co.nz
Importer email	info@prydaanz.com
Importer phone number	0800 88 22 44
Importer NZBN	9429039833129