

NZ PRYDA STUD ANCHOR

CodeMark 
CMNZ-10028

6kn or 12kn capacity fixing stud tie-down

FEATURES AND BENEFITS

SIMPLE: A bracket that can be fixed with nails and screws using common on-site tools.

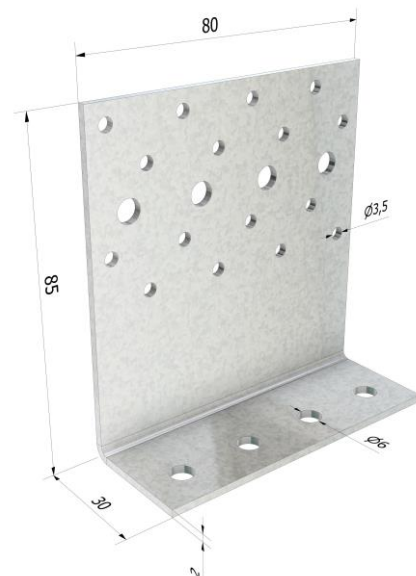
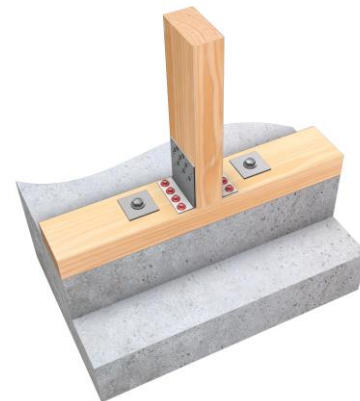
FAST: Able to be retrofitted if external wall lining / cladding already installed.

DURABLE: Made from 2mm thick G300 Steel galvanised to Z275.

SPECIFICATIONS

PRODUCT CODE	SBA
STEEL	G300
THICKNESS	2mm
CORROSION RESISTANCE	Z275
FASTENERS	Pryda 30 x 3.15mm Timber Connector Nails and Pryda 12G x 35mm Timber Connector Screws.
SIZE	85 x 30 x 80mm

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".

PRYDA STUD ANCHOR

PRODUCT CODE	MATERIAL	SIZE	QUANTITY
SBA	G300, Z275	85 x 30 x 80mm	1

DESIGN CAPACITY 6kN or 12 kN – Resist Wind load

JOINT GROUP	LOAD CAPACITIES(KN) FOR SINGLE SBA FOR GIVEN LOAD CASE
	1.2G + Wd or Wind uplift
JD5	7.6

- Loads can be doubled when used in PAIRS to same stud. Bottom plate anchor required to resist uplift load.
- Capacity can be achieved by fixing 8 x 30 x 3.15mm Pryda Connector Nails to stud and 4 x 12G x 35mm Pryda Timber Connector screws to wall plate for each Bracket.
- Alternatively, 3 x 12G x 35mm Pryda Timber Connector screws to stud and 4 x 12G x 35mm Pryda Timber Connector screws to wall plate for each bracket.
- Design values are based on SG8 timber and for timber which meets minimum JD5 timber as defined in AS/NZS 1720.
- Limit State Design capacities are shown in table to resist Wind Uplift.

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 Stud Anchor 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	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.

APPLICATION AND SCOPE OF USE

Pryda Stud Anchor 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).

The Pryda Stud Anchor is an easy-to-use 6kN or 12kN capacity wall stud-to-bottom plate or Top plate-to-stud tie-down anchor. Due to the slim profile and side fixing method, it can be easily retrofitted after external cladding have been installed from internal wall face access.

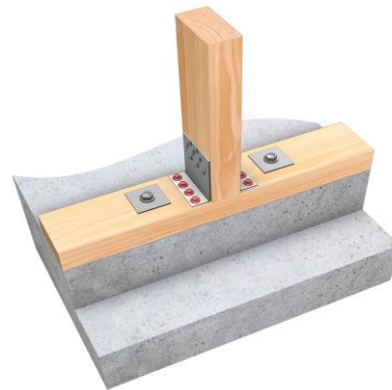


Stud-to-bottom plate tie-down with single SBA.



Top plate-to-stud tie-down with single SBA.

6kN: One connector provides 6kN capacity fixing of wall stud to bottom plate.



Stud-to-bottom plate tie-down with a PAIR of SBAs.



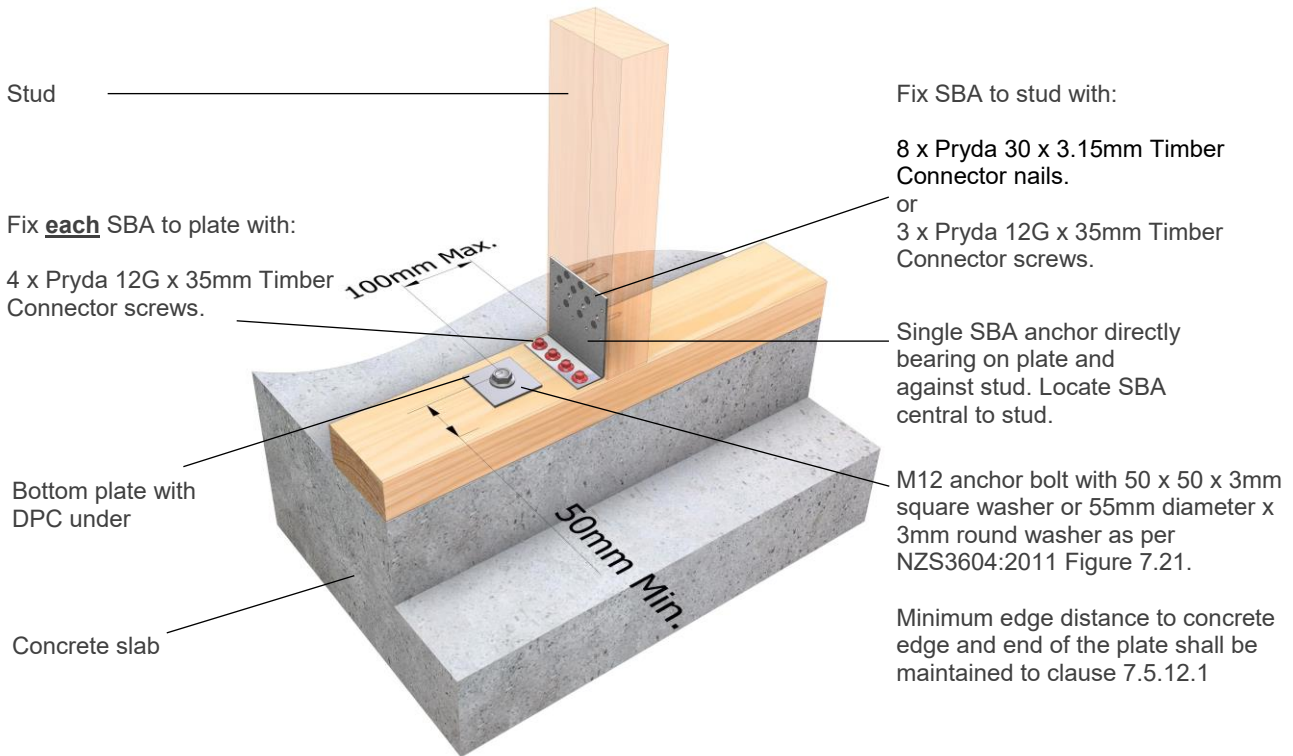
Top plate-to-stud tie-down with a PAIR of SBAs.

12kN: Use 2 connectors, one each face of stud (e.g., Boundary fire wall – single storey garage).

INSTALLATION

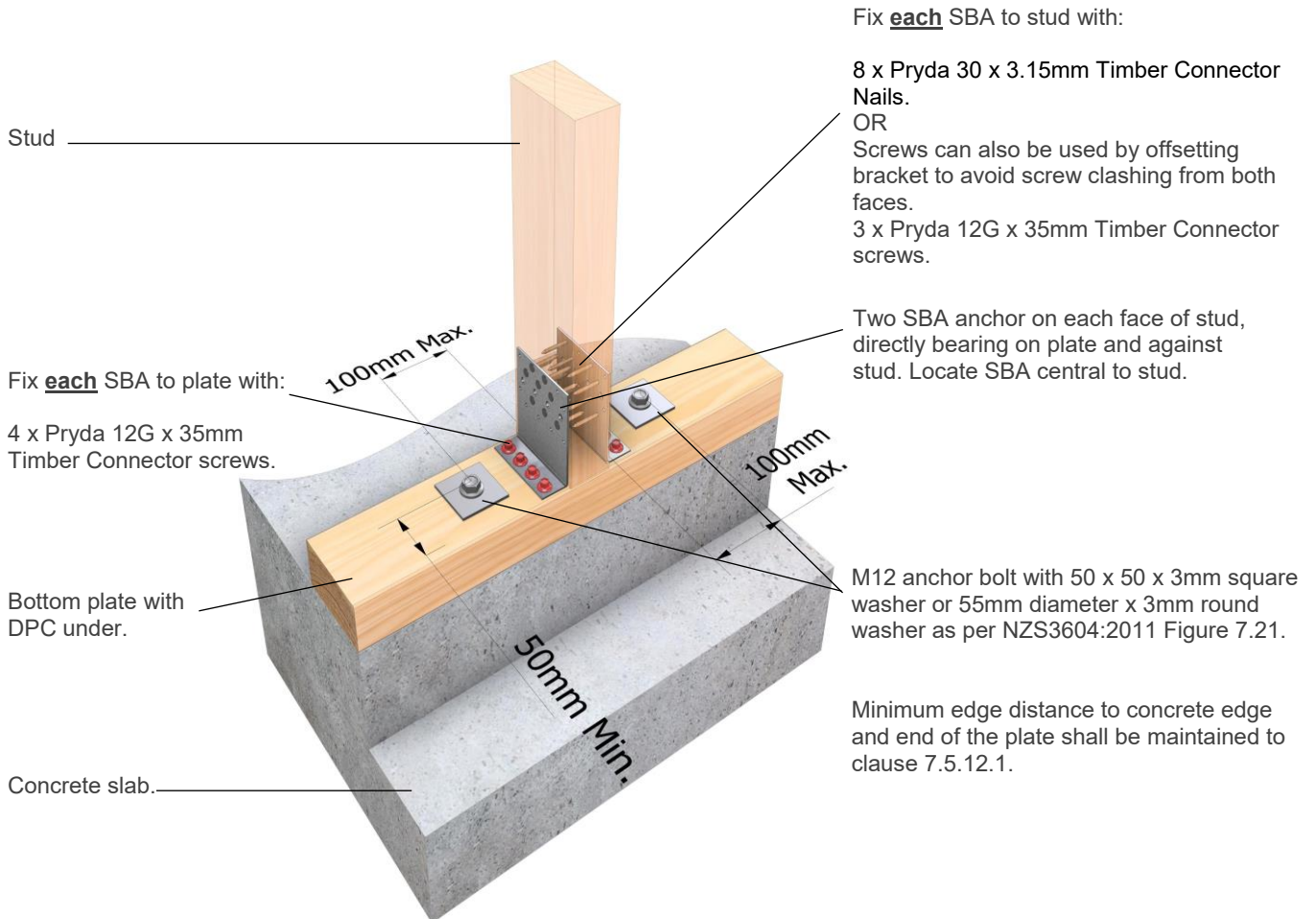
WALL STUD TO BOTTOM PLATE ANCHOR

Detail A



6kN Installation Detail A: One connector provides 6kN capacity fixing of wall stud to bottom plate. The same fixings can be adopted for top plate-to-stud tie-down using SBA anchor only. Top plate and stud assumed to be fixed in accordance to framing design to NZS3604:2011

Detail B



12kN Installation Detail B: Use 2 connectors, one each face of stud (e.g., Boundary fire wall – single storey garage). The same fixings can be adopted for top plate-to-stud tie-down using a pair of SBA anchors only. Top plate and stud assumed to be fixed in accordance to framing design to NZS3604:2011

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
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Supplier NZBN	9429039833129