

# NZ PRYDA SHEET BRACE STRAPS (SBS)

**CodeMark**   
CMNZ-10028

Tie-down fixing for wall panels.

### FEATURES AND BENEFITS

**SIMPLE:** Multiple lengths to suit different applications.

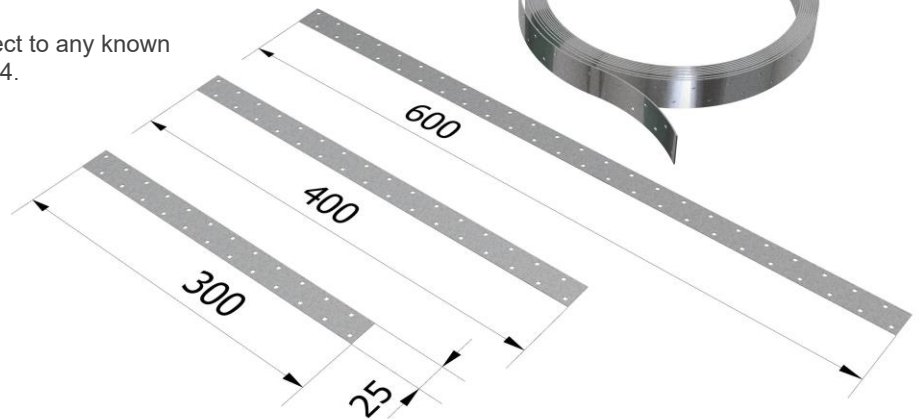
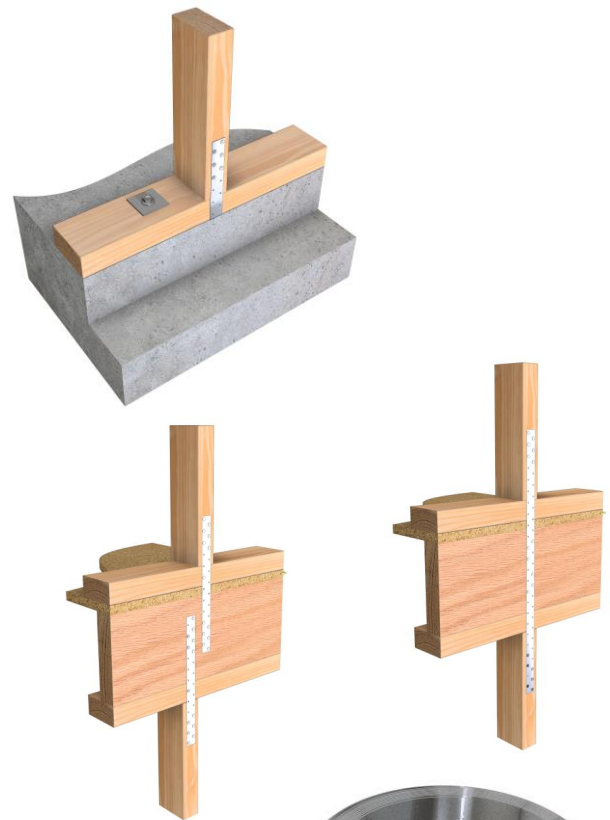
**FAST:** Simply select the pre-cut lengths to best suit the application and hammer fix nails to the selected pre-punched holes.

**DURABLE:** Made from 1mm thick G300 Z275 galvanised steel or Stainless Steel 304.

### SPECIFICATIONS

<b>PRODUCT CODE</b>	SBS* (See table for available lengths)
<b>STEEL</b>	G300 or Stainless Steel 304
<b>THICKNESS</b>	1mm
<b>CORROSION RESISTANCE</b>	Z275 or Stainless Steel 304
<b>FASTENERS</b>	Pryda 35 x 3.15mm Timber Connector Nails
<b>SIZE</b>	25 x 1mm (See table for available lengths)

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."

## SHEET BRACE STRAP

PRODUCT CODE	MATERIAL	SIZE (mm)	LENGTH (mm)
SBS300	G300, Z275	25 x 1mm	300
SBS400			400
SBS600			600
SBS300/S	Stainless Steel 304		300
SBS400/S			400
SBS600/S			600
COIL			LENGTH (m)
SBS10M	G300, Z275	25 x 1mm	10
SBS30M			30

Note:

Use stainless steel nails with all stainless steel sheet brace straps. Pryda galvanised Connector nails are suitable for G300, Z275 Sheet Brace Straps only.

## DESIGN CAPACITY TO AS3604:2011 TO PREVENT UPLIFT

NAILS PER LEG (EACH END)	DESIGN CAPACITY ( $\phi N_{t,j}$ ) (kN) FOR TIMBER JOINT GROUP (TENSION)
	JD5
6	7.5

Notes:

- Capacity is based on 6 x 35 x 3.15mm nails to each end of strap, per strap and fixed as shown in NZS3604:2011 Figure 8.12 and clause 8.6.1.8.
- 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.

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 <sup>2</sup> /m <sup>2</sup> or LESS	Sheltered	Pryda Stainless Steel 304 Products <sup>(3)</sup>
		Vented MORE than 7000mm <sup>2</sup> /m <sup>2</sup>	Exposed	Pryda Stainless Steel 304 Products <sup>(3)</sup>
	All subfloor fastenings within 600mm of the ground	Sheltered and Exposed		Pryda Stainless Steel 304 Products <sup>(3)</sup>
	All other structural fixings	Sheltered		Pryda Stainless Steel 304 Products <sup>(3)</sup>
Exposed		Pryda Stainless Steel 304 Products <sup>(3)</sup>		
Zone D	All structural fixings	Sheltered and Exposed		Pryda Stainless Steel 304 Products <sup>(3)</sup>

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.

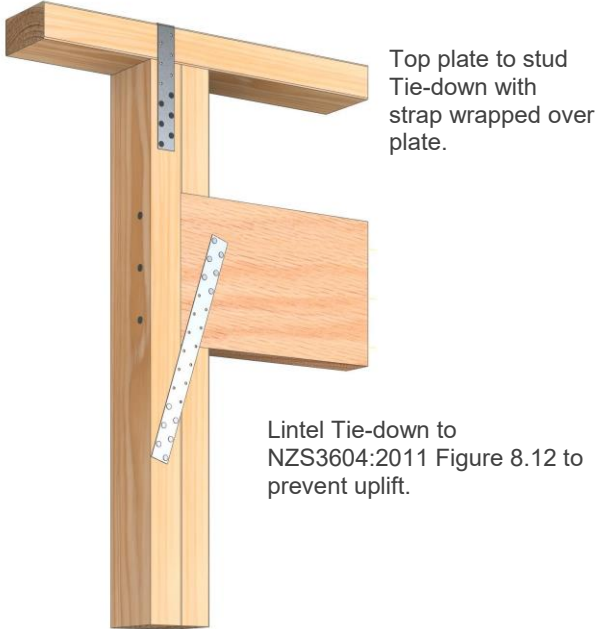
**Clause F2 HAZARDOUS BUILDING MATERIALS:** Performance F2.3.1.

## APPLICATION AND SCOPE OF USE

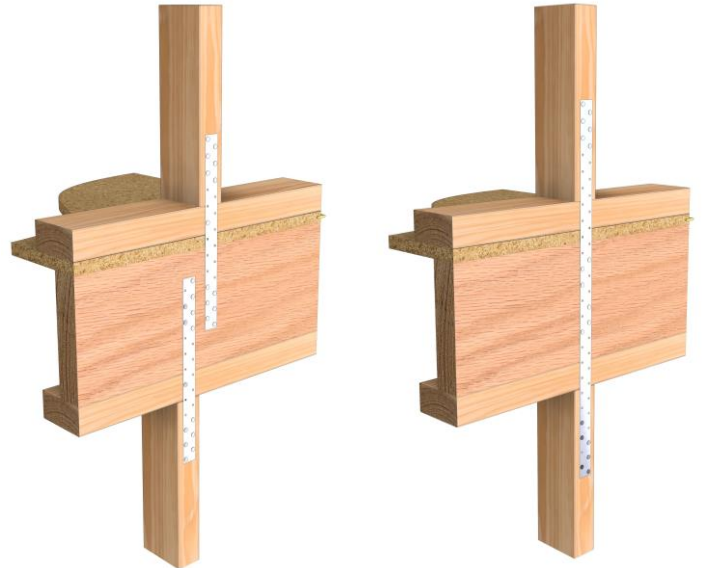
Pryda Sheet Brace Straps (SBS) are certified when used and installed in accordance with the product datasheet shown connection details. Pryda fasteners approved for the installation form an integral part of the connection and therefore should be used with all Pryda products installation unless otherwise 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.

## NZ SHEET BRACE STRAPS DATA SHEET

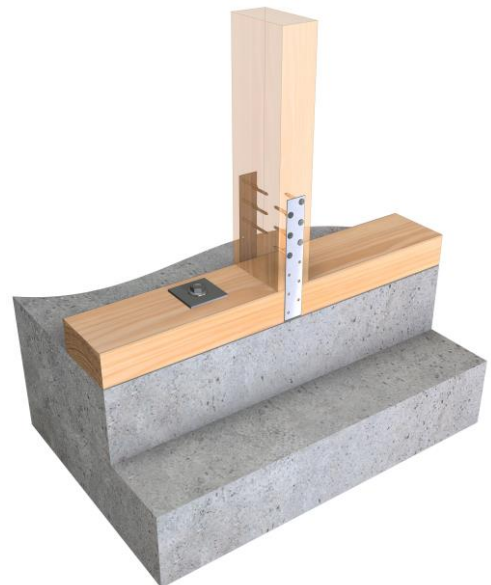
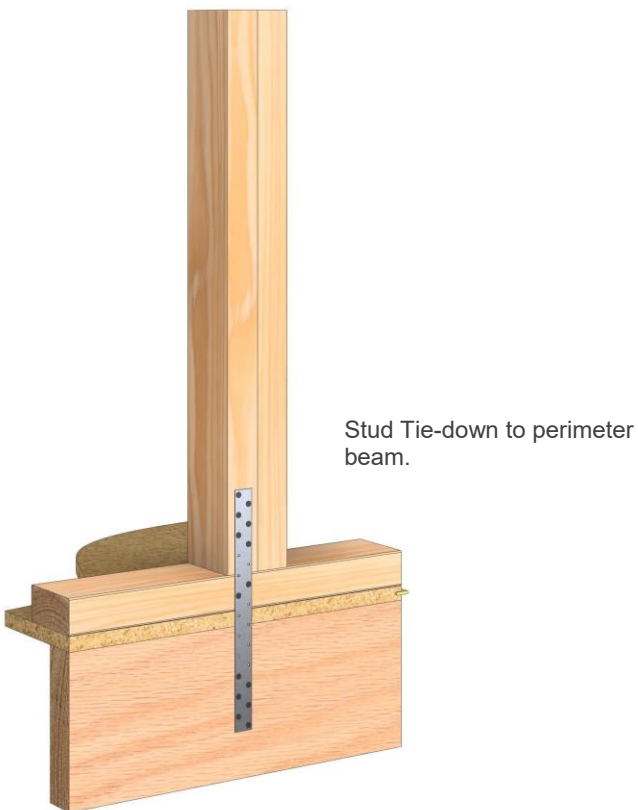
Pryda Sheet Brace Straps are mild steel straps providing the required 7.5 kN tension capacity fixing for various components in wall panels. They comply with the requirements of section 8 NZS3604:2011 and are also popular as a method of lintel tie down. Where straps longer than 600m are required 30m coils are available. The coils can easily be cut to the required length.



Lintel Tie-down to  
NZS3604:2011 Figure 8.12 to  
prevent uplift.



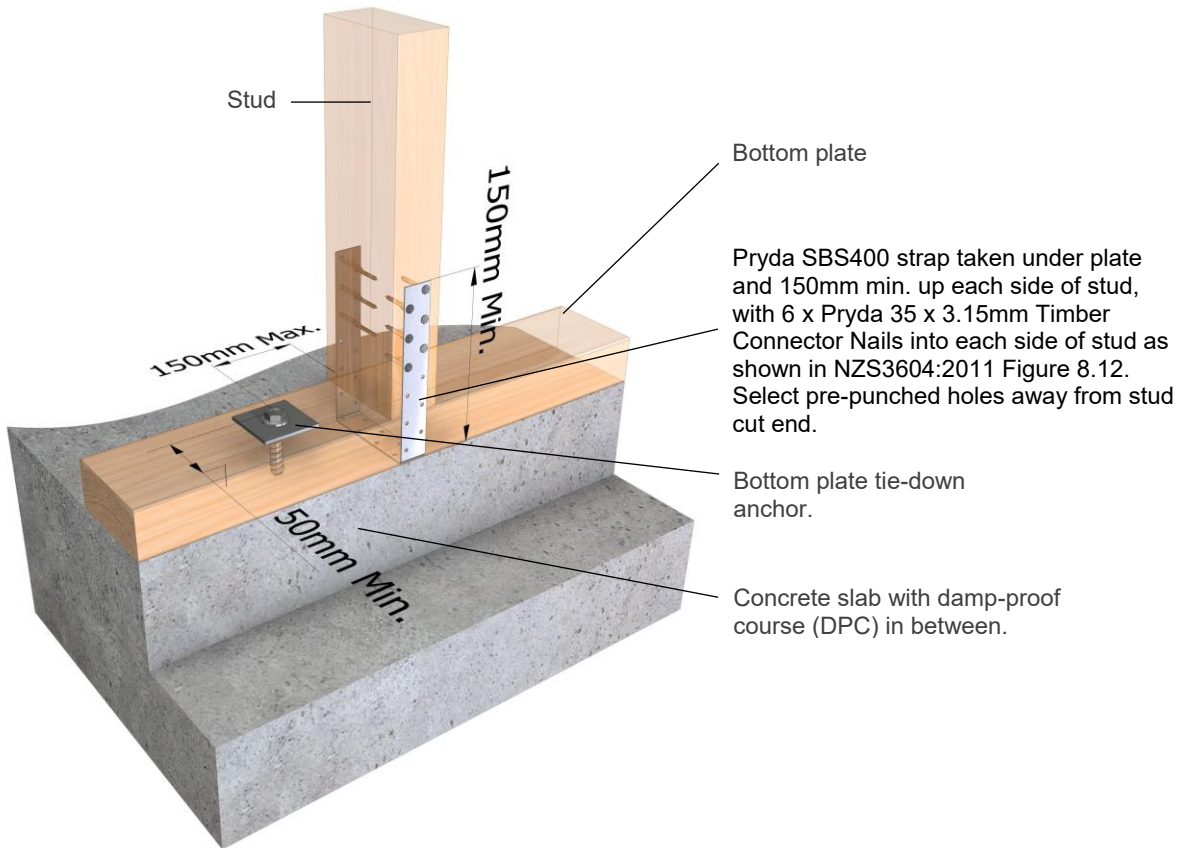
Offset or in-line  
continuity Tie-down.



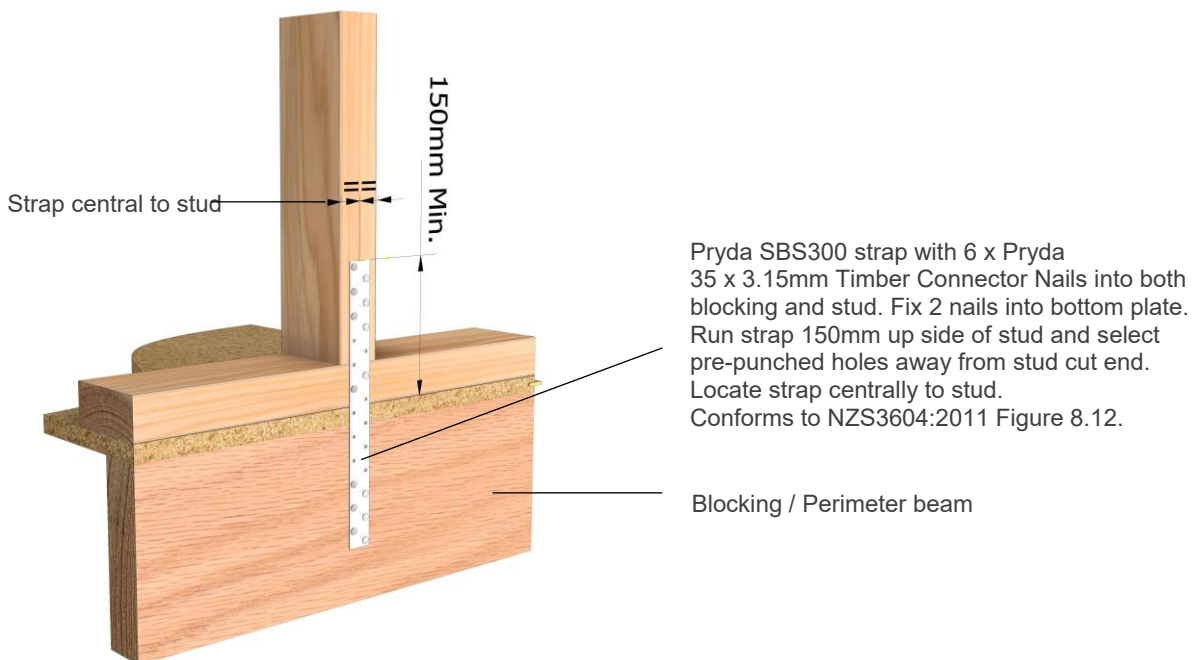
Stud to bottom plate Tie-down to  
NZS3604:2011 Figure 8.12 to  
prevent uplift.

## INSTALLATION

### STUD TO BOTTOM PLATE TIE-DOWN TO NZS3604:2011 FIGURE 8.12 AND CLAUSE 8.6.1.8



### STUD TO BLOCKING/PERIMETER BEAM TIE-DOWN TO NZS3604:2011 FIGURE 8.12 AND CLAUSE 8.6.1.8



## NZ SHEET BRACE STRAPS DATA SHEET

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
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