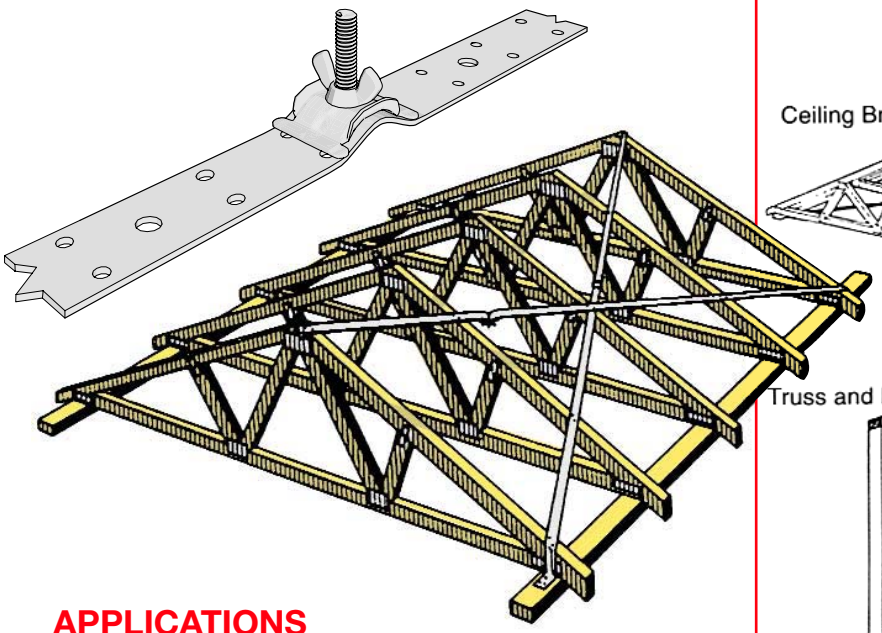
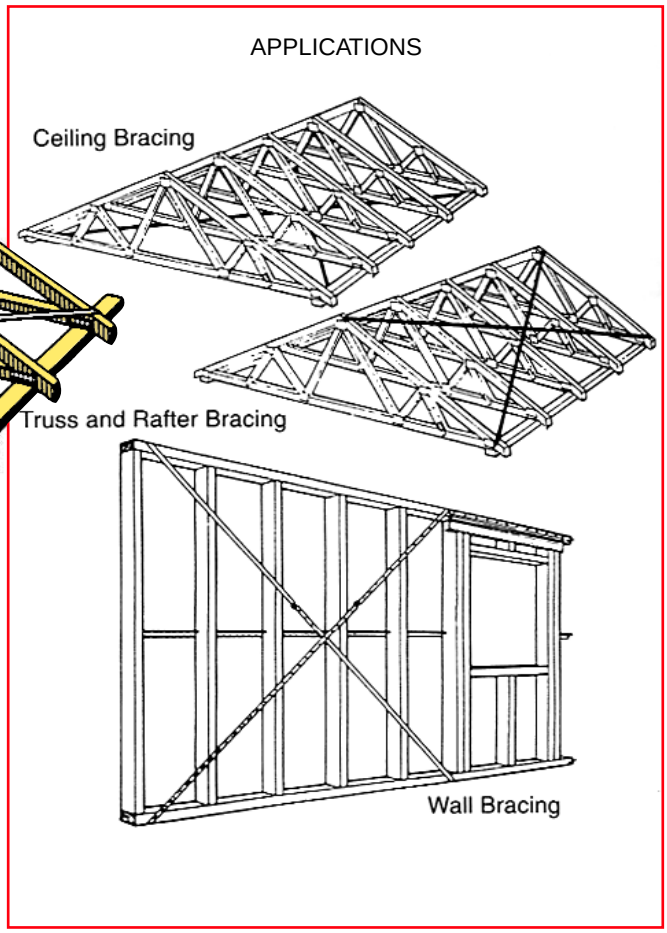
PRYDA STRAPBRACE & INDUSTRIAL STRAP

Convenient multi-purpose bracing for roofs, ceilings and walls





APPLICATIONS

Pryda Strapbrace is suitable for bracing walls and truss/rafter roof construction (spans up to 12m) in residential buildings. Use Pryda Industrial Strap for larger spans and commercial and industrial buildings. Pryda Tensioners provide a fast, reliable and simple method of tensioning long lengths of bracing strap.
Pryda Strapbrace complies with NZS3604:1999 Light Timber Frame Buildings, requirements for metal bracing strip with 8kN capacity, but is not suitable for use as holding down straps on braced wall panels: use Pryda Sheet Brace Straps for this application.
Pryda Strapbrace and Industrial Strap act in tension only; braces must be applied in pairs as illustrated. Holes are pre-punched for 3.15mm nails and 6mm tensioner bolts.

SPECIFICATIONS

PRODUCT CODE:

SB30	-	Strapbrace 30m coil (25 x 0.8mm)
SB30T	-	Strapbrace 30m coil (25 x 0.8mm) plus 5 tensioners
SB10	-	Strapbrace 10m coil (25 x 0.8mm)
SBT	-	Strapbrace Tensioners - Box of 40
SBI	-	Industrial Strap 30m coil (50 x 0.8mm)
SBI T	-	Industrial Strap Tensioner - each
SB15/S	-	Stainless Steel Strapbrace 15m coil (25 x 0.8mm)

MATERIAL:

0.8mm G550 Z275 galvanised steel coil.

WALL BRACING

Make sure wall frame is approximately square. Nail end of brace to the top wall plate within 150mm of a stud, using 3/30 x 3.15mm Pryda Product Nails. Unroll brace coil at angle of approximately 45˚ and cut to length. Tighten by pulling down onto bottom wall plate. Nail within 150mm of stud with 3 nails. Fix another brace in the same way diagonally opposite the first length. The two braces must cross to form a strong rigid brace. Fit tensioners (usually one per 3.6m length of brace) and plumb frame. Nail braces to intermediate studs with 2 nails after tensioning braces.

ROOF AND CEILING BRACING

Use in crossed pairs as for wall braces. For residential construction in accordance with NZS3604:1999, secure braces with 6 nails at each end, and 2 nails (after tensioning braces) at truss/ rafter or Purlin crossing.

DESIGN LOADS

Pryda Strapbrace Wind/Earthquake Bracing Units for wall height and wall length.
Strapbraces to be arranged in a diagonal pair and fully tensioned.

	Characteristic Strength (Capacity)	Design Loads (Limit States Design) kN		
		Permanent	Medium	Brief
Steel Strength - Strapbrace	8.2	6.6	6.6	6.6
(kN) - Industrial Strap	16.4	13.2	13.2	13.2
Nail Load (kN per nail) (brace at 45˚ to grain)	1.56	0.75	1	1.25