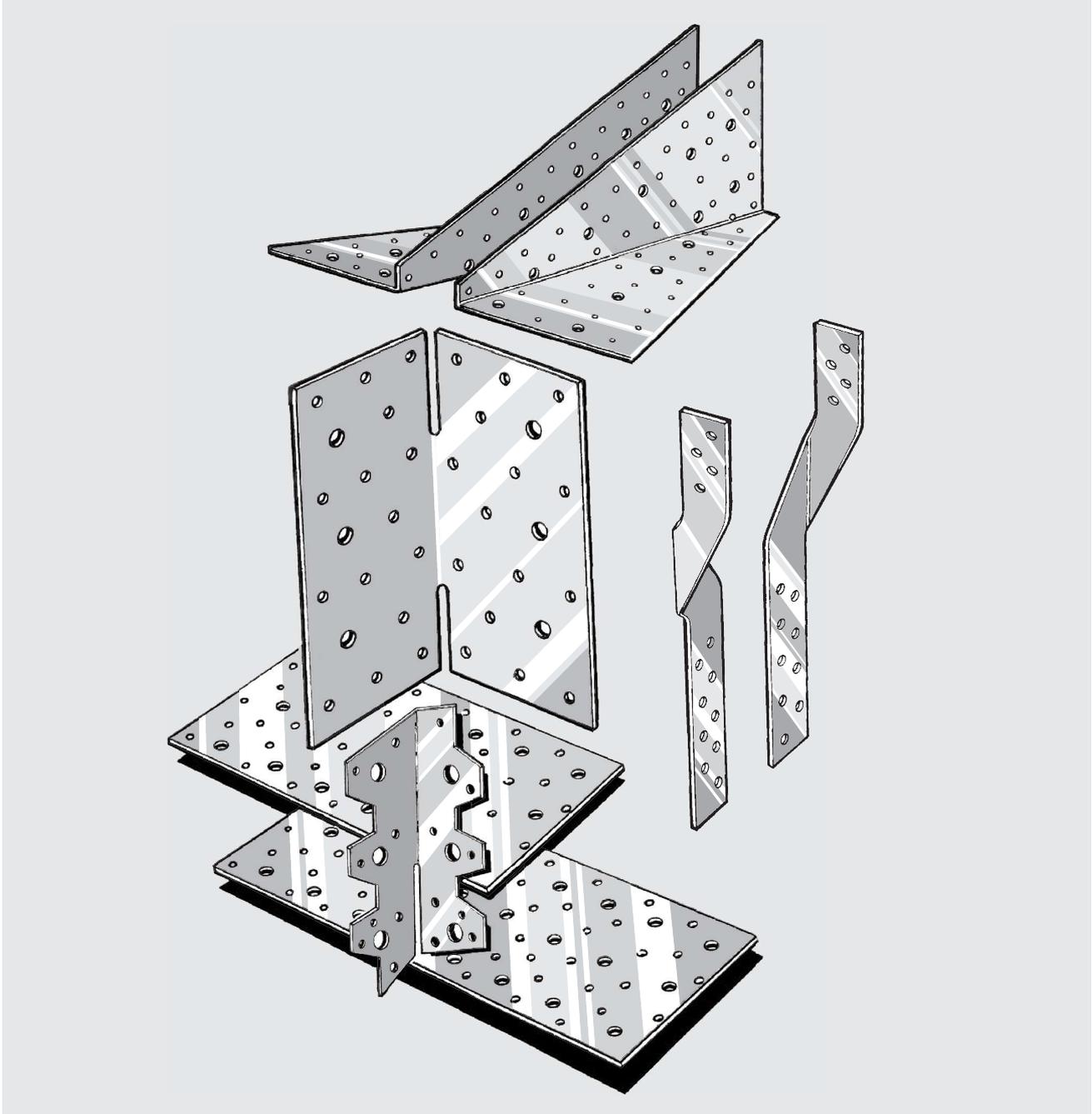
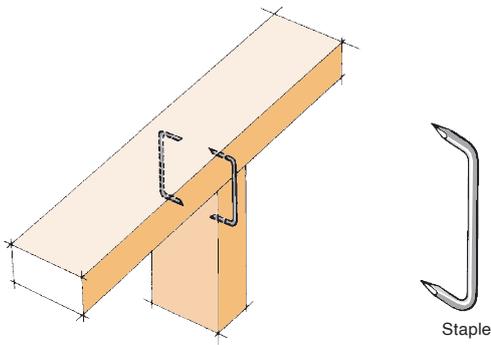


STAINLESS STEEL CONNECTORS FOR USE IN EXTERIOR SITUATIONS



LUMBERLOK Stainless Steel Connectors are available from leading Builders Supply Merchants and Hardware outlets throughout New Zealand.

MATERIAL	Stainless Steel 304-2B (except Screw Ties - 316 Grade)
STANDARDS	Applicable Standards are NZS 3603 and NZS 3604:2011 - Section 4 Durability
DURABILITY	<p>The selection of LUMBERLOK Stainless Steel fixings should be made in conjunction with the MiTek Durability Product Selection and Durability Flow Charts in Section 4 of the current MiTek Structural Fixings On-Site Guide. These selection charts are an alternative solution to Table 4.1 NZS 3604:2011.</p> <p>The recommendation and use of LUMBERLOK Stainless Steel fixings prescribed in these selection charts is based on supporting advice from Les Boulton & Associates - Materials and Corrosion Consultants in their report # 99267.</p> <p>When used, handled and installed in accordance with the above conditions, LUMBERLOK Stainless Steel connectors will meet NZBC Clause B2 for 50 years durability performance requirements.</p> <p>Depending on specific weather exposure and salt spray environments, there may be evidence of 'tea staining' on the surface of Stainless Steel fixings.</p> <p>Tea staining is a visual issue only and DOES NOT affect the structural integrity of the fixing. To minimise this occurrence, it is suggested that a regular washing / maintenance cycle be implemented using warm water with a mild detergent and a cold fresh water rinse.</p> <p>It is NOT advisable for any LUMBERLOK Stainless Steel products to be painted over as this may affect the natural anti-corrosive characteristics of stainless steel.</p>
AVAILABILITY	Stainless Steel product can be purchased from Builders Supply Merchants or indented through the merchant from our Auckland and Christchurch warehouses.

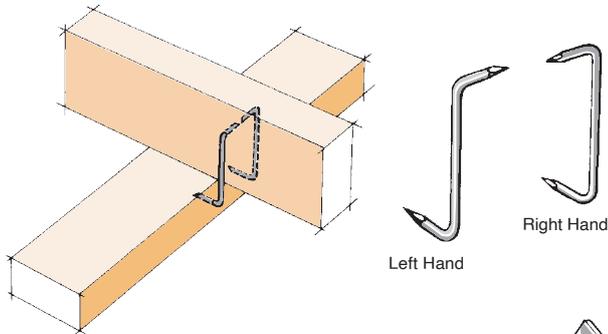


Staple

WIRE DOGS (LH, RH or STAPLE)

Wire Dogs are manufactured as left handed, right handed and staples, from 4.76mm diameter stainless steel wire. Each has a 95mm shank, and a 35mm leg.

Refer to Characteristic Loadings Brochure for design values.



Left Hand

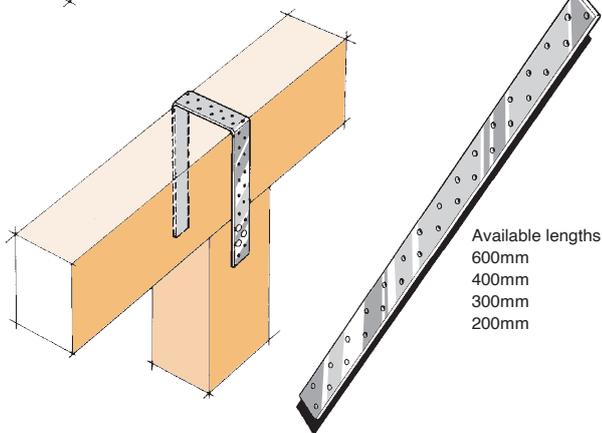
Right Hand

*SHEET BRACE STRAPS

0.9mm x 25mm Stainless Steel 304-2B

Punched strap available in lengths of 200mm, 300mm, 400mm and 600mm. Fixed with LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter.

Refer to brochure for application data.



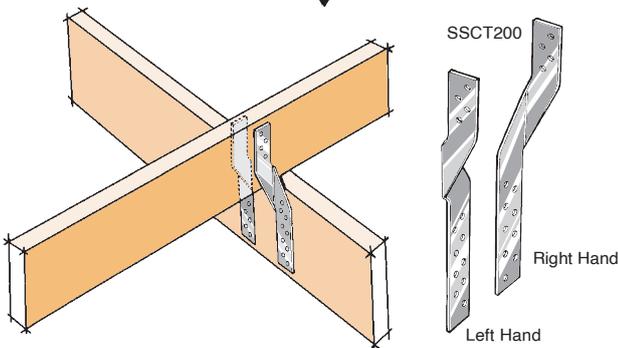
Available lengths
600mm
400mm
300mm
200mm

CEILING TIES SSCT160 & SSCT200 (LH or RH)

0.9mm Stainless Steel 304-2B

Overall length 160mm and 200mm. Fixed with LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter.

Refer to Characteristic Loadings Brochure for design values.



SSCT200

Right Hand

Left Hand

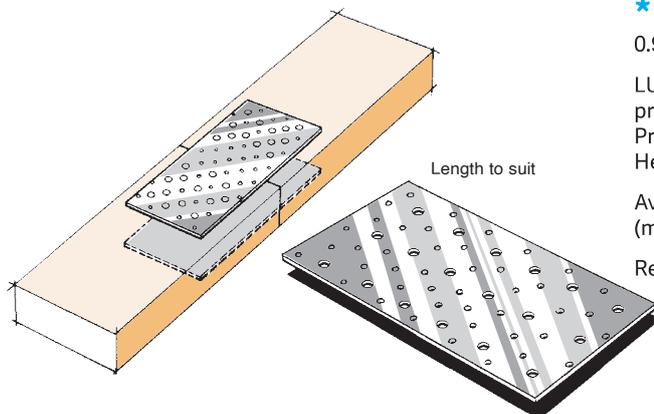
*NAILON PLATE

0.9mm x 110mm Stainless Steel 304-2B

LUMBERLOK Nailon is produced as a flat stainless steel plate with pre-punched holes to accommodate LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter, or Type 17-12g x 35mm Hex Head Stainless Steel Screws.

Available as a flat plate, cut to required length, in 40mm increments. (min. 80mm, max. 2.4m length)

Refer to Characteristic Loadings Brochure for design values.



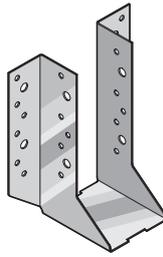
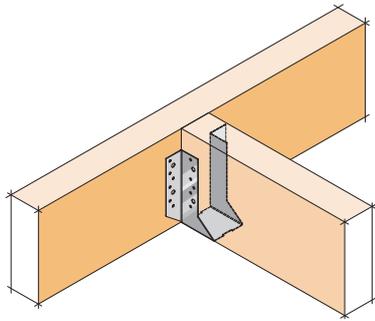
Length to suit

*Detailed product sheet available

* JOIST HANGERS

0.9mm Stainless Steel 304-2B

Joist Hangers are designed for use where a strong, rigid joint is required between members meeting at 90°, e.g. floor joist to beam/bearer, truss or rafter to beam.



i) Joist Hanger 47 x 90

Designed for use where gauged timber of 47mm width and up to 150mm deep.

ii) Joist Hanger 47 x 120

Multi-use bracket suitable for gauged 47mm thick timber up to 200mm deep.

iii) Joist Hanger 47 x 190

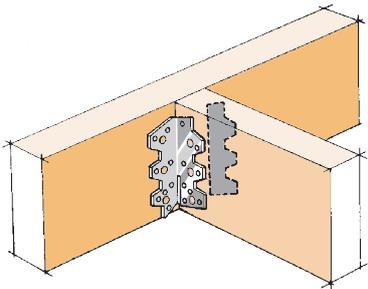
Used for gauged 47mm thick timber up to 300mm deep.

iv) Joist Hanger 70 x 180

A special size joist hanger designed for gauged 69mm wide timbers.

v) Joist Hanger 95 x 165

For use on gauged 94mm wide timber or double joists/trusses.



Note: Joist Hangers 52mm wide also available for rough sawn timber.

All of the above Joist Hanger connections should be fixed using LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter, or Type 17-12g x 35mm Hex Head Stainless Steel Screws.

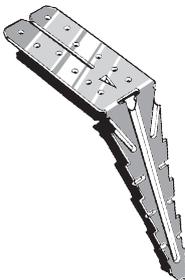
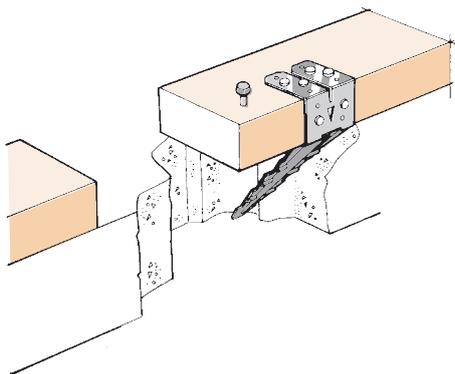
Refer to Characteristic Loadings Brochure for design values.

MULTIGRIP

0.9mm Stainless Steel 304-2B

LUMBERLOK Multigrrips are a multipurpose product that can be bent into any of five combinations. One product provides for all alternatives with the bending slot enabling easy on-site bending. Size 125mm high x 38mm flanges. Fix with LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter, or Type 17-14g x 35mm Hex Head Stainless Steel Screws.

Refer to Characteristic Loadings Brochure for design values.

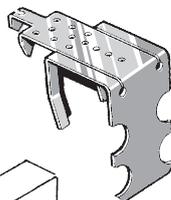
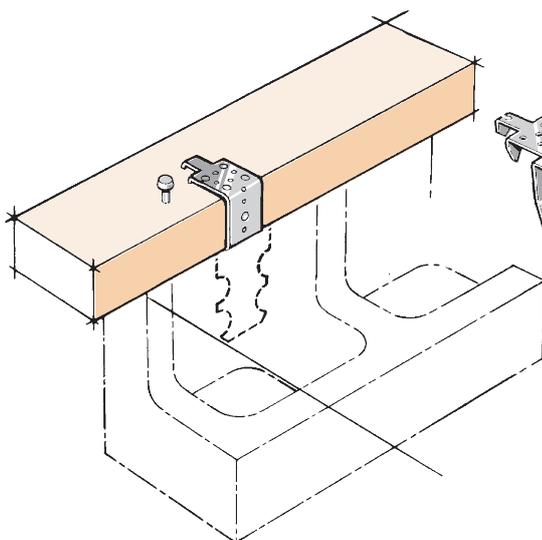


* BOTTOM PLATE FIXING ANCHOR

0.9mm Stainless Steel 304-2B

Ingenious product designed to fix timber wall frames down onto concrete slab floors. Bottom Plate Anchors are temporarily fixed to the perimeter boxing at 900mm centres max. prior to the concrete pour, and folded around the bottom plate when the frames are located. LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter are then applied to secure the frames in position. Alternative to concrete bolts, or the drilling of bottom plates and lifting of frame over cast-in steel rods.

Refer to brochure for application data.



* HEADER BLOCK ANCHOR

0.9mm Stainless Steel 304-2B

This product has been developed to complement the Bottom Plate Anchor, where concrete header blocks are used to form the concrete slab perimeter. The product is clipped onto the block edge at 600mm centres max. and left until the slab is poured and frames ready to stand up.

The tongue is then lifted up off the surface and folded around the bottom plate for nailing using LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter.

Refer to brochure for application data.

*Detailed product sheet available

STRIP BRACE

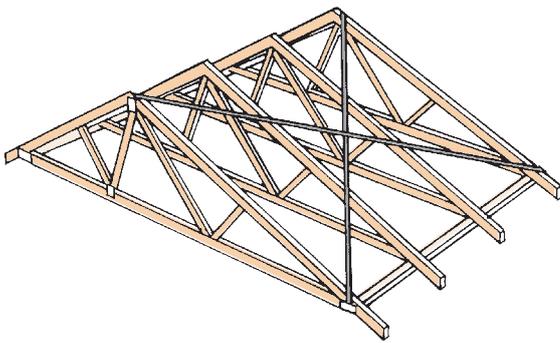
0.9mm x 25mm Stainless Steel 304-2B

Strip Brace is supplied in 10m and 30m coils for use as bracing or in short lengths as a jointing material.

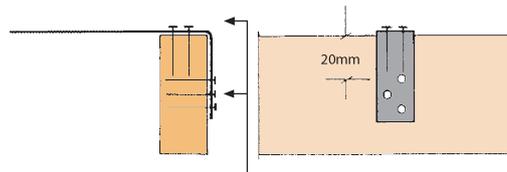
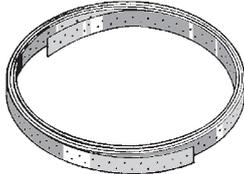
Strip Brace provides an ideal bracing system for walls, or roof plane. One crossed pair of strips may be used in each location where a diagonal brace is required. Fix using 5 x LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter at each end if strip is folded over timber face. Otherwise use 8 nails each end.

Stainless Steel tensioners are not available so tension must be provided during installation phase.

Refer to Characteristic Loadings Brochure for design values.



Stainless Steel Tensioners not available



2 nails top edge, 3 nails vertical face (not in same line)

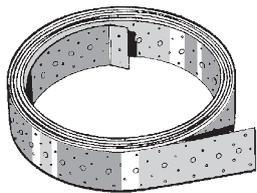
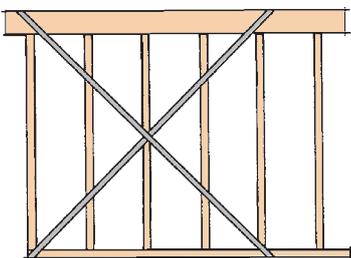
*MULTI-BRACE

0.9mm x 53mm Stainless Steel 304-2B

This product has been developed as a bracing element for commercial building situations as an alternative to steel rod or timber braces. Coils are available in lengths of 10m, 15m and 30m, punched to allow easy fixing. Fix using 11 x LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter at each end if Multi-Brace is folded over timber face. Otherwise use 15 nails each end.

Stainless Steel tensioners are not available so tension must be provided during installation phase.

Refer to Characteristic Loadings Brochure for design values.



Stainless Steel Tensioners not available



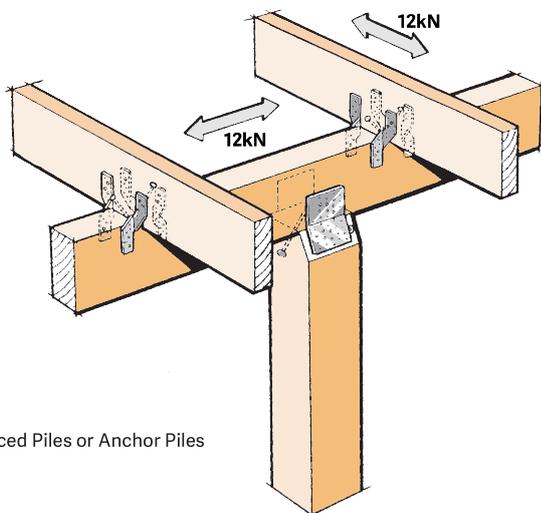
3 nails top edge, 8 nails vertical face (not in same line)

*12kN & 6kN PILE FIXINGS

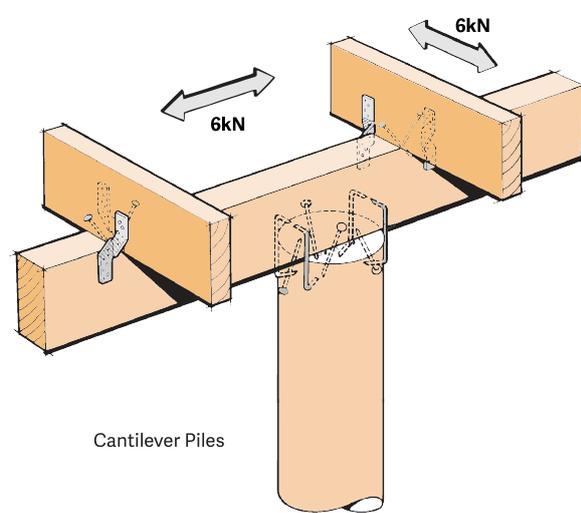
Both these products comply with NZS 3604: 2011 as a fixing method for timber piles to bearers to joists. The 12kN product pack is suitable for both Anchor and Brace pile situations whilst the 6kN pack is used with cantilever piles. Manufactured in stainless steel to suit high corrosive environments. Packs are supplied inclusive of all necessary nails.

12kN Retro Subfloor Fixings and Ordinary Pile Fixings also available in Stainless Steel.

Refer to brochure for application data.

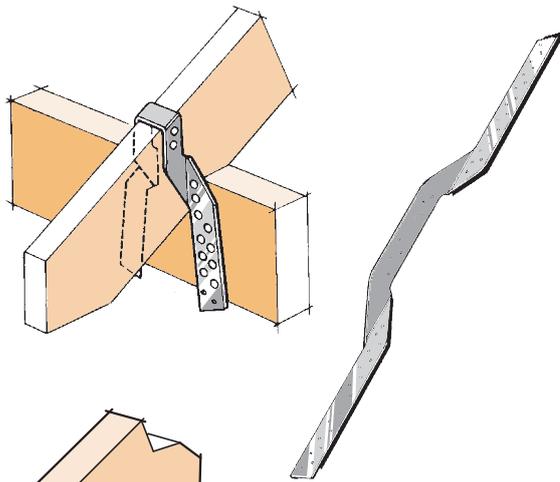


Braced Piles or Anchor Piles



Cantilever Piles

*Detailed product sheet available

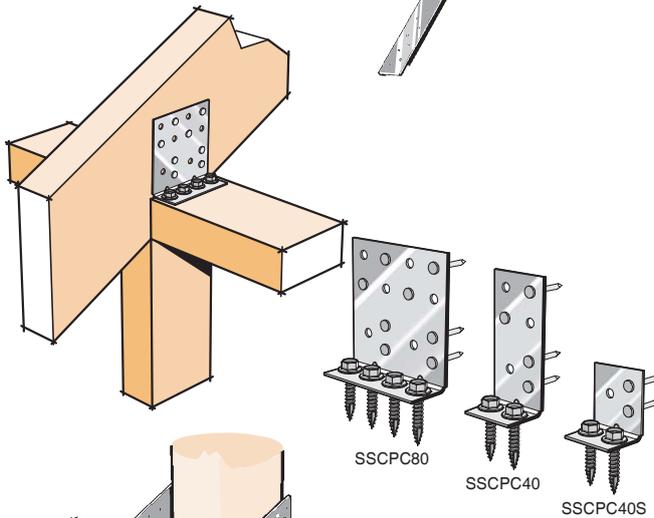


CYCLONE TIES SSCT400 & SSCT600

0.9mm Stainless Steel 304-2B

Overall length 400mm and 600mm – Designed specifically for fixing down rafters or purlins in high wind situations. These are produced in straight pre-twisted lengths which are then folded over timber members on-site, accommodating various width purlins or rafters. Fix with LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter.

Refer to Characteristic Loadings Brochure for design values.



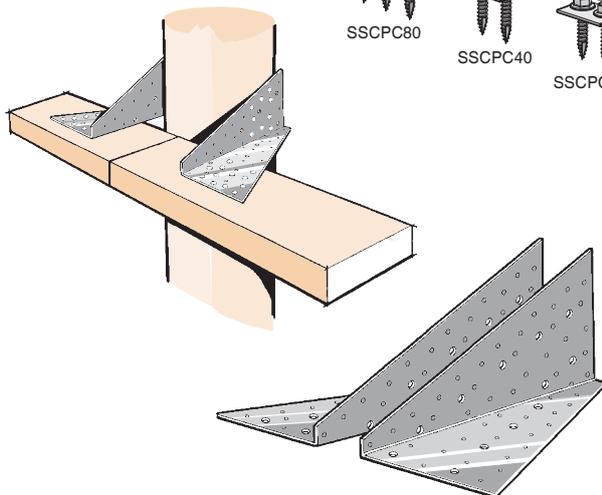
*CONCEALED PURLIN CLEATS SSPC40, SSPC80, SSPC40S

1.5mm Stainless Steel 304-2B

CPC cleats provide an excellent purlin/rafter fixing in exposed situations, resisting any wind uplift.

The cleats can also be used for exposed rafter to ridge beam connections. Fixed with Type 17-14g Hex Head Stainless Steel Screws and LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter (not supplied with product).

Refer to Characteristic Loadings Brochure for design values.



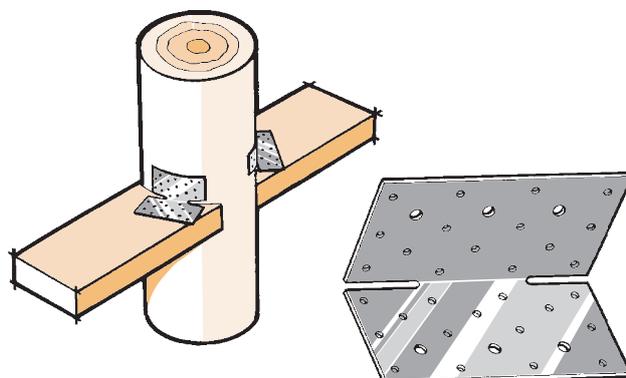
DIAGONAL CLEAT SSN21 (LH or RH)

0.9mm Stainless Steel 304-2B

This diagonally folded Nailon Plate 240mm long, provides a solution for fixing and aligning girts to timber poles.

Can also be used for fixing purlins to rafters in high wind uplift situations, or to provide a strong 90° butt joint for large timber sizes. Fixed with LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter, or Type 17-12g x 35mm Stainless Steel Hex Head Screws.

Refer to Characteristic Loadings Brochure for design values.

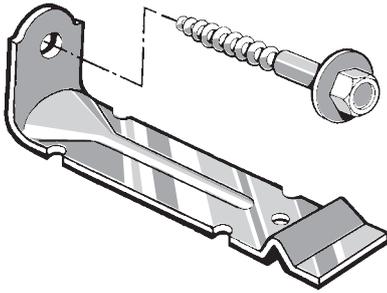


GIRT PLATE

0.9mm Stainless Steel 304-2B

Specifically designed for girt to pole fixing, as per Farm Building Designs. 120mm long Nailon Plate, slit and pre-folded to 90°. Fixed with min. 8 x LUMBERLOK Stainless Steel Product Nails 30mm x 3.15mm diameter per flange (16 nails/cleat), or 3 x Type 17-14g x 35mm Hex Head Stainless Steel Screws per flange (6 screws/cleat).

*Detailed product sheet available



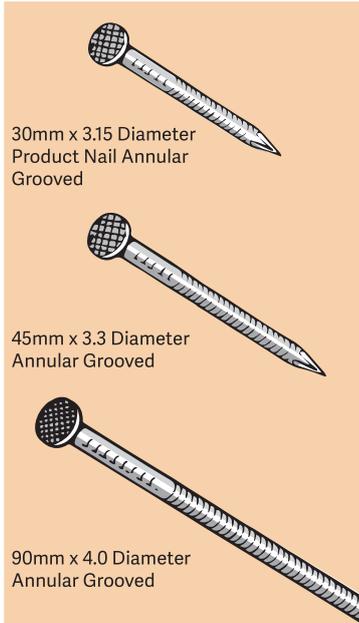
*SCREW TIE

Stainless Steel 316

Meets NZS 3604:2011 and AS/NZS 2699.1:2000. This product is used to tie brick veneer to timber framework using a Type 17-12g x 35mm Hex Head Stainless Steel Screw. The actual 'Tie' is available in 85mm and 105mm lengths to suit various cavity sizes and brick widths.

Suitable for all timber including dry stress graded 90mm x 35mm studs.

Refer to brochure for application data.



30mm x 3.15 Diameter
Product Nail Annular
Grooved

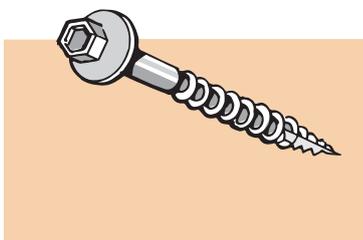
45mm x 3.3 Diameter
Annular Grooved

90mm x 4.0 Diameter
Annular Grooved

PRODUCT NAILS (ANNULAR GROOVED)

Stainless Steel 304

LUMBERLOK Product Nails 30mm x 3.15mm diameter F.H. (500gm bags & 2kg packs)
45mm x 3.3mm diameter F.H. (500gm bags)
90mm x 4.0mm diameter F.H. (1kg bags)



SCREWS

Type 17-12g x 35mm, 14g x 35mm & 14g x 75mm Hex Head Stainless Steel Screws.
Available in bags of 100.

*Detailed product sheet available