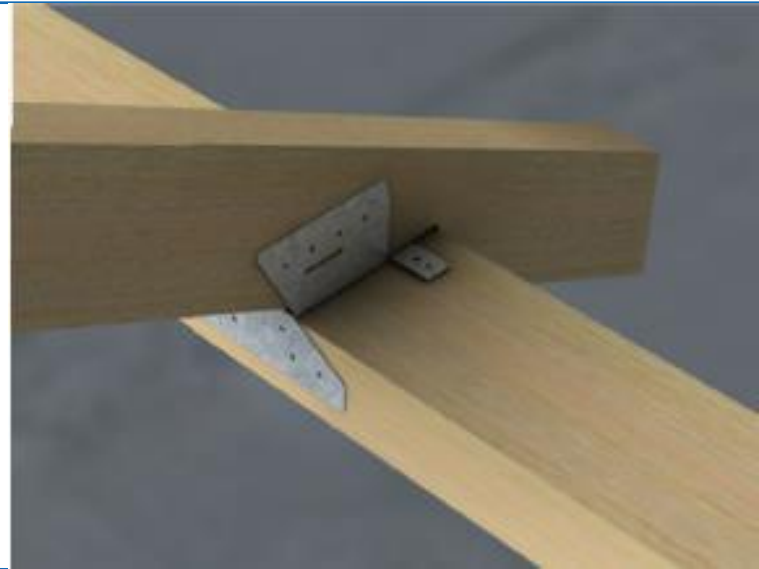


Timber Engineering Hardware

A comprehensive range of connectors produced from galvanised steel to BS EN 10346:2009 +G275 as standard or stainless steel to order. Galvanised hangers must be fixed using 30 x 3.75mm sheradised square nails in all pre-punched holes.



GS Glide Shoe

A purpose made galvanised metal bracket specifically designed to allow raised tie or scissor trussed rafters to achieve designed deflection, both horizontally and vertically. Available ex-stock in the sizes below.

Dimensions

*Other widths available to order

Product code	Dimensions [mm]	Box Quantity
GS/38	38	100
GS/50	50	100
GS/75	75	50
GS/100	100	50
GS/150	150	50
GS/200	200	50

Test Standard

Tested by BMTRADA to ETAG015

Verified by TZUS to EAD 130186-00-0603. – ETA 20/0915.

Declaration of Performance – Joist Hangers 19-0681-001

Fixings

Fix using Type A, 30 x 3.75mm Sherardised Square Twist Nails in all pre-punched holes.

Type	Description	d^1 (mm)	l (mm)	$f_{ax,k}^2$ (N/mm ²)	f_u (N/mm ²)
A	Square twist nails Sherardized finish Normally supplied loose for manual fixing	3.4	30	4.78	600

¹ This diameter is the minimum cross-section dimension in accordance with EN 14592. Square twist nails are often described in the market by their largest cross-section dimension, so that a 3.4 mm diameter nail will be sold as being 3.75 mm diameter.

² In timber with a characteristic density ρ_k of 350 kg/m³, i.e. C24 timber. At other values of ρ_k the value is modified so $f_{ax,k} = f_{ax,k} \cdot \min\left(\frac{\rho_k}{350}, 1.1\right)$

Installation

BPC Connectors are deemed fit for their intended use provided:

- The joints are designed in accordance with Eurocode 5 or an appropriate National Code using the characteristic values given in the Annexes. Design and detailing of structures should be carried out by suitably experienced persons in accordance with the manufacturer's instructions.
- Sides of the hanger should be at least 60% of the timber height to prevent rotation.
- Joist ends to be cut square with no more than 6mm gap from the rear of the hanger.
- Verifiable calculation, notes and drawings are prepared taking account of the loads to be carried
- The widths of the joist narrower than the exact joist hanger width does not exceed the tolerance of +0/-4mm to the joist hanger width
- The header supporting the joist is adequately restrained against rotation.
- Specified fasteners are installed in all available holes of the same diameter.
- Timber should be free of wane in the connectors.
- The actual maximum bearing capacity of the joist itself is checked separately by the designer of the structure.
- The eccentricity of the acting forces relative to the axis of the connection is not excessive.
- The connectors have been installed correctly by appropriately qualified personnel using adequate tools, in accordance with the relevant building regulations, the manufacturer's specifications and the drawing prepared for that purpose.