

## Made in the UK

For 25 years we have designed and manufactured structural connectors in Tamworth, England.

From the foundations up, we have every 'No Equal' solution you need to...

**build safer, stronger structures.**



**Quality, innovation and service.**

Since we released our first joist hanger back in 1956, we have strived to build quality and innovation into everything we make and everything we do. By talking to builders and architects every day, our connectors have constantly evolved with new features to help build better, safer structures.

They'll save you time and give you peace of mind.

Pocket Guide Ref: S-PQRG21  
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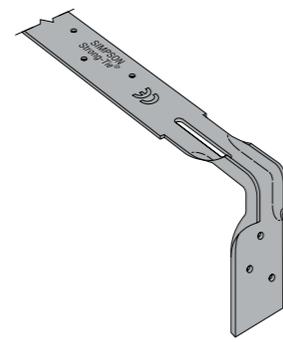


### Popular Hanger and Angle Bracket Sizes

<b>Timber to Timber Hangers: JHA270/ (widths available)</b>
38, 44, 47, 50, 63, 75, 91 and 100mm
<b>Timber to Timber Hangers: JHA450/ (widths available)</b>
38, 44, 47, 50, 63, 75, 91, 100, 125, 137 and 150mm
<b>Timber to Timber Hangers: MHA (widths available)</b>
38, 44, 47 and 50mm
<b>Timber to Masonry Hangers: JHM150/ (widths available)</b>
38mm to 150mm
<b>Timber to Masonry Hangers: JHM175/ (widths available)</b>
38mm to 150mm
<b>Timber to Masonry Hangers: JHM200/ (widths available)</b>
38mm to 150mm
<b>Timber to Masonry Hangers: JHM225/ (widths available)</b>
38mm to 150mm
<b>Timber to Masonry Hangers: JHM250/ (widths available)</b>
38mm to 150mm
Additional JHM sizes available, see full technical brochure for details. HJHM hangers available for higher load applications.
<b>Face Fix Timber to Timber Hangers: SAE380/ (widths available)</b>
38mm to 100mm
<b>Face Fix Timber to Timber Hangers: SAE500/ (widths available)</b>
38mm to 150mm
<b>Face Fix Timber to Timber Hangers: SAE620/ (widths available)</b>
38mm to 150mm

<b>Heavy Angle Bracket (E):</b>
E5/2: 75 x 48 x 65mm
E2/2.5/7090: 90 x 90 x 65mm
E9S/2.5: 90 x 150 x 65
E9/2.5: 150 x 150 x 65
<b>Light Reinforced Angle Bracket (EA):</b>
EA444/2C50: 40 x 40 40mm
EA554/2C50: 50 x 50 x 40mm
EA664/2C50: 60 x 60 x 40mm
EA756/2C50: 50 x 70 x 60mm

### Popular Hanger and Bracket Sizes



**HES Heavy Engineered Strap**  
 Lightweight, but heavy duty, the HES strap is engineered to provide 8kN of horizontal restraint.

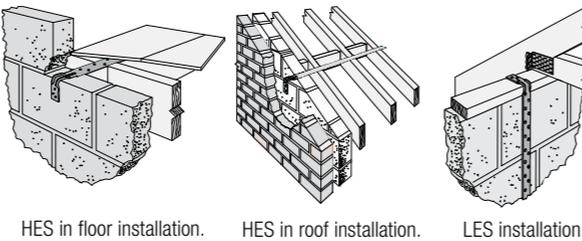
A 1500mm HES can be used to span three trusses or three floor joists.

The HES range is CE approved and an LABC registered solution.



**LES Light Engineered Strap**  
 Lightweight, but strong, the LES strap is engineered to provide 4kN of vertical restraint.

The LES range is CE approved and an LABC registered solution.



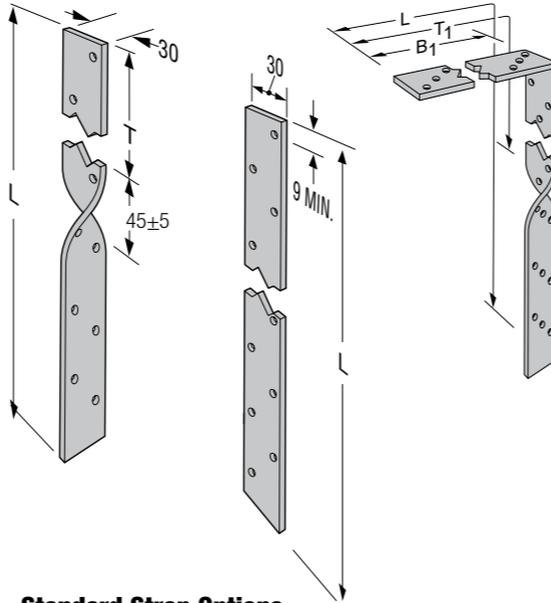
HES in floor installation. HES in roof installation. LES installation.

### Engineered Restraint Straps

### H (Heavy) and L (Light) Standard Restraint Strap

Conventional restraint straps. Tie wall plates to top of masonry walls and timber roof and floor systems to masonry walls.

Available in flat, bent, twisted and twisted with bend options.



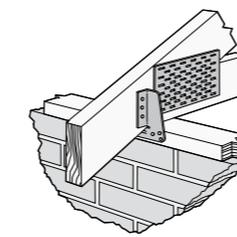
### Standard Strap Options

TO ORDER: Specify model series, overall length, bend (B) dimension and /or twist (T) dimension.

Example: Heavy strap that has an overall length of 1m, a bend at 10cm and a twist at 20cm. (See illustration for detail on measuring bend & twist dimensions).

H	10	B10	T20
Strap Type	Overall Strap Length	Bend Length	Twist Length

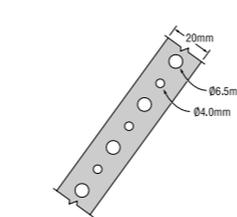
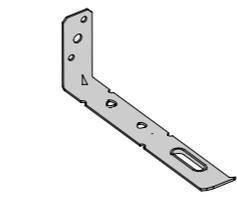
### Standard Strap Options



### TCP Truss Clip

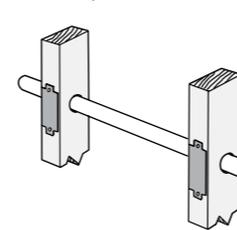
Attaches trusses and rafters to wall plates.

**FT Galvanised Frame Tie**  
 Ties timber door frames and window frames to masonry



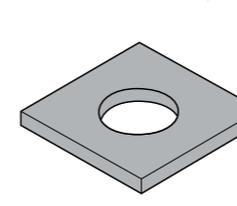
### FB20A Fixing Band (10m Roll)

Supplied as a 10 metre roll, fixing band is a 20mm wide x 0.9mm thick galvanised steel strap which can be bent or twisted to suit various non-structural uses.



### NS Nail Stopper

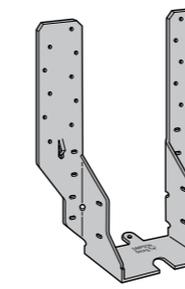
Prevents nails from piercing water pipes, electric cables etc. Install over utilities passing through timber studs.



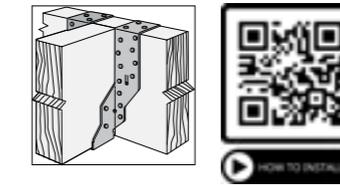
### SPWG Square Plate Washer

Adds strength to a bolted connection in timber.  
 2.5mm thick 50x50mm square plate washer with an M12 bolt hole.

### Clips Ties and Other



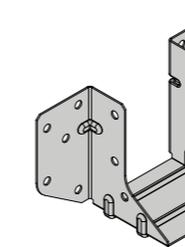
**JHA Adjustable Joist Hanger**  
 Provides excellent support, combined with ease of installation in timber-to-timber applications. Height can be adjusted at install.



### MHA Mini Hanger

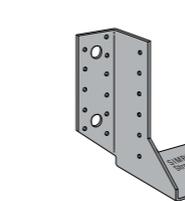
A galvanised mini joist hanger suitable for use with regularised timber, rough sawn timber, I-Joists and LVL.

Ideally suited for small timber sections and timber members, such as trimmers and ceiling joists



### SAE Heavy "U" Hanger

Heavy face mount hanger for joists and light girders.

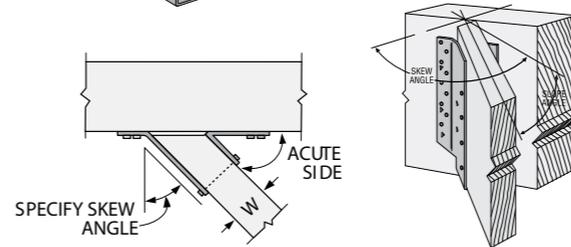


### JHM with Return

A JHMR with a hook over facility wrapping around three sides of the block.

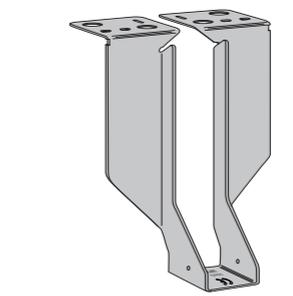
### JHM with Straddle

The JHMS configuration connects hangers across support or partition walls, keeping joists aligned on both sides.

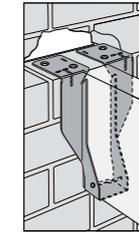


Top View: SAE Skewed Right. Typical SAE Sloped Down, Skewed Right.

### Joist Hangers

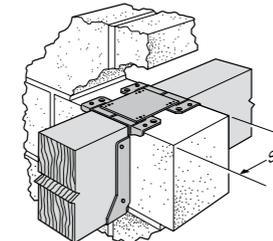
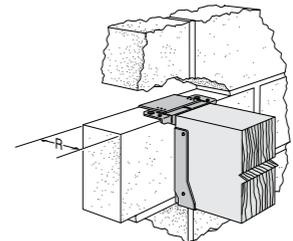


**JHM Joist to Masonry Hanger**  
 Supports timber joists and trusses from masonry walls.



HJHM heavy duty Joist to Masonry Hanger also available.

### JHMR Return and JHMS Straddle Options



The JHMS configuration connects hangers across support or partition walls, keeping joists aligned on both sides.



### SFLH Safety Fast Light Hanger

The SFLH hanger allows construction work to continue safely just 3 days after the supporting blockwork has been laid as opposed to 28 days in the case of traditional masonry hangers

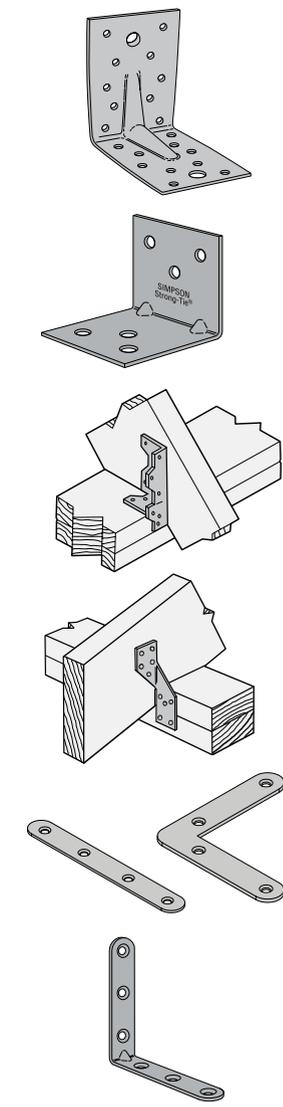
### Joist Hanger Options



# Pocket Guide

## Timber and Masonry Connectors

www.strongtie.co.uk



**E Heavy Angle Bracket**  
Heavy duty bracket for general connections at 90°.

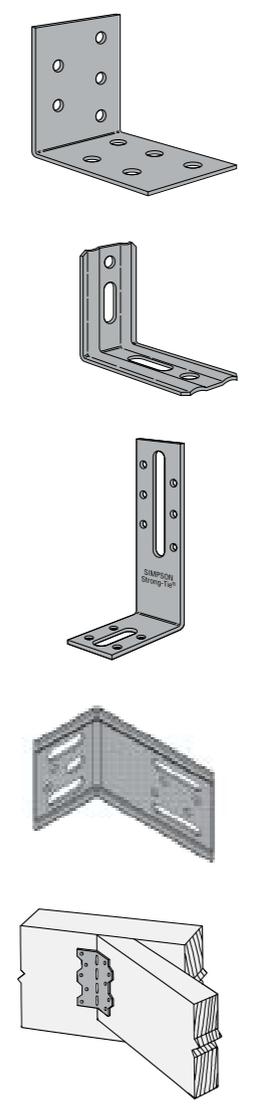
**EA Light Reinforced Angle Bracket**  
For connecting and strengthening joints in general timber construction. Slots allow for adjustments when installing.

**A34E/A35E Universal Framing Anchor**  
Exclusive obround slot allows precise, accurate bend lines in all all configurations.

**H2.5A High Wind Tie**  
Attaches girders, trusses and rafters to wall plates.

**ECA/ECP Light Angle Bracket**  
Used in a large number of DIY applications and are commonly used for reinforcing furniture assemblies.

**EC Light Duty Angle Bracket**  
For connecting and strengthening joints in general timber work.



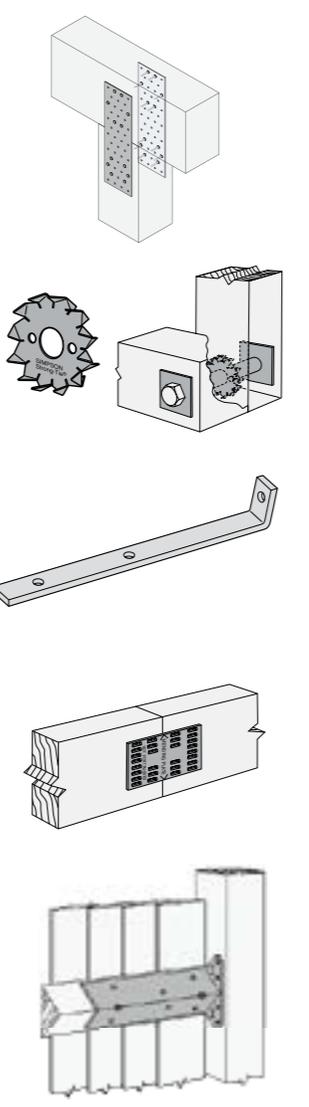
**ES Nail Plate Angle Bracket**  
For connecting and strengthening joints in general timber construction.

**END Multi Angle Bracket**  
For connecting and strengthening joints in general timber construction. Slots allow for adjustments when installing.

**EFIX Adjustable Angle Bracket**  
For connecting and strengthening joints in general timber work. Slots allow for adjustments when installing.

**EBC Cladding Bracket**  
Connect vertical battens for cladding directly to the structure - no horizontal battens required.

**LS Skewable Angle**  
Attaches timber members at irregular angles - can be bent on site 0-135°.



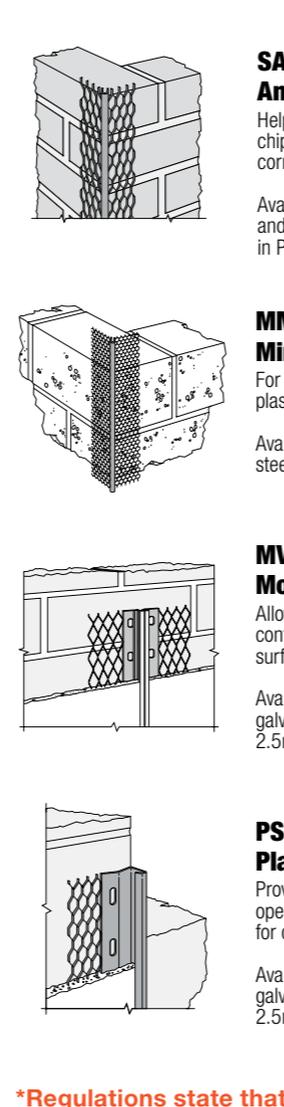
**NP Nail Plate**  
Nail on plates for general splicing and reinforcement.

**DSTC/SSTC Double/Single Sided Timber Connector**  
Enhances bolt performance in multiple timber beams.

**WBT Window Board Tie**  
Attaches window sill boards to masonry wall.

**MP Mending Plate**  
Easy to use connector for timber splices. No nails required.

**1ARB GAL Arris Rail Bracket**  
The 1ARB GAL is a 215mm long bracket for connecting arris rails to wooden posts. Suitable for use on 75mm arris rails.



**SAB\* Angle Bead**  
Helps form straight arris, prevents chipping and cracking to vulnerable corners.

Available in 2.4m and 3.0m in galvanised and Stainless Steel or 2.5m and 3.0m in PVCu.

**MMB Mini Mesh Bead**  
For internal use with one coat plasterwork down to 3mm finish.

Available in 2.4 and 3.0m galvanised steel and 2.5m and 3.0m in PVCu.

**MVB\* Movement Bead**  
Allows +/- 3mm expansion or contraction between adjoining surfaces.

Available in 2.4m and 3.0m in galvanised and Stainless Steel or 2.5m and 3.0m in PVCu.

**PSB\* Plaster Stop Bead**  
Provides neat plaster/render edge at openings, the abutment of walls and for ceilings.

Available in 2.4m and 3.0m in galvanised and Stainless Steel or 2.5m and 3.0m in PVCu.



**TCB Thin Coat Bead**  
For internal use with one coat plaster applications.

Available in 2.4m and 3.0m in galvanised steel or 2.5m and 3.0m in PVCu.

**ERS\* Render Stop Bead**  
Provides reinforcement to aesthetic weathering detail.

Available in 2.4m and 3.0m lengths in stainless steel or 2.5m and 3.0m PVCu.

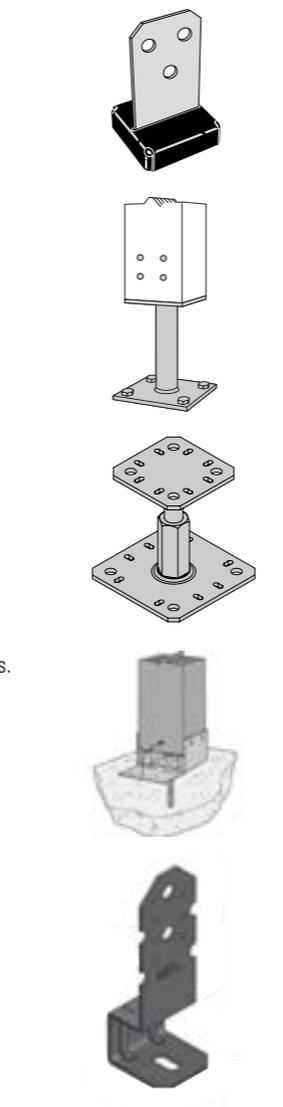


**PVCu plastic** is becoming more popular, particularly for external applications where regulations now require PVCu or s/steel product. PVCu plastic beads are a great and cost effective alternative to steel beads.

**CBR Brick Reinforcement**  
Provides added strength and stability for masonry applications. Supplied in coils.

Available in 20m long rolls and various widths.

**DML/RBL Expanded Metal Lathing**  
Provides added strength and stability for masonry applications. Supplied in sheets. Stainless or galvanised steel.



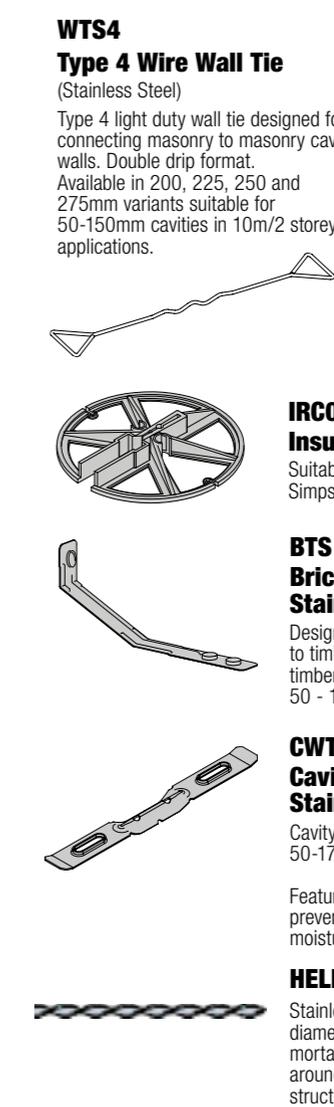
**CPT Concealed Post Base**  
The CPT provides a discreet connection between post and surface. Features a 25mm standoff to prevent post end decay. Dowels are included.

**PBH Heavy Duty Post Base**  
Heavy duty, elevated post base available with 75x75mm or 120x120mm top plates. Dowels included.

**PPRC Adjustable Post Base**  
Allows off the ground adjustment from 100 to 150mm, even after the post has been installed.

**ABW Economy Anchor Base For Posts**  
Provides 25mm stand off from concrete. May be installed in new or existing surface.

**PBP Post Base**  
The PBP60/50 post base is most commonly use for pergola or porch type construction, but can be used in other situations. Used in pairs.



**WTS4 Type 4 Wire Wall Tie** (Stainless Steel)  
Type 4 light duty wall tie designed for connecting masonry to masonry cavity walls. Double drip format. Available in 200, 225, 250 and 275mm variants suitable for 50-150mm cavities in 10m/2 storey applications.

**IRC001 Insulation Retaining Clip**  
Suitable for use with all Simpson Strong-Tie cavity wall ties.

**BTS Brick to Timber Stainless Steel Wall Tie**  
Designed to tie brickwork leaf to timber frame and allow for timber shrinkage. Sizes to suit 50 - 100mm cavities.

**CWT Cavity Wall Tie Stainless Steel**  
Cavity strip tie suitable for 50-175mm cavities.

Features a deep 'V' profile to prevent mortar build up and prevent moisture crossing the cavity.

**HELI Helical Stitching Bar**  
Stainless steel helical bars are 6mm in diameter and 1000mm long. Inserted into mortar joints where cracking has appeared around door / window opening to reinstate structural integrity.



**WTS2 Type 2 Wire Wall Tie** (Stainless Steel)  
Type 2 general purpose cavity wall tie. Available in 200, 225, 250 and 275mm variants suitable for 50-150mm cavities in 15m/3 storey applications. **WTS3** Type 3 wire tie also available in 300mm lengths, suitable for 151-175mm cavities.

**WTS3 Type 3 Wire Wall Tie** (Stainless Steel)  
Type 3 general purpose cavity wall tie. Available in 200, 225, 250 and 275mm variants suitable for 50-150mm cavities in 15m/3 storey applications.

**WST Wall Starter Tie**  
Screw in wall starter with nylon wall plug provides lateral stability to brickwork or blockwork walls. Suitable for internal and external use. 135mm long.

Can be installed horizontally or at a 30° angle to the mortar joint.

\*Regulations state that only stainless steel and PVCu plastic beads are suitable for external rendering.