

POCKET GUIDE

**Wall Ties
Metal Work
Bead and Mesh
Windposts
Masonry Support**

Wall Ties

A complete choice of ties for every application and project, from masonry to masonry products and movement ties to engineered restraint and anchor systems.



CE



VE4 Light Duty Housing Tie

Multidrip feature to prevent moisture travelling across the cavity. The design means that the tie can be installed either way up.

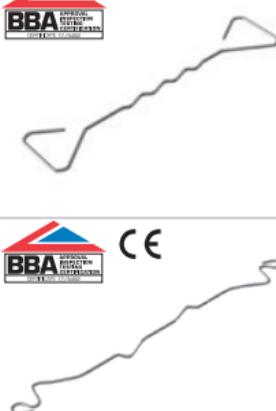
Tested as Type A (sound).
Tested as Type 4 (strength) to BS EN 845-1.



Available with TiePac dispenser



CE



VE2 General Purpose Wall Tie

Multidrip feature to prevent moisture travelling across the cavity. The design means that the tie can be installed either way up. Tested as Type B (sound). Tested as Type 2 (strength) to BS EN 845-1.



EN2 General Purpose Wall Tie

Multidrip feature to prevent moisture travelling across the cavity. Design means the tie can be installed either way up. Tested as Type B (sound). Tested as Type 2 (strength) to BS EN 845-1.

NEUTRAS Low Thermal Conductivity Wall Ties

Constant drip feature to prevent moisture travelling across cavity. Tested as Type B (sound). Tested as Type 4, 2 and 1 (strength) to BS EN 845-1.

CE



VST1 Heavy Duty Formed Safety Tie

Constant drip feature to prevent moisture travelling across cavity. Tested as Type B (sound). Tested as Type 1 (strength) to BS EN 845-1.

CE



VS4 Heavy Duty Flat Safety Tie

Used in full fill cavities or where the prevention of moisture travelling across the cavity is not an issue. Also for collar jointed walls. Tested as Type B (sound). Tested as Type 1 (strength) to BS EN 845-1.

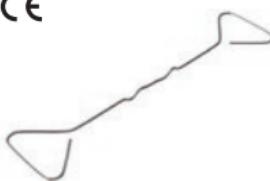
CE



VS6 Heavy Duty Dripped Safety Tie

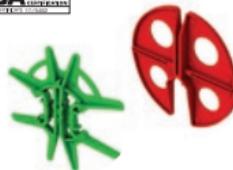
Drip feature to prevent moisture travelling across the cavity (taking less space than vertical twist). Tested as Type B (sound). Tested as Type 1 (strength) to BS EN 845-1 Drip position 90mm from safety end as standard.

CE



V26 Traditional Double Triangle Wall Tie

Traditional Double Triangle wall tie previously to BS1243. Multidrip feature to prevent moisture travelling across the cavity. Design means the tie can be installed either way up. Tested as Type B (sound). Tested as Type 2 & 3* (strength) to BS EN 845-1.



V23 Insulation Clip - Universal

Universal insulation retaining clip used to hold insulation material against the inner wall of a cavity.

Insulation Clip - Eco

Universal insulation clip made using less plastic for reduced environmental impact.

CE



TPT Two Part Ties

For 150mm to 300mm cavities. Shorter section is built into the inner leaf. Longer section is locked into inner section and built into the outer leaf. Tested as Type B (sound). Tested as Type 2 (strength) to BS EN 845-1.

CE



SPE/B20 Safety Plain End Tie/Blank

Used over a movement joint in a run of brickwork or blockwork with safety embedment detail or plain end (B20).
(Sleeve supplied as extra).

CE



V7PE Plain End Frame Cramp

Used for restraining masonry to steelwork whilst allowing lateral movement.
(Sleeve supplied as extra).

CE



VE7/VS7 Frame/Slotted Frame Cramp

Frame cramp (supplied in stainless or galvanised steel) for restraining masonry to new or existing structures and for building in non-structural elements (frames etc). VS7 supplied with a slot in upstand to allow various fixings.

CE



VE7D/VS7D Frame/Slotted Frame Cramp With Drip

Frame cramp supplied with a drip to prevent moisture crossing the cavity. Drip position 90mm from safety end as standard. VS7D supplied with a slot in upstand to allow various fixings.

CE



V7H Frame Cramp Dowel Hole

Frame cramp with 3 x 6.5mm holes in the projection for a dowel bar. Used to restrain stone cladding and coping stones. Dowels supplied separately.

Dowel Bars Stainless steel dowel bars. Available in 6,8,10,12 and 20mm diameter and can be cut into lengths from 30mm to 3000mm.

CE



V96 Wire Frame Cramp

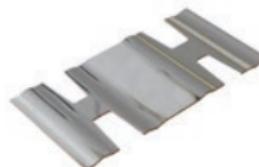
Welded wire frame cramp for all applications, as the VE7, with added flexibility provided by a wire projection.

CE



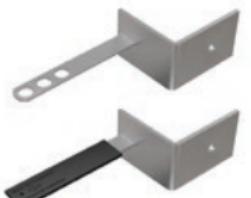
V63 Clasp Tie

Clasp tie, fixed to the side of a stanchion and used to restrain brickwork.



VCT Column Tie

A simple and cost effective product for restraining masonry back to 'H' section stanchions, providing four different slots to suit differing flange thicknesses.



VA7/VA7 PE Frame Cramp

For offset fixing where masonry is not in line with the steel column. Angle with 7mm fixing hole as standard with fixed projection tie. Debonded plain end projection also available (VA7PE).



SFC Steel Frame Channel

The steel frame channel system is designed to tie brickwork to steel studding. self-drill / self-tap screws fix through the channel and insulation into the steel studding.



V29 Dovetail Slot

Cast in dovetail slot, available in stainless steel pre filled with polystyrene (to prevent concrete ingress). Used in conjunction with ties to restrain brickwork.



V60S 28/15 Slotted Back Channel

28/15 slotted and holed channel for surface fixing. Slots and holes repeat every 75mm to ensure a fixing point is available along the entire length. Various fixings can be used in conjunction with ties to restrain brickwork.



V60T 28/15 Tanged Back Channel

28/15 tanged back channel for casting into concrete or building into brick/blockwork. Polystyrene infill available upon request. Used in conjunction with ties to restrain brickwork.

CE



VS8 Dovetail Safety Tie

Universal head enables this tie to be used with all V60 channel systems and V29 slot to restrain brickwork.

CE



VS8D Dovetail Safety Tie With Drip

Universal head enables this tie to be used with all V60 channel systems and V29 slot to restrain brickwork supplied with a drip to prevent the passage of moisture across cavity. Drip positioned 90mm from safety end as standard.

CE



VS9 Steel Channel Tie

Head specific for steel frame channel. Tie designed to suit a variety of cavities.



VIR Internal Head Restraint

The VIR head restraint is designed to resist lateral movement in wall heads, restraining them to structural soffits whilst allowing vertical movement (in order, for instance, to accommodate beam deflection). Also available Holed for Tek Screws or bolts, or with head for channels.



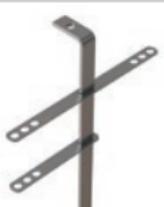
VHR Head Restraint

Simple, economical head restraint product. Twice holed to accommodate 100 or 140mm walls. Vertical movement is accommodated by allowing clearance between the top of the blockwork panel and the underside of the restraint angle. Can also be manufactured to fit 215mm blockwork.



WBS Welded B Stem

Offset head where there is no fixing directly above. Heavy Duty. Other head types available.



BCS Bent C Stem

Used as a soffit fixed head restraint. Light Duty, fixed in line with cavity below. Other head types available.

CE



V61 Timber Frame Tie

Stainless steel masonry-timber tie for timber frames up to 4 storeys. Accommodates vertical movement. Tested as type B (sound) and type 6 (strength) to BS EN 845-1. Supplied with stainless steel annular ring nails or stainless steel screws for SIPS panels.

CE



V62 High Movement Timber Frame Tie

Channel and strip tie system for use where the building height is 18m (5-7 stories). Maximum differential movement of 65mm. Fits cavities from 50mm to 150mm. Supplied with 50mm x 40mm stainless steel screws (250 per box).

CE



HELICAL TIE Timber Frame Wall Tie

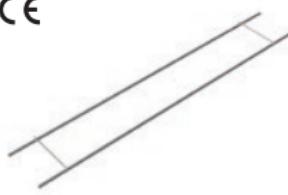
A 4.5mm Newbuild wall tie for securing external masonry to timber frames. The first helical wall tie tested to EN845-1 for timber frame construction.

V44 Coil Mesh

An expanded metal mesh available in various widths, stainless or galvanised steel. Designed to be incorporated into masonry for crack control.



CE



Weld

Welded ladder type Bed Joint Reinforcement available in 3, 3.5 or 5mm outer wires for structural and crack control. Available in stainless steel Grade 304 S15 in widths to suit any brick and block thickness. Conforms to BS 5628 : Part 2 2000. Also available in galvanised.



WINDOW REVEAL PLATE

Window Reveal Support

Supports the first few bricks in a full brick (215mm deep) window reveal during construction. Designed for the long leg of the plate to be built into the external leaf bed joint, providing a stable bearing for the reveal brick.



V30 Wavy Tail Ties

These products allow the introduction of a cavity tie into a situation where no ties are present. Stainless Steel 'wavy' tail ties used for remedial applications and available in lengths of 150 - 300mm. Designed for use in conjunction with resins.



REM Mechanical Remedial Ties

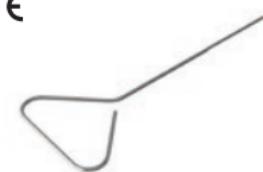
Remedial ties are used where existing cavity walls ties have had wall ties omitted, or where the wall ties have corroded and no longer perform their original function. Full installation instructions available on request.



V63 Universal Stainless Steel Wall Starter System

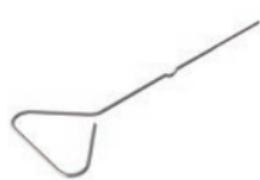
Joins new walls to existing masonry. Suitable for internal and external use. Connectors can be slotted together up to a maximum of 8 metres or 3 storeys, from 60 to 250mm thick. Includes fixings for a single leaf wall up to 2.4m.

CE



SST Starter Tie

SST Starter Tie supplied complete with nylon plug. Used where new walls are being built directly from existing brickwork. Alternatively can be used without plug and screwed directly into timber door or window frames.



SST Cavity Starter Tie

SST Starter Tie supplied complete with nylon plug. Used where there is a cavity and a new wall needs to be built. Supplied with drip.

Metal Work

A wide choice of metalwork products engineered in the highest quality materials. Includes restraint straps, support systems, fencing and decking products.



LDMH Galvanised SLDMH Stainless Steel

30mm x 2.5mm multi-holed straps supplied in 100mm increments. 6mm holes at 25mm offset centres. Available straight, bent or twisted or in combinations as required in both galvanised (LDMH) and stainless steel (SLDMH).



HDMH Galvanised SHDMH Stainless Steel

Multi-holed straps supplied in 100mm increments. 6mm holes at 25mm offset centres. Available straight, bent or twisted or in combinations as required in both galvanised (HDMH) and stainless steel (SHDMH).



SJH Standard Joist Hangers

BS6178:Part 1:1990 (Min 2.8N/mm²)

For supporting timber joists and structural composite timber from masonry walls. A non-welded construction to BS6178. Increased safe working loads, higher side flange and resists rotation.



V81 Standard Timber to Timber Hangers

A quick and safe method of joist trimming for light medium and heavy applications such as supporting floor joists, trimming stair wells, and underslung joists. They have increased hole centres to spread load over greater area.



V81-Long Long Leg Timber to Timber Hangers

Long leg, thicker construction for all heavy duty applications. Available with 450mm or 600mm legs.



V83 Girder Truss Shoes

Used to attach and support roof truss from girder truss. Higher qualified load performance and increased hole centres to spread load over a greater area. Manufactured from 1.2mm thick material.



V82 Mini Hangers

Support of short span joists, trap hatches and in-fill timbers in roof space. Designed for fast and economical light duty applications.



MTS Mono Truss Shoe

Mono truss shoe is designed for the support of a short span, mono or in-fill truss where the lower weight loadings are required over a standard girder truss shoe.



MH Multi Hangers

Supports multiple trusses from primary girder, purlin to beam connections and main trimmer joists. Used for joining timber to timber, masonry or concrete. Available in all timber widths. For higher overall load performance.



TC Truss Clips

Attaches trusses and rafters to wall plates to provide wind restraint. Avoids skew nailing damage and provides positive resistance to wind forces. Safe working load 2.38kN uplift.



V52 Universal Framing Anchors

The most effective and economical method of providing strong, mechanical joints for framing of timbers. The unique bending slot allows instant and accurate on-site bending for all 2 and 3 way ties. The reversible design is ideal for a variety of connections.



HDAB Heavy Duty Angle Brackets

A multi-purpose fixing for most 90 degree connections, ideal for use on site for many substrates. Adjustable, inexpensive and versatile with reinforced ribs for added strength.



V55 Hand Nail Plates

A nail plate system for manual use which enables the construction of timber structures on site to strengthen joints for non-structural applications. Automated production ensures uniform hole positions.



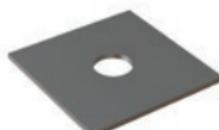
V59 Herringbone Joist Struts

Lateral support between timber floor joists. Giving superior bracing over unreliable, slow and costly timber noggins.



DSTC Double Sided Timber Connectors

For all applications to enhance bolt performance by reducing timber rotation and joint movement. Place between timbers on an M12 bolt prior to tightening.



SPW Square Plate Washers

For use with Timber Connectors above to reinforce timber on either side when tightening with bolts.



SFB Stainless GFB Galvanised

Ideal for general bracing on site. Can be cut, bent and formed with ease for all types of light fixing applications.



AP Angle Plates

A multi-purpose fixing angle plate for general site applications, ie for connecting timber joists to timber purlins.



HIP Hip Irons

Used with traditional hipped (georgian style) roofs on the corner of the hip. Screwed to rafter and embedded in mortar at base of hip to prevent ridge tiles from slipping off.



SVM Soffit Vent Mesh

An expanded stainless steel mesh to exclude birds and insects from vents. Economical and readily adaptable to various eaves details, it is light in weight and easy to handle on site. Coils of mesh in convenient dispensers reduce waste and make site work easier.



SPIKE Fencepost Spike Galvanised / Powder Coated

Suitable for most ground conditions. Provides the ideal anchor for any common timber post. Drive the spike into the ground using the Powapost™ driving in tool. Four fin spike is designed to help insertion and minimise twisting.



BLT Bolt Down Postholders Galvanised / Powder Coated

Designed for fixing posts to a concrete or wooden base. Ideal for fencing, decking, pergolas and car ports.



CIP Concrete In Postholders Galvanised / Powder Coated

Designed for fixing posts to a concrete base. Ideal for fencing, decking, pergolas and car ports.



REPAIR Repair Spike Galvanised / Powder Coated

Easily replace rotted 75 x 75mm wooden posts in concrete by squaring off at the base and driving repair spike between the old timber and the concrete bed. No new concreting needed.



PE Post Extenders for 75mm and 100mm Posts

Used to extend a 75mm or 100mm post, either to add a trellis or extend the post height.



ARRIS Arris Rail Brackets

Used to join a new arris rail to a wooden post or repair a broken wooden arris rail to an existing post.



FPC Fence Panel Clips

These simple and effective clips overcome the problem of split panel battens, and eliminates skew nailing.



KRS Knee Rail Strap

Made in two sizes to fit a 75 or 100mm knee rail to a post. Pre-bent at 90 degrees you bend to shape and secure with appropriate nails.



AP Brackets

Light duty versatile connectors for timber joining applications.



AB33 / AB40 Brackets

A series of galvanised steel angle brackets in a range of sizes.

AB33: From 30 x 30 x 2mm material.

AB40: From 40 x 3mm material.

Bead and Mesh

A comprehensive range of bead and mesh products offering accuracy, strength and excellent keying characteristics for plaster, render and cement. Includes stainless steel, galvanised and PVC-u products.



GPTC Galvanised Perforated Thin Coat Bead

A thin coat board bead for plaster skimming on plasterboard lined walls. Plaster depth 2/3mm. Nail holes for easy fix with drywall nails.

Scalloped edge for an excellent plaster key.

Internal use only.



GMM Galvanised Mini Mesh Bead

A thin coat bead with fine mesh wings designed for one coat plastering. Plaster depth 3mm. Fix with nails or plaster dabs. Use on plasterboard lined walls or aerated blocks. Internal use only.



GEB Galvanised Plasterboard Edge Bead

Reinforcing for plasterboard edges. Fix by nailing perforated flange on board face and skimming over, or with short flange on board face for a decorative finish.



GPS Galvanised Dry Wall Stop Bead

Thin coat plaster protection for edges and reveals. Can also be used when abutting thin coat plaster against other finishes or as an arch bead. Nail holes for easy drywall fix. Excellent plaster key. Internal use only.



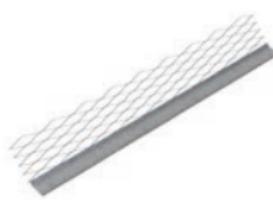
GAB Galvanised Angle Bead 45mm wing

Traditional wet plaster bead for strong, true corners or arrises. Mesh wings provide sound key and resistance to cracking. Fix with plaster dabs at 600mm centres. Recommended for internal use only.



GPS Galvanised Plaster Stop Bead

Provides a straight and clean edge to wet plaster where it butts up to other materials such as door and window frames. Fixed with plaster or mortar dabs at 600mm centres or can be nailed. Generally for internal use only. Stainless Steel or PVC-u is recommended for external use.



GERS Galvanised External Render Stop (Bell) Bead

Used where a neat drip or 'bell-end' lower edge is needed on external render. Fixed by mortar dabs or galvanised nails. Recommended for external use only in sheltered or low rainfall areas.



GMB Galvanised Movement Bead

For creating movement joints in plaster or render above in situ movement joints, particularly in long wall runs. Also for accommodating differential or thermal movement. Allows up to 4mm movement. Internal use only.



SAB Stainless Steel Angle Bead

Traditional render bead for strong, true corners or arris. Mesh wings provide sound key and resistance to cracking. Fix with mortar dabs at 600mm centres.



SPS Stainless Steel Plaster Stop

Provides a straight and clean edge to render where it butts up to other materials such as door and window frames. Fixed with mortar dabs as above or can be nailed using stainless steel fixings.



SERS Stainless Steel External Render (Bell) Bead

Used where a neat drip or 'bell-end' lower edge is needed on external render. Fixed by mortar dabs or stainless steel nails.



PAB23 PVC-u Angle Bead Thincoat

A PVC-u equivalent to a mini mesh or perforated thin coat bead for use with plasterboard where a skim coat is required. Fixed using drywall nails or jointing filler the profile allows for a 2mm to 3mm plaster coat to provide a neat corner edge. Internal use only.



PAB PVC-u Angle Bead

A PVC-u alternative to traditional corner beads. The wing provides a good key and a range of bead nose lengths accommodates varying depths of plaster or mortar. Fix with plaster or mortar dabs, or nails. Internal and external use.



PPS3 PVC-u Arch Bead

A flexible bead allowing the plasterer to form a dry wall corner arch to the radius of his choice. The nose allows for 3mm of plaster skim and forms a stop for the plaster. For use internally the bead can be fixed by nailing, jointing filler or adhesive to plasterboard.



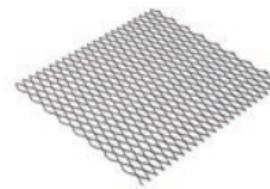
PPS PVC-u Plaster Stop Bead

Used in the same way as a steel plaster stop this bead comes in four flange widths for use with either plaster or external render. Fixing by nailing or plaster/mortar dabs the bead provides a straight edge to separate plaster or mortar from other materials. Internal and external use.



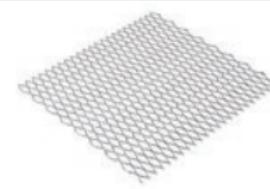
PERS External Render Stop (Bell) Bead

For use with external render to provide a drip feature at the bottom of the render coat. Fixed using either mortar dabs or masonry nails the bead forms a straight edge to the bottom of the render.



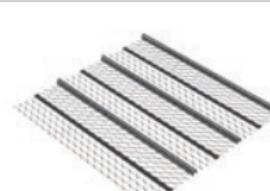
GEML Galvanised Expanded Metal Lath

A key for plaster on suspended ceilings and walls this versatile product can also be used to encase steel columns and beams to assist in fire protection. Use internally, fixed with galvanised nails, staples or tying wire.



SEML Stainless Steel Expanded Metal Lath

A key for render work externally or for plaster work internally where damp conditions prevail. Fix with stainless steel nails, staples or wire or alternatively proprietary polypropylene anchors to masonry or concrete.



GRL Galvanised Rib-Lath

Stiffening ribs provide excellent key for deeper coatings of plaster or render on walls. Can also be used for partitions and ceilings. Fixed with galvanised steel nails, galvanised steel staples or tying wire.



SRL Stainless Steel Rib-Lath

Stiffening ribs provide excellent key for deeper coatings of plaster or render on walls. Can also be used for partitions and ceilings. Fixed with stainless steel nails, stainless steel staples or tying wire. External use only.

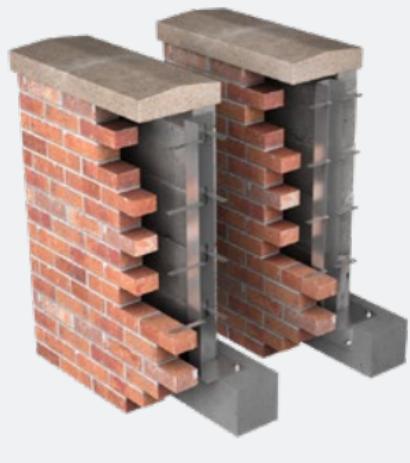


SLLD Security Lath Light Duty

This light duty Security Lath is a lightweight and economical security lath suitable for internal wall security, partitions, ceilings and roofs. Each sheet weighs approximately 6kgs and can easily be handled by one man.

Windposts

A range of posts to provide support to masonry panels subject to higher lateral loads without the need for extra columns or an increase in wall thickness.



VEW1 Windposts

Additional strength and load resistance is created by embedding the inner leg of the VEW1 Windpost into the inner leaf joint.

VEW1 & VEW2 Parapet Posts

With no head fixings, VEW1 and VEW2 Parapet Posts are designed as propped cantilevers, using heavier base fixings to resist movement.



VEW2 Windposts

Designed to sit in the cavity itself and tied to both inner and outer leaves, VEW2 Windposts are ideal for more lightly loaded walls.

VEW3 Spine Posts

Sitting within the width of a single block, VEW3 Spine Posts add strength without ruining the 'fair faced' finish of internal walls.

Masonry Support

An exhaustive range including continuous and individual support angles and brackets, stone support brackets and a wide variety of fixings and anchors. Every support solution is developed to the precise needs of each project.



VEAS Masonry Support Angle

Suitable for jobs with cavities less than 50mm or where the underside of the masonry panel is exposed and the cavity needs to be closed.



VESS Masonry Support System

Our support systems are made up of brackets welded to continuous angles at pre-designated fixing centres and are suitable for cavities in excess of 45mm.



VEIB & VEIBS Individual Bracket Masonry Support

Individual masonry support brackets are generally used when the continuous support is difficult to achieve such as curved brickwork.



VESB Stone Support Brackets

We follow BS8298-1, -2,-3,-4:2010 “Code of Practice for the Design and Installation of Natural Stone Cladding and Lining” as the basis for our stone support systems.

Available from:



Cert No: 205433

Cert No: 213904

Certificate Number: 1473
BS EN 1090