Vista Engineering Limited

POCKET GUIDE

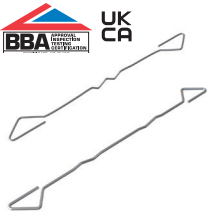
Wall Ties
Bead and Mesh
Builders' Metalwork
Landscaping
Windposts
Masonry Support

Engineered Strength

vista

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.



VE4 Light Duty Housing Tie

Light duty wall tie used in domestic dwellings. Suitable for buildings with a maximum height of 10m and cavity widths from 50-150mm. (Type 4 Wall Tie). The 225mm features an offset drip which sits within the clear cavity.

Available with TiePac dispenser.

EN2 General Purpose Wall Tie

General-purpose wall tie used in small commercial buildings and domestic dwellings. Suitable for buildings with a maximum height of 15m and cavity widths from 50-125mm. (Type 2 Wall Tie).

VE2 General Purpose Wall Tie

General-purpose wall tie used in small commercial buildings and domestic dwellings. Suitable for buildings with a maximum height of 15m and a cavity width of 126-150mm. (Type 2 Wall Tie).

NEUTRAS Low Thermal Conductivity Wall Ties

NEUTRAS wall ties have both low thermal conductivity and high structural performance levels. They are available as Type 4, 2 and 1 wall Ties.

VST1 Heavy Duty Formed Safety Tie

A heavy-duty formed safety wall tie suitable for most buildings in the UK of any height, with cavities from 50-150mm. (Type 1 Wall Tie).

VS4 Heavy Duty Flat Safety Tie

A heavy-duty wall tie suitable for most buildings in the UK of any height, with cavities up to 150mm. Used for collar jointed walls, in full fill cavities or where the prevention of moisture travelling across the cavity is not an issue. (Type 1 Wall Tie).

VS6 Heavy Duty Dripped Safety Tie

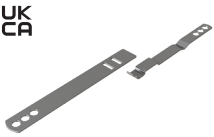
A heavy-duty wall tie suitable for most buildings in the UK of any height, with cavities from 50-150mm. The drip feature prevents moisture travelling across the cavity (taking less space than vertical twist). (Type 1 Wall Tie).

V26 Traditional Double Triangle Wall Tie

Traditional Double Triangle, general-purpose wall tie used in small commercial buildings and domestic properties. Suitable for buildings with a maximum height of 15m and cavity widths from 50-125mm. (Type 2 & 3 Wall Tie).

V23 Insulation Clip - Eco

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



TPT Two Part Ties

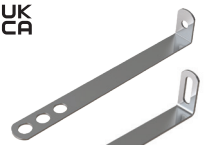
Two part general-purpose wall tie used in small commercial buildings and domestic properties. Suitable for buildings with a maximum height of 15m and cavity widths from 150-300mm. The Vista two part tie allows larger cavities to be spanned. (Type 2 Wall Tie)

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).

V7PE Plain End Frame Cramp

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

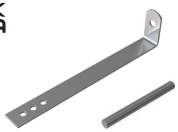


VE7/VS7 Frame/Slotted Frame Cramp

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.

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.



V7H Frame Cramp Dowel Hole

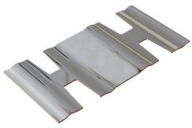
Frame cramp with 3 x 6.5mm holes in the projection for a dowel bar. Used to restrain stone cladding and coping stones. Dowels supplied separately. Stainless steel dowel bars. Available in 6,8,10,12 and 20mm diameter and can be cut into lengths from 30mm to 3000mm.

V96 Wire Frame Cramp

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

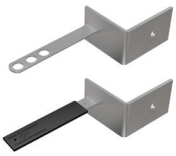
V63 Clasp Tie

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.

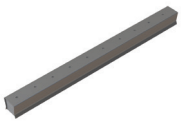


VA7/VA7 PE Frame Cramp

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 pointis 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.

UK CA

VS8 Dovetail Safety Tie

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

UK CA

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.

UK CA

VS9 Steel Channel Tie

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

VIR Internal Head Restraint

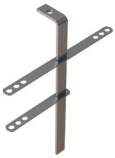
The VIR head restraint is designed to resist lateral movement in wall heads, restraining them to structural soffits whilst allowing vertical movement (in order, for instance, to accommodate beam deflection). Also available Holed for Tek Screws or bolts, or with head for channels.

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.

UK CA

V61 Timber Frame Tie

Stainless steel masonry-timber tie for domestic and small commercial buildings up to four storeys high. Suitable for buildings with a maximum height if 15m and cavity widths from 50-100mm. Designed to accommodate vertical movement. (Type 6 Tie)

UK CA

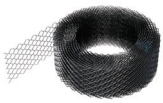
V62 High Movement Timber Frame Tie

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

UK CA

HELICAL TIE Timber Frame Wall Tie

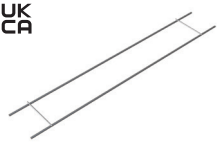
A 4.5mm newbuild stainless steel masonry-timber tie for domestic and small commercial buildings up to four storeys high. Suitable for buildings with a maximum height if 15m and cavity widths up to 165mm. Designed to secure external masonry to timber frames. (Type 6 Tie)



V44 Coil Mesh

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

UK CA



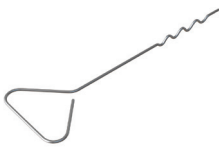
Vista Weld

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 Vista 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.

UK CA

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.

Metalwork

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

V Galvanised SS/V Stainless Steel

Light Duty 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 (V) and stainless steel (SS/V).

H Galvanised SS/H Stainless Steel

Heavy Duty 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 (H) and stainless steel (SS/H).

SMH Joist Hangers

A range of Heavy Duty Joist Hangers designed for building into brickwork or blockwork. Available as a Type S (pictured), Type R (return flange) and a Type D (straddle).

A190 Short A270 Standard

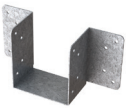
Light Duty Hangers providing a quick and safe method of joist trimming for light, medium and heavy applications such as supporting floor joists, trimming stair wells, and underslung joists. They have increased hole centres to spread load over greater area.

B340 Standard B460 Long B610 Extra Long

Medium Duty Hangers with standard, long and extra long legs. Suitable for all heavy duty applications. Available with 340mm, 450mm or 600mm legs.

GTS Girder Truss Shoe

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.



MINI 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.

MTH Multi-Truss Hanger

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.

FA 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.

NP Nail Plates

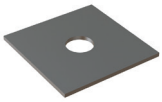
A nail plate system for manual use which enables the construction of timber structures on site to strengthen joints for non-structural applications. Automated production ensures uniform hole positions.

HJS 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

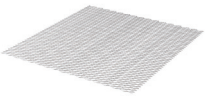
Ideal for general bracing on site. Can be cut, bent and formed with ease for all types of light fixing applications.

HDA Holding Down Angles

A multi-purpose fixing angle plate for general site applications, i.e. 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.

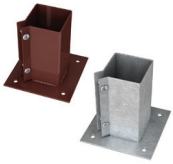


SVM Soffit Vent Mesh

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.

DPS Powder Coated G/DPS Galvanised

Suitable for most ground conditions, this Drive-In Fence Post Spik gives the ideal anchor for any common timber post. Drive the spike into the ground using the Powapost™ driving in tool, the four fin spike is designed to help insertion and minimise twisting.



PS1 Powder Coated G/PS1 Galvanised

The PowaPost® Bolt Down Shoe is designed for use when posts are required to be installed on an existing hard surface such as a concrete or wooden base. Ideal for use when building carports, pergolas, fencing and decking.

PS2 Concrete-In Post Shoe

Designed for use when soil conditions are unsuitable for drive-in spikes.

RS Repair Spike

The PowaPost® repair spike is a sturdy welded shoe which provides an easy solution to broken or rotted timber posts that have been previously set into concrete. It is inserted into the existing hole and eliminates the need to excavate or do any additional concreting.

PEX Post Extender

The PowaPost® Post Extender is a single piece welded box section 180mm long that enables easy extension of any 75 or 100mm timber post, allowing easy addition of decorative panels and trellis.

ARB Arris Rail Brackets

For use with feather edge fencing, this galvanised bracket secures arris rails to posts. The ARB 285 has a pointed end.

PC Panel Clip

A galvanised fixing used to securely attach fence panels to posts reducing the risk of nail damage to timber.

KRB Knee Rail Bracket

A galvanised fixing used to securely attach knee rails to posts reducing the risk of nail damage to timber. Supplied once bent.

AP Brackets

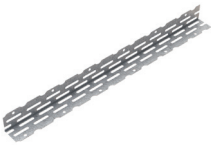
Light duty versatile connectors for timber joining applications.

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

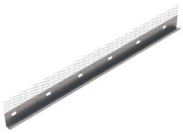
Reinforcing for plasterboard edges. Fix by nailing perforated flange on board face and skimming over, or with short flange on board face for a decorative finish.

GPS Galvanised Dry Wall Stop Bead

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

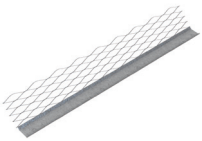
GAB Galvanised Angle Bead 45mm wing

Traditional wet plaster bead for strong, true corners or arris. 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

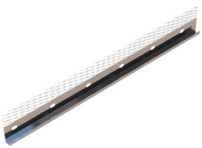
Used where a neat drip or 'bell-end' lower edge is needed on on external render. Fixed by mortar dabs or galvanised nails. Recommended for external use only in sheltered or low rainfall areas.

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.

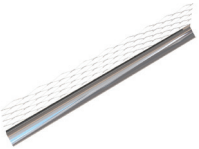
SAB Stainless Steel Angle Bead

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

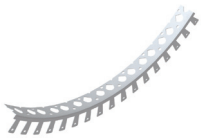
Used where a neat drip or 'bell-end' lower edge is needed on external render. Fixed by mortar dabs or stainless steel nails.

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.

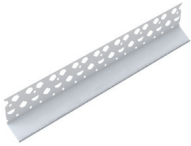


PPS3 PVC-u Arch Bead

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.

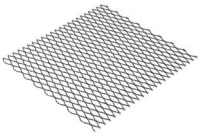
PPS PVC-u Plaster Stop Bead

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.



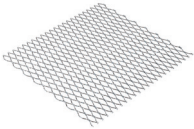
PERS External Render Stop (Bell) Bead

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

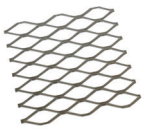
A key for render work externally or for plaster work internally where damp conditions prevail. Fix with stainless steel nails, staples or wire or alternatively proprietary polypropylene anchors to masonry or concrete.

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.

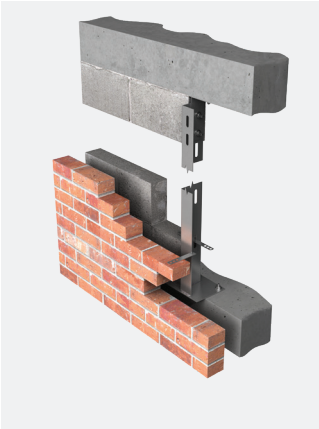


SLLD Security Lath Light Duty

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.

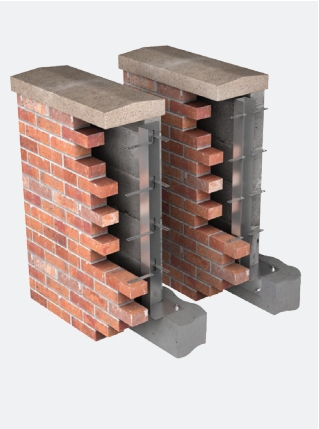
Windposts

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.



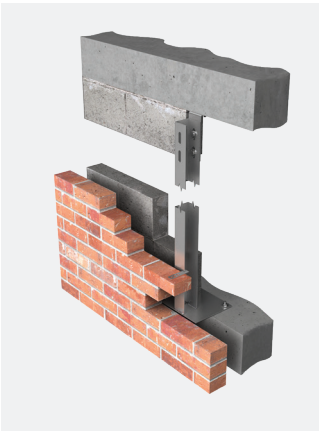
VEW1 Windposts

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, Vista 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:

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ISO 14001 ISOQAR REGISTERED Cert No: 213904
ISO 45001 ISOQAR REGISTERED Cert No: 14733

BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 17/5462

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