Vista Engineering Limited

Premium Wall Ties



Engineered Strength

Part of the vistaGROUP

Proven Products ■ Reliable Service ■ Competitive Prices


Vista
Vista Engineering Ltd



A message from our Managing Director

Vista Engineering is a family-owned business established by my father over 50 years ago. The relationships we've built over those years are the foundation of our growth and stability. They allow us to take a long-term view, ensuring mutual success. We're committed to delivering the products you need, supported by friendly, effective service, all at competitive prices. Explore our wall tie range, engineered for today's construction demands.

Philip Travis, *Group Managing Director*

Welcome to Vista Engineering

Vista Engineering is a leading manufacturer of wall ties,fixings, and ancillary products. As part of the Vista Group, the UK's largest independent manufacturer of builders' metalwork, we operate from six UK sites with a turnover of circa £40 million. Our ISO 9001, 14001, and 45001 certifications guarantee quality, sustainability, and safety in everything we do.

ISO 9001
ISO 14001
ISO 45001

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Our Commitment to You

Proven Products

Our range of high-quality products are engineered to meet the demanding specifications of today's construction industry. For over 50 years, we've been exploring new manufacturing methods and improving existing ones to provide a superior product to our customers and meet their needs more effectively. And by investing in staff, machinery and premises at our 6 UK sites, we're able to increase efficiency and productivity while maintaining the highest possible standards.

Our ISO 9001 certification ensures consistent quality throughout our manufacturing process. From the high-grade steel that enters our factory to the high-performance finished products that leave it - many of which are BBA approved - we maintain the highest standards at every stage. That means you can rely on Vista for dependable, proven products.

Reliable Service

Supporting our customers is just as important as supporting the construction projects they work on.

We build long-lasting relationships by understanding what our customers need and working closely with them to meet those requirements. Our friendly, knowledgeable Customer Service team is always on hand to help with enquiries and ensure you get the right products, when and where you need them. Many customers have stayed with us for decades because of this approach.

With a large stockholding and a dependable delivery network, we can supply mixed product loads quickly to site. We also offer a full technical design service for products such as windposts and masonry support when required.

Competitive Prices

Being more efficient in our approach to product design, manufacturing, service, packaging and distribution means we can be more competitive with our prices. That's because we pass on the benefits that come from economies of scale and more efficient operations in every area of our business. All with the aim of giving our merchant customers better margins and healthier profits and providing builders and contractors with even better value for money.

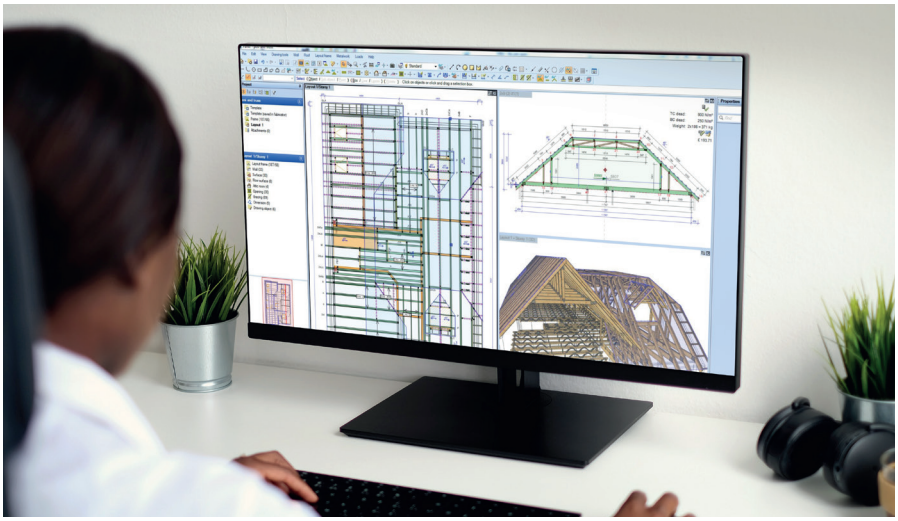
The proven wall tie range, delivered on time and always competitively priced.



Supporting Our Partners

Supporting the Specifier

We support specifiers with a dedicated technical helpline, NBS Source listings, technical drawings and BIM objects for seamless integration. Our BS EN 845-1-compliant, BBA-approved products, backed by ISO 9001 certification, ensure reliability, reflecting well on your reputation.



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Supporting the Merchant

Our broad range of proven wall ties supported by 24-hour delivery on stock items and professional packaging, enhances your retail experience. By targeting specifiers, we drive demand for our products, boosting your sales and profitability.



24-hour delivery on all stock items.

24h

Our Policies

CSR

Vista Engineering Ltd is steadfast in its commitment to Corporate Social Responsibility (CSR), focusing on ethical business practices, community engagement, environmental sustainability, and employee well-being. Upholding transparency and integrity, we actively contribute to local communities through outreach and initiatives, while minimising our ecological footprint through sustainable production practices. Our dedication extends to responsible supply chain management, collaborating with suppliers who share our ethical and environmental values. Through transparent reporting, Vista Engineering Ltd aims to be a socially responsible leader in the field, creating lasting value for all stakeholders.

Environmental

Vista Engineering Ltd is dedicated to environmental responsibility through a concise and focused policy. We commit to sustainable operations by minimising waste, optimising resource usage, and adhering to the highest environmental standards and regulations. Emphasising energy efficiency, eco-friendly materials, and waste reduction, we actively engage in continuous improvement initiatives, regularly reviewing and renewing our practices to minimise environmental impact while reducing operational costs. Our employees are vital in fostering a culture of environmental awareness through training programs. By integrating these principles, Vista Engineering Ltd aims to be a leader in sustainable practices, contributing to a healthier and more environmentally conscious future.

Modern Slavery

Vista Engineering Ltd, part of the Vista Group, is fully committed to eradicating modern slavery and human trafficking in its operations and supply chain. The company maintains a zero-tolerance approach, enforces internal policies, conducts rigorous due diligence on suppliers, and provides ongoing training for procurement teams. These efforts align with the group's compliance with the Modern Slavery Act 2015. The Board of Directors, led by Group Managing Director Philip Travis, approved this statement on November 10, 2021, reinforcing the company's dedication to transparent and ethical business practices.



PlanetMark

ISOQAR REGISTERED
UKAS MANAGEMENT SYSTEMS
0026

Certificate Number 14733
ISO14001

Tel: 01663 736700

Manufacturing Capabilities



Engineered Strength

Our UK manufacturing sites follow strict Good Manufacturing Practice (GMP) principles, ensuring safety, quality, and reliability. Our comprehensive Quality Management System, certified to ISO 9001, covers every aspect of production - from material selection to final inspections.

We source high-grade steel from reliable suppliers, rigorously inspecting and testing it to meet exacting standards. Each manufacturing step, from preparation to finishing, is precisely controlled and meticulously documented. In-process and final testing ensures our wall ties meet performance and quality benchmarks.

Any process changes are thoroughly evaluated to maintain consistency, with regular audits confirming compliance. This rigorous approach delivers superior products that contribute to safer, more durable construction projects.

ISOQAR REGISTERED UKAS MANAGEMENT SYSTEMS 0026

Certificate Number 14733
ISO9001

We source high-grade steel from reliable suppliers, rigorously inspecting and testing it to meet exacting standards.

Any process changes are thoroughly evaluated to maintain consistency.

The Vista Group Innovation Centre: In-House Testing & Engineering

Innovation demands absolute certainty. The brand-new Vista Group Innovation Centre is a state-of-the-art facility featuring dedicated in-house testing, serving as a shared, group-wide engineering resource to accelerate progress across all our brands.

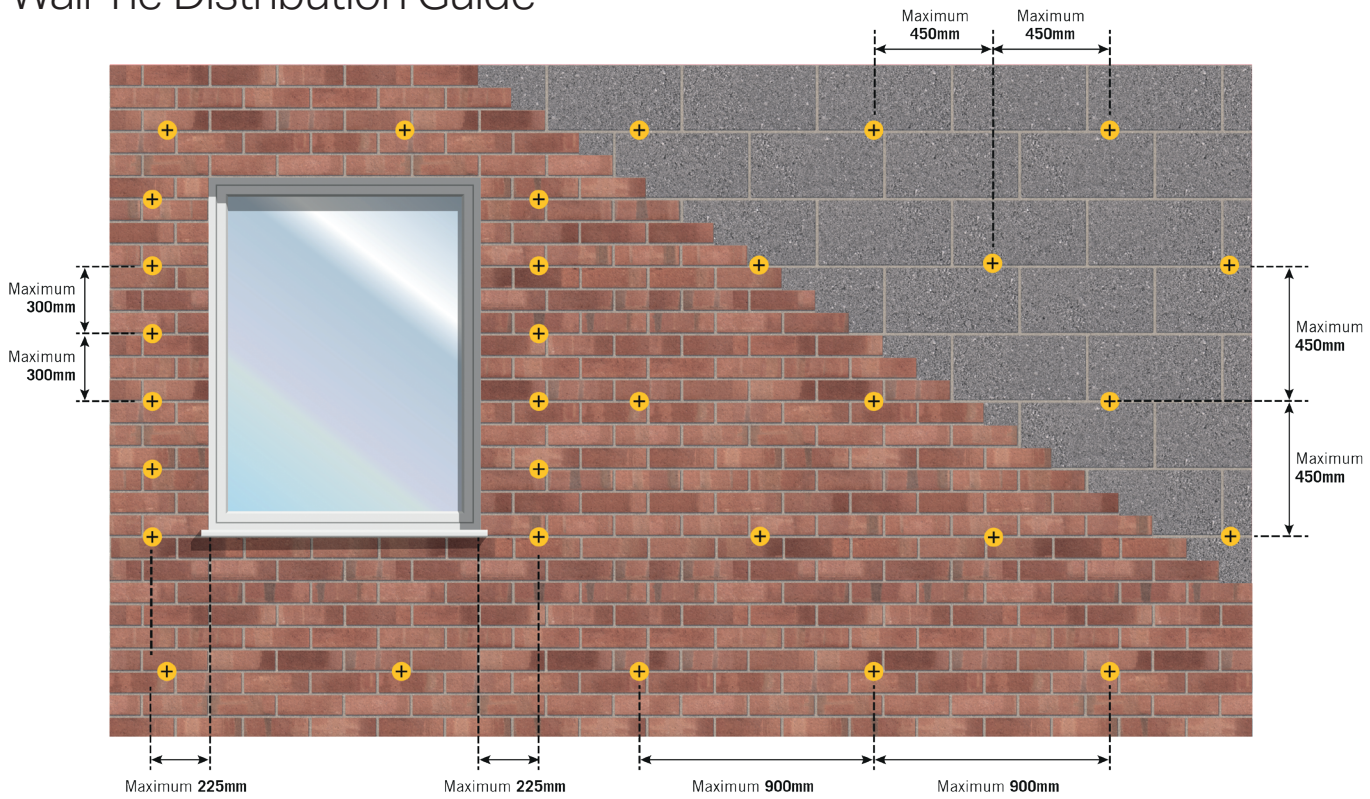


By bringing advanced testing entirely in-house, we have centralised our capabilities to deliver:

- Rapid Prototyping & Collaboration: Faster design iterations and a dedicated space to host specifiers and partners for live demonstrations.
- Rigorous Internal Testing: To the requirements of harmonised standards and European approval documents, along with the ability to carry out testing of non-compliant installations to learn from these using data and image capturing.
- Product Certification: Third-party acceptance to allow test data to be used for product certification.
- This centre is a major leap forward," says Phil Travis. "Bringing these advanced testing capabilities in-house ensures a rapid, reliable pipeline of next-generation products for the entire group."

The correct density and placement of wall ties are essential for ensuring the structural stability and durability of cavity walls. This guidance outlines standard spacing requirements and best practices in accordance with UK Building Regulations and industry standards.

Wall Tie Distribution Guide



Wall Tie Density and Positioning

(UK Guidance - Standard Spacing)

Horizontal spacing:

- Up to 75mm cavity: 900mm
- Over 75mm cavity: 750mm

Vertical spacing: 450mm

This results in a minimum of 2.5 ties per m^2 for standard walls.

Wider cavities (Over 150mm)

For cavities over 150mm, spacing is typically reduced to:

- 600mm horizontal
- 450mm vertical

This increases the density to around 3.7 ties per m^2.

Around Openings (e.g. windows, doors)

Additional ties must be placed:

- Within 225mm of the edge of the opening

Vertically spaced no more than 300mm apart

This ensures structural integrity and prevents cracking.

Length and Embedment of Ties

Whilst the British Standards suggest a minimum embedment of 50mm, in order to allow for site variation and reasonable working tolerance, Vista Engineering specify a minimum of 63-75mm embedment, and a minimum 25mm mortar thickness after the tie.

Installation Best Practices

Ties should be:

- Evenly distributed and preferably staggered
- Embedded 63-75mm
- Installed with a slight fall towards the outer leaf to prevent water ingress
- Do not push ties into joints after laying – they must be bedded in fresh mortar

Regulatory References

- Approved Document A (Structure) – Table 5 and Paragraph 2C19
- BS EN 845-1 – Tie specifications
- PD 6697:2019 – Design recommendations for masonry
- NHBC Standards – Best practice for new homes
- Robust Details – For sound insulation (Type A ties in separating walls)

You can find the correct wall tie size for various cavity widths listed next to each product within the specific sections of our product pages.

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Minimum Requirements

Minimum requirements for Wall Ties to PD 6697: 2019 (Table 12) and BS 5268-6.1: 1996 (Annex B)

Type of Tie	Minimum Mortar Class and Designation	Tensile Load Capacity (N)	Compressive Load Capacity (N)
1	M12 (i) M2 (iv)	5000 2500	4000 2000
2	M2 (iv)	1800	1050
3	M2 (iv)	1100	650
4	M2 (iv)	650	350
6	M4 (iii)	630	440
7	M4 (iii)	To be declared by the wall tie manufacturer	

Following a change to wall tie test procedures in BS EN 846-5:2012 from August 2015, all bracketed compression values are taken into account by Vista and will be included in the next issue of PD6697.
Lime Mortars: Vista stainless steel wall ties can be used with lime mortars (minimum strength HLM2). Use the general guidelines given above to select the correct tie for the job.

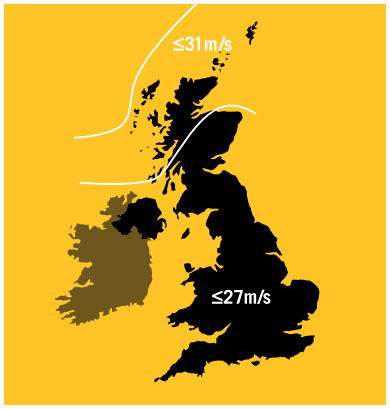
Wall Tie Selection to PD6697:2019

D.D.140 Classification	Application Height	Maximum Building Height	Geographical Location	Vista Tie Reference
Type 1	Heavy Duty Tie suitable for most building sizes and types. Not very flexible and not recommended for applications where there is expected to be excessive differential movement between masonry leaves	Any Height	Suitable for most sites	VST1, VE1, VS6, Neutras 1
Type 2	General Purpose Tie suitable for small commercial buildings and domestic dwellings	15m	Suitable for flat sites where the basic wind speed is up to 31m/s and altitude is not > 150m above sea level	VE2, V26 (Up to 250mm long), TPT, Neutras 2
Type 3	As Type 2 above	15m	As Type 2 above but where the basic wind speed does not exceed 27m/s and altitude is not > 150m above sea level	V26 275, 300mm long
Type 4	Light Duty Wall Tie suitable for box form domestic dwellings with leaves of similar thickness	10m	Suitable for buildings on flat sites where the basic wind speed does not exceed 27m/s and altitude is not > 150m above sea level	VE4, Neutras 4

Selection to BS5268-6: 1:1996 Performance Criteria

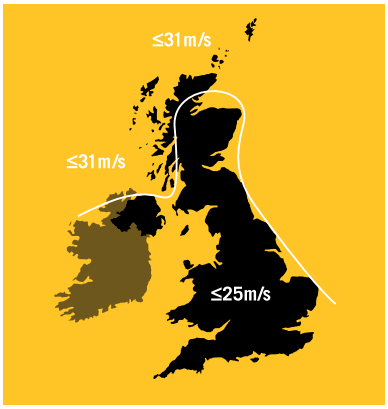
Type 6	Timber Frame Tie suitable for domestic dwellings and small commercial developments up to three* storeys. *BS 5268-6.1:1996 specifies four storeys.	15m	Suitable for buildings on flat sites where the basic wind speed does not exceed 25m/s and altitude is not > 150m above sea level	V61
Type 7	Timber Frame Tie suitable for domestic dwellings and small commercial developments up to five to seven storeys	18m	Suitability to be calculated for each location	V62

Wind Zones Masonry to Masonry



Information taken from BS EN 1991-1-4:2005. Code of Practice for Wind Loads for use with PD 6697:2010.

Wind Zones Masonry to Timber



Information taken from BS 6399-2: 1997. Code of Practice for Wind Loads for use with BS 5268-6: 1:1996.

These products act to secure two leaves of a cavity wall to each other, allowing them to act as one structurally.
A cavity tie usually incorporates some mechanism (usually a change of shape) to discourage moisture moving across the tie.
Most cavity ties are available with a dedicated clip to secure insulation (usually in sheet form) within the cavity.

Type 1 - Heavy Duty Wall Ties

Type 1 wall ties are designed for use in buildings of any height, making them suitable for high-rise and exposed locations across the UK. They are ideal for most masonry types but should be avoided where significant differential movement between leaves is expected..

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 50-225mm. Constant drip feature to prevent moisture travelling across cavity. Supplied with visibility caps. Used to cover protruding end of VST1, remove when building external masonry.

Tested as Type B (sound)
Tested as Type 1 (strength) to BS EN 845-1



Code	Size	Cavity	Units
VST1-200-STST	200mm	50-75mm	250 Box
VST1-225-STST	225mm	76-100mm	250 Box
VST1-250-STST	250mm	101-125mm	250 Box
VST1-275-STST	275mm	126-150mm	250 Box
VST1-300-STST	300mm	151-175mm	250 Box
VST1-325-STST	325mm	176-200mm	250 Box
VST1-350-STST	350mm	201-225mm	250 Box



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Compatible with Eco Clip universal insulation clip. SEE PAGE 14

VE1 Heavy Duty Safety Vertical Twist Tie

A heavy-duty safety vertical twist wall tie suitable for most buildings in the UK of any height, with cavities from 50-150mm. The vertical twist feature prevents moisture travelling across the cavity.
Tie can be installed either way up.
Tested as Type B (sound)
Tested as Type 1 (strength) to BS EN 845-1



Code	Size	Cavity	Units
VE1-200-STST	200mm	51-75mm	250 Box
VE1-225-STST	225mm	76-100mm	250 Box
VE1-250-STST	250mm	101-125mm	250 Box
VE1-275-STST	275mm	126-150mm	200 Box
VE1-300-STST	300mm	126-150mm	200 Box



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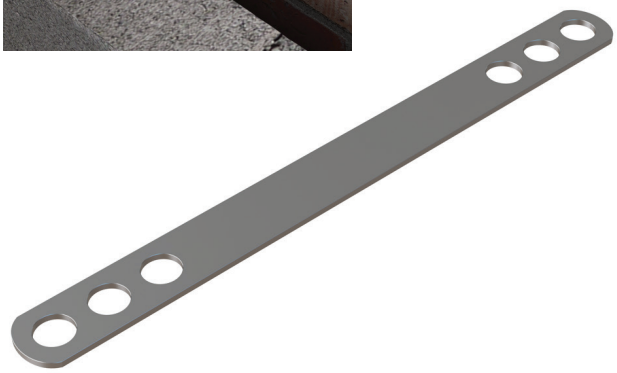
Compatible with Eco Clip universal insulation clip. SEE PAGE 14

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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 cavities or where the prevention of moisture travelling across the cavity is not an issue.
Tested as Type B (sound)
Tested as Type 1 (strength) to BS EN 845-1

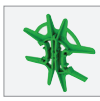




Code	Size	Cavity	Units
VS4-150-COLLAR	150 x 3mm	0mm	250 Box
VS4-150-STST	150mm	0.25mm	250 Box
VS4-175-STST	175mm	26-50mm	250 Box
VS4-200-STST	200mm	51-75mm	250 Box
VS4-225-STST	225mm	76-100mm	250 Box
VS4-250-STST	250mm	101-125mm	250 Box
VS4-275-STST	275mm	126-150mm	200 Box
VS4-300-STST	300mm	126-150mm	200 Box

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Compatible with Eco Clip universal insulation clip. SEE PAGE 14

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

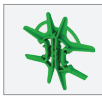




Code	Size	Cavity	Units
VS6-200-STST	200mm	51-75mm	250 Box
VS6-225-STST	225mm	76-100mm	250 Box
VS6-250-STST	250mm	101-125mm	250 Box
VS6-275-STST	275mm	126-150mm	200 Box
VS6-300-STST	300mm	126-150mm	200 Box

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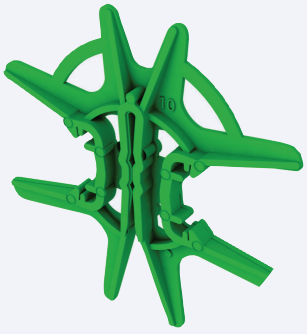


Compatible with Eco Clip universal insulation clip. SEE PAGE 14

ECO-CLIP Universal Insulation Clip

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

Code	Size	Units
ECO-CLIP	80mm DIA	250 Bag
ECO-CLIPS-50BAG	80mm DIA	50 Bag



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Type 2 and 3 - General Purpose Wall Ties

Type 2 and Type 3 ties are suitable for domestic and small commercial buildings up to 15 metres high. These ties are apropriate for flat or sheltered sites where the basic wind speed does not exceed 31 m/s (Type 2) or 27 m/s (Type 3) and the altitude is below 150m above sea level.

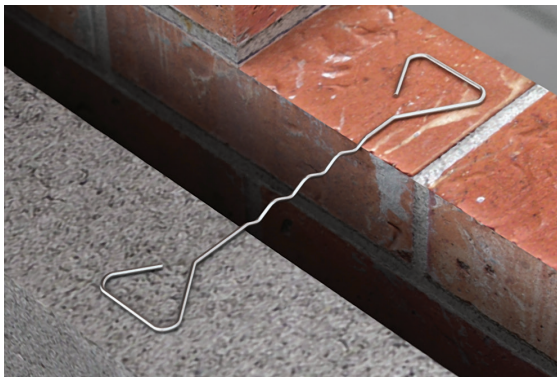
VE2 General Purpose Wall Tie

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 50-150m. 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

Code	Size	Cavity	Units
VE2-200-STST*	200mm	50-75mm	250 Box
VE2-200-50PK*	200mm	50-75mm	50 Pack
VE2-225-STST*	225mm	76-100mm	250 Box
VE2-225-50PK*	225mm	76-100mm	50 Pack
VE2-250-STST*	250mm	101-125mm	250 Box
VE2-275-STST	275mm	126-150mm	250 Bundle

* Performance tested and verified. Pending formal addition to the VE2 BBA Certificate.





Compatible with Eco Clip universal insulation clip. SEE PAGE 14

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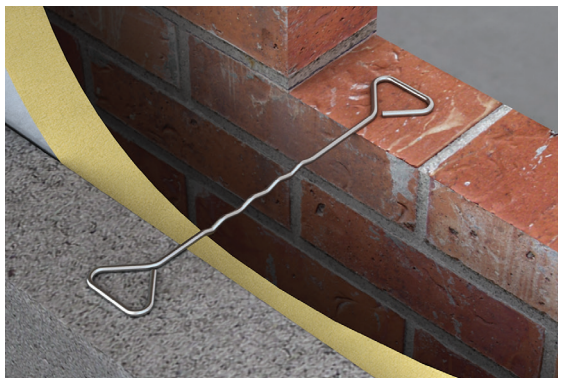
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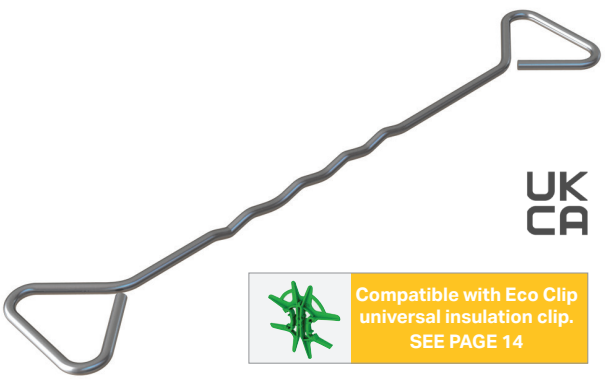
V26 Traditional Double Triangle Wall Tie

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 0-175mm. 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

* For a Type 3 tie ask for the V26-275-STST or V26-300-STST
These products feature an offset drip.

Code	Size	Cavity	Units
V26-150-STST	150mm	0mm	250 Bundle
V26-250-STST	250mm	101-125mm	250 Bundle
V26-275-STST*	275mm	126-150mm	250 Bundle
V26-300-STST*	300mm	151-175mm	250 Bundle





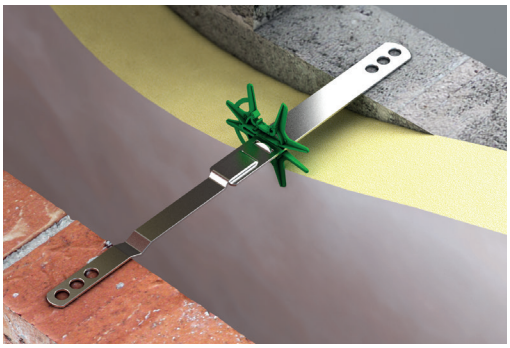
Compatible with Eco Clip universal insulation clip. SEE PAGE 14

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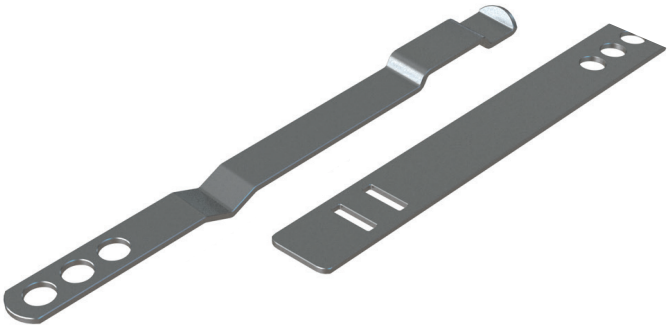
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TPT Two Part Tie



As a result of problems experienced over wider cavities (150mm to 300mm) and their weight causing long ties to overturn, the Vista two part tie allows larger cavities to be spanned, (up to BS EN 845 - 1 standard for a type 2 tie). The flat section is built into the inner leaf as construction proceeds, the longer section is then locked into the shorter section and built into the outer leaf as it lifts.
Tested as Type B (sound)
Tested as Type 2 (strength) to BS EN 845-1 up to 300mm cavity

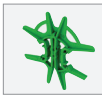
Code	Size	Cavity	Units
TPT-300-STST	300mm	151-175mm	100 Box
TPT-325-STST	325mm	176-200mm	100 Box
TPT-350-STST	350mm	201-225mm	100 Box
TPT-375-STST	375mm	226-250mm	100 Box
TPT-400-STST	400mm	251-275mm	100 Box
TPT-425-STST	425mm	276-300mm	100 Box
TPT-450-STST*	450mm	301-325mm	100 Box
TPT-475-STST*	475mm	326-350mm	100 Box
TPT-500-STST*	500mm	351-375mm	100 Box



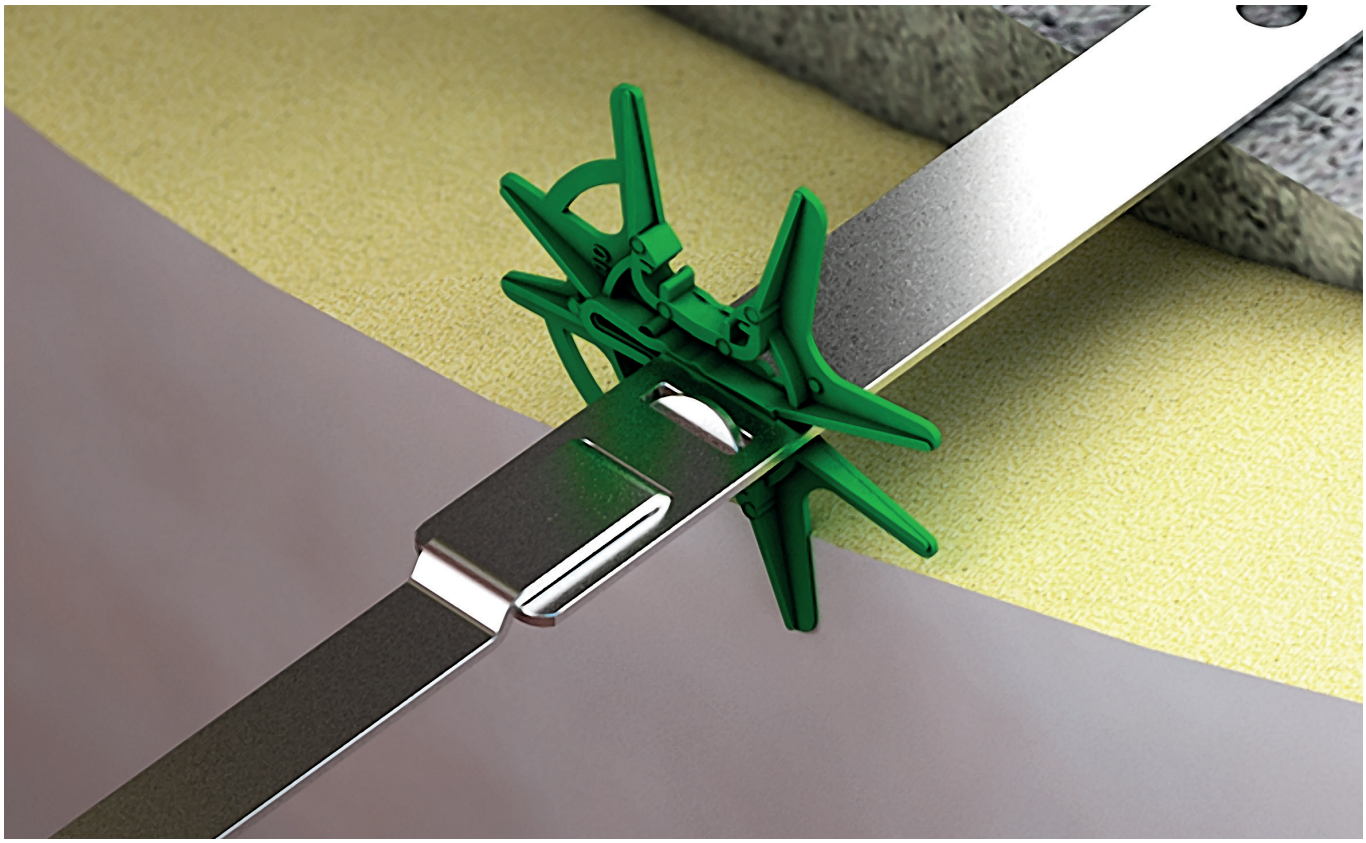
*Type 2 load equivalency may be achieved by increasing the tie density, please contact Vista technical for further information.

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Compatible with Eco Clip universal insulation clip. SEE PAGE 14



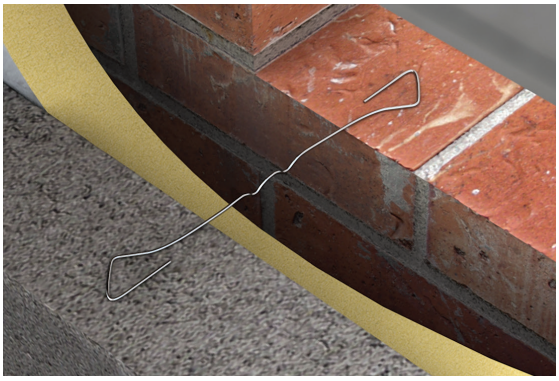
Type 4 - Light Duty Wall Ties

Designed for low-rise domestic dwellings up to 10 metres high, Type 4 ties are used where both masonry leaves are of similar thickness. They are only suitable for flat, sheltered sites with wind speeds up to 27 m/s and altitudes below 150m.

VE4 Light Duty Housing Tie

A light-duty wall tie used in domestic dwellings. Suitable for buildings with a maximum height of 10m and cavity widths from 50-175mm. Multidrip feature to prevent moisturetravelling 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



BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 17/5462

Code	Size	Cavity	Units
VE4-200-STST	200mm	50-75mm	250 Box
VE4-200-50BAG	200mm	50-75mm	50 Bag
VE4-225-STST	225mm	76-100mm	250 Box
VE4-225-50BAG	225mm	76-100mm	50 Bag
VE4-250-STST	250mm	101-125mm	250 Box
VE4-250-50BAG	250mm	101-125mm	50 Bag
VE4-275-STST*	275mm	126-150mm	250 Box
VE4-275-50BAG*	275mm	126-150mm	50 Bag
VE4-300-STST *†	300mm	151-175mm	250 Box

* Featuring offset drips which sit within the clear cavity.
† Performance tested and verified. Pending formal addition to the VE4 BBA Certificate.

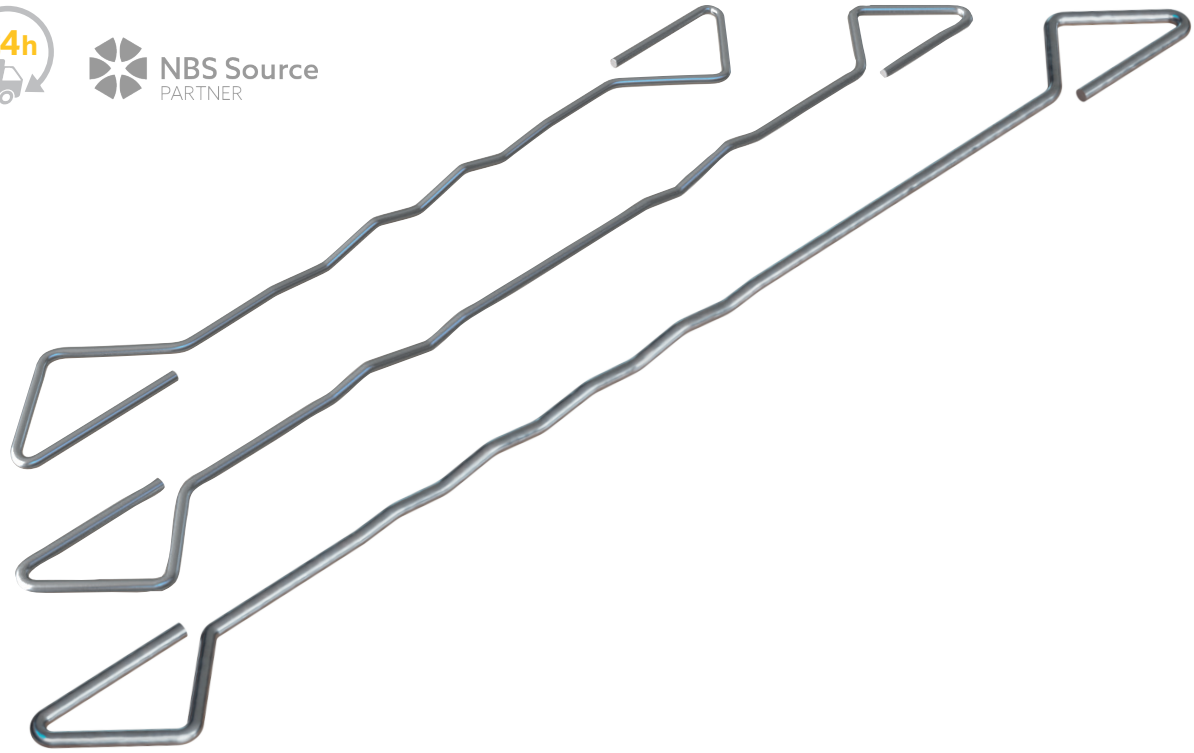
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Wall Tie Slab

Neat, easy handling - Each TiePac slab holds 50 VE4 wall ties, designed to fit comfortably in your hand.

Faster installation - Ties can be quickly removed and placed straight into the mortar bed.

Less waste on site - Reduces lost ties and those dropped into cavities.

Saves time - No need to separate ties from loose bundles.

Cleaner, safer sites - Fewer loose ties left behind, supporting better site housekeeping.

Cost efficient - Half-used packs can be stored and reused on the next job.

Convenient supply - Available in boxes of 5 slabs (250 ties) from your local merchant.



Packaging

We offer flexible packaging options designed to suit both site use and in-store merchandising.

Two pack formats available - Choose from boxes of 250 ties for bulk use, or bags of 50 for smaller quantities

Ideal for merchants and site teams - Smaller packs meet demand for lower quantities without needing to split boxes

Merchandising-friendly bags - Designed with euro hooks, making them easy to display and more visually engaging in-store

Efficient storage and handling - Robust boxes for easy stacking and transport

Clear size identification - Each product size features a consistent design with distinct colour coding, helping warehouse teams quickly identify and pick the right product

This approach gives customers and merchants the flexibility, clarity and convenience they need.



Type 1, 2 and 4 - Low Thermal Wall Ties

The Neutras range by Vista Engineering offers high-performance, thermally efficient cavity wall ties utilising basalt fibre composite to eliminate cold bridging and enhance structural integrity. These BBA-certified, corrosion-resistant ties provide a 60-year service life and can be excluded from U-value calculations, supporting sustainable construction across residential and commercial applications.

Neutras ties will adequately resist thermal transmittance through a cavity wall. 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



NEUTRAS 1 Low Thermal Conductivity Wall Tie

Code	Size	Cavity	Units
NEUTRAS-1-200	200mm	0-75mm	250 Pack
NEUTRAS-1-225	225mm	76-100mm	250 Pack
NEUTRAS-1-250	250mm	101-125mm	250 Pack
NEUTRAS-1-275*	275mm	126-150mm	250 Pack

NEUTRAS 2 Low Thermal Conductivity Wall Tie

Code	Size	Cavity	Units
NEUTRAS-2-200	200mm	0-75mm	250 Pack
NEUTRAS-2-225	225mm	76-100mm	250 Pack
NEUTRAS-2-250	250mm	101-125mm	250 Pack
NEUTRAS-2-275	275mm	126-150mm	250 Pack
NEUTRAS-2-300	300mm	151-175mm	250 Pack
NEUTRAS-2-325*	325mm	176-200mm	100 Pack
NEUTRAS-2-350	350mm	201-225mm	100 Pack
NEUTRAS-2-375	375mm	226-250mm	100 Pack
NEUTRAS-2-400	400mm	251-275mm	100 Pack
NEUTRAS-2-425*	425mm	276-300mm	100 Pack

NEUTRAS 4 Low Thermal Conductivity Wall Tie

Code	Size	Cavity	Units
NEUTRAS-4-200	200mm	0-75mm	250 Pack
NEUTRAS-4-225	225mm	76-100mm	250 Pack
NEUTRAS-4-250	250mm	101-125mm	250 Pack
NEUTRAS-4-275	275mm	126-150mm	250 Pack
NEUTRAS-4-300*	300mm	151-175mm	250 Pack

* BBA tested and approved at maximum length per diameter.
Shorter ties deliver equal or higher strength.

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 17/5462



Neutras Features

- High Specific tensile strength 4-6 times higher than stainless steel
- Excellent corrosion resistance (never rusts)
- Low thermal conductivity of 0.65W/mK, which is 15-20 times lower than stainless style
- High compressive strength compared to conventional FRP materials
- Non-magnetic and electrically non-conductive

NBS Source PARTNER



Compatible with Eco Clip universal insulation clip. SEE PAGE 14

HELI Thin Joint wall tie

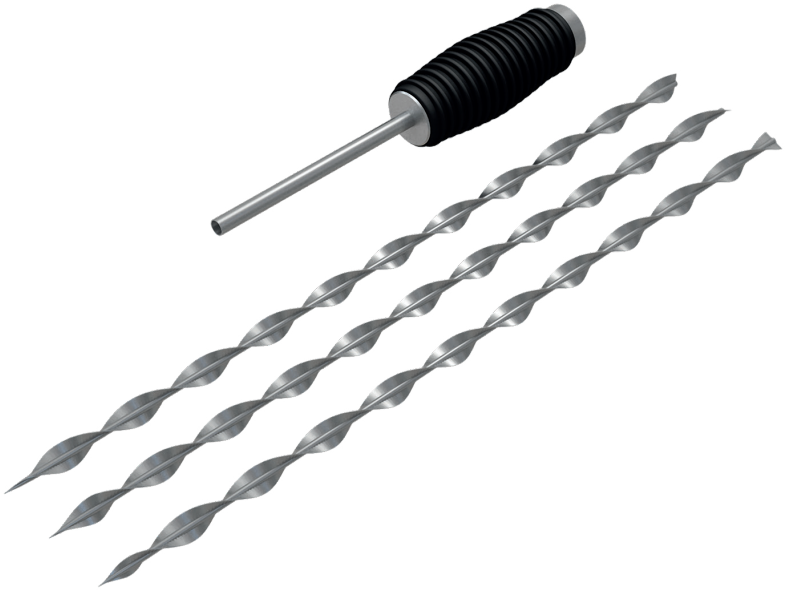
Hammer-driven cavity wall tie, ideal for aircrete blockwork and applications where the joints of inner and outer leaves of masonry do not course.



Code*	Size (Diameter x Length)	Units
HELI-6-ONE-XXX	6mm x 200, 220, 230, 240, 250mm	100
HELI-8-ONE-XXX	8mm x 195, 220, 245, 270, 300mm	100

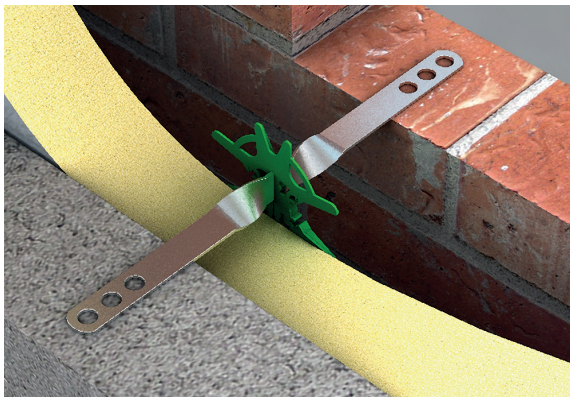
*Replace XXX with required length to get product code e.g. HELI-6-ONE-220

- High Specific tensile strength 4-6 times higher than stainless steel
- Excellent corrosion resistance (never rusts)
- Low thermal conductivity of 0.65W/mK, which is 15-20 times lower than stainless style
- High compressive strength compared to conventional FRP materials
- Non-magnetic and electrically non-conductive

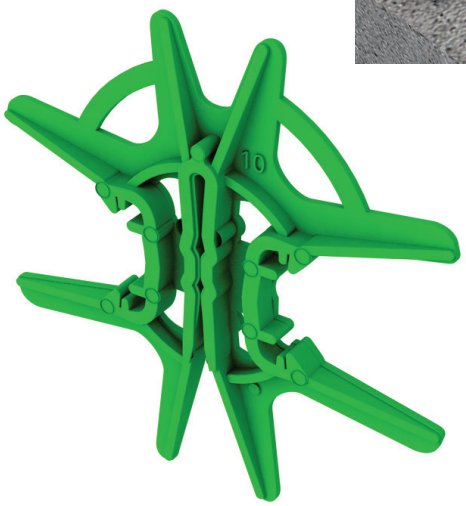


ECO-CLIP Universal Insulation Clip

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



Code	Size	Units
ECO-CLIP	80mm DIA	250 Bag
ECO-CLIPS-50BAG	80mm DIA	50 Bag



24h

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This product is specifically designed to secure an inner timber frame to an outer brick skin. The main property of these ties is that they can absorb substantial vertical movement between the brick and timber, whilst still performing their structural function.

Type 6 - Timber Framed Wall Ties

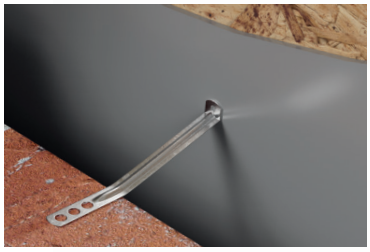
Type 6 timber frame wall ties are used for tying masonry outer leaves to timber frame structures in domestic dwellings and small commercial developments of up to three storeys, with a maximum building height of 15 metres. They are suitable for applications where limited vertical differential movement is expected. Ties are intended for use on flat sites within towns and cities where the basic wind speed does not exceed 25 m/s and the altitude is not more than 150 m above sea level, in accordance with the previously withdrawn standard BS 5268-6.1:1996 (Annex B).

V61 Timber Frame Tie

Stainless steel masonry-timber tie for 50-100mm cavities in up to 4 storey timber frame buildings. Accommodates vertical movement.
Tested as type B (sound)
Tested as type 6 (strength) to BS EN 845-1

Supplied complete with 50mm x 3.35mm stainless steel annular ring nails. Also available with 50mm x 4.0mm stainless steel screws for SIPS panels.

Code	Size	Cavity	Units
V61-125-STST	125mm	50mm	250 Box
V61-150-STST	150mm	75mm	250 Box
V61-175-STST	175mm	100mm	250 Box

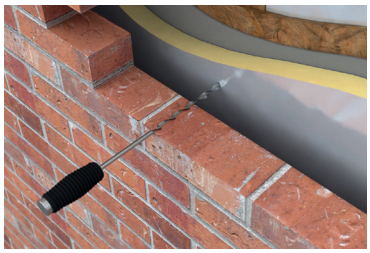


See page 46 for fixings.

HELICAL TIE Timber Frame Wall Tie

A 4.5mm newbuild stainless steel masonry-timber tie for domestic and small commercial buildings up to three storeys high. The first helical wall tie tested to EN 846 for timber frame construction.

Code	Size	Cavity	Units
HELI-4.5-ONE-170	170mm	Up to-50mm	100 Box
HELI-4.5-ONE-195	195mm	51-75mm	100 Box
HELI-4.5-ONE-220	220mm	76-100mm	100 Box
HELI-4.5-ONE-245	245mm	101-125mm	100 Box
HELI-4.5-ONE-270	270mm	126-150mm	100 Box
HELI-4.5-ONE-295	295mm	151-165mm	100 Box





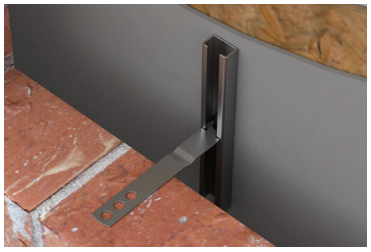
Type 7 - Timber Framed Wall Ties (Up to 7 Storeys)

Type 7 timber frame wall ties are used for tying masonry outer leaves to timber frame structures in domestic dwellings and small commercial developments of five to seven storeys, with a maximum building height of 18 metres. They are intended for applications where increased vertical differential movement is anticipated. Tie suitability, performance requirements and spacing must be calculated for each individual site location in accordance with the previously withdrawn standard BS 5268-6.1:1996 (Annex B) and relevant design criteria.

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 4mm stainless steel screws (250 per box).

Code	Size	Cavity	Units
V62-100-STST	100mm Projection	50mm	250 Box
V62-125-STST	125mm Projection	75mm	250 Box
V62-150-STST	150mm Projection	100mm	250 Box
V62-175-STST	175mm Projection	125mm	250 Box
V62-200-STST	200mm Projection	150mm	250 Box



See page 46 for fixings.



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WALL TIE DISTRIBUTION

For timber frame wall ties (Type 6 and Type 7), spacing is determined by structural stud locations and UK environmental exposure zones:

- Standard Spacing (Low Exposure): On flat sites under 150m altitude where basic wind speeds do not exceed 25 m/s, install to a minimum density of 4.4 ties/m^2. Fixed to studs at 600mm horizontal centres, this requires 375mm vertical centres.
- Severe Spacing (High Exposure): In coastal zones, exposed regions (e.g., North-West Scotland), or sites above 150m altitude where wind speeds exceed 25 m/s, increase density to 7 ties/m^2. This drops vertical spacing to 225mm centres.
- Openings & Open Edges: At all window/door reveals, movement joints, and gable verges, install additional ties at maximum 300mm vertical centres, positioned within 225mm of the edge.

For site-specific wind load evaluations or non-standard stud centres, contact our sales team.

Starter Systems and Ties

Starter systems and ties allow new walls to be joined to existing structures. They can be used to extend an existing structure or they can be used to help create an additional leaf where a cavity is required, for example in the restoration or conversion of an old building.

SS/UWS Universal Stainless Steel Wall Starter System

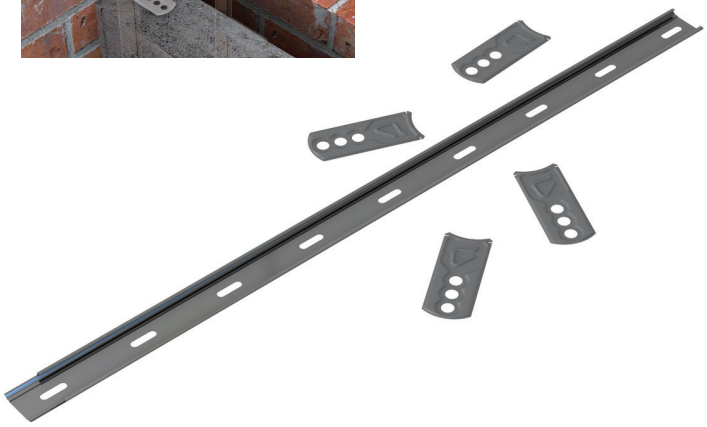


See page 44 for fixings.

The Vista Stainless Steel Wall Starter System joins new walls to existing masonry. Suitable for both internal and external brick or block walls, the connectors can be slotted together up to a maximum of 8 metres or 3 storeys high, from 60 to 250mm thick. The pack contains the fixings necessary for a single leaf wall up to 2.4m / 8'.

2 no. Wall connectors 1.2m long, stainless steel
5 no. Plugs, coach screws and washers
10 no. Wall connector ties, stainless steel

Packed in boxes of 10.



Code	Size	Units
V63-2.4-STST	2.4m length (made up of 2 x 1.2m lengths)	10 Box

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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.

Larger sizes available as specials.



Code	Size	Units
SST-130-STST	130mm	100 Box
SST-130-10PK	130mm	10 Pack

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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.





Code	Size	Cavity	Units
SST-180-STST	180mm	30-50mm	100 Box
SST-200-STST	200mm	51-75mm	100 Box
SST-225-STST	225mm	76-100mm	100 Box
SST-250-STST	250mm	101-125mm	100 Box
SST-275-STST	275mm	126-150mm	100 Box

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Remedial Ties

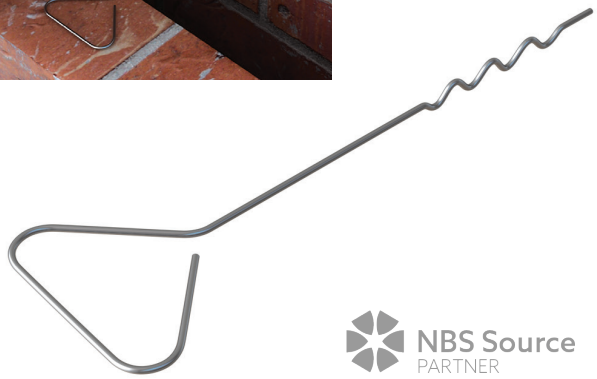
A product range used in existing cavity walls where wall ties have been omitted or have corroded.

V30 Wavy Tail Tie

These products allow the introduction of a cavity tie into a situation where no ties are present. These stainless steel 'wavy' tail ties are used for remedial applications and are available in lengths of 150 - 300mm. To install drill a 12mm hole, inject resin then insert the tie.

Code	Size	Cavity	Units
V30-150-STST	150mm	0-25mm	250 Box
V30-175-STST	175mm	26-50mm	250 Box
V30-200-STST	200mm	51-75mm	250 Box
V30-225-STST	225mm	76-100mm	250 Box
V30-250-STST	250mm	101-125mm	250 Box
V30-275-STST	275mm	126-150mm	200 Box
V30-300-STST	300mm	151-175mm	200 Box





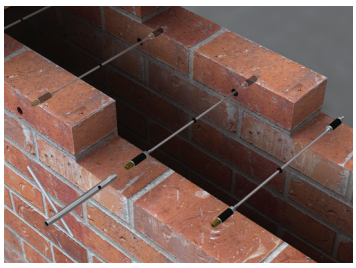
NBS Source PARTNER

REM Mechanical Remedial Tie

Remedial ties are used where existing cavity walls 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.

Code	Size	Cavity	Units
REM-150	150mm x 11mm (Hole Size)	0-25mm	200 Box
REM-200	200mm x 11mm (Hole Size)	51-75mm	200 Box
REM-225	225mm x 11mm (Hole Size)	76-100mm	200 Box
REM-250	250mm x 11mm (Hole Size)	101-125mm	200 Box
REM-300	300mm x 11mm (Hole Size)	151-175mm	200 Box

Also available with brass expansion sleeve.



Fixing will require a setting tool and SDS drill bits 11mm x 310mm for neoprene ties and 10mm x 310mm for brass ties.

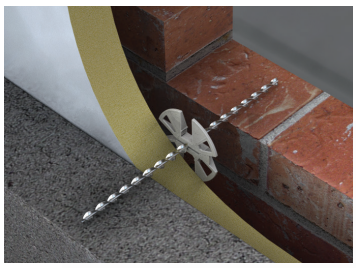


Setting Tool

HELI Helical Tie

A range of 4.5mm, 6mm and 8mm helical ties for remedial work and in situations where there may be irregular coursing of brickwork to blockwork.

Code*	Size	Units
HELI-8-XXXX	8mm x 150-1000mm long	100
HELI-4.5-One-XXX	4.5mm x 195, 220, 245mm long	100
HELI-6-One-XXX	6mm x 200, 220, 250, 270mm long	100
HELI-8-Two-XXX	8mm x 170, 195, 220, 245, 270mm long	100





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Tel: 01663 736700

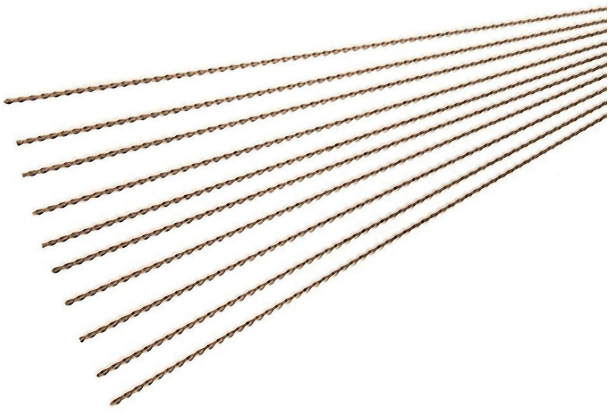
HELI Helical Bar

Code	Size	Units
HELI-4.5-1000	4.5mm x 1000mm long	Each
HELI-4.5-1500	4.5mm x 1500mm long	Each
HELI-4.5-3000	4.5mm x 3000mm long	Each
HELI-6-1000	6mm x 1000mm long	Each
HELI-6-1500	6mm x 1500mm long	Each
HELI-6-3000	6mm x 3000mm long	Each
HELI-8-1000	8mm x 1000mm long	Each
HELI-8-1500	8mm x 1500mm long	Each
HELI-8-3000	8mm x 3000mm long	Each
HELI-10-1000	10mm x 1000mm long	Each
HELI-10-1500	10mm x 1500mm long	Each
HELI-10-3000	10mm x 3000mm long	Each

A range of helical bars offering solutions for crack stitching and other remedial work.

Helical Bar sizes 4.5mm, 6mm, 8mm and 10mm.

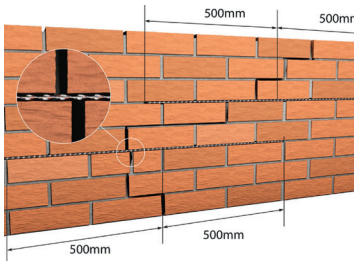
Supplied in individual lengths of 0.5m, 1m, 1.5m and 3m.



CS-KIT Crack Stitching Kit

A two component system consisting of stainless steel 6mm bar and grout. A fully certified helical crack-stitching system.

Code	Kit Contents	Units
CS-KIT	Heli bar 6mm x 1000mm	10
	3 Ltr Tub Sure Grout	1
	Crack Stitching Gun	1
	9.5mm Nozzle	1
	Mixing Paddle	1
	Finger Trowel	1





Accessories

Vista Engineering's wall tie accessories feature high-performance grout, certified crack-stitching kits, and precision tools designed for professional installation and structural integrity. This collection focuses on industrial-grade components for efficient, reliable results on site.

SG60-GROUT Grout

SureGrout SG60 (HELI-GROUT) is used for bonding metal components into masonry substrates, masonry bonding, bedding bearing plates, grouting and packing. Available in 3L or 6L tubs.



POWER Support Tool

The new power support tool is designed to be used in both SDS and SDS Plus hammer drills.



HELI GUN Grout Gun

The grout gun and nozzle are designed to make the application of grout simple.



HAND Support Tool

The hand support tool allows the helical tie to be correctly installed manually without damaging the tie.



Tel: 01663 736700

Frame Cramps, Lateral Restraint and Movement Ties

Frame cramps and lateral restraint ties are designed to restrain masonry walls by tying them back to adjacent structures such as steelwork or existing walls, preventing lateral movement and enhancing stability. Many of these ties can also function as movement ties - by simply adding a debonding sleeve over the portion embedded in the masonry, the tie allows for horizontal movement while still providing vertical restraint, making them ideal for use at movement joints or where differential movement is expected. All products are manufactured from grade 304 stainless steel for durability and corrosion resistance.

VE7D Frame Cramp With Drip

Engineered for 'supercavity' insulation, the VE7D Frame Cramp with Drip range delivers high-capacity lateral restraint at extended lengths up to 450mm. Made from Grade 304 stainless steel, each tie includes a built-in drip for moisture management and is fully tested to BS EN 845-1. The range comes in three options: standard VE7D (Type 2), VE7D(T2) (Type 2), and heavy-duty VE7D(T1) (Type 1).

Code	Size (Projection)	Cavity	Units
VE7D-125-STST	125mm Projection	45-70mm	250 Box
VE7D-150-STST	150mm Projection	71-95mm	250 Box
VE7D-175-STST	175mm Projection	96-120mm	250 Box
VE7D-200-STST	200mm Projection	121-145mm	250 Box
VE7D-225-STST	225mm Projection	146 -170mm	200 Box
VE7D-250-STST	250mm Projection	171-195mm	200 Box
VE7D-275-STST	275mm Projection	196-220mm	200 Box
VE7D-300-STST	300mm Projection	221-245mm	200 Box
VE7D(T2) - 325-STST	325mm Projection	246-270mm	Each
VE7D(T2) - 350-STST	350mm Projection	271-295mm	Each
VE7D(T2) - 375-STST	375mm Projection	296-320mm	Each
VE7D(T2) - 400-STST	400mm Projection	321-345mm	Each
VE7D(T2) - 425-STST	425mm Projection	346-370mm	Each
VE7D(T2) - 450-STST	450mm Projection	371-395mm	Each
VE7D(T1) - 325-STST	325mm Projection	246-270mm	Each
VE7D(T1) - 350-STST	350mm Projection	271-295mm	Each
VE7D(T1) - 375-STST	375mm Projection	296-320mm	Each
VE7D(T1) - 400-STST	400mm Projection	321-345mm	Each
VE7D(T1) - 425-STST	425mm Projection	346-370mm	Each
VE7D(T1) - 450-STST	450mm Projection	371-395mm	Each



See pages 44-45 for fixings.

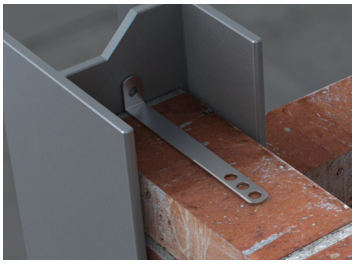


NBS Source PARTNER

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VE7 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). See fixing section for details on fixing methods.



See pages 44-45 for fixings.



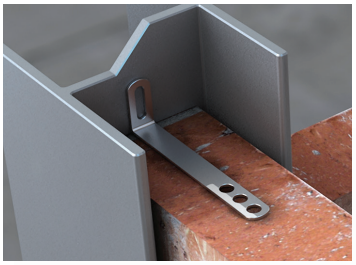
Code	Size	Units
VE7-075-STST	75mm	250 Box
VE7-100-STST	100mm	250 Box
VE7-125-STST	125mm	250 Box
VE7-150-STST	150mm	250 Box
VE7-175-STST	175mm	250 Box
VE7-200-STST	200mm	250 Box
VE7-225-STST	225mm	200 Box
VE7-250-STST	250mm	200 Box
VE7-275-STST	275mm	200 Box
VE7-300-STST	300mm	200 Box
VE7-100-G.MS*	100mm	250 Box
VE7-150-G.MS*	150mm	250 Box
VE7-200-G.MS*	200mm	250 Box
VE7-250-G.MS*	250mm	200 Box

* Also available as G.MS (Galvanised), please contact us for performance characteristics.

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VS7 Slotted Frame Cramp

Slotted 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). See fixing section for details on fixing methods.



See pages 44-45 for fixings.



Code	Size	Units
VS7-075-STST	75mm	250 Box
VS7-100-STST	100mm	250 Box
VS7-125-STST	125mm	250 Box
VS7-150-STST	150mm	250 Box
VS7-175-STST	175mm	250 Box
VS7-200-STST	200mm	250 Box
VS7-225-STST	225mm	200 Box
VS7-250-STST	250mm	200 Box
VS7-275-STST	275mm	200 Box
VS7-300-STST	300mm	200 Box

NBS Source PARTNER UK CA

VS7D Slotted Frame Cramp With Drip

Slotted 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). See fixing section for details on fixing methods.

Code	Size	Cavity	Units
VS7D-125-STST	125mm	46-70mm	250 Box
VS7D-150-STST	150mm	71-95mm	250 Box
VS7D-175-STST	175mm	96-120mm	250 Box
VS7D-200-STST	200mm	121-145mm	250 Box
VS7D-225-STST	225mm	146-170mm	200 Box
VS7D-250-STST	250mm	171-195mm	200 Box
VS7D-275-STST	275mm	196-220mm	200 Box
VS7D-300-STST	300mm	221-245mm	200 Box



See pages 44-45 for fixings.



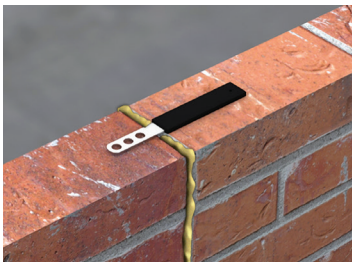
NBS Source PARTNER

UK CA

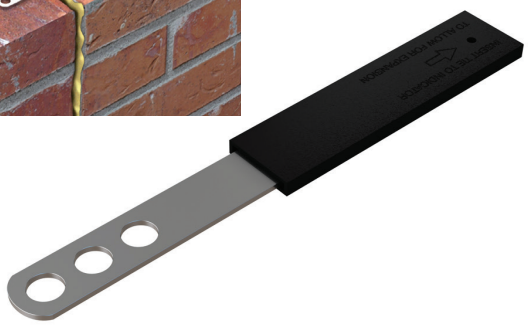
SPE/B20 Safety Plain End Tie/Blank

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

Code	Size	Units
SPE-150-STST	150mm	250 Box
SPE-175-STST	175mm	250 Box
SPE-200-STST	200mm	250 Box
SPE-225-STST	225mm	250 Box
SPE-250-STST	250mm	250 Box
SPE-275-STST	275mm	200 Box
SPE-300-STST	300mm	200 Box



BIM



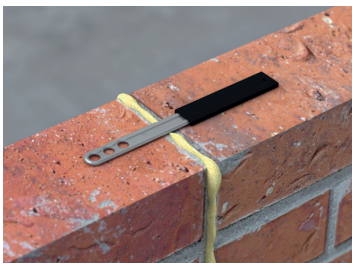
NBS Source PARTNER

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SPF Safety Plain Formed Tie

The SPF is a lighter, stronger evolution of our SPE. Used over a movement joint in a run of brickwork or blockwork with safety embedment detail. (Sleeve supplied as extra).

Code	Size	Units
SPF - 200 - STST	200mm	250 Box





24h

BIM

NBS Source PARTNER

UK CA

V63 Clasp Tie

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

Code	Size	Units
V63-150-STST	150mm	250 Box
V63-175-STST	175mm	250 Box
V63-200-STST	200mm	250 Box
V63-225-STST	225mm	250 Box
V63-250-STST	250mm	250 Box
V63-275-STST	275mm	200 Box
V63-300-STST	300mm	200 Box

NBS Source PARTNER



See pages 44-45 for fixings.

UK CA

V96 Wire Frame Cramp

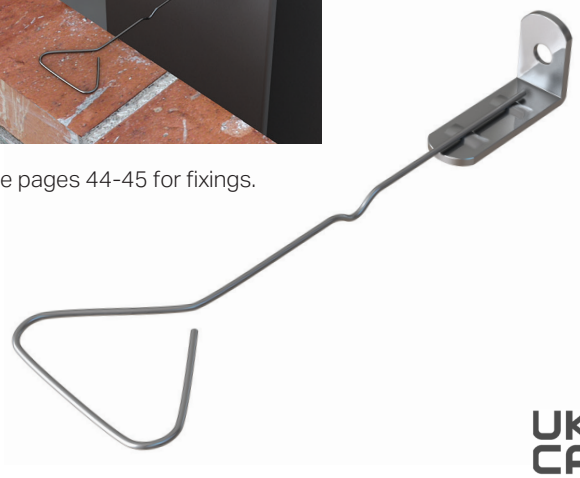
Welded wire frame cramp for all applications, as the VE7, with added flexibility provided by a wire projection.

Code	Size	Cavity	Units
V96-100-STST	100mm (No Drip)	20-45mm	200 Box
V96-125-STST	125mm	46-70mm	100 Box
V96-150-STST	150mm	71-95mm	100 Box
V96-175-STST	175mm	96-120mm	100 Box
V96-200-STST	200mm	121-145mm	100 Box
V96-225-STST	225mm	146-170mm	100 Box
V96-250-STST	250mm	171-195mm	100 Box

NBS Source PARTNER



See pages 44-45 for fixings.



UK CA

V97 Wire Clasp Tie

Wire clasp tie, fixed to the side of stanchion but also allowing extra movement with the flex of the wire section.

Code	Size	Cavity	Units
V97-150-STST	150mm	71-95mm	100 Box
V97-175-STST	175mm	96-120mm	100 Box
V97-200-STST	200mm	121-145mm	100 Box
V97-225-STST	225mm	146-170mm	100 Box
V97-250-STST	250mm	171-195mm	100 Box
V97-275-STST	275mm	196-220mm	100 Box
V97-300-STST	300mm	221-245mm	100 Box

NBS Source PARTNER



See pages 44-45 for fixings.

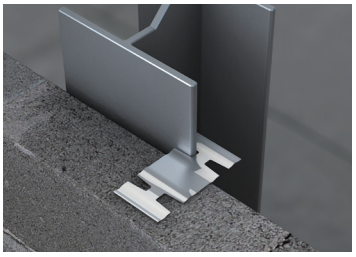
UK CA

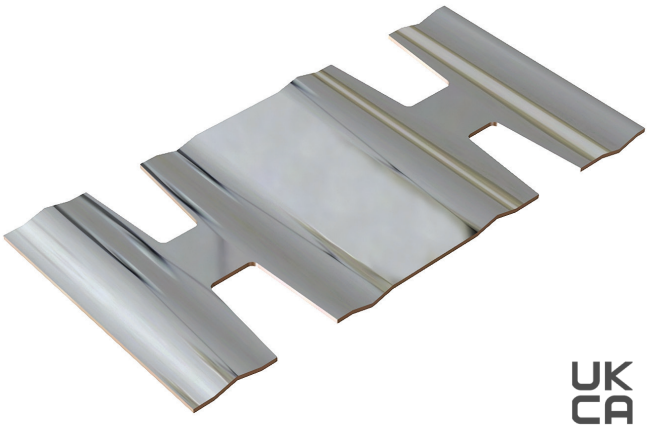
Tel: 01663 736700

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.

Code	Size	Units
VCT-145-STST	145mm	100 Box





NBS Source PARTNER

UK CA

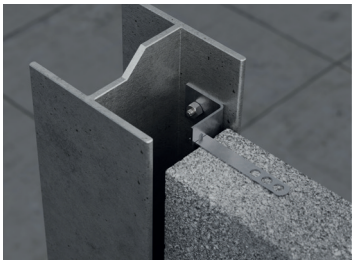
VA7 / VA7PE Frame Cramp

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).

Angle Size

60mm x 55mm x 40mm wide.

Code	Size	Units
VA7-100-STST	100mm	100 Box
VA7-125-STST	125mm	100 Box
VA7-150-STST	150mm	100 Box
VA7-175-STST	175mm	100 Box
VA7-200-STST	200mm	100 Box
VA7PE-100-STST	100mm	100 Box
VA7PE-125-STST	125mm	100 Box
VA7PE-150-STST	150mm	100 Box
VA7PE-175-STST	175mm	100 Box
VA7PE-200-STST	200mm	100 Box



See pages 44-45 for fixings.

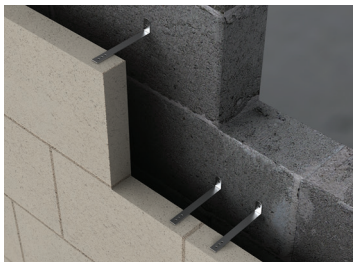


NBS Source PARTNER

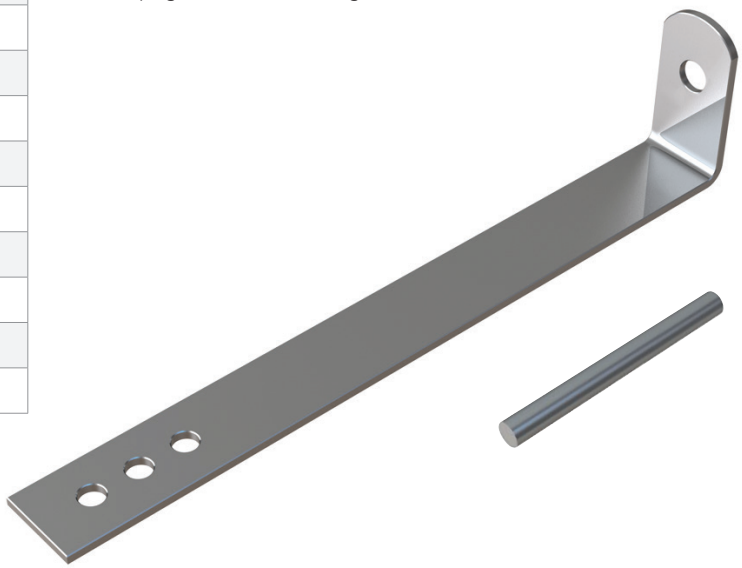
V7H Frame Cramp Dowel Hole

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

Code	Size	Units
V7H-050-STST	50mm	250 Box
V7H-075-STST	75mm	250 Box
V7H-100-STST	100mm	250 Box
V7H-125-STST	125mm	250 Box
V7H-150-STST	150mm	250 Box
V7H-175-STST	175mm	250 Box
V7H-200-STST	200mm	250 Box
V7H-225-STST	225mm	200 Box
V7H-250-STST	250mm	200 Box
V7H-275-STST	275mm	200 Box
V7H-300-STST	300mm	200 Box



See pages 44-45 for fixings.



Dowel Bars

Stainless steel dowel bars. Available in 6mm diameter and can be cut into lengths from 30mm to 300mm.

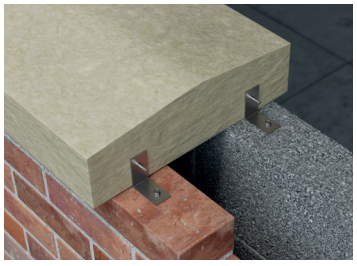
NBS Source PARTNER

UK CA

S7 Stainless Steel Coping Cramp

Our Stainless Steel Coping Cramps provide a permanent mechanical lock for masonry. They prevent stone separation and "rust bursting," ensuring long-term structural alignment and superior weather protection.

Code	Size	Units
S7-Cramp	50x50x28mm	250 Box





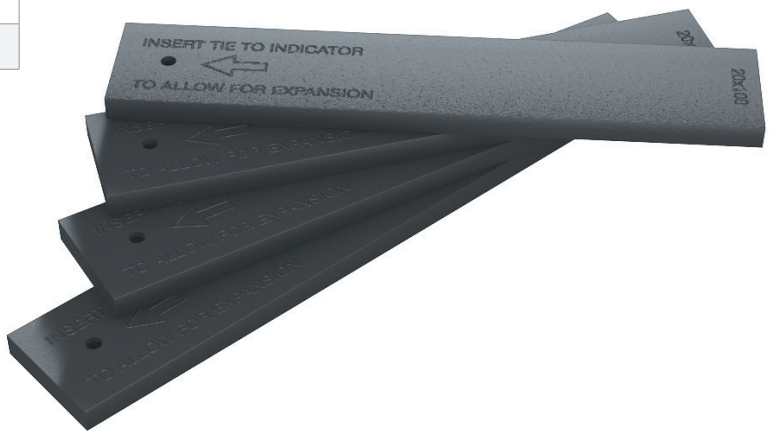
V31 / V32 / V36 Debonding Sleeve

Debonding sleeve to allow for movement of the ties listed above (a 25mm wide sleeve is required for channel ties). Debonding sleeves should have a 10mm gap left at end to allow for movement once installed.

Available for specification on the NBS Source platform.



Code	Size	Units
V36-120-PDBS	20mm x 120mm	250 Bag
V36-150-PDBS	20mm x 150mm	250 Bag
V31-100-PDBS	25mm x 100mm	250 Bag
V31-120-PDBS	25mm x 120mm	250 Bag
V31-150-PDBS	25mm x 150mm	250 Bag
V32-100-PDBS	30mm x 100mm	250 Bag



24h

NBS Source PARTNER

FT Frame Tie

Used for fixing timber door and window frames to brickwork by building into mortar courses as construction progresses.



Code	Size	Units
FT/145/25	145 mm	25 Bag



NBS Source PARTNER

Channel Systems and Components

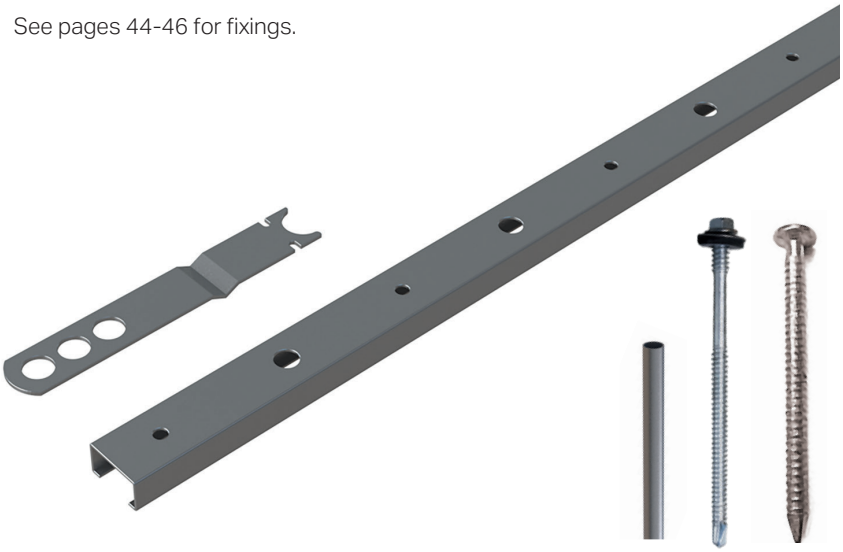
These products allow vertical movement whilst offering horizontal restraint.The channel systems tend to be face-fixed whilst the dovetail slot is usually cast into concrete.These systems may be used to overcome differences in coursing between masonry leaves. Manufactured from grade 304 stainless steel.

RCS 25/14 Restraint Channel System

The Vista RCS system effectively ties an outer masonry leaf to a steel frame, timber frame, or concrete inner face whilst restraining insulation. It allows vertical movement at the same time as offering horizontal restraint. The system comprises steel channels, wall ties, fixings and compression sleeves (for use when fixing to concrete).



See pages 44-46 for fixings.



See pages 44-45 for fixing to various substrates.

VS9 Steel Channel Tie

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

Code	Size	Cavity Size	Units
VS9-075-STST	75mm (No Drip) Projection	15-35mm	250 Box
VS9-100-STST	100mm Projection	36-80mm	250 Box
VS9-125-STST	125mm Projection	61-85mm	250 Box
VS9-150-STST	150mm Projection	86-110mm	250 Box
VS9-175-STST	175 mm Projection	111-135mm	250 Box
VS9-200-STST	200 mm Projection	136-160mm	250 Box
VS9-225-STST	225mm Projection	161-185mm	200 Box
VS9-250-STST	250 mm Projection	186-210mm	200 Box
VS9-275-STST	275 mm Projection	211-235mm	200 Box
VS9-300-STST	300mm Projection	236-260mm	200 Box





Projection length from safety end to channel slot.

NBS Source PARTNER

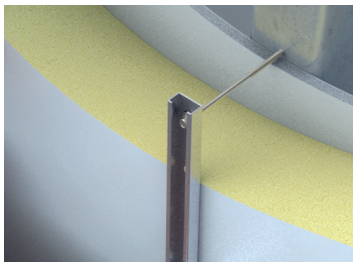
UK CA

Tel: 01663 736700

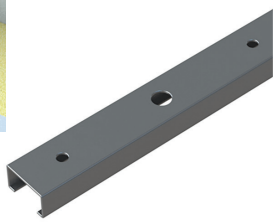
SFC 25/14 Steel Frame Channel

The steel frame channel system is designed to tie brickwork to steel frame. Self-drill / self-tap screws fix through the channel and insulation into the steel frame. To be used in conjunction with a Vista VS9 tie.

Code	Size	Units
SFC-2700-STST	2700 mm	20 Bundle



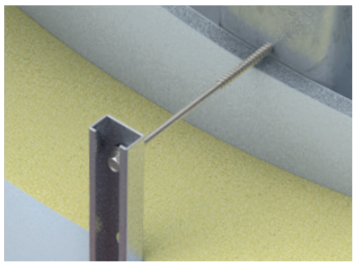
See page 45 for fixings.

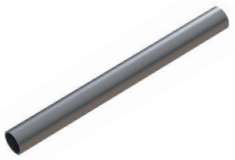


CS Compression Sleeve For Concrete

We offer compression sleeves to suit various insulation thicknesses. They prevent the insulation from being compressed whilst the fasteners are being tightened. This means that no damage or distortion is caused to the insulation during fitting or in normal service loadings.

Code	Size
CS-XXX*	50-200 mm





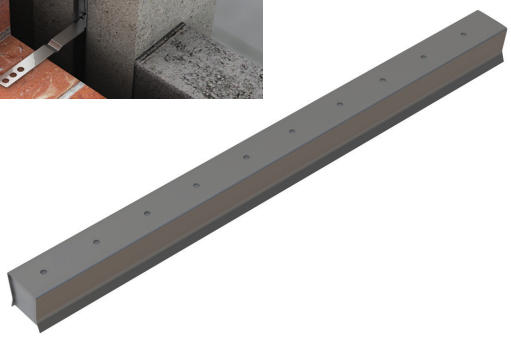
* Replace the XXX with the required length in mm (available in 10mm increments), for example, a 150mm length would have the code CS-150.. Select a compression sleeve length to match the depth of insulation.

V29 Dovetail Slot

Cast in dovetail slot, available in stainless steel or pre-galvanised steel, pre filled with polystyrene (to prevent concrete ingress). Used in conjunction with ties to restrain brickwork. Vista recommends the V29 to be used in conjunction with Vista VS8 / VS8D tie.

Code	Size	Units
V29-100-STST	100 mm	250 Box
V29-150-STST	150 mm	250 Box
V29-3-MET-SS	3000 mm	25 Bundle



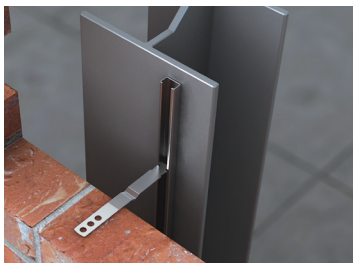


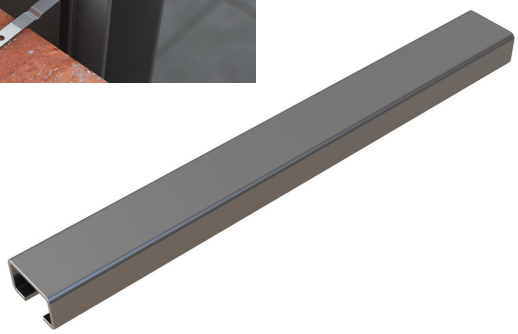
NBS Source PARTNER

V60 28/15 Plain Back Channel

28/15 plain back channel for surface fixing (welding). Used in conjunction with ties to restrain brickwork. Vista recommends the V60 to be used in conjunction with Vista VS8 / VS8D tie.

Code	Size	Units
V60-100-STST	100 mm	100 Box
V60-150-STST	150 mm	100 Box
V60-3-MET-SS	3000 mm	10 Bundle





NBS Source PARTNER

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 (see fixing section). Vista recommends the V60S to be used in conjunction with Vista VS8 / VS8D tie.





Code	Size	Units
V60S-100-STST	100mm	100 Box
V60S-150-STST	150mm	100 Box
V60S-3-MET-SS	3000mm	10 Bundle

NBS Source PARTNER

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. Vista recommends the V60T to be used in conjunction with Vista VS8 / VS8D tie.





Code	Size	Units
V60T-100-STST	100mm	25 Box
V60T-150-STST	150mm	25 Box
V60T-3-MET-SS	3000mm	10 Bundle

NBS Source PARTNER

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.





Code	Sizes	Cavity	Units
VS8D-125-STST	125mm Projection	50mm	250 Box
VS8D-150-STST	150mm Projection	75mm	250 Box
VS8D-175-STST	175mm Projection	100mm	250 Box
VS8D-200-STST	200mm Projection	125mm	250 Box
VS8D-225-STST	225mm Projection	150mm	200 Box
VS8D-250-STST	250mm Projection	175mm	200 Box

*Projection length from safety end to shoulder.
Dovetail head length 29mm.

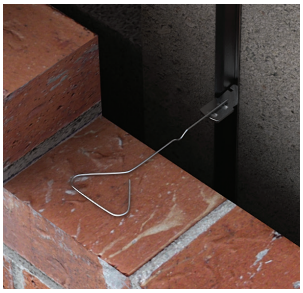
UK CA

V98 Dovetail Wire Tie

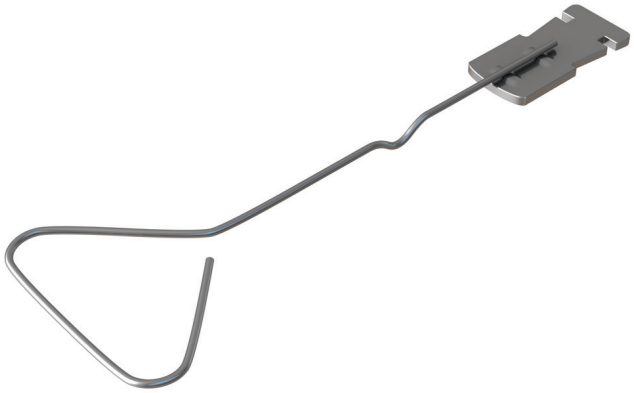
Universal head enables this tie to be used with all Vista channel systems (except SFC) to restrain brickwork. The wire section allows for extra movement.

Code	Size	Cavity	Units
V98-100-STST	100mm Projection	25mm	100 Box
V98-125-STST	125mm Projection	50mm	100 Box
V98-150-STST	150mm Projection	75mm	100 Box
V98-175-STST	175mm Projection	100mm	100 Box
V98-200-STST	200mm Projection	125mm	100 Box
V98-225-STST	225mm Projection	150mm	100 Box
V98-250-STST	250mm Projection	175mm	100 Box

Projection length from safety end to shoulder.
Dovetail head length 29mm.







NBS Source PARTNER

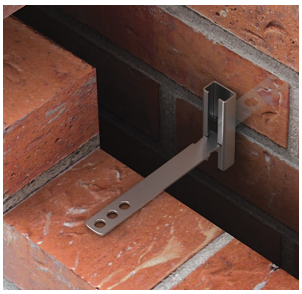
VS8 Dovetail Safety Tie

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

Code	Sizes	Units
VS8-075-STST	75mm Projection	250 Box
VS8-100-STST	100mm Projection	250 Box
VS8-125-STST	125mm Projection	250 Box
VS8-150-STST	150mm Projection	250 Box
VS8-175-STST	175mm Projection	250 Box
VS8-200-STST	200mm Projection	250 Box
VS8-225-STST	225mm Projection	200 Box
VS8-250-STST	250mm Projection	200 Box
VS8-275-STST	275mm Projection	200 Box
VS8-300-STST	300mm Projection	200 Box

Projection length from safety end to shoulder.
Dovetail head length 29mm.







NBS Source PARTNER

UK CA

Head Restraints

These types of products are generally used to restrain the tops of free standing walls by tying them securely to an overhead structure, thus preventing sideways movement. Manufactured from grade 304 stainless steel.

VIR / VIRH Internal Head Restraint

The VIR / VIRH head restraint is designed to resist lateral movement in wall heads, restraining them to structural soffits whilst allowing vertical movement (for instance, to accommodate beam deflection). Fix with a 6mm or 8mm set skrew or a through bolt.

Code	Size	Units
VIR-215-STST	215mm	50 Box
VIRH-215-STST	215mm	50 Box

Also available holed (VIRH) for tek screws or bolts, or with head for channels.



See pages 44-45 for fixings.

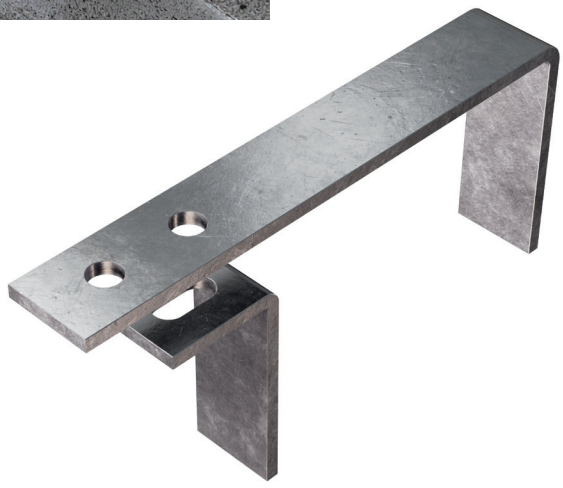


VHR Head Restraint

The VHR is a very simple, economical head restraint product. Twice holed to accommodate 100 or 140mm walls. Vertical movement can be accommodated only 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.

Code	Size	Units
VHR	For 100-140mm blockwork	50 Box
VHR-215	For 215mm blockwork	50 Box





Sliding Anchor systems

A range of heavy-duty (welded) and light-duty (bent and/or twisted) stems. Available in standard stem lengths, head sizes and hole configurations with other options available on request. This range of products secure cavity walls to overhead structures, whilst accommodating vertical movement. Used in conjunction with one or two way sliding ties (ordered separately). Manufactured from grade 304 stainless steel.

WAS Welded A Stem

Soffit fixed both sides where fixings can be made directly above. Heavy-duty.

Code	Size	Units
WAS-300-STST	300mm	Each
WAS-350-STST	350mm	Each
WAS-400-STST	400mm	Each
WAS-450-STST	450mm	Each
WAS-500-STST	500mm	Each
WAS-550-STST	550mm	Each
WAS-600-STST	600mm	Each

NBS Source PARTNER



See pages 44-45 for fixings.



WTS Welded T Stem

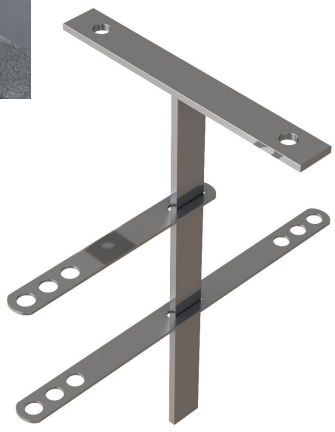
Soffit fixed both sides where fixings can be made directly above. Heavy-duty.

Code	Size	Units
WTS-300-STST	300mm	Each
WTS-350-STST	350mm	Each
WTS-400-STST	400mm	Each
WTS-450-STST	450mm	Each
WTS-500-STST	500mm	Each
WTS-550-STST	550mm	Each
WTS-600-STST	600mm	Each

NBS Source PARTNER



See pages 44-45 for fixings.



WBS Welded B Stem

Offset head where there is no fixing directly above. Heavy-duty.

Code	Size	Units
WBS-300-STST	300mm	Each
WBS-350-STST	350mm	Each
WBS-400-STST	400mm	Each
WBS-450-STST	450mm	Each
WBS-500-STST	500mm	Each
WBS-550-STST	550mm	Each
WBS-600-STST	600mm	Each

NBS Source PARTNER



See pages 44-45 for fixings.

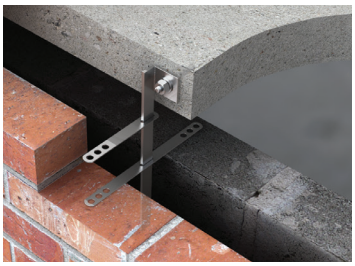


WES Welded E Stem

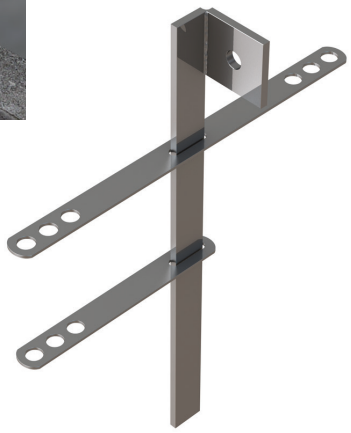
Fixed to the side of structure and offset to drop down centre of cavity. Heavy-duty.

Code	Size	Units
WES-300-STST	300mm	Each
WES-350-STST	350mm	Each
WES-400-STST	400mm	Each
WES-450-STST	450mm	Each
WES-500-STST	500mm	Each
WES-550-STST	550mm	Each
WES-600-STST	600mm	Each

NBS Source PARTNER



See pages 44-45 for fixings.



BCS Bent C Stem

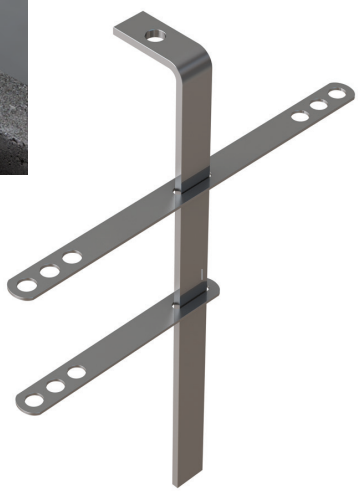
Used as a soffit fixed head restraint. Light-duty, fixedin line with cavity below.

Code	Size	Units
BCS-300-STST	300mm	Each
BCS-350-STST	350mm	Each
BCS-400-STST	400mm	Each
BCS-450-STST	450mm	Each
BCS-500-STST	500mm	Each
BCS-550-STST	550mm	Each
BCS-600-STST	600mm	Each

NBS Source PARTNER



See pages 44-45 for fixings.

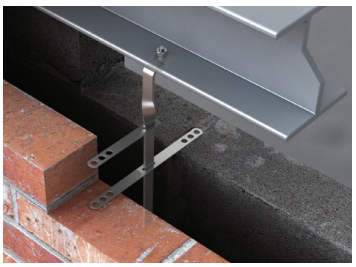


Tel: 01663 736700

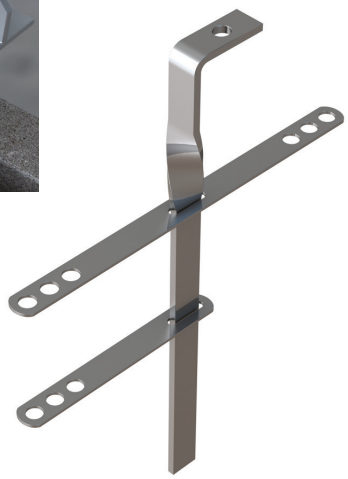
TDS Twisted D Stem

Used as a soffit fixed head restraint. Light-duty, twisted head allows for fixing a right angle to cavity.

Code	Size	Units
TDS-300-STST	300mm	Each
TDS-350-STST	350mm	Each
TDS-400-STST	400mm	Each
TDS-450-STST	450mm	Each
TDS-500-STST	500mm	Each
TDS-550-STST	550mm	Each
TDS-600-STST	600mm	Each



See pages 44-45 for fixings.



NBS Source PARTNER

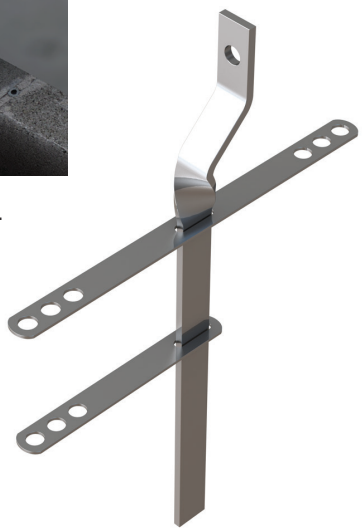
TFS Twisted F Stem

Used as a side fixed head restraint. Light-duty, and stepped to bring into centre of cavity.

Code	Size	Units
TFS-300-STST	300mm	Each
TFS-350-STST	350mm	Each
TFS-400-STST	400mm	Each
TFS-450-STST	450mm	Each
TFS-500-STST	500mm	Each
TFS-550-STST	550mm	Each
TFS-600-STST	600mm	Each



See pages 44-45 for fixings.



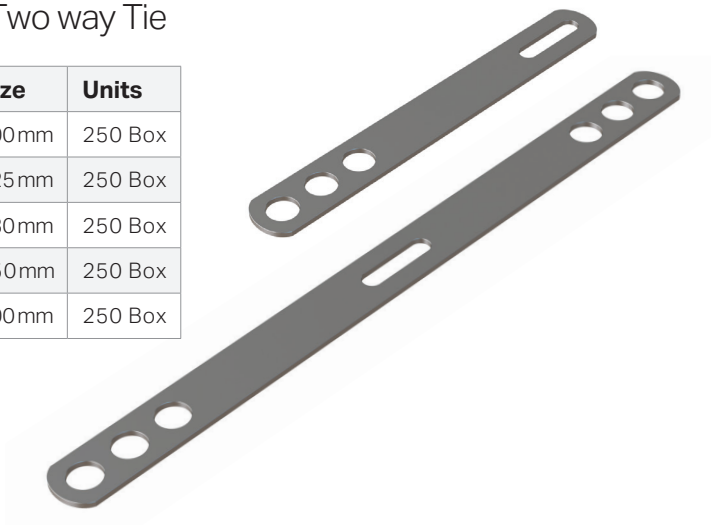
NBS Source PARTNER

SOW Sliding One way Tie

Code	Size	Units
SOW-100-STST	100mm	250 Box
SOW-125-STST	125mm	250 Box
SOW-135-STST	135mm	250 Box
SOW-150-STST	150mm	250 Box
SOW-175-STST	175mm	250 Box
SOW-200-STST	200mm	250 Box

STW Sliding Two way Tie

Code	Size	Units
STW-200-STST	200mm	250 Box
STW-225-STST	225mm	250 Box
STW-230-STST	230mm	250 Box
STW-250-STST	250mm	250 Box
STW-300-STST	300mm	250 Box



Bed Joint Reinforcement

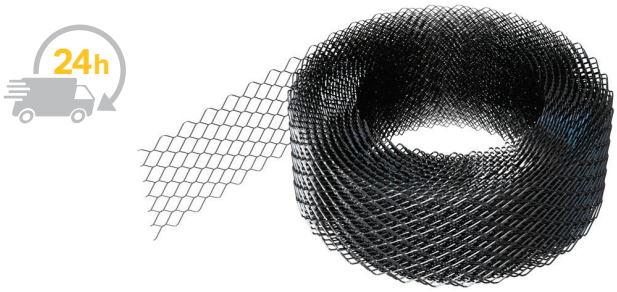
This type of product increases the rigidity of masonry panels by introducing steel into the bed joint of the wall, either to merely resist cracking or in a more structural sense.

V44 Coil Mesh

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

Code	Size	Units
V44-065-G.MS	65mm Galvanised	20m Coil
V44-115-G.MS	115mm Galvanised	20m Coil
V44-175-G.MS	175mm Galvanised	20m Coil
V44-225-G.MS	225mm Galvanised	20m Coil
V44-305-G.MS	305mm Galvanised	20m Coil
V44-065-STST	65mm Stainless	20m Coil
V44-115-STST	115mm Stainless	20m Coil
V44-175-STST	175mm Stainless	20m Coil
V44-225-STST	225mm Stainless	20m Coil





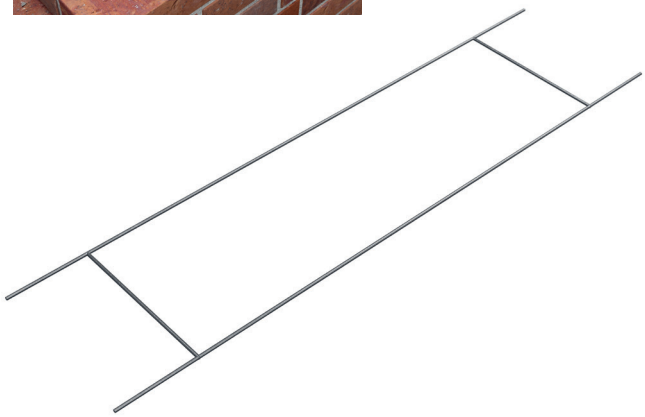
NBS Source PARTNER

VW3 Vista Weld 3 Ladder

Vista Weld 3 is a welded ladder type bed joint reinforcement with 3mm outer wires. Designed to provide additional strength to single leaf masonry in areas of need including long walls spans, beam support, deflecting floor decks, stack bonded masonry, lintels and openings. Generally used as a structural product, also ideal for crack control. Available in stainless steel grade 304 S15 and in numerous widths to suit any brick and block thickness. Vista masonry reinforcement conforms to BS 5628 : Part 2 2000. Also available in galvanised.

Code	Product Width	Wall Width	Length	Units
VW3-060-STST	60mm	100mm	2700mm	20 Pack
VW3-100-STST	100mm	140mm	2700mm	20 Pack
VW3-150-STST	150mm	200mm	2700mm	20 Pack
VW3-175-STST	175mm	215mm	2700mm	20 Pack





BIM

NBS Source PARTNER

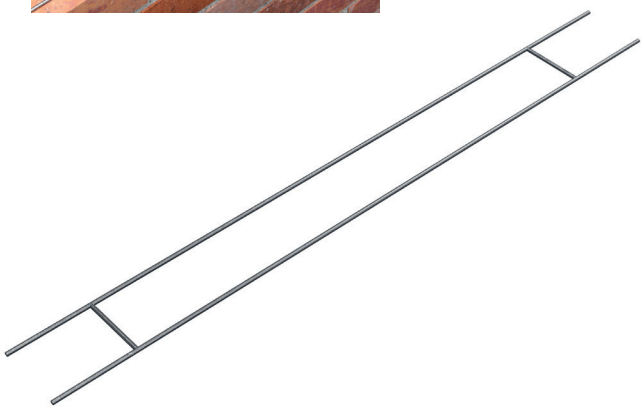
UK CA

Tel: 01663 736700

VW Vista Weld Ladder

Vista Weld is a welded ladder type bed joint reinforcement with 3.5mm flattened outer wires. Designed to provide additional strength to single leaf masonry in areas of need including long walls spans, beam support, deflecting floor decks, stack bonded masonry, lintels and openings. Generally used as a structural product, also ideal for crack control. Available in stainless steel grade 304 S15 and in numerous widths to suit any brick and block thickness. Vista masonry reinforcement conforms to BS 5628 : Part 2 2000. Also available in galvanised.





Code	Product Width	Wall Width	Length	Units
VW-060-STST	60mm	100mm	2700mm	20 Pack
VW-100-STST	100mm	140mm	2700mm	20 Pack
VW-150-STST	150mm	200mm	2700mm	20 Pack
VW-175-STST	175mm	215mm	2700mm	20 Pack

BIM

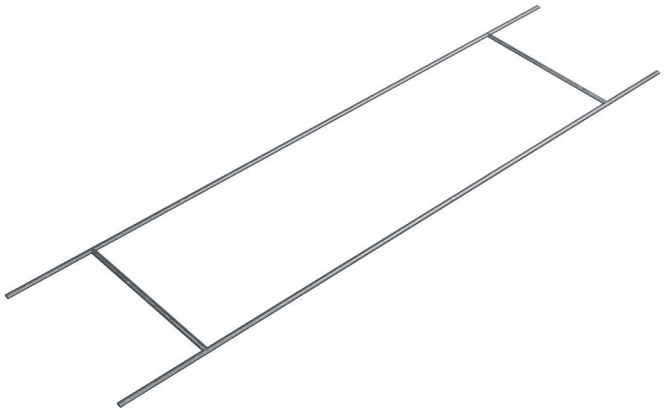
NBS Source PARTNER

UK CA

VW5 Vista Weld 5 Ladder

Vista have developed Vista Weld 5 to meet the ever increasing requirements of specifiers. Vista Weld 5 is a welded ladder type bed joint reinforcement with 5mm flattened outer wires. Designed to provide additional strength to single leaf masonry in areas of need including long walls spans, beam support, deflecting floor decks, stack bonded masonry, lintels and openings. Generally used as a structural product, also ideal for crack control. Available in stainless steel Grade 304 S15 and in numerous widths to suit any brick and block thickness. Vista masonry reinforcement conforms to BS 5628 : Part 2 2000. Also available in galvanised.





Code	Product Width	Wall Width	Length	Units
VW5-060-STST	60mm	100mm	2700mm	20 Pack
VW5-100-STST	100mm	140mm	2700mm	20 Pack
VW5-150-STST	150mm	200mm	2700mm	20 Pack
VW5-175-STST	175mm	215mm	2700mm	20 Pack

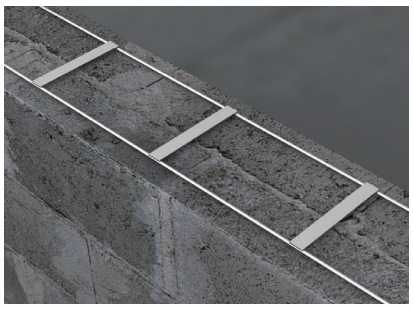
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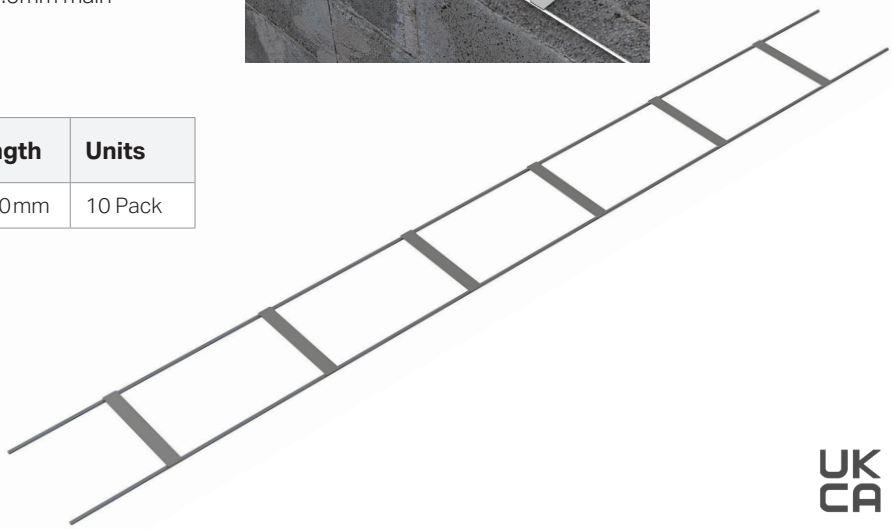
UK CA

VTS Vista Tie Span Ladder

Vista Tie Span has been designed for use in double-leaf collar joint walls, and can reduce the problems on site with heavy blocks, using 2 x 100mm blocks tied together with Tie span to replace a 215mm block. This method of construction also gives the wall a 6 hour fire rating. Tie span is manufactured from stainless or galvanised steel with 4mm or 3.5mm main longitudinal wires with 20mm flat cross ties.
Each length is 2700mm long x 175mm wide.



Code	Product Width	Length	Units
VTS-175-STST	175mm	2700mm	10 Pack



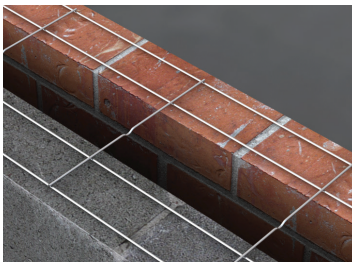
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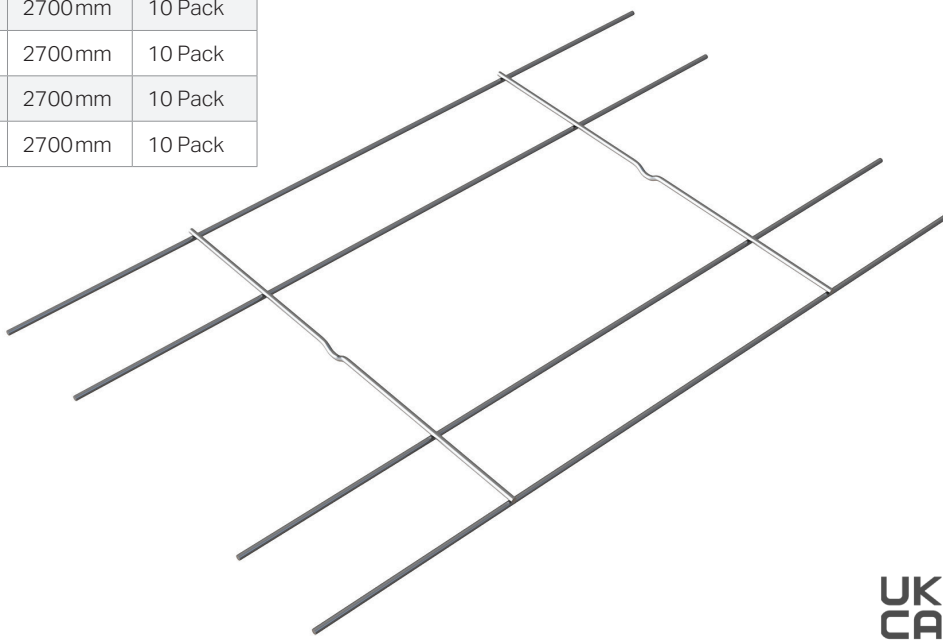
UK CA

DVW Double Vista Weld Ladder

Double Vista Weld is a welded structural ladder type masonry reinforcement used to reinforce both leaves of a cavity wall. Manufactured in stainless steel grade 304 S15, Double Vista Weld is manufactured with 3.5mm main longitudinal wires with 3.6mm cross wires (with a drip). Each length is 2700mm long and is available in numerous widths to suit individual design requirements.



Code	Product Width	Length	Units
DVW-200-STST	200mm	2700mm	10 Pack
DVW-225 -STST	225mm	2700mm	10 Pack
DVW-250-STST	250mm	2700mm	10 Pack
DVW-275-STST	275mm	2700mm	10 Pack
DVW-300-STST	300mm	2700mm	10 Pack



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NBS Source PARTNER

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WINDOW Window Reveal Support

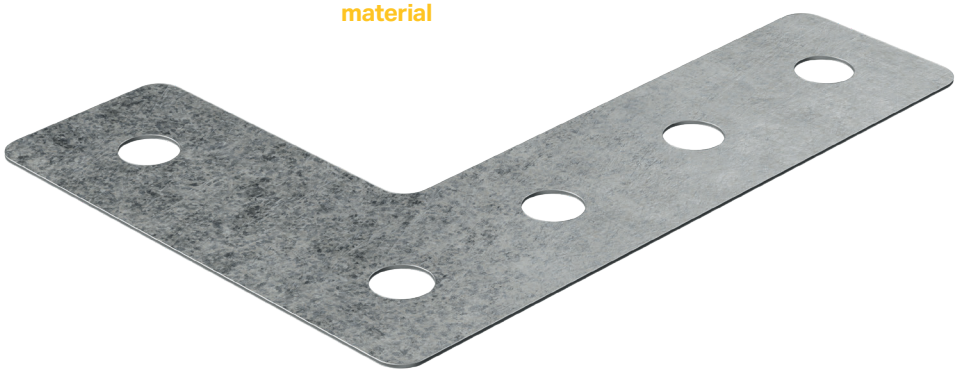
Supports the first few bricks in a full brick (215mm deep) window reveal during construction. Designed for the long leg of the plate to be built into the external leaf bed joint, providing a stable bearing for the reveal brick.

Code	Size	Units
WINDOW	250mm x 184mm	50 Box

Other sizes are available to specification.



2mm thick material



NBS Source PARTNER



Fixing to Concrete and Block

The products in this section are primarily used for fixing to concrete or masonry. Designed for maximum compatibility, these fixings are intended for use in conjunction with our frame cramps, lateral restraints, channel systems, and sliding anchor systems.

Fischer Fix Set Duo Power Coach Screw

Fischer Fix Set Duo Power 8 combines advanced nylon and metal components for optimal load distribution in solid and hollow materials.

Code	Diameter	Depth	Panel Thickness	Anchor Length	Units
557833	6mm	65mm	12.5mm	50mm	250 Pack

For use with our frame cramps and lateral restraint ties.





Image source:
Fischer group of companies

Evolution A4 Stainless Multifix Screw

Evolution A4 Stainless Steel Multi-Fix Screw offers superior corrosion resistance and secure fixing across multiple substrates. Engineered for durability in demanding environments.

Code	Length	Min Embed	Insulation Depth	Units
A4HH6.3-45-GP	45mm	25mm	0-20mm	100 Box
A4HH6.3-70-GP	70mm	25mm	21-45mm	100 Box
A4HH6.3-100-GP	100mm	25mm	45-75mm	100 Box
A4HH6.3-125-GP	125mm	25mm	76-100mm	100 Box
A4HH6.3-140-GP	140mm	25mm	101-115mm	100 Box
A4HH6.3-160-GP	160mm	25mm	116-135mm	100 Box
A4HH6.3-180-GP	180mm	25mm	136-155mm	100 Box
A4HH6.3-200-GP	200mm	25mm	156-175mm	100 Box

For use with our channel systems. See pages 32-34.





Image source:
Fischer group of companies

M10 Expansion Bolt

M10 Expansion Bolt engineered for precision anchoring in concrete and masonry. Built to withstand high loads, ensuring dependable structural integrity. for use with our range of sliding anchor systems. See page xx.

Code	Diameter	Depth	Anchor Length	Units
564612	10mm	85mm	95mm	40Pack

For use with our range of sliding anchor systems. See pages 37-39.





Image source:
Fischer group of companies

Fixing to Steel Structures

The products in this section are engineered specifically for robust mechanical connection to structural steelwork and light-gauge steel framing. Designed for maximum compatibility, these high-performance fixings are intended for use in conjunction with our frame cramps, sliding anchor systems, head restraints and channel systems to ensure structural integrity

Self Tapping Screw

Vista offer a range of self drill screws designed for use when fixing products to steel work. The high quality self drilling fastener is designed to give very rapid and accurate installation with precision drill points eliminating 'skipactions' to prevent damage to the face of the profile.





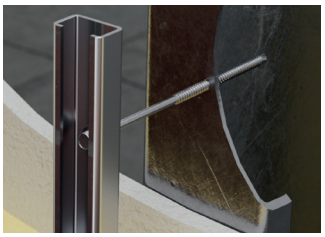
Code	Gauge	Length	Units
BMBW5.5-38-3	5.5mm	38mm	100 Pack
BMBW5.5-50-3	5.5mm	50mm	100 Pack

Ideal for fixing all our Frame Cramps, sliding anchor systems and head restraints. A washer must be used when fixing sliding anchor systems.

Self Tapping Fixings for Steel Frames

Vista's self-drill, double-threaded screws are designed for quick, accurate restraint channel fixing to steelwork. Available in lengths from 80mm to 185mm for combined insulation and CP board thicknesses up to 165mm. The double thread secures the channel without a compression sleeve, speeding installation.
A 16mm washer fits easily through the channel opening.

Bi-metal construction ensures non-combustibility (per Building Regulations) and excellent corrosion resistance. Standard fixings suit light gauge steel (1.2mm–3.5mm); for heavier gauges (4mm–12.5mm), contact our office. Note: For large or flexible insulation, compression sleeves are required.



Code	Length	Insulation	Washer	Units
BMTSBWHT5.5-80-3	80mm	25-60mm	16mm	100 Pack
BMTSBWHT5.5-105-3	105mm	50-85mm	16mm	100 Pack
BMTSBWHT5.5-135-3	135mm	60-115mm	16mm	100 Pack
BMTSBWHT5.5-150-3	150mm	75-130mm	16mm	100 Pack
BMTSBWHT16.5.5-185-3	185mm	110-165mm	16mm	50 Pack

Fixing to Timber

The products in this section are primarily used to fix wall ties to timber frame buildings or those constructed from SIPs panels. Designed for maximum compatibility, these fixings are intended for use in conjunction with our V61 and V62 timber frame ties.

NAILS-250BX Stainless Steel Annular Ring Nails

These 50mm x 3.35mm Stainless Steel Annular Ring Nails are engineered for superior grip and durability. The ring-shank design provides exceptional pull-out resistance, ensuring a permanent, secure fixing in timber substrates. Manufactured from high-grade stainless steel for maximum corrosion resistance, these nails are recommended for use in conjunction with the V61 timber frame wall tie.

Code	Size	Units
NAILS-250BX	50mm x 3.35mm	10 Pack

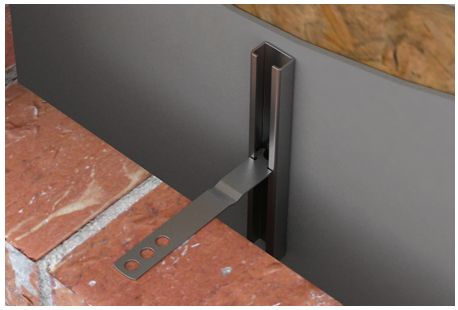




SCREWTF Stainless Steel Screws

These 50mm x 4.0mm Stainless Steel Screws offer a high-strength mechanical fixing for demanding timber frame applications. Featuring a precision-thread design for effortless driving and superior hold, they provide long-term structural integrity and corrosion resistance. These screws are highly versatile and are recommended for use with both the V61 and V62 timber frame wall ties.

Code	Size	Units
SCREWTF-200BX	50mm x 4.0mm	200 Box







Relevent British / European Standards

Design Considerations

When selecting which wall tie to use in a given condition, a number of factors must be considered e.g. cavity size, building type, location and height. In order to determine the correct wall tie to use, guidance must be sought from several statutory documents. Generally, the purpose of the British (and European) standards is to ensure a common minimum standard to which all products and services must adhere.

B.S.D.D. 140

Although only a draft for development (D.D.) this standard has generally been adopted as an industry standard for wall tie designs and applications.

The document is a performance standard, i.e. it is unconcerned with the appearance of the tie, but is more aimed at indicating minimum tensile and compressive resistances for the products.

The document grades ties from type 1 (heavy-duty) to type 6 (light-duty) timber frame ties.

Type 2 being a general purpose tie for domestic and small scale commercial developments, and type 4 being for housing.

Since the purpose of a wall tie is to assist the cavity wall in resisting wind load, the document is also concerned with indicating areas of the country with differing average wind speeds which, along with height and building type, affect choice of wall tie.

BS EN845-1:2013 and BS EN846-5:2012

The above European standards specify the requirements for ancillary components for masonry-ties, tension strips, hangers and brackets (BS EN845-1) and their method of testing and determination of tensile and compressive load capacity and load displacement characteristics (BS EN846-5).

The testing produces a declared value for each type of wall tie tested and this value then enables engineers to calculate the type of tie to be used and density of wall ties in any given situation.

From the test results we are able then to relate our cavity wall ties to the strength requirements of B.S. D.D.140 as listed in PD 6697:2019 and B.S.5268-6:1: 1996 Structural use of timber- dwellings not exceeding seven storeys for timber frame tie usage.

Density and Positioning of Ties

This varies according to cavity width, generally vertical spacings are 450 mm, horizontal spacing is 900 mm (up to a 75 mm cavity) or 750 mm (above 75 mm).

For estimating purposes the use of 5 wall ties per square metre is appropriate. In addition wall ties spaced not more than 300 mm vertically apart should be provided within 225 mm of unbonded openings.

Length and Embedment of Ties

Whilst the British Standards suggest a minimum embedment of 50 mm, in order to allow for site variation and reasonable working tolerance, Vista Engineering would suggest a minimum of 63-75 mm embedment, and a minimum 25 mm mortar thickness after the tie.

Material Specification

The bulk of Vista Engineering's product range is produced in Grade 304, 18/8 austenitic stainless steel. Galvanised material (with the exception of internal fixings) has lost favour due to poor anti-corrosion performance.

There is a standard of stainless steel known as 316 (or marine grade) whose corrosion resistance is higher than 304, for information on products in this range please consult Vista Engineering Sales or Technical departments.

Strip products conform to BS EN 10088-2.1.4301, wire products to B.S. 1554:1990.

Approved Document E-Resistance to the Passage of Sound

Part E of the building regulations states the performance requirements for walls for resistance to the passage of sound. The document not only covers domestic dwellings but all buildings with rooms for residential use including hotels, hostels, student and nurses accommodation and homes for the elderly.

Two types of wall ties come into this classification:

Type A for party walls or external walls

Type B for external walls

To meet Part E the dynamic stiffness of wall ties has to be measured and the results are shown as MN/m^3. The dynamic stiffness is measured by a research laboratory by casting ties into 100mm square concrete blocks after which the blocks are suspended and one of the blocks vibrated. The frequency response is then measured and from the test the mean dynamic stiffness is calculated for the specific cavity and multiplied by the tie density (2.5 per square metre).

The results are then shown in MN/m^3.

Type A ties for internal separating walls of new-build attached dwellings up to any height* or external walls where sound transmission is critical

(*Restrictions may apply to very tall buildings or coastal/exposed regions-the contractor needs to check these situations with relevant authorities.)

These ties must either be butterfly ties to BS1243 (only used in 50mm-75mm cavities) which have now been discontinued, or ties with a measured dynamic stiffness of **<4.8MN/m^3** taking both cavity width and tie density into account.

Tests at Lucideon have proved that the **Vista VE4 Housing Tie** has a measured dynamic stiffness of **2.77MN/m^3** in a 75mm cavity and is therefore more than suitable for party walls at a standard density of 2.5 per square metre, the dynamic stiffness in a 100mm cavity will be similar or less. **The VE4 Housing Ties 250 mm and 275 mm** have also been tested and have a measured dynamic stiffness of **4.6MN/m^3** and therefore also are classed as a Type A tie in Part E minimum cavity width for these 2 sizes 125mm. Vista VE4 wall ties are listed by Robust Details as a Type A wall tie.

Type B ties for external walls where a Type A tie is not suitable

These ties must be either double triangle to BS1243 (only used in 50mm-75mm cavities) or ties with a measured dynamic stiffness of <113MN/m^3 taking both cavity width and tie density into account.

Tests at Lucideon have proved that the **Vista EN2 and VE2 General Purpose Ties** have a measured dynamic stiffness of **12.5MN/m^3** in a 100mm cavity and the Vista **VST1 Heavy Duty Tie** has a measured dynamic stiffness of **86.3MN/m^3** in a 100mm cavity. Both are therefore suitable for use in external cavity masonry walls.

Health and Safety

To find out more about our Health and Safety advice on handling and packaging please contact us for an information sheet or go online at:

www.vistaeng.co.uk.



Head Office

Vista Engineering Limited
Carr Brook Works
Elnor Lane
Whaley Bridge
High Peak SK23 7JN

01663 736700
www.vistaeng.co.uk
sales@vistaeng.co.uk

Scotland Office

Vista Engineering Limited
79 Dunn Street
Parkhead
Glasgow G40 3PA

0141 613 3144
www.vistascotland.co.uk
scotland@vistaeng.co.uk



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GA Fixings Ltd

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