

Heli-Tie™

Helical Stitching Tie



Repair of building façades

Restoration or repair of damaged brick and masonry structures presents a unique challenge to contractors and Designers. The Simpson Strong-Tie® Heli-Tie™ helical stitching tie provides a unique solution to the preservation and repair effort. Made of 304 stainless steel, the 6 mm diameter tie is installed into the bed joint of damaged or cracked masonry courses using non-shrink repair grout or mortar.

Features and Benefits

- Helical design distributes loads uniformly over a large surface area
- Installs into the mortar joint to provide an inconspicuous repair and preserve the appearance of the structure
- Type 304 stainless steel offers excellent corrosion resistance to original reinforcement
- Patented manufacturing process results in consistent, uniform helix configuration

Applications

- Repair of damaged masonry

Base Material

- Masonry

Finish

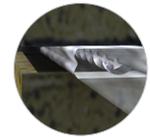
- Type 304 stainless steel



Scan this QR code to watch installation animation on Heli-Tie™ Helical Stitching Tie.
<https://youtu.be/mebsrKkKDoA>

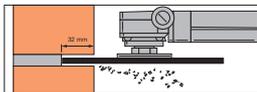


Helical design distributes loads uniformly over a large surface area



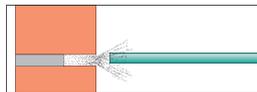
Installs into the mortar joint to provide an **inconspicuous repair** and preserve the appearance of the structure

Installation Sequence



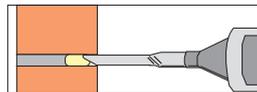
1. Grind

Chase bed joint 500 mm on either side of the affected area to a depth of approximately 32 mm with a rotary grinding wheel.



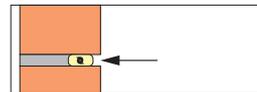
2. Clean

Clear bed joint of all loose debris.



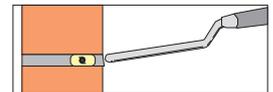
3. Fill

Mix non-shrink repair grout or mortar as per product instructions and place into the prepared bed joint, filling the void to approximately two-thirds of its depth.



4. Insert

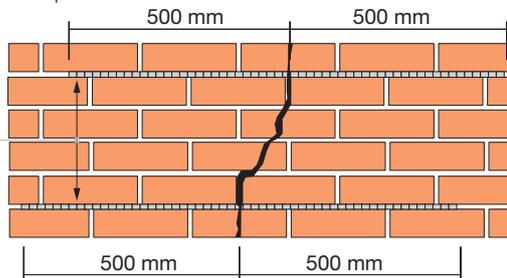
Embed the tie at one-half the depth of the void. Trowel displaced grout to fully encapsulate the tie.



5. Seal

Fill any remaining void and vertical cracks with repair mortar (by others) to conceal repair site.

- 300 mm. max. for brick
- Every other course for CMU applications



Specifications - Heli-Tie Helical Stitch Tie

Model No.	Size (mm)	Material	Pack Qty
HELIST06-10M	6 x 10,000	304 Stainless Steel	1

Simpson Strong-Tie® Australia
 Call **1300 STRONGTIE** (1300 787 664)
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Simpson Strong-Tie® New Zealand
 Call **09 477 4440**
www.strongtie.co.nz

Simpson Strong-Tie Limited Warranty: For the Limited Warranty that applies to Simpson Strong-Tie products, please consult www.strongtie.com.au/warranty or www.strongtie.co.nz/warranty. To obtain a copy of the Limited Warranty, contact us at info.au@strongtie.com or info.nz@strongtie.com, or at the number provided here. The Limited Warranty contains important disclaimers, limitations and exclusions, and applies only if the products have been properly specified, installed, maintained, and used in accordance with the design limits and the structural, technical, and environmental specifications in the Simpson Strong-Tie Documentation. All future purchases of Simpson Strong-Tie products are subject to the terms of the Limited Warranty in effect as of the purchase date.

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