

Heli-Tie™ Helical Stitching Tie

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 (by others).

Features

- 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 (U.S. Patent 7,269,987)
- Batch number printed on each tie for easy identification and inspection

Applications

- Repair of damaged masonry

Base Material

- Masonry

Finish

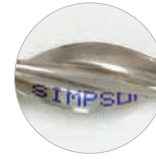
- Type 304 stainless steel



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



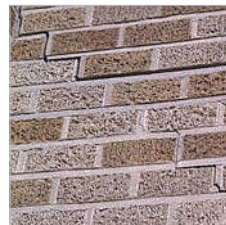
Heli-Tie™ Helical Stitching Tie
 U.S. Patent 7,269,987



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



Heli-Tie™ Helical Stitching Tie Product Availability

Size (mm)	Model No.	Pack Qty	Ctn Qty
6 x 1000	HELIST254000 ¹	1	10
6 x 10,000	HELIST06-10M ²	1	—

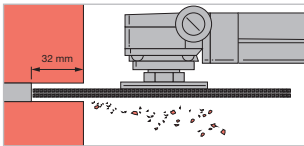
Special-order lengths available, contact Simpson Strong-Tie for details.

1. Only available in Australia
2. Only available in New Zealand

Heli-Tie™ Helical Stitching Tie Installation

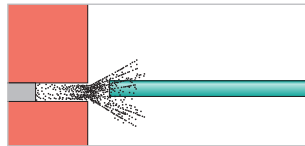


Installation Sequence



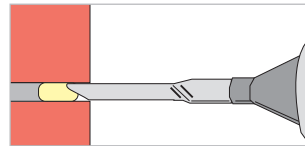
1. Grind

Chase bed joint 500 mm on either side of the affected area to a depth of approximately 32 mm with a rotary grinding wheel. Vertical spacing of installation sites should be approximately 300 mm for red brick or "every course" for concrete masonry units.



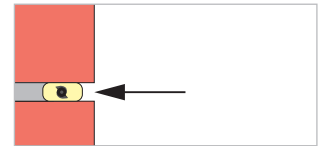
2. Clean

Clear bed joint of all loose debris.



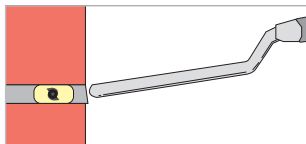
3. Fill

Mix non-shrink repair grout or mortar (by others) 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

