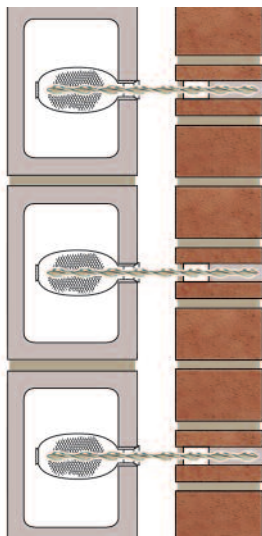


# CemenTie

Remedial wall tie for use with thin wall far leaves

## Applications

- Where the far leaf is a thin wall hollow block or of poor quality
- Particularly applicable from the fourth floor upwards to comply with resin-related fire concerns/safety requirements
- CemenTie uses a grout-filled sock sleeve to provide a secure bond, grouted in both leaves



Remedial wall tie using expanded grout-filled sock in hollow block far leaf

Over 100 standard repair specifications are available online, covering all common structural faults.  
Relevant Repair Details: RDs WT04, WT27



For full Product Information, Case Studies and downloadable Repair Details go to:

[www.helifix.co.uk/products/remedial-products/cementie/](http://www.helifix.co.uk/products/remedial-products/cementie/)



## Features

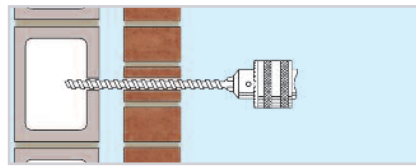
- Accommodates normal building movement
- Able to bond with thin wall far leaf
- Tie, sock sleeve and grout create excellent bond
- Efficient remedial wall tie for high rise blocks
- Far leaf security of fixing easily proof tested



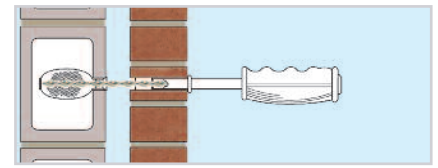
Drilling clearance hole in both leaves ready for CemenTie installation

# Installation Procedures

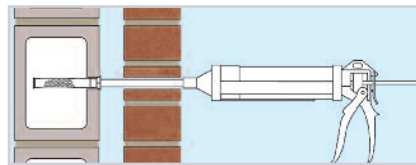
1. Mark the points for CemenTie insertion on the face of the near leaf brickwork. Drill a 13mm or 14mm diameter clearance hole through the near leaf and the wall of the far leaf. The hole should be drilled about half way up the brick and around 15mm from the end to avoid frogs and core holes.
2. Flush the near leaf hole clean with water.
3. Place the sock sleeve over the end of the CemenTie Pinning Nozzle and insert into hole in the far leaf until it reaches the back of the block or the sock sleeve flange is secured in the entry hole to the far leaf block.
4. Inject sufficient HeliBond grout to fill sock and expand it behind far leaf, then withdraw the CemenTie Pinning Nozzle.



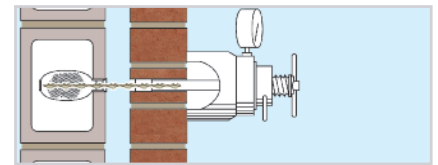
1. Drill 13mm or 14mm diameter clearance hole in both leaves and flush clean



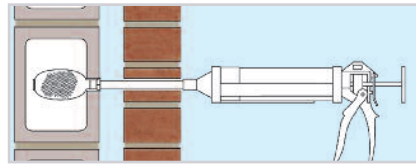
4. Insert CemenTie, with plastic sleeve fitted, into fabric sock



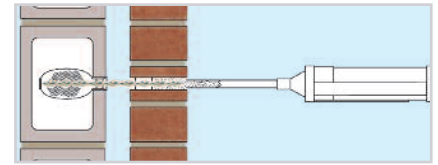
2. Place sock sleeve over end of grout gun CemenTie nozzle and insert into hole in far leaf



5. When cured, test security of far leaf fixing, if required



3. Inject sufficient grout to fill sock and expand it behind far leaf



6. Inject grout to fill hole in near leaf and make good

5. Load the CemenTie, with plastic sleeve fitted, into the support tool. Insert the tool into the clearance hole until the CemenTie enters the grout-filled sock.

6. Once cured, security of fixing in the far leaf can be tested with a Helifix Load Test Unit.
7. Inject HeliBond grout to fill the hole in the near leaf, allow to cure and make good.

# Technical Specifications

Material:	Austenitic stainless steel Grade 304 (1.4301) or 316 (1.4401)
Diameter:	6mm
Length:	Width of near leaf + width of cavity + wall of hollow block + 50mm
Standard lengths:	170mm, 195mm, 220mm, 245mm, 270mm and 295mm – in packs of 100
Diameter of clearance hole:	Ideally 13mm (14mm is suitable)
Depth of clearance hole:	Length of CemenTie
Minimum fixing density:	Ties should be at 900mm centres horizontally by 450mm vertically, in a staggered pattern
Bonding agent:	HeliBond Grout
<b>RECOMMENDED TOOLING</b>	
For drilling clearance hole:	SDS hammer drill or rotary percussion drill (particularly in friable far leaf block walls)
For installing CemenTie:	Hand held Support Tool; CemenTie Pinning nozzle fitted to grout gun

**NB** Compression forces are resisted only if the sock is against the back wall of the block chamber.