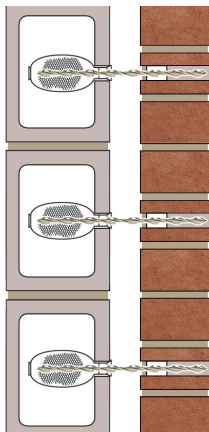


CemenTie

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 an expanded grout-filled sock in hollow block far leaf



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

Over 100 standard repair specifications are available online, covering all common structural faults.

Relevant Repair Details: RDs WT04, WT27, WT33



Drilling clearance hole in both leaves ready for CemenTie installation



For full product information, case studies and downloadable repair details go to:
www.helifix.co.uk/products/remedial-products/cementie/

TECHNICAL SPECIFICATIONS

CEMENTIE

Material	Austenitic stainless steel Grade 304 (1.4301) or 316 (1.4401)
Diameter	6mm
Length	Width of near leaf + width of cavity + 50mm
Standard lengths	170mm, 195mm, 220mm, 245mm, 270mm and 295mm – in packs of 100
Diameter of clearance hole	ø 12 / 13mm
Depth of clearance hole	Length of CemenTie
Minimum fixing density	Consult the Helifix Technical Department. Typically, ties should be at 900mm centres horizontally by 450mm vertically, in a staggered pattern
Bonding agent	HeliBond Grout

RECOMMENDED TOOLING

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

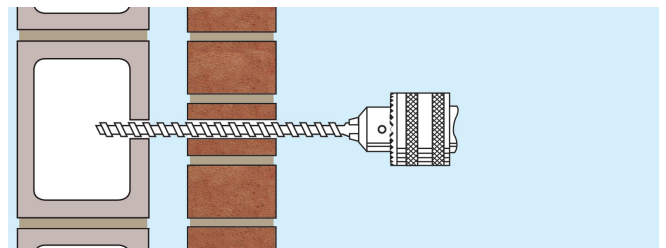
NB Compression forces are resisted only if the sock is against the back wall of the block chamber

INSTALLATION PROCEDURES

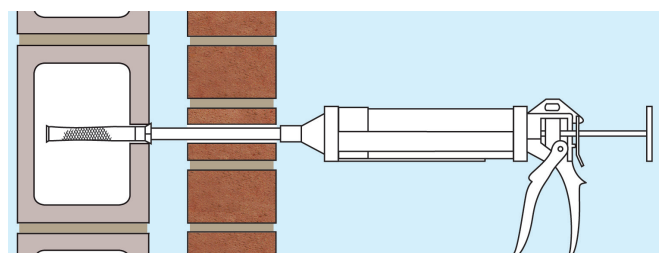
1. Mark the points for CemenTie insertion on the face of the near leaf brickwork. Drill a 12mm or 13mm diameter clearance hole through the near leaf and the wall of the far leaf. The hole should be drilled about half way up the brick and around 15mm from the end to avoid frogs and core holes.

Flush the near leaf hole clean with water.

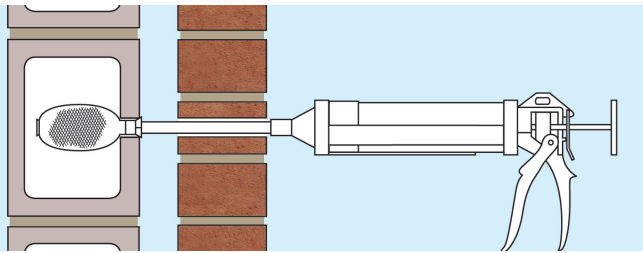
2. Place the sock sleeve over the end of the CemenTie Pinning Nozzle and insert into hole in the far leaf until it reaches the back of the block or the sock sleeve flange is secured in the entry hole to the far leaf block.
3. Inject sufficient HeliBond grout to fill sock and expand it behind far leaf, then withdraw the CemenTie Pinning Nozzle.
4. 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.
5. Once cured, security of fixing in the far leaf can be tested with a Helifix Load Test Unit.
6. Inject HeliBond grout to fill the hole in the near leaf, allow to cure and make good.



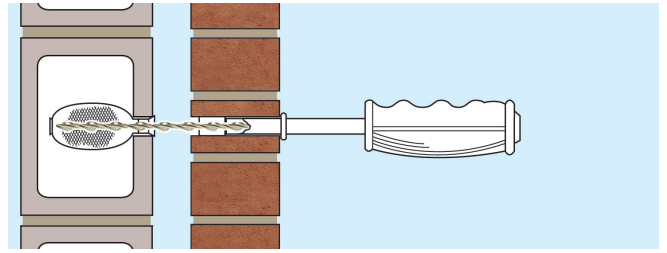
1. Drill 12mm or 13mm diameter clearance hole in both leaves and flush clean.



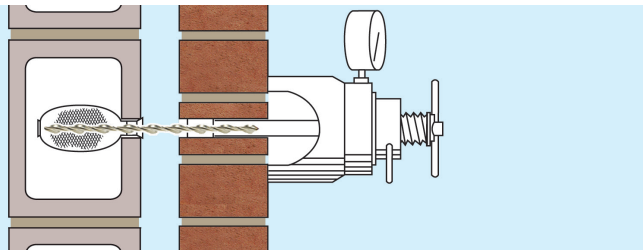
2. Place sock sleeve over end of grout gun CemenTie nozzle and insert into hole in far leaf.



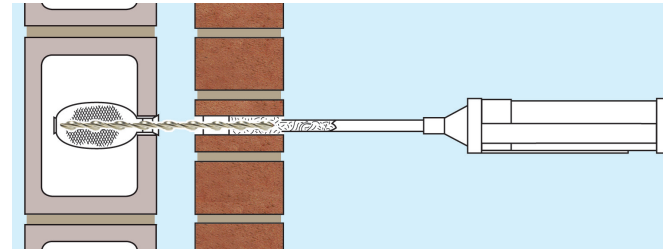
3. Inject sufficient grout to fill sock and expand it behind far leaf.



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



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



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