

INSTALLATION

**ANZ
ST01**

Tying a new masonry leaf to an existing wall using StarTies

Product	Description	Code
StarTie	Stainless steel new build wall tie	HST

Method Statement

1. Drill a 5mm ø pilot hole into the existing wall to the specified depth using a light-weight rotary percussion drill.*

Wherever possible, the hole should be drilled directly into the masonry, but it may also be drilled into the existing mortar if this is strong and in good condition. The hole may be drilled perpendicular to the face of the wall or at an angle. This choice will be determined by the degree of alignment between the mortar joints in the existing wall and new leaf. If they are in alignment (as depicted), and the joint in the existing wall is of poor quality, then the hole should be drilled at an angle to ensure that the StarTie penetrates solid masonry.

2. Attach the support tool to an SDS hammer drill set to a slow speed and light hammer only. (StarTies are self-tapping and will work themselves into the wall following the hammer action of the drill.)
3. Load the StarTie into the support tool.
4. Drive the StarTie into the pre-drilled pilot hole.
5. If required, bend the exposed end of the StarTie down using the support tool so that it lies parallel to the new mortar bed.
6. Bed the exposed tail of the StarTie into the new mortar bed.

NOTE. Avoid leaning or pushing heavily on the drill during operation to ensure the accuracy of the hole's diameter.

RECOMMENDED TOOLING

For drillingRotary percussion drill 650/850w

For installation of StarTieSDS rotary hammer drill 650/850w and support tool

*SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise:

- A. StarTie are to be spaced in accordance with building code requirements to suit site conditions and location. Relevant Australasian standard includes AS3700.
- B. Depth of pilot hole to equal tie penetration.
- C. StarTie length to equal:
 $Existing\ leaf\ penetration + cavity\ width + new\ leaf\ embedment$
 Typically, ties should be sufficiently long to penetrate 70mm into the existing wall. Ties should be sufficiently long to extend not less than half way into the new leaf.

The above specification notes are for general guidance only and Helifix reserves the right to amend details/notes as necessary.

GENERAL NOTES

- Product details available from Helifix.
- Contact Helifix if your application differs from this repair detail or you require specific technical information.

