

BRT09

Replacing wall ties in a steel framed wall using DryFix

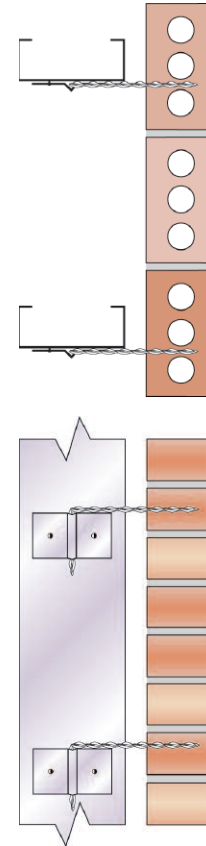
Product	Description	Code
DryFix	Stainless steel dry pinning system	HST
ST Bracket	Stainless steel DryFix bracket	HTA

METHOD STATEMENT

1. Drill a 5mm Ø pilot hole into the existing wall to the specified depth using a light-weight electric drill.* A rotary percussion drill, 3-jaw-chuck type, should be used as standard. An SDS-type hammer drill set to a slow speed and light hammer may be preferred if the masonry is sufficiently dense to withstand the heavier SDS hammer action. A 6mm or 6.5mm Ø pilot hole size may be preferred if the masonry is particularly hard.
Where possible, the hole should be drilled directly into the masonry, but it may also be driven into the existing mortar if this is strong and in good condition.
2. Attach the Helifix DryFix support tool to an SDS hammer drill set to a slow speed and light hammer only. (DryFix ties are self-tapping and will work themselves into the wall following the hammer action of the drill.)
3. Load the DryFix tie into the support tool.
4. Drive the DryFix into the pre-drilled pilot hole.
5. Bend down 90° a 50mm section of the exposed end of the DryFix tie using the support tool.
6. Place the DryFix bracket over the end of the tie and secure the bracket to the steel frame.*

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

CAUTION. Always locate, identify and isolate any electrical, water or gas services which may be present in the wall or the wall cavities and can pose a safety risk before drilling or cutting. Always take the necessary safety precautions. Use electrical safety gloves and wear appropriate footwear and eyewear.



RECOMMENDED TOOLING

- For drillingRotary percussion or
SDS rotary hammer drill 650/850w
- For installation of DryFixSDS rotary hammer drill and
DryFix support tool

* Specification Notes

The following criteria are to be used unless specified otherwise:

- A. DryFix ties used to secure each stud are to be installed at a vertical/horizontal spacing of not more than 600mm.
- B. DryFix length to equal:
Masonry leaf penetration + cavity width + 100mm or more stud connection
Typically, ties should be sufficiently long to penetrate 35-95mm into the masonry leaf depending on its hardness, with harder materials requiring less penetration. Typically, 60-70mm penetration is to be achieved when installing into common, dry-pressed or extruded brickwork.
- C. Depth of pilot hole to equal tie penetration.
- D. The stainless steel DryFix bracket may be riveted, screwed or welded to the stud depending on the stud material.

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

GENERAL NOTES

- Helifix product details available at www.helifix.com.au.
- If your application differs from this repair detail or you require specific technical information, call Helifix on 1300 66 70 71.