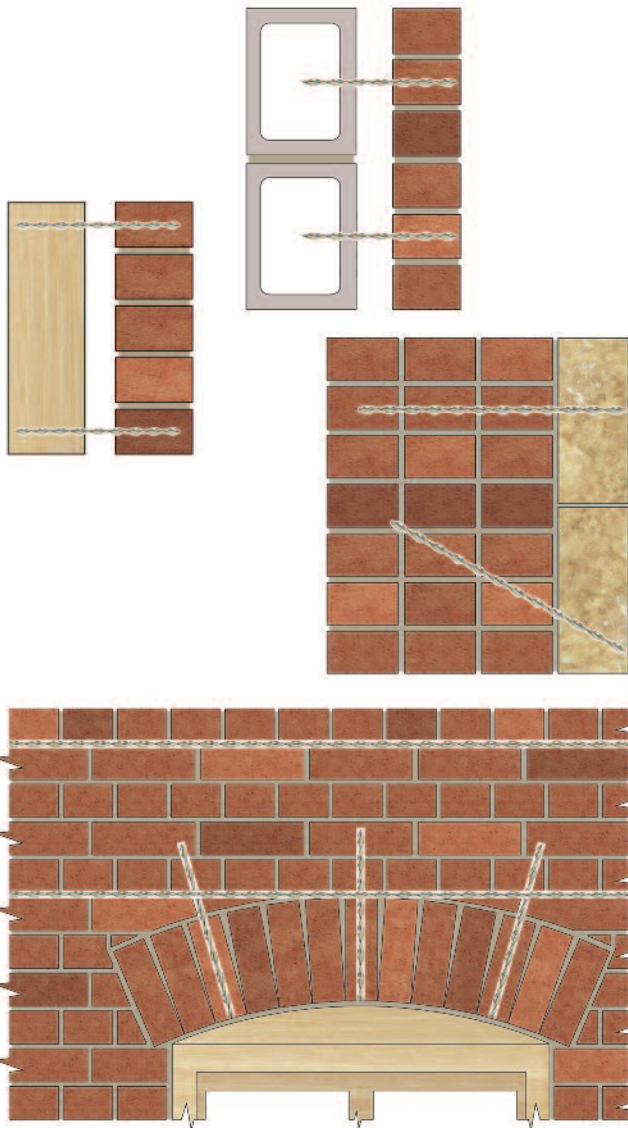


# DryFix

## Dry mechanical pinning and remedial tying system



## Applications

- Versatile replacement wall tie
- For securing multiple layers of masonry
- For pinning delicate masonry features
- For pinning render and thin panels
- Seismic retrofit of masonry walls

## Features

- Requires no resin, grout or mechanical expansion
- Quick, easy, non-disruptive installation using the Power Driver Attachment
- Installed tie is recessed below face of masonry
- Highly economical with low installed costs
- Effective in all common building materials
- Leaves masonry virtually unmarked
- Usable in all weather, temperature and environmental conditions
- Far and near leaf security of fixing easily proof tested

Over 50 standard repair specifications are available online, covering all common structural faults.

Relevant Repair Details: RP01, RT04, RT05, RT06, RT08, RT09



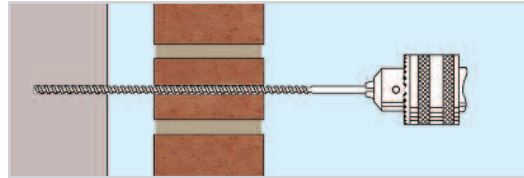
Scan the QR Code for full Product Information, Case Studies and downloadable Repair Details



DryFix tie being power-driven into pilot hole

# Installation Procedures

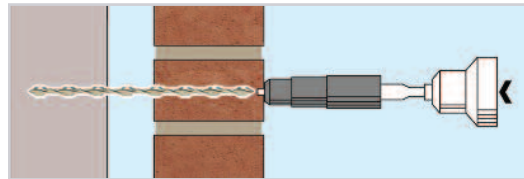
1. Mark the position for the DryFix tie on the face of the near leaf.
2. Drill an appropriate diameter pilot hole (depending on density of far leaf material) through the near leaf and into the back-up substrate, to predetermined depth, using a rotary percussion drill (3-jaw-chuck-type).
3. Fit the special DryFix PDA insertion tool to an electric hammer drill (SDS type).
4. Load the DryFix tie into the insertion tool.
5. Power-drive the tie into position until its outer end is recessed below the face of the near leaf by the insertion tool.
6. Make good the entry hole with matching materials.



1. Drill small pilot hole, typically 5mm in diameter, using rotary percussion drill, 3-jaw-chuck type



2. Load tie into DryFix Power Driver Attachment fitted to SDS hammer drill



3. Drive in tie until outer end is fully recessed below face of masonry

## Technical Specifications

Diameter*:	8mm standard (10mm and Asymmetric Dryfix available)
Cross sectional area:	10mm <sup>2</sup> (15mm <sup>2</sup> )
Stock Lengths:	50 — 400mm
Required Length:	Near leaf thickness less 10mm + cavity width + far leaf penetration, typically 70mm (Refer to Installation Details for further instruction)
Depth of pilot hole:	Length of Dryfix + 10mm
Bonding agent:	None required

\* NOTE Diameter measures from fin edge to fin edge.

## Characteristic Material Properties

Grade of Stainless Steel*	Diameter (mm)	Length* (mm)	Cross Sectional Area (mm <sup>2</sup> )	Ultimate Tensile Strength (MPa)	UTS (kN)	0.2% Proof Stress (MPa)	Shear Strength (Averaged) (MPa)	Product Code
ASTM 316	8.0	50 – 400	10.0	1100	11.4	860	700	HDF80
ASTM 316	10.0	155 – 500	15.0	1088	16.7	770	750	HDF10
ASTM 316	10.0 / 8.0	155 – 325						HDFAS

\* NOTE Other lengths and Grade 304 stainless steel option available on request.

## Characteristic Performance Data

AS/NZS2699.1 Type B remedial classification (8.0mm tie)*						
Test Type (Connection type)	Cavity Width (mm)	Axial Stiffness (kN/mm)	Axial Strength (kN)	Residual Strength (kN)	Classification*	
Type B Remedial Tie (Drive-in connection to brick at both ends of the tie)	75	0.61	1.902	2.321	Earthquake Heavy Duty, for cavity 75mm	

\* NOTE Standard AS/NZS2699.1 type B classification does not strictly apply. AS/NZS2699.1 type B pertains to veneer tie classification only. Remedial cavity wall tie tests performed in accordance with AS/NZS2699.1 type B in the absence of any other suitable remedial seismic standard. REFERENCE Remedial Wall Tie Information Sheet

### RECOMMENDED TOOLING

- For drilling pilot hole: Rotary percussion 3-jaw-chuck drill
- For installing DryFix tie: Power Driver Attachment fitted to an electric hammer drill (SDS type).



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