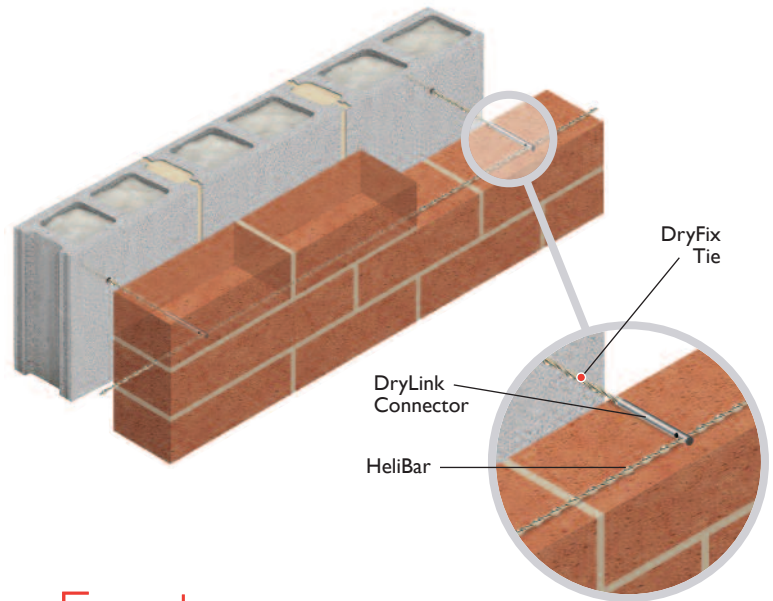


# DryLink Connector

For connecting HeliBar reinforcement to Helifix wall ties in new build and remedial applications



## Applications

- For connecting HeliBar reinforcement, installed into masonry to distribute stresses and provide in-plane strength, to wall ties, installed to provide out-of-plane restraint

## Installation Procedures

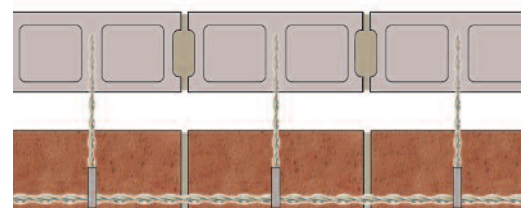
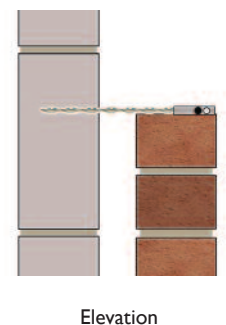
### – New Construction

1. During the construction of the outer leaf masonry, at the point where a tie is needed, drill an appropriate diameter pilot hole into the far leaf substrate.
2. Install the StarTie leaving the tie end near the centre of the outer leaf masonry.
3. Fit the DryLink Connector over the StarTie. Ensure that it is fully engaged with the tie and that its holes line up horizontally on the outer leaf masonry. Repeat this procedure along the bed joint, at the required spacing, before inserting the HeliBar.

## Features

- Simple and straightforward to install
- Non-disruptive - requires no taking down and rebuilding
- Strong, reliable connection with inner leaf material
- Additional strength created in outer leaf
- Positive lock with easy overlap for long runs
- Fully concealed and visually sympathetic

4. Thread the HeliBar through the adjacent connectors. Continuous runs are made by overlapping adjacent HeliBars, by a minimum of 150mm, through the two pairs of holes in the DryLink Connector.
5. Apply mortar and complete the wall with reinforcements to predetermined bed joints.
6. Point up the bed joints.



Plan view



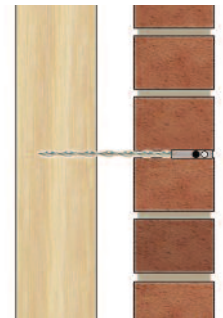
Scan the QR Code for full Product Information, Case Studies and downloadable Repair Details

# Installation Procedures

## – Remedial

1. Select the points where DryFix ties are to be installed. (Usually at the base of a parapet).
2. Drill a pilot hole, suitable for the inner leaf material, through the outer leaf and into the far leaf, to the required depth.
3. Enlarge the hole, through the outer leaf only, to 12mm, to accept the DryLink Connector.
4. Cut out the bed joint to a depth of 30mm – 40mm, using a twin diamond-bladed masonry cutter with vacuum attachment.
5. Make sure NO mortar is left attached to the exposed brick surfaces to ensure a good mortar bond.
6. Remove all dust and mortar from the slot and thoroughly flush with clean, fresh water and leave the brickwork damp.
7. Using the Power Support Tool, drive the DryFix ties into the far leaf, leaving the tie end near the centre of the outer leaf brick.
8. Fit the connector, ensuring that it is fully engaged with the tie 12mm – 20mm below the face and with its holes lined up horizontally.

9. Thread the 4.5mm HeliBar through the adjacent connectors. Continuous runs are made by overlapping adjacent HeliBars, by a minimum of 150mm, through the two pairs of holes in the Seismic Connector.
10. Inject HeliBond grout over the HeliBar to the back of the slot and fill the slot. Firmly compress the HeliBond using a HeliBond Insertion Tool or finger trowel, ensuring that the HeliBar is completely embedded, and leave 10mm – 15mm for re-pointing.
11. Re-point the joints with matching mortar.



Elevation



Plan view

# Technical Specifications

Materials:	Austenitic stainless steel: DryFix & StarTie - Grade 316 as standard (304 also available) HeliBar Connector - Grade 304
Diameters:	DryFix / StarTie: 8mm      HeliBar: 4.5mm
DryFix length:	Outer leaf masonry + cavity width + required penetration into the inner leaf less 40mm to allow for the DryLink
Standard DryFix / StarTie lengths:	155mm, 170mm, 195mm, 220mm, 245mm, 270mm, 295mm, 325mm and 350mm
Standard HeliBar length:	Up to 7m
Depth of pilot hole:	Length of DryFix + 25mm
Minimum fixing density:	In accordance with project specification
Bonding agent:	HeliBond Grout
<b>RECOMMENDED TOOLING</b>	
For drilling pilot hole:	Rotary percussion 3-jaw-chuck drill
For installing DryFix / StarTie:	Power Support Tool fitted to a rotary hammer drill (SDS type)
For cutting slot up to 40mm deep:	Twin-bladed cutter with vacuum attachment
For injecting HeliBond into slots:	Helifix Pointing Gun CS with mortar nozzle

NOTE: HeliBond may be injected into the DryLink, if preferred, to eliminate any play between components



SUSTAINABLE STRUCTURAL SOLUTIONS

98 Kurrajong Avenue, Mount Druitt, Sydney, NSW 2770, Australia  
Tel: 1300 66 70 71 • Fax: 02 9669 1702  
email: sales@helifix.com.au

[www.helifix.com.au](http://www.helifix.com.au)

January 2014