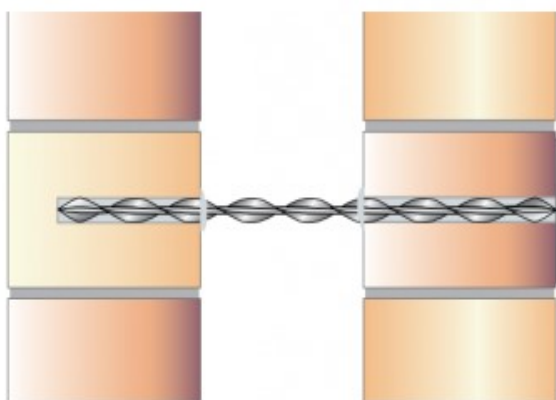


# Helical Wall Tie - Installation Guide

## Resin to Resin Remedial Wall Ties (HELI-4.5-ONE, HELI-6-ONE)

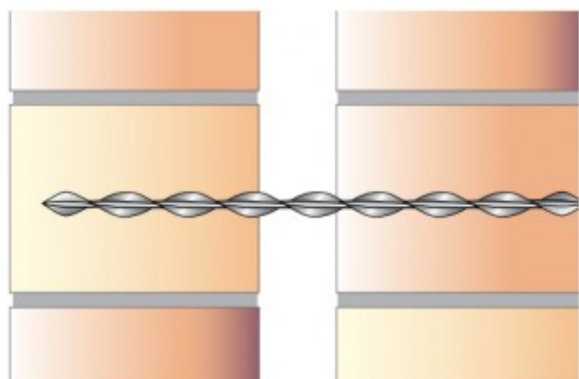
Used when the existing ties have either corroded or insufficient ties have been used. Tying both the inner (load bearing) leaf with the external wall.



1. **Drill a 10mm pilot hole through the outer leaf and 55mm into the inner leaf. Clear both holes of debris using blowing and brushing.**
2. **Inject polyester resin into the inner leaf using the nozzle extension.**
3. **Push through the outer leaf and into the inner leaf. Hand support tool available if required.**
4. **Inject resin over the tie into the outer leaf.**
5. **Make good the tie at the surface with matching mortar.**

## Mechanical Remedial Wall Ties (HELI-8-TWO)

Used when the existing ties have either corroded or insufficient ties have been used. Tying both the inner (load bearing) leaf with the external wall and pinning together delaminated masonry.



1. **Drill the pilot holes through both leaves to required depth (70mm min embedment) and diameter (5.5 – 6.5mm for 8mm tie).**
2. **Insert the installation tool into an SDS rotary hammer drill, then place the tie into the installation tool.**
3. **Drive the tie into the internal leaf to the required depth ensuring the tie is fully recessed to the external leaf below the face of the masonry.**
4. **Make good the tie at the surface with matching mortar.**

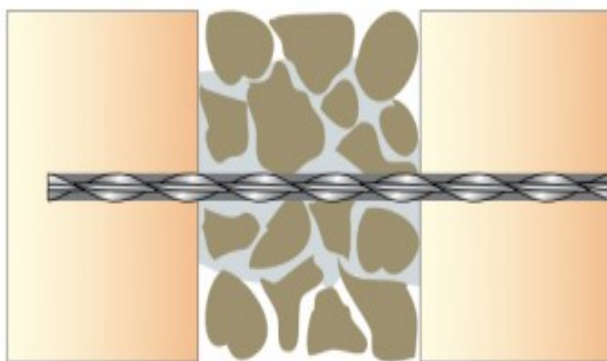
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# Helical Wall Tie - Installation Guide

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## Grout Remedial Wall Ties (HELI-8)

Used to stabilise solid or rubble walls, repair delaminated brickwork and to reconnect separated internal party walls to the external leafs.



1. **Drill hole to required depth and clean. Attach required length of nozzle to applicator gun.**
2. **Fill gun with mixed grout. Pump grout to fill the nozzle, screw correct length helical grout tie into nozzle, insert nozzle to back of hole.**
3. **Pump the cementitious grout into back of the hole.**
4. **Withdraw nozzle carefully leaving sufficient grout around the tie until removed.**
5. **Make good the tie at the surface with matching mortar.**