

RESTRAINING A BOWED WALL INTO JOIST ENDS



SPECIFICATIONS

Helical Lateral Restraint Tie Specification	
Bar Profile	TC 8mm Helical Bar
Bar Lengths	220mm to 600mm
Tensile Strength (kN)	12.4
Yield Point (N/mm ²)	778
E - Modulus (G Pa)	150
Full Declaration of Performance and Test Data Available on Request	



1). Remove sufficient floorboards to ensure the installation area is clear of services and to measure joist positions. The masonry and joists must be sound, and the restraints should be installed at every joist end along the wall, at a maximum of 600mm horizontal centres.



2). Mark the drill hole on the external wall and drill a min 14mm hole through the masonry using the supplied masonry drill bit. Do not drill through the joists. Clean the holes with a Titan Ties air pump & thoroughly flush with water.



3). Insert the helical tie setting tool into an SDS rotary hammer drill. Hold a suitably sized helical tie in the setting tool and position in the drilled hole.



4). Using the drill on a hammer-only setting, drive the helical tie through the drilled hole and at least 70mm into the centre of the joist end. Each helical tie will self tap through the timber. Drive the tie until it is recessed approx 15mm from the face of the external masonry.



5). Finally, use Titan Ties Anchor Resin with a mixer nozzle and the supplied 250mm extension nozzle to resin-fix the full length of the helical tie that sits within the masonry. Apply resin evenly from the back of the hole to the front.



6). Seal the end of the hole with a further continuous plug of resin. A colour matching mortar kit can also be used to closely match existing masonry once the tie is plugged.

All buyers are advised to wear suitable personal protective equipment and check available product data to satisfy themselves of safe operating procedures. Buyers should seek the advice of a structural engineer or suitably qualified surveyor prior to undertaking installation. Information provided is for guidance only and no liability is taken. The buyer is responsible for ensuring the materials procured are suitable and fit for purpose. 'StructuralSupplies.co.uk' and 'Titan Ties' are registered trademarks and trading entities of Earlswood Trading Limited, all rights reserved.

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