

Wykamol CD Wall Tie Kit

Description

Wykamol CD remedial wall ties are designed to have longitudinal blades with sufficient reactive interface angle to cut an accurate self tapping penetrative path into a wide variety of masonry elements upon being driven by a series of axial impacts.

Proven through independent testing programs and 25 years of use, helical wall ties are identified in B.R.E.Digest 329 (Table 5) as being suitable for use in all remedial situations, irrespective of the buildings substrate or its fire performance criteria.

The CD wall tie has a circumscribed diameter of 9mm and is typically driven into a tiny pilot hole to minimize disturbance to the masonry as installation proceeds at remarkable speed and great simplicity.

- **Reliable in all types of masonry**
- **Robust & corrosion free**
- **Engineered product upgrade**
- **Patented helix consistency**

Benefits

The mechanical interlock anchorage of the CD wall tie exerts no expansive stress, does not rely on adhesion and is not affected by temperature extremes or fire.

The cross sectional profile of the spiral wall tie includes a wide portion, to maximize grip, and a narrow portion, to accommodate differential movements in all directions. The deep and continuous helical troughs prevent migration of water across the cavity.

When under load, the continuous helical blades interact with the host building material to impart an accumulative cone of forces at tangential angles to the helix.

Loads are spread evenly along the full penetrative length of the tie to ensure reliability of connection in a wide variety of construction materials.

- **Rapid cost effective installation**
- **Precise helical interlock anchorage**
- **Combines axial strength with flexibility**
- **Stable, reliable & unobtrusive**



Product specification

Product: Wykamol 9mm \varnothing CD Tie

Lengths (mm): 230,255mm

Material: Austenitic Stainless steel - (304)

Ultimate Tensile Strength: => 15kN

Buckling Strength (over 100mm): => 4.4kN

Pitch Deviation on Tie: < 0.5%

Expansion Force Exerted byTie: = none

MATERIAL	PILOT \varnothing	DEPTH	LOAD
Aircrete >3.5N/mm ²	none	85mm	1.9kN
Brick >10N/mm ²	6mm	75mm	2.6kN
Concrete >20N/mm ²	6mm	50mm	2.3kN

Method statement

1. DRILL pilot hole of appropriate diameter using a light percussive hammer drill. Stop drill rotating prior to drilling the remote wall layer to prevent 'whipping'.

2. Insert 9mm \varnothing Wykamol CD wall tie into SDS support tool and **DRIVE** the tie into the masonry using a lightweight roto-hammer drill.

3. Once tool recesses the tie beneath the wall face **FINISH** by disguising entry bore with suitable filler compacted around the ties driving shank portion.