

Twistfix Mechanical Wall Ties

Fixing Instructions

1. Drill an 11mm hole to a minimum depth of 70mm into the inner leaf. Remove dust and debris,
2. Insert Neoprene Tie key into drill and fit over the torque nut. Run nut slowly down the bar until resistance is met – the tie is now fixed. Do not over tighten. Ideally drills should be run at a slow speed and high torque setting for the most efficient fix.
3. To put ties in manually fix the manual key onto the special torque nut and turn clockwise until the tie is fitted. Initial resistance will be met then give way temporarily when the torque nut moves down the bar to engage the outer leaf. This is normal and resistance will again be met whilst the outer leaf is tightening. When fitted remove the manual key.



STAINLESS STEEL

- A4 316 or A2 304 grade M5 bar with brass locking nuts, washers and anti-slip knurled nut.

NEOPRENE EXPANSIONS

- The inner neoprene spreader has oversized ridges to create an immediate grip on the wall of the hole removing the reliance on the knurled nut to hold whilst the inner section of the tie is expanded.
- To reduce damage to the brickwork and to allow for movement between the two leaves without reducing any performance in tension. A drip ring is fitted.

DRILL DIAMETER

- 10-11mm into normal brick and blockwork.
- 10-11mm into outer leaf only if Stock or Accrington brick.
- Minimum depth of drill hole into the inner leaf – 70mm.



PULL OUT STRENGTHS IN KN

Stock or Accrington Brick	2.9Kn
Common Brickwork	2.7Kn
Blockwork	2.1Kn
Soft Blockwork	1.9Kn
40N Concrete	3.0Kn
30N Concrete	2.7Kn