

# **METHOD STATEMENT**

**FOR**

**ANCHOR TESTING**

# **PULL-OUT TEST OF HILTI ANCHORING SYSTEM USING MARK 4 TESTER**

**A pull out force applied to the anchor by means of a center pull mechanical actuated jack. Restricted to anchors with diameter  $\leq 12\text{mm}$  and desired load of  $\leq 16\text{kN}$ .**

- 1. Select the size of circular nut corresponding to the thread size of the test fixing.**
- 2. Check to ensure that the tension is fully released by turning the hand wheel anti-clockwise.**
- 3. Slide the HILTI Mark 4 Tester in position of the anchoring system. The hook-slot should pass the circular nut up to the stop plate.**  
**\*\*Note: Additional plate with opening wider than the hook-slot of opening of the Mark 4 Tester may be used if necessary for uneven surfaces or as an extension for longer protruding fixing.**
- 4. Set the red indicator needle to zero.**
- 5. Hold the Mark 4 Tester firmly and turn the hand wheel clockwise. Continue the turning until the desired tensile load (kN) is achieved.**
- 6. Once the reading has stabilized at the desired tensile load (kN), observe that the reading is held for 1 minute before releasing the Mark 4 Tester.**



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