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WBS TEST & ACCEPTANCE CRITERIA
PD.

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Sheet 1 of 1

TEST CODE SHEET

1. TYPE OF TEST(S)

Torque - operating mechanism.

2. BYELAW REQUIREMENT FOR FITTINGS (See application list below)

Byelaw 52

Every water fitting shall be constructed of materials, the nature, the strength and thickness of which.....will prevent, so far as is reasonably practicable, damage from(a) any external load: (b).....stress.....

Byelaw 87

Every draw-off tap.....shall.....(b) be made and designed so that it may be easily closed to shut off the flow of water.....

3. BRITISH STANDARDS OR WATER SPECIFICATION, DEEMED TO SATISFY BYELAW REQUIREMENTS

(See Water Supply Byelaw Guide)

3.1 Fittings with 'kitemarks' which are deemed to satisfy the requirements of byelaws are listed in the directory.

4. TEST PROCEDURE

4.1 Tests applicable to the following fittings:-

TAPS - draw-off
- all types, metal and plastics

(A) DRAW-OFF TAPS, WITH METAL OR PLASTICS BODIES

TEST METHOD

Operating mechanism torque test.

The test defined below is a type test (laboratory test) and not a quality control test during production. It shall be carried out before the mechanical endurance test. The principle of this test consists of submitting the operating mechanism to a given torque so as to verify its strength. The apparatus consists of either a torque wrench having an accuracy of 10% fitted to the operating member or a lever arm and a device for measuring the force applied. Ensure that the shear force does not affect the measurement.

The tap with its operating mechanism but with the seat washer removed shall not be supplied with water during the test. Apply a torque of 6 ± 1.0 Nm for a period of 5 minutes \pm 30 seconds in both opening and closing positions.

5. ACCEPTANCE CRITERIA

Throughout the duration of the test and at the end of the test there shall be no permanent deformation or loosening of any part of the valve.