

<b>Test Code Sheet Number</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>5</b>
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WBS TEST & ACCEPTANCE CRITERIA PD.

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TEST CODE SHEET

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**1. TYPE OF TEST(S)**

Deformation (Boss distortion)

**2. BYELAW REQUIREMENT FOR FITTINGS**

Byelaw 42

Every float operated valve installed in any cistern or other apparatus shall - (a) be capable of controlling the flow of water into that cistern or apparatus.....

Byelaw 52

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

**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**

Note Unless stated otherwise the temperature of the test fluid shall be  $20 \pm 10^\circ\text{C}$ .

4.1 Tests applicable to the following fittings:-

**FLOATS** for float operated valves, all applications  
- plastics

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**(A) FLOATS FOR FLOAT VALVES (PLASTICS) (Derived from BS 2456, Section 4.5, Appendix F).**

Boss test. This test determines the resistance of the boss to distortion and should be tested by the method specified below;

APPARATUS

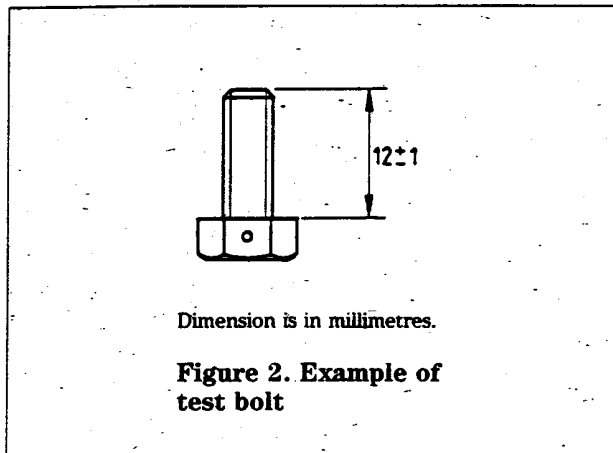
The following apparatus is required:

- (i) A clamp capable of holding the loaded float specimen.
- (ii) A hexagon-headed bolt having a thread and length and length of appropriate diameter (See Figure 2).
- (iii) A torque spanner capable of imparting a torque of  $1.7 \text{ Nm} \pm 0.3 \text{ Nm}$ .
- (iv) A  $10 \pm 0.1 \text{ kg}$  weight.

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#### TEST METHOD

- (i) Clamp the specimen float so that the boss is vertically downwards.
- (ii) Screw in the bolt and apply a torque of  $1.7 \pm 0.3$  Nm.
- (iii) Observe and report any damage to the boss.
- (iv) Hang a  $10 \pm 0.1$ kg weight co-axially on the bolt.
- (v) Hold for a period of 5 mins  $\pm$  10 secs.

#### 5. ACCEPTANCE CRITERIA

When tested by the method described above there shall be no visible distortion or damage to the boss and/or the float, and afterwards the fitting shall be capable of meeting the acceptance criteria of Test Code Sheet 5013.3.