

<b>Test Code Sheet Number</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>15</b>
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TEST CODE SHEET

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

Tension - (Resistance to pull-out of assembled joints - single pull.)

2. **WATER REGULATIONS REQUIREMENTS FOR FITTINGS**

Schedule 2

3. Every water fitting shall -  
(b) be constructed of materials of such strength and thickness as to resist damage from any external load, vibration, stress or settlement, pressure surges, or temperature fluctuation to which it is likely to be subjected.

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

- 3.1 At present no British Standard or Water Industry specification exists.

4. **TEST PROCEDURE**

- 4.1 Tests applicable to the following fittings:-

**'PUSH-FIT' FITTINGS FOR USE WITH METRIC POLYETHYLENE TUBE - above and below ground**

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(A) **'PUSH-FIT' FITTINGS FOR USE WITH METRIC POLYETHYLENE TUBE - ABOVE AND BELOW GROUND**

TEST METHOD

The test specimen shall consist of the fitting or fittings to be tested, assembles with one or more pieces of polyethylene pipe of the size and quality for which the fitting is designed. Blue polyethylene for below or black polyethylene for above ground. Each piece of pipe shall be at least 300mm in length. Assembly of the fittings shall be in accordance with the manufacturers assembly instructions..

Mount the test specimens securely to the tensile test apparatus in accordance with setting-up procedure IGN 1-50-72. Select from Table 'A' the appropriate test force for pipe size and fitting under test.

Apply the tensile force gradually over a period of 15 - 30 seconds. Hold the specimen in constant tension for a period of 5 mins + 30 s, - 0 secs and at a temperature of  $23 \pm 2^{\circ}\text{C}$ .

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Nominal pipe size (mm)	20	25	32	50	63
Test Force (KN)	1.9	2.5	4.1	9.8	15.6

Table 'A' - Test forces for single pull-out tests

5. **ACCEPTANCE CRITERIA**

The fitting shall not fracture or cause tearing of the pipe.

The maximum permanent axial movement of the pipe relative to the fitting body shall not exceed half the nominal pipe size in mm.

The fitting will be deemed to have passed if the pipe 'necks' prior to completion of the test.