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**BS 336:2010**



BSI Standards Publication

# Specification for fire hose couplings and ancillary equipment

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### **Publishing information**

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### **Supersession**

BS 336:2010 supersedes BS 336:1989, which is withdrawn.

### **Information about this document**

Although dimensions are given in metric terms, screwed and instantaneous couplings and connectors manufactured in accordance with this specification are interchangeable with existing couplings.

The figures are included in the main body of the specification, so that reference may be made readily to a requirement in the text and to the relevant information in tables and figures.

A minimum bore for delivery hose couplings is specified to assist with the specification of hose repair tools which have to pass through the couplings.

Delivery hose components are suitable for use with layflat hose conforming to BS 6391, suction hose components are suitable for use with hose conforming to BS 3165 or BS EN ISO 14557, and hose reel fittings are suitable for use with hose conforming to BS EN 1947. Hand-controlled branchpipes are covered by BS EN 15182.

### **Presentational conventions**

The provisions of this standard are presented in roman (i.e. upright) type. Requirements are expressed in sentences in which the principal auxiliary verb is "shall".

Where optional recommendations are included, they are expressed in sentences in which the principal auxiliary verb is "should".

*Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.*

### **Contractual and legal considerations**

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a British Standard cannot confer immunity from legal obligations.**

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## 1 Scope

This British Standard specifies requirements for couplings, connectors and other components for use with delivery hose conforming to BS 6391 and suction hose conforming to BS 3165 or BS EN ISO 14557, suitable for firefighting purposes up to a working pressure not exceeding 16 bar. It also applies to other items of equipment associated with the use of firefighting hose.

Annex A to Annex E specify methods for testing various aspects of performance. Annex F lists the standards specifying the materials for components listed in Table 2a).

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 750:2006, *Specification for underground fire hydrants and surface box frames and covers*

BS 970-4, *Specification for wrought steels for mechanical and allied engineering purposes – Part 4: Valve steels*

BS 1134 (both parts), *Assessment of surface texture*

BS 1154, *Specification for natural rubber compounds*

BS 1473, *Specification for wrought aluminium and aluminium alloys for general engineering purposes – Rivet, bolt and screw stock*

BS 1474, *Specification for wrought aluminium and aluminium alloys for general engineering purposes – Bars, extruded round tubes*

BS 1580-1:2007, *Unified screw threads – Part 1: Screw threads with diameters  $\frac{1}{4}$  in and larger – Requirements*

BS 2090:1954, *Aluminium alloy AL-P2024-T3 – Clad sheet and strip –  $0,3 \text{ mm} \leq a \leq 6 \text{ mm}$*

BS 2752, *Specification for chloroprene rubber compounds*

BS 3102, *Specification for brass eyelets and washers for general purpose*

BS 3165, *Specification for rubber and plastics suction hoses and hose assemblies for fire-fighting purposes*

BS 3734-1, *Rubber – Tolerances for products – Part 1: Dimensional tolerances*

BS 4422, *Fire – Vocabulary*

BS 5163-2, *Valves for waterworks purposes – Part 2: Stem caps for use on isolating valves and associated water control apparatus – Specification*

BS 5599, *Specification for hard anodic oxide coatings on aluminium for engineering purposes*

BS 6017, *Specification for copper refinery shapes*

BS 6282, *Devices with moving parts for the prevention of contamination of water by backflow*