

Australian Standard[®]

Fire hose reels

This Australian Standard was prepared by Committee FP/7, Fire Hose Reels. It was approved on behalf of the Council of Standards Australia on 5 December 1990 and published on 28 March 1991.

The following interests are represented on Committee FP/7:

Australian Assembly of fire Authorities
Australian Uniform Building Regulations Co-ordinating Council
Commonwealth Fire Board
Confederation of Australian Industry
Fire Protection Industry Association of Australia
Insurance Council of Australia
Plastics Industry Association
Telecom Australia
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PREFACE

This Standard was prepared by the Standards Australia Committee on Fire Hose Reels to supersede AS 1221—1989.

Alterations to the previous editions are as follows:

- (a) The format has been changed to comply with Standards Australia style.
- (b) Consistency has been sought in the naming of the component parts of a fire hose reel. The parts' names have also been added to the figures contained in this Standard. The use of the word 'assembly', in the description of a component part, has been discontinued.
- (c) Clause 2.2.2, which specifies requirements for nozzles, has been substantially revised to more clearly identify the requirements for different types of nozzles.
- (d) The material specification of waterways of the spigot or shaft, contained in Clause 2.2.4.4, has been extended to include galvanized or plated carbon steel.
- (e) The performance requirements, contained within Section 3 of this Standard, and particularly the information provided within the Appendices, have been revised to provide clarity to the various test requirements.

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STANDARDS AUSTRALIA

**Australian Standard
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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies requirements for the design, construction, and performance of fixed and swing fire hose reels.

1.2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

1180 Methods of test for hose made from elastomeric materials

1180.4B Method 4B: Ply adhesion—Autographic method

1180.5A Method 5A: Hydrostatic pressure—Burst test

1275 Metric screw threads for fasteners

1722 Pipe threads of Whitworth form

1722.1 Part 1: Sealing pipe threads

1851 Maintenance of fire protection equipment

1851.2 Part 2: Fire hose reels

2441 Installation of fire hose reels

2554 Hose and hose assemblies for air

2700 Colour standards for general purposes

1.3 DEFINITIONS For the purpose of this Standard, the definitions below apply.

1.3.1 Approved—approved by the regulatory authority.

1.3.2 Regulatory authority—a Minister of the Crown, a government department, or other public authority having power to issue regulations, orders, or other instructions in respect of any subject covered by this Standard.

1.3.3 Fire hose reel—an assembly consisting essentially of a hose, nozzle, drum, inlet pipe, connection fitting, stop valve and, where required, a hose guide.

1.3.4 Fixed fire hose reel—a fire hose reel which is permanently fixed to a structure.

1.3.5 Swing fire hose reel—a fire hose reel which is hinged on a structure so that it can be swung out.

1.3.6 Automatic fire hose reel—a fixed or swing fire hose reel whereby the stop valve is operated automatically by the rotation of the drum when the hose is withdrawn or rewound.

1.3.7 Manual fire hose reel—a fixed or swing fire hose reel whereby the stop valve is operated manually.

1.3.8 Jet—an undispersed stream of water emitted by the nozzle.

1.3.9 Spray—a stream of water dispersed into small droplets by the nozzle.