

Australian/New Zealand Standard™

Fire hose reels

AS/NZS 1221:1997

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee FP-007, Fire Hose Reels. It was approved on behalf of the Council of Standards Australia on 5 September 1997 and on behalf of the Council of Standards New Zealand on 19 September 1997. It was published on 5 November 1997.

The following are represented on Committee FP-007:

Association of Hydraulic Services Consultants Australia
Australasian Fire Authorities Council
Australian Association of Certification Bodies
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Fire Protection Association Australia
Fire Protection Association New Zealand
New Zealand Fire Equipment Association
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Fire hose reels

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP-007 on Fire Hose Reels. This Standard supersedes AS 1221—1991 Fire hose reels and NZS 4504—1981 Specifications for fire hose reels.

This Standard incorporates Amendment 1 (January 2003). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure, or part thereof affected.

The objective of this Standard is to provide specific requirements for fire hose reels to meet the requirements of the appropriate regulatory authority when used in Australia and New Zealand.

It provides requirements for design, construction and performance of fixed and swing type fire hose reels.

It does not include location, installation or maintenance of fire hose reels since these subjects are covered in other Standards.

Hose reels used in Australia are usually fitted with 19 mm nominal diameter hose and those used in New Zealand are usually fitted with 13 mm nominal diameter hose. In cases where the ability to operate at lower inlet pressures or higher flow rates is desirable, a hose reel fitted with a 25 mm nominal diameter hose may be necessary. Hose reels fitted with 25 mm nominal diameter hose are required by some regulatory authorities.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**Fire hose reels**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for design, construction and performance of fixed and swing arm type fire hose reels intended for use by one operator.

It does not include requirements for location or maintenance of fire hose reels since these subjects are covered in other Standards.

NOTES:

- 1 Methods for demonstrating compliance with this Standard are given in Appendix 'A'.
- 2 A fire hose reel is generally referred to in this document as a hose reel' or 'the hose reel'.

1.2 NEW DESIGNS AND INNOVATIONS

Any alternative materials, designs, methods of assembly, procedures and the like that do not comply with specific requirements of this Standard or are not mentioned in it, but that give equivalent results to those specified are not necessarily prohibited, but the specified approval remains the prerogative of the regulatory authority.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

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| 1180 | Methods of test for hose made from elastomeric materials |
| 1180.4B | Method 4B: Ply adhesion—Autographic method |
| 1180.5 | Method 5: Hydrostatic pressure test |
| 1199 | Sampling procedures and tables for inspection by attributes |
| 1399 | Guide to AS 1199—Sampling procedures and tables for inspection by attributes |
| 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 |
| 2706 | Numerical values—Rounding and interpretation of limiting values |

BS

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| 21:1973 | Pipe threads for tubes and fittings where pressure-tight joints are made on the threads |
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