

Australian Standard™

## Installation of fire hose reels



This Australian Standard was prepared by Committee FP-007, Fire Hose Reels. It was approved on behalf of the Council of Standards Australia on 27 October 2005. This Standard was published on 24 November 2005.

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The following are represented on Committee FP-007:

Australian Building Codes Board  
Australasian Fire Authorities Council  
Australian Chamber of Commerce and Industry  
Association of Hydraulic Services Consultants Australia  
Certification Interests (Australia)  
Fire Protection Association Australia  
Fire Protection Association, New Zealand  
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## Installation of fire hose reels

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP-007, Fire Hose Reels, to supersede AS 2441—1988.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide users of fire hose reels with specific requirements for their installation. It provides requirements for the protection of fire hose reels in external situations, mounting requirements and clarifies the commissioning procedure.

This edition includes the following changes:

- (a) Additional terms defined for clarity.
- (b) Flow rates clearly mentioned for different sizes.
- (c) New requirements to protect the pipes from mechanical damage and low temperature.

This Standard will be referenced in the Building Code of Australia 2006 (BCA 2006) thereby superseding AS 2441—1988, which will be withdrawn 12 months from the date of publication of this Standard.

Notes to the text contain information and guidance. They are not an integral part of the Standard.

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STANDARDS AUSTRALIA

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**Australian Standard**  
**Installation of fire hose reels**

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## 1 SCOPE

This Standard specifies requirements for the distribution, location and installation of fire hose reels.

NOTE: Requirements for the maintenance of fire hose reels are set out in AS 1851 (see Appendix A)

## 2 APPLICATION

The requirements of this Standard apply to the location and installation of fire hose reels.

## 3 REFERENCED DOCUMENTS

### AS

- |         |   |
|---------|---|
| 2118    | Automatic fire sprinkler systems—General requirements                 |
| 2362    | Fire detection, warning, control and intercom systems—Methods of test |
| 2362.24 | Part 24: Frangibility test  |
| 2419    | Fire hydrant installations  |
| 2419.1  | Part 1: System design, installation and commissioning                 |
| 2700    | Colour standards for general purposes                                 |
| 2941    | Fixed fire protection installations—Pumpset systems                   |

### AS/NZS

- |      |                 |
|------|-----------------|
| 1221 | Fire hose reels |
|------|-----------------|

- |     |                            |
|-----|----------------------------|
| BCA | Building Code of Australia |
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## 4 DEFINITIONS

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

### 4.1 Class A fires

Fires that involve carbonaceous solids.

### 4.2 Hazard classes

#### 4.2.1 High hazard

A class of hazard wherein the amount and type of combustibles present are such that fires of large initial size may be expected. Typical high hazards include woodworking areas, warehouses with high-piled storage in excess of 4.5 m, foam plastics processing and storage which constitutes a Class A fire risk.

NOTE: Special consideration should be given to occupancies, which, because of their high-fuel load, may more correctly be allocated a higher hazard class.

#### 4.2.2 Light hazard

A class of hazard wherein the amount and type of combustibles present are such that fires of only small initial size may be expected. Typical light hazards include premises such as domestic/residential, offices, schoolrooms, churches and assembly halls which constitute a Class A fire risk.



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