

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.

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
 - Insurance Council of New Zealand
 - New Zealand Fire Equipment Association
 - Property Council of Australia
 - Telstra Corporation
-

This Standard was issued in draft form for comment as DR 05069.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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RECONFIRMATION
OF
AS 2441–2005
Installation of fire hose reels

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 29 August 2018.

NOTES

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First published as part of AS CA18—1968.
Revised and redesignated as part of AS 1851.2—1976.
AS 1851.2—1976, revised and redesignated AS 2441—1981.
Fourth edition 2005.
Reissued incorporating Amendment No. 1 (May 2009).

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Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia
ISBN 0 7337 7009 6

PREFACE

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

This Standard incorporates Amendment No. 1 (May 2009). 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.

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

Australian Standard
Installation of fire hose reels

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 |
| 3500 | Plumbing and drainage |
| 3500.1 | Part 1: Water services |

BCA Building Code of Australia

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.