

Under revision as DR 86096

SUPERSEDED BY

AS 1221-1989

AS 1221-1983
UDC 621.843:621.643.3

↳ 614.843.2 : 614.843.6

Australian Standard 1221—1983

FIRE HOSE REELS



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter



This Australian standard was prepared by Committee FP/7, Fire Hose Reels. It was approved on behalf of the Council of the Standards Association of Australia on 29 March 1983 and published on 6 June 1983.

The following interests are represented on Committee FP/7:

Board of Fire Commissioners of New South Wales
Building Owners and Managers Association of Australia Limited
Commonwealth Fire Board
Confederation of Australian Industry
Country Fire Authority, Victoria
Department of Defence
Department of Transport and Construction
Fire Protection Industry Association of Australia
Insurance Council of Australia
Plastics Institute of Australia Inc.
Telecom Australia

To keep abreast of progress in industry, Australian standards are subject to continuous review and are kept up-to-date by the issue of amendments or new editions as necessary. It is important therefore that standards users ensure that their standards are up-to-date. Full details of all SAA publications will be found in the Annual List of Australian Standards; these details are supplemented by listings in the SAA monthly journal 'The Australian Standard'. Information on the Annual List and 'The Australian Standard' may be obtained from any sales office of the Association, where details are also available of the current status of individual standards. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

AUSTRALIAN STANDARD

FIRE HOSE REELS

AS 1221—1983

First issued (as AS A155)	1966
Metric revision issued as AS 1221	1972
Second edition	1976
Third edition	1981
Fourth edition	1983

**PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.**

ISBN 0 7262 2991 1



PREFACE

This edition of this standard was prepared by the Association's Committee on Fire Hose Reels to supersede AS 1221—1981.

This edition includes changes as follows:

- Clause 2.1 — The internal dimensions of fire hose have been amended.
- Clause 3.2.3.1 — The requirements for the date stamp on the nozzle assembly have been amended.
- Clause 4.3.2 — The strength test has been clarified.
- Clause 5.1 — An additional marking requirement for the length of hose has been specified.
- Clause 5.2 — A new clause has been included detailing installation instructions to be supplied with each hose reel.
- Paragraph A2 — The dimension 'x' has been clarified.
- Fig. A1 — The diagram from the previous edition has been improved.

In addition, in line with current SAA editorial policy the list of referenced standards has been transferred to the body of the standard (new Clause 1.2) and the wording of the note referring to the 'AS Mark' (Clause 5.1) has been changed.

©Copyright — STANDARDS ASSOCIATION OF AUSTRALIA 1983

Users of standards are reminded that copyright subsists in all SAA publications. No part of this publication may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing of the Standards Association of Australia.

CONTENTS

	<i>Page</i>
SECTION 1. SCOPE AND GENERAL	
1.1 Scope	4
1.2 Referenced Documents	4
1.3 Definitions	4
1.4 Materials	4
SECTION 2. HOSE	
2.1 Size and Type	5
2.2 Construction	5
2.3 Reinforcement	5
2.4 UV Inhibitors	5
2.5 Resistance to Bursting	5
2.6 Length of Hose	5
2.7 Colour Identification	5
SECTION 3. HOSE REEL ASSEMBLY	
3.1 General	6
3.2 Components	6
3.3 Screw Threads	7
3.4 Finish	7
3.5 Colour Identification	7
3.6 Operating Pressure	7
SECTION 4. TESTING	
4.1 General	9
4.2 Pressure Test	9
4.3 Reel Strength Test	9
4.4 Reel Unwind Test....	9
4.5 Discharge Test	9
SECTION 5. MARKING AND INSTRUCTIONS	
5.1 Marking	10
5.2 Installation Instructions	10
APPENDIX A. SIDE PLATE STRENGTH TEST	12

STANDARDS ASSOCIATION OF AUSTRALIA

**Australian Standard
for
FIRE HOSE REELS**

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard specifies requirements for the design, construction and performance of fixed mounted fire hose reels of the fixed and swing types, which are intended for permanent connection to a water supply and to facilitate the swift withdrawal of the hose in any direction with the reel axis horizontal.

NOTES:

1. For installation of fire hose reels, see AS 2441.
2. For maintenance of fire hose reels, see AS 1851, Part 2.

1.2 REFERENCED DOCUMENTS. The following standards are referred to in this standard:

- AS 1275 Metric Screw Threads for Fasteners (Based on ISO Recommendations)
- AS 1722 Pipe Threads of Whitworth Form
Part 1—Sealing Pipe Threads
- AS 1851 Maintenance of Fire Protection Equipment
Part 2—Fire Hose Reels
- AS 2441 Installation of Fire Hose Reels
- AS K185 Colours for Specific Purposes

1.3 DEFINITIONS. For the purpose of this standard, the following definitions apply:

1.3.1 Fixed mounted fire hose reel—an assembly consisting essentially of a reel, hose, hose guide, nozzle assembly, valve assembly, connecting union and pipework.

NOTE: The connecting union and hose guide may not be required in swing type hose-reels (see Fig. 3.2).

1.3.2 Jet—a solid stream of water.

1.3.3 Spray—a stream of water which has been broken into small droplets by the nozzle.

1.4 MATERIALS. The materials used shall comply with recognized specifications.