

AS/NZS 1892.1:1996

Australian/New Zealand Standard®

Portable ladders

Part 1: Metal

AS/NZS 1892.1:1996

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF/34, Portable Ladders. It was approved on behalf of the Council of Standards Australia on 8 February 1996 and on behalf of the Council of Standards New Zealand on 19 February 1996. It was published on 5 August 1996.

The following interests are represented on Committee SF/34:

Aluminium Development Council
Australian Chamber of Manufactures
Composites Institute of Australia
Department of Consumer Affairs, N.S.W.
Department of Occupational Health, Safety and Welfare W.A.
Federal Bureau of Consumer Affairs
Ladder Manufacturers Association of Australia
Metal Trades Industry Association of Australia
New Zealand Manufacturers Federation
University of New South Wales
Wellington Manufacturers Association

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic 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 they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS/NZS 1892.1:1996

Australian/New Zealand Standard®

Portable ladders

Part 1: Metal

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Radio New Zealand House,
155 The Terrace,
Wellington 6001 New Zealand

ISBN 0 7337 0415 8

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF/34 on Portable Ladders, to supersede AS 1892.1—1986, *Portable ladders*, Part 1: *Metal* and (in part) NZS 5233:1986, *Specification for portable ladders (other than timber ladders)*.

This Standard is one of a series of joint Australian/New Zealand Standards covering the safe design, manufacture and use of portable ladders and attachments. Other Standards in the series are as follows:

AS

1892 Portable ladders

1892.2 Part 2: Portable ladders—Timber

AS/NZS

1892.3 Part 3: Portable ladders—Reinforced plastics

In this edition, the test methods have been included as a set of appendices. The methods of performing the tests have not changed greatly; however, in the light of experience gained from the 1986 edition the methods have been clarified.

Included for the first time in this edition are specific requirements and test methods for multipurpose ladders. This was agreed by the Committee in view of the increasing popularity of this type of ladder.

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.

During preparation of this Standard, reference was made to the Standards listed below. Acknowledgment is made of the assistance received from these sources:

ANSI A 14.2—1990 Specific requirements for portable metal ladders.

BS 2037 (1984) Portable aluminium ladders, steps, trestles and lightweight stagings.

CAN3-Z11-M81 Portable ladders

NZS 5233—1986 Specification for portable ladders (other than timber ladders)

© Copyright — STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

CONTENTS

Page

SECTION 1 SCOPE AND GENERAL

1.1	SCOPE	6
1.2	OBJECTIVE	6
1.3	APPLICATION	6
1.4	PARTICULAR REQUIREMENTS	6
1.5	REFERENCED DOCUMENTS	6
1.6	DEFINITIONS	7

SECTION 2 GENERAL REQUIREMENTS

2.1	DESIGN AND CONSTRUCTION	10
2.2	RATINGS	10
2.3	MATERIALS	10
2.4	QUALITY OF MANUFACTURE AND FINISH	10
2.5	STILES	10
2.6	TREADS AND RUNGS	11
2.7	MARKING	12

SECTION 3 PARTICULAR REQUIREMENTS FOR SINGLE LADDERS

3.1	LENGTH	13
3.2	DISTANCE BETWEEN STILES	13
3.3	PERFORMANCE	13

SECTION 4 PARTICULAR REQUIREMENTS FOR EXTENSION LADDERS

4.1	LENGTH	14
4.2	EXTENSION OF STILE ABOVE TOP RUNG	14
4.3	DISTANCE BETWEEN STILES	14
4.4	OVERLAP	14
4.5	STOPS	14
4.6	FITTINGS	14
4.7	LIFTING DEVICES	15
4.8	PERFORMANCE	15

SECTION 5 PARTICULAR REQUIREMENTS FOR STEPLADDERS

5.1	LENGTH	16
5.2	DISTANCE BETWEEN STILES	16
5.3	BACK LEGS	16
5.4	SPREAD BETWEEN STILES AND BACK LEGS	16
5.5	BEARING AREA OF FEET	16
5.6	TREADS	17
5.7	SPREADER	17
5.8	TOP CAP	17
5.9	PERFORMANCE	17

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-