

Australian Standard™

Lifts, escalators and moving walks

**Part 14: Low rise platforms for
passengers**

This Australian Standard was prepared by Committee ME/4, Lift Installations. It was approved on behalf of the Council of Standards Australia on 30 January 1998 and published on 5 May 1998.

The following interests are represented on Committee ME/4:

A.C.T. WorkCover
Association of Consulting Engineers, Australia
Association of Independent Lift Companies
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Elevator Association
Department of Industrial Affairs, S.A.
Department of Training and Industrial Relations, Qld
Institution of Engineers, Australia
Metal Trades Industry Association of Australia
New Zealand Lifts and Escalator Association
Property Council of Australia
Victorian WorkCover Authority
Work Health Authority, N.T.
WorkCover Authority, N.S.W.
Workplace Standards Authority, Tas.
WORKS Australia Department of Administrative Services
WorkSafe Western Australia

Review of Australian Standards. To keep abreast of progress in industry, Australian 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 Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

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

This Standard was issued in draft form for comment as DR 96558.

Australian Standard™

Lifts, escalators and moving walks

**Part 14: Low rise platforms for
passengers**

Originated as AS 1735.14—1990.
Second edition 1998.

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/4, Lift Installations, to supersede AS 1735.14—1990.

This Standard is the result of a consensus among representatives on the Joint Committee to produce it as an Australian Standard.

The objective of the Standard is to provide requirements for powered low-rise vertically lifted platforms which are primarily intended for use by persons with limited mobility.

The main objective of this new edition is to expand the scope of the Standard to cover platforms with travel of up to 1000 mm instead of 600 mm.

This Standard is one of a series covering lifting devices that are able to assist persons with limited mobility; others in the series are as follows:

AS

- 1735 Lifts, escalators and moving walks
- 1735.2 Part 2: Passenger and goods lifts—Electric
- 1735.3 Part 3: Passenger and goods lifts—Electrohydraulic
- 1735.7 Part 7: Stairway lifts
- 1735.8 Part 8: Inclined lifts
- 1735.12 Part 12: Facilities for persons with disabilities
- 1735.13 Part 13: Lifts for persons with limited mobility—Manually powered
- 1735.15 Part 15: Lifts for people with limited mobility—Restricted use—Non-automatically controlled
- 1735.16 Part 16: Lifts for people with limited mobility—Restricted use—Automatically controlled
- 1735.17 Part 17: Lifts for people with limited mobility—Restricted use—Water-drive

The terms 'normative' and 'informative' have been used in the 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.

© Copyright – STANDARDS AUSTRALIA

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

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

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no 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 at any time.

CONTENTS

	<i>Page</i>
1 SCOPE	4
2 APPLICATION	4
3 REFERENCED DOCUMENTS	4
4 DEFINITIONS	5
5 DESIGN LIMITATIONS	5
6 MATERIALS	6
7 DRIVING MACHINES	6
8 SUSPENSION SYSTEMS AND SUPPORTING SYSTEMS	7
9 OPERATING CLEARANCES	10
10 GUIDES AND BUILDING SUPPORTS	10
11 GUIDE SHOES	10
12 STOPS	10
13 PLATFORMS	10
14 LANDING PROTECTION	11
15 CONTROL DEVICES	12
16 ELECTRICAL	12
17 LIGHTING	13
18 EMERGENCY COMMUNICATION	13
19 NOTICES	13
 APPENDICES	
A INSPECTION	15
B GUIDE FOR SELECTION OF LIFT TYPE	15
C SCREW-DRIVEN MACHINES	16

STANDARDS AUSTRALIA

Australian Standard

Lifts, escalators, and moving walks

Part 14: Low-rise platforms for passengers

1 SCOPE This Standard specifies requirements for powered low-rise vertically lifting platforms for passengers. The platforms may be controlled by automatic or constant pressure devices.

This Standard is complementary to AS 1735.1, but the requirements of this Standard take precedence over corresponding requirements of that Standard.

Inspection requirements are given in Appendix A.

NOTE: Guidance on selection of lift types is given in Appendix B.

2 APPLICATION Lifts complying with this Standard are intended for passengers and wheelchair applications only. Goods shall not be carried.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- 1403 Design of rotating steel shafts
- 1532 Short pitch transmission precision roller chains and chain wheels
- 1657 Fixed platforms, walkways, stairway and ladders—Design, construction and installation
- 1735 Lifts, escalators and moving walks
- 1735.1 Part 1: General requirements
- 1735.2 Part 2: Passenger and goods lifts—Electric
- 1735.3 Part 3: Passenger and goods lifts—Electrohydraulic
- 1735.7 Part 7: Stairway lifts
- 1735.13 Part 13: Lifts for persons with limited mobility—Manually powered
- 1735.15 Part 15: Lifts for people with limited mobility—Restricted use—Non-automatically controlled
- 1735.16 Part 16: Lifts for persons with limited mobility—Restricted use—Automatically controlled
- 1735.17 Part 17: Lifts for people with limited mobility—Restricted use—Water-drive
- 1979 Electric cables—Lifts—Flexible travelling
- 3000 Electrical installations—Buildings, structures and premises (known as the SAA Wiring Rules)
- 3569 Steel wire ropes