

Australian Standard®

Lifts, escalators, and moving walks

**Part 14: Lifts for people with
limited mobility—Restricted use—
Low-rise platforms**

This Australian Standard was prepared by Committee ME/4, Lift Installations. It was approved on behalf of the Council of Standards Australia on 29 March 1990 and published on 4 June 1990.

The following interests are represented on Committee ME/4:

ACT Administration
Association of Consulting Engineers, Australia
Association of Independent Lift Companies
Australian Assembly of Fire Authorities
Australian Chamber of Commerce
Australian Uniform Building Regulations Coordinating Council
Building Owners and Managers Association of Australia
Confederation of Australian Industry
Department of Administrative Services
Department of Employment, Vocational Education, Training and Industrial Relations, Qld
Department of Labour, S.A.
Department of Labour, Vic.
Department of Labour and Industry, Tas.
Department of Occupational Health, Safety and Welfare, W.A.
Department of Public Works, N.S.W.
Institution of Engineers, Australia
Insurance Council of Australia
Lift Manufacturers Association of Australia
Metal Trades Industry Association of Australia
Royal Australian Institute of Architects
Work Health Authority, N.T.
WorkCover Authority, NSW

Additional interests participating in preparation of Standard:

ACROD
Technical Aid to the Disabled

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This Standard was issued in draft form for comment as DR 87264.

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Low-rise platforms**

First published as AS 1735.14—1990.

PREFACE

This Standard was prepared by the Standards Australia Committee on Lift Installations. It was requested by manufacturers and users of lifts, statutory authorities for lifts, and interests concerned for persons having limited mobility, for the purposes of safety and uniformity.

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

AS

1735 SAA Life Code

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 lifts

A draft Standard, as an additional Part of AS 1735, to cover automatically controlled lifts with restricted use for people with limited mobility is being prepared.

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STANDARDS AUSTRALIA

Australian Standard

Lifts, escalators, and moving walks

Part 14: Lifts for people with limited mobility—Restricted use—Low-rise platforms

1 SCOPE. This Standard specifies requirements for powered low-rise vertically lifting platforms. The platforms are capable of being electrically isolated by a key-lockable control.

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

NOTE: Guidance on periodic inspection and testing and on selection of the preferred type of lift are given in Appendices A and B respectively.

2 APPLICATION. It is intended that this Standard be applied only where the platform is used infrequently, primarily by persons with limited mobility.

NOTE: *Installation in other than private locations.* Where installed in other than a single unit dwelling, the Statutory Authority may require the platform to be electrically isolated and the locking means to be kept in the care of a responsible person, whenever the platform is not being used.

3 INNOVATION. It is not intended that the Standard impose unnecessary restrictions on the use of new or unusual materials or methods, provided that they are approved by the Statutory Authority.

4 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
1735	SAA Lift Code
1735.1	Part 1: General requirements
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
3000	SAA Wiring Rules
3569	Steel wire ropes
ISO	
2020	Aerospace—Mechanical system parts—Preformed flexible steel wire rope for aircraft controls—Technical specification
4347	Leaf chains, clevises and sheaves
BS	
2W 11	Specification for aircraft material. Preformed corrosion-resisting steel wire rope

5 DEFINITIONS. For the purpose of this Standard, the definitions given in AS 1735.1 apply.

6 DESIGN LIMITATIONS.

6.1 Speed. The speed of the platform shall be not more than 0.15 m/s.

6.2 Travel. The travel of the platform shall be not more than 600 mm.

6.3 Rated load. The rated load shall be not less than 220 kg per square metre of the floor area of the platform, subject to a minimum of 115 kg.

6.4 Platform size.

6.4.1 Area. The area of the floor of the platform shall be not more than 1.6 m².

6.4.2 Dimensions. The dimensions of the floor of the platform shall be not less than 400 mm × 600 mm.

6.5 Factor of safety.

6.5.1 Other than for driving machines. Other than for driving machines, the factor of safety under rated load conditions based on ultimate strength, for each item of equipment including any supporting structures, shall be not less than the following:

- (a) For structural components, platform frames, and safety gear 5.
- (b) For steel wire rope and its attachments 7.6.