

Australian Standard[®]

Lifts, escalators and moving walks

Part 5: Escalators

This Australian Standard was prepared by Committee ME/4, Lift Installations. It was approved on behalf of the Council of Standards Australia on 23 May 1996 and published on 5 September 1996.

The following interests are represented on Committee ME/4:

ACT WorkCover
Association of Consulting Engineers, Australia
Association of Independent Lift Companies
Australian Assembly of Fire Authorities
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Construction Services, Department of Administrative Services
Australian Uniform Building Regulations Coordinating Council
Building Owners and Managers Association of Australia
Department of Employment, Vocational Education, Training and Industrial Relations, Qld
Department of Industrial Affairs, S.A.
Department of Occupational Health, Safety and Welfare, W.A.
Health and Safety Organisation, Victoria
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME/4 on Lift Installations, to supersede AS 1735.5—1986.

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

The objective of this Standard is to provide requirements for electric escalators that carry passengers. The objective of this revision is to accommodate recent changes in engineering practices and advances in technology.

This Standard forms Part 5 of the AS 1735 series of Standards.

Other Parts in this series are as follows:

- Part 1: General requirements
- Part 2: Passenger and goods lifts—Electric
- Part 3: Passenger and goods lifts—Electrohydraulic
- Part 4: Service lifts—Power-operated
- Part 6: Moving walks
- Part 7: Stairway lifts
- Part 8: Inclined lifts
- Part 9: Special purpose industrial lifts
- Part 10: Tests
- Part 11: Fire-rated landing doors
- Part 12: Facilities for persons with disabilities
- Part 13: Lifts for persons with limited mobility—Manually powered
- Part 14: Lifts for people with limited mobility—Restricted use—Low-rise platforms
- Part 15: Lifts for people with limited mobility—Restricted use—Non-automatically controlled
- Part 16: Lifts for persons with limited mobility—Restricted use—Automatically controlled
- Part 17: Lifts for persons with limited mobility—Restricted use—Water-drive

Revisions and additions contained in the published amendment to the 1986 edition of this Standard, together with subsequent revisions and additions approved by the Committee, have been included in this edition.

Changes of an editorial nature have also been made to bring the Standard in line with current Standards Australia policy.

The term 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

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STANDARDS AUSTRALIA

Australian Standard

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Part 5: Escalators

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard sets out requirements for electric escalators which carry passengers.

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

Requirements for periodic inspection and testing are given in Appendix A.

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

AS

AS 1170 Minimum design loads on structures (known as the SAA Loading Code).

AS 1170.1 Part 1: Dead and live loads and load combinations

1403 Design of rotating steel shafts

1530 Methods for fire tests on building materials, components and structures

1530.1 Part 1: Combustibility tests for materials

1532 Short pitch transmission precision roller chains and chain wheels

1680 Interior lighting

1735 Lifts, escalators and moving walks

1735.1 Part 1: General requirements

1735.2 Part 2: Passenger and goods lifts—Electric

1979 Electric cables—Lifts—Flexible travelling

2052 Metallic conduits and fittings

2053 Non-metallic conduits and fittings

2118 Automatic fire sprinkler systems (known as the SAA Code for Automatic fire sprinkler systems)

2208 Safety glazing materials for use in buildings (human impact considerations)

2700 Colour Standards for general purposes

2784 Endless wedge belt and V-belt drives

3000 Electrical installations—Buildings, structures and premises (known as the SAA Wiring Rules)

3116 Approval and test specification—Electric cables—Elastomer insulated for working voltages up to and including 0.6/1 kV

3147 Approval and test specification—Electric cables—Thermoplastic insulated for working voltages up to and including 0.6/1 kV

3187 Approval and test specification—Mineral-insulated metal-sheathed cables

3191 Approval and test specification—Electric flexible cords

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