Amendment No 1 - July 1989
2 - April 1991 Dup
under Revision see DR 95252

SUPERSEDED BY AS 1735.6 (Int)-1996

AS 1735.6—1986
UDC 621.876-83

# Australian Standard®
# 1735.6—1986

## SAA LIFT CODE
## Part 6—MOVING WALKS

STANDARDS ASSOCIATION OF AUSTRALIA
*Incorporated by Royal Charter*



E

This Australian standard was prepared by Committee ME/4, Lift Installations. It was approved on behalf of the Council of the Standards Association of Australia on 12 February 1986 and published on 7 April 1986.

---

The following interests are represented on Committee ME/4:

Association of Consulting Engineers Australia

Association of Independent Lift Companies

Australian Chamber of Commerce

Australian Uniform Building Regulations Co-ordinating Council

Board of Fire Commissioners of New South Wales

Building Owners and Managers Association of Australia Limited

Confederation of Australian Industry

Department of Employment and Industrial Affairs, Qld

Department of Employment and Industrial Affairs, Vic.

Department of Housing and Construction

Department of Industrial Relations, N.S.W.

Department of Labour, S.A.

Department of Labour and Industry, Tas.

Department of Mines and Energy, N.T.

Department of Occupational Health, Safety and Welfare, W.A.

Department of Public Works, N.S.W.

Department of Territories

Institution of Engineers, Australia

Insurance Council of Australia

Lift Manufacturers Association of Australia Limited

Metal Trades Industry Association of Australia

Royal Australian Institute of Architects

---

***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 SAA publications will be found in the Catalogue of SAA Publications; this information is supplemented each month by SAA's journal '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which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn standards.*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 the Association, 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 84254.*

Dup



STANDARDS AUSTRALIA

# Amendment No 2
# to
# AS 1735.6—1986
# Lifts, escalators, and moving walks
# (known as the SAA Lift Code)

Part 6: Moving walks



**REVISED TEXT**

The 1986 edition of AS 1735.6, which was amended in July 1989, is further amended as follows; the amendments should be inserted in the appropriate place.

*SUMMARY*: This Amendment applies to Clauses 3.6.7.5 and 3.6.8.

Published on 15 April 1991.

AMDT No 2 APR. 1991

**Page 13. Clause 3.6.7.5.**

*Delete* existing Clause 3.6.7.5 and *substitute*:

**3.6.7.5** *Guiding of belt, belt-pallet or pallet.* Belts, belt-pallets and pallets of inclined (sloped) type moving walks shall be prevented from being displaced from the guiding system in the event of a breakage of a belt or pallet connection within the exposed area of the belt, belt-pallet, or pallet where it is capable of carrying passengers.

Means shall be provided to prevent a displacement perpendicular to the passenger surface of the treadway of more than 3.2 mm, in the event of any breaking of a pallet connection.

AMDT No 2 APR. 1991

**Page 13. Clause 3.6.8.**

*Delete* existing Clause 3.6.8 (including its Note) and *substitute*:

**3.6.8 Lighting of treadways.** Treadways shall be substantially uniformly illuminated throughout their run. The illumination on the treadway surface shall be not less than 75 lx whilst the unit is running and no substantial contrast shall exist any point over the length of the unit, including the entry and exit areas as defined by Clause 2.1.1.

ISBN 0 7262 6798 8

STANDARDS AUSTRALIA



# Amendment No 1
# to
# AS 1735.6—1986
# Lifts, escalators, and moving walks
# Part 6: Moving walks

REVISED TEXT

The 1986 edition of AS 1735.6 is amended as follows; the amendments should be inserted in the appropriate place.

*SUMMARY*: This Amendment applies to Contents, Clauses 1.2, 5.5.2, 5.11, 6.2, 6.3(c), and 7.7, and Appendix P (new).

Published on 14 July 1989.

AMDT No 1 JULY 1989

**Page 4. Contents.**

*Delete* entry for Appendix A and *substitute*:

APPENDICES



AMDT No 1 JULY 1989

**Page 5. Clause 1.2.**

*Delete* entry for BS 3790 and *substitute*:

AS 2784 Endless Wedge Belt and V-belt Drives

AMDT No 1 JULY 1989

**Page 15. Clause 5.5.2.**

*Delete* existing Clause and *substitute*:

**5.5.2 Chain drive.** For moving walks that are not entirely horizontal, where a chain is used to connect a driving machine to the main drive shaft a brake shall be provided on the main drive which will operate automatically should the chain fail. The brake shall be capable of sustaining the fully loaded moving walk, and shall provide a gradual stop for loaded conditions. This brake is not required to be of the electrically released type where an electrically released brake is provided on the driving machine.

NOTE: The emergency brake could give an abrupt stop while the moving walk is empty.

AMDT No 1 JULY 1989

**Page 15. Clause 5.11.**

*Change* 'AS 3790' to 'AS 2784'.

ISBN 0 7262 5734 6

AMDT No 1 JULY 1989

**Page 16. Clause 6.2.**

*Delete* existing Clause and *substitute*:

## 6.2 NORMAL OPERATION.

### 6.2.1 Starting switch.

**6.2.1.1** *Provision.* A starting switch shall be provided at each end of each moving walk.

**6.2.1.2** *Type.* Starting switches shall be of the key-operated spring-off type.

**6.2.1.3** *Location.* Starting switches shall be located in a readily accessible position where the operator, while using the key to operate the starting switch, can observe any person at any position on the moving walk (see also Clause 6.3(b).

**6.2.1.4** *Labelling.* Each starting switch shall be clearly labelled with the direction of travel.

### 6.2.2 Automatic operation.

**6.2.2.1** *Approval.* Automatic control, other than by means of switches complying with Clause 6.2.2.4, and remote control shall not be provided, unless the control is approved by the Statutory Authority.

**6.2.2.2** *Changeover switches.* Where automatic starting or speed change is provided, key type changeover switches shall be provided at each end of the moving walk for maintenance purposes. Such changeover switches shall be required to be set to the automatic position before automatic starting can become effective.

**6.2.2.3** *Restriction of access.* Turnstile gates or other approved means shall be provided to prevent access to the moving walk in the direction reverse to that set for automatic starting.

**6.2.2.4** *Passenger speed.* The passenger speed used in Clauses 6.2.2.5, 6.2.2.6, and 6.2.2.7, to calculate the time taken for a passenger to actuate the speed switch and move to the combplate, shall be not less than 0.9 m/s.

**6.2.2.5** *Starting.* Where a light ray, a floor pad switch, or another device detects the approach of a passenger and starts a moving walk, the treadway shall have commenced to move before the passenger has arrived at the combplate.

**6.2.2.6** *Stopping.* Moving walks may be arranged to stop automatically, provided that not less than 120 percent of the time required by the last person passing the initiating device to complete the journey has elapsed.

**6.2.2.7** *Automatic speed change.* Where a light ray, a floor pad switch, or another device detects the approach of a passenger and increases the speed of a moving walk, the treadway shall have commenced to increase speed before the passenger has arrived at the combplate.

Any dual-speed moving walks starting from rest shall have commenced to change speed before a passenger reaches the combplate.

Moving walks may be arranged to slow down automatically, provided that not less than 120 percent of the time required by the last person passing the initiating device to complete the journey has elapsed.

**6.2.2.8** *Safety circuit operation.* Automatic starting shall not be effective after the operation of any safety switch or device (including any emergency stop button) until such time as the switch or starting circuit has been manually reset by the use of a key.

AMDT No 1 JULY 1989

**Page 16. Clause 6.3.**

*Delete* existing Item (c) and *substitute*:

(c) Stop buttons shall be provided with a cover which can be readily lifted or pushed aside.

---

AMDT No 1 JULY 1989

**Page 18. Clause 7.7.**

*Delete* existing Clause and *substitute*:

**7.7 FAULT PROTECTION.**

**7.7.1 Single failure.** The failure of any single magnetically operated switch, contactor, or relay to release in the intended manner or the occurrence of a single earth fault shall not permit the moving walk to start or run.

**7.7.2 Capacitors.** Capacitors shall not be installed in any moving walk installation where their operation or failure may cause an unsafe operation.

---

AMDT No 1 JULY 1989

**Page 20. New Appendix B.**

*Add* the following Appendix:

APPENDIX B

## PERIODIC INSPECTION AND TESTING

Periodic inspection and testing of every installation should be carried out at intervals of not more than one year.

Regular maintenance of the installation should be performed at more frequent intervals.

---

AUSTRALIAN STANDARD

# LIFTS, ESCALATORS, AND MOVING WALKS

## Known as the SAA LIFT CODE

# Part 6 MOVING WALKS

**AS 1735.6—1986**


First published (as AS CA3, Part VI) .....1970
AS 1735, Part 6 first published .....1975
Second edition .....1982
Third edition .....1986

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

ISBN 0 7262 4122 9

# PREFACE

This edition of this standard was prepared by the Association's Committee on Lift Installations, to supersede AS 1735, Part 6—1982.

This edition includes the following technical changes:

(a) Clause 130.12.10, Treadway Demarcation Lines, of the 1982 edition has been deleted.

(b) Clause 6.13 requires the provision of combplate switches.

(c) Clause 7.1(a)(ii) has been redrafted to clarify its intent.

(d) Clause 7.12 has been amended to overcome the danger of a movable controller being knocked over on to its control buttons.

Other changes of an editorial nature have been made to bring the standard into line with current SAA policy.

# CONTENTS

STANDARDS ASSOCIATION OF AUSTRALIA

# Australian Standard
# for
# LIFTS, ESCALATORS, AND MOVING WALKS

## PART 6—MOVING WALKS

## SECTION 1. SCOPE AND GENERAL

**1.1 SCOPE.** This standard sets out requirements for electric moving walks for carrying passengers.

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

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

AS 1403 Design of Rotating Steel Shafts

AS 1530 Methods for Fire Tests on Building Materials, Components and Structures Part 1—Combustibility Tests for Materials

AS 1532 Short Pitch Transmission Precision Roller Chains and Chain Wheels

AS 1680 Code of Practice for Interior Lighting and the Visual Environment

AS 1735.1 SAA Lift Code, Part 1—General Requirements

AS 1735.2 SAA Lift Code, Part 2—Passenger and Goods Lifts—Electric

AS 1979 Flexible Travelling Cables for Lifts

AS 2052 Metallic Conduits and Fittings

AS 2053 Non-metallic Conduits and Fittings

AS 2118 SAA Code for Automatic Fire Sprinkler Systems

AS 2208 Safety Glazing Materials for Use in Buildings (Human Impact Considerations)

AS 2784 SEE AMENDMENT (1)

AS 3000 SAA Wiring Rules

AS 3116 Approval and Test Specification for Elastomer Insulated Electric Cables and Flexible Cables for Working Voltages of 0.6/1 kV

AS 3147 Approval and Test Specification for PVC Insulated Electric Cables and Flexible Cables for Working Voltages of 0.6/1 kV

AS 3187 Approval and Test Specification for Mineral-insulated Metal-sheathed Cables

AS 3191 Approval and Test Specification for Electric Flexible Cords

~~BS 3790 Endless Wedge Belt Drives and Endless V-belt Drives~~ SEE AMENDMENT (1)