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under Revision see DR 95252

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Australian Standard[®] 1735.6—1986

SAA LIFT CODE Part 6—MOVING WALKS



STANDARDS ASSOCIATION OF AUSTRALIA
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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:

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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
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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.

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No 2
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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 any point over the length of the unit, including the entry and exit areas as defined by Clause 2.1.1.

Dup

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 B (new).

Published on 14 July 1989.

AMDT
No 1
JULY
1989

Page 4. Contents.

Delete entry for Appendix A and substitute:

APPENDICES

A CHANGE IN WIDTH	20
B PERIODIC INSPECTION AND TESTING	20

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
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1989

Page 15. Clause 5.11.

Change 'BS 3790' to 'AS 2784'.

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.
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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
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Third edition	1986

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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.

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CONTENTS

	<i>Page</i>
SECTION 1. SCOPE AND GENERAL	
1.1 Scope	5
1.2 Referenced Documents	5
SECTION 2. GENERAL DESIGN	
2.1 Access	6
2.2 Width	6
2.3 Slope	6
2.4 Rated Speed	7
2.5 Measured Speed	7
2.6 Load Rating	7
2.7 Factors of Safety	7
SECTION 3. COMPONENTS	
3.1 Supports	9
3.2 Trusses	9
3.3 Balustrades	9
3.4 Handrails	12
3.5 Combplates	12
3.6 Treadways	12
SECTION 4. MACHINE ROOMS, MACHINE AREAS, AND PITS	
4.1 General	14
4.2 Access and Guarding	14
4.3 Limitations on Use	14
4.4 Enclosure	14
4.5 Lighting	14
4.6 General Purpose Outlet in Top Truss Extension	14
4.7 Ventilation	14
4.8 Sprinkler Systems	14
4.9 Numbering	14
4.10 Pit Access	14
4.11 Landing Access Guarding	14
SECTION 5. DRIVING MACHINE, MOTOR, AND BRAKE	
5.1 Location	15
5.2 Factors of Safety	15
5.3 Connection Between Driving Machine and Main Driving Shaft	15
5.4 Driving Motor	15
5.5 Brake	15
5.6 Bolts Transmitting Torque	15
5.7 Threads for Studs or Screws in Tension	15
5.8 Keys	15
5.9 Gears	15
5.10 Bearings	15
5.11 V-belt Drives	15
5.12 Chain Drives	15
5.13 Design Life	15
5.14 Hand Winding	15
5.15 Holding Device	15
5.16 Lubrication	15
SECTION 6. OPERATING AND SAFETY DEVICES	
6.1 General	16
6.2 Starting and Speed Change	16

	<i>Page</i>
6.3 Emergency Stop Buttons	16
6.4 Stop Switch at Truss and Pit Inspection Panels	16
6.5 Speed Governor	16
6.6 Reverse Phase Protection	17
6.7 Broken Treadway Device	17
6.8 Broken Drive-chain Device	17
6.9 Broken Input Drive Chain or V-belt Device	17
6.10 Interlocking of Exit Doors	17
6.11 Operation Under Fire Conditions	17
6.12 Handrail Entry Devices	17
6.13 Combplate Switches	17
 SECTION 7. ELECTRICAL INSTALLATIONS	
7.1 Wiring	18
7.2 Circuit-breaker or Main Switch	18
7.3 Position of Circuit-breaker or Main Switch	18
7.4 Maximum Permissible Voltage	18
7.5 Control Circuit Voltages	18
7.6 Maintenance and Inspection Lighting Voltage	18
7.7 Capacitors	18
7.8 Enclosure of Safety Switches	18
7.9 Earthing	18
7.10 Circuit Diagram	18
7.11 Illumination of Balustrades	18
7.12 Controllers	19
APPENDIX ^{CS} A. CHANGE IN WIDTH	20
B. > SEE AMENDMENT (1)	
INDEX	21

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 2052	Metallic Conduits and Fittings
AS 1530	Methods for Fire Tests on Building Materials, Components and Structures Part 1—Combustibility Tests for Materials	AS 2053	Non-metallic Conduits and Fittings
AS 1532	Short Pitch Transmission Precision Roller Chains and Chain Wheels	AS 2118	SAA Code for Automatic Fire Sprinkler Systems
AS 1680	Code of Practice for Interior Lighting and the Visual Environment	AS 2208	Safety Glazing Materials for Use in Buildings (Human Impact Considerations)
AS 1735.1	SAA Lift Code, Part 1—General Requirements	AS 2784	SEE AMENDMENT (1)
AS 1735.2	SAA Lift Code, Part 2—Passenger and Goods Lifts—Electric	AS 3000	SAA Wiring Rules
AS 1979	Flexible Travelling Cables for Lifts	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)