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SAA LIFT CODE Part 7—STAIRWAY LIFTS



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 24 October 1986 and published on 5 January 1987.

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 Housing and Construction
Department of Industrial Relations, N.S.W.
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Department of Mines and Energy, N.T.
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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

Representatives of the following interests also participated in the drafting of this standard:

ACROD—Australia's Council on Disability
Technical Aid to the Disabled

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This standard was issued in draft form for comment as DR 85277.

AUSTRALIAN STANDARD

**LIFTS, ESCALATORS, AND MOVING
WALKS**

**Known as the
SAA LIFT CODE**

**Part 7
STAIRWAY LIFTS**

AS 1735.7—1987

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PREFACE

This edition of this standard was prepared by the Association's Committee on Lift Installations, to supersede AS 1735.7—1986, SAA Lift Code—Stairway Chair Lifts. This edition includes platform types which can accommodate wheelchairs.

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STANDARDS AUSTRALIA

Amendment No 1
to
AS 1735.7—1987
Lifts, escalators, and moving walks
Part 7: Stairway lifts



REVISED TEXT

The 1987 edition of AS 1735.7 is amended as follows; the amendment should be inserted in the appropriate place.

SUMMARY: This Amendment applies to Contents, Clause 22.5.1 and Appendix A.

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No 1
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Page 2. Contents.

Delete the entry for Appendix A and *substitute:*

APPENDIX A. PERIODIC INSPECTION AND TESTING 7

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

for

LIFTS, ESCALATORS, AND MOVING WALKS

PART 7—STAIRWAY LIFTS

1 SCOPE. The standard specifies requirements for power-operated stairway lifts intended for use by persons with limited mobility. The lifts consist of a carriage, incorporating a platform, or a chair, or both, for raising or lowering persons along stairways.

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

Guidance on maintenance, inspection, and testing is given in Appendix A.

2 APPLICATION. Building regulatory authorities have specific requirements covering the installation of stairway lifts in some locations, including their possible prohibition in required exits.

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

AS 1532	Short Pitch Transmission Precision Roller Chains and Chain Wheels
AS 1656	Steel Wire Ropes (Other than for Mining Purposes)
AS 1735.1	SAA Lift Code, Part 1—General Requirements
AS 3000	SAA Wiring Rules
ISO 2020	Aerospace—Mechanical System Parts—Preformed Flexible Steel Wire Rope for Aircraft Controls

4 DEFINITIONS. For the purpose of this standard, the following definitions apply:

4.1 Stairway lift—a device installed on a stairway accessible to and usable by persons with limited mobility, for raising and lowering the persons between two or more levels by means of a guided carriage moving substantially in the direction of flight of the stairway.

4.2 Stairway chair lift—a stairway lift equipped with a carriage (load-carrying unit) in the form of one or two attached chairs.

4.3 Stairway platform lift—a stairway lift equipped with a carriage (load-carrying unit) in the form of a platform, which may also incorporate a chair.

5 RATED CAPACITY. The rated capacity shall be not more than one person plus one person in a wheelchair.

6 RATED LOAD. The rated load shall be not more than 300 kg nor less than the relevant minimum rated load specified in Table 1.

7 PLATFORM AREA. The platform dimensions shall be not less than the relevant minimum dimensions, and the platform area shall be not more than the relevant maximum area specified in Table 1.

8 SPEED. The rated speed shall be not more than 0.16 m/s.

9 SLOPE. The slope of the direction of travel shall be not more than 45 degrees to the horizontal.

TABLE 1
DESIGN PARAMETERS

1	2	3	4	5	6
Maximum number of passengers	Minimum rated load kg	Type	Platform		Maximum area m ²
			Minimum dimensions mm		
			Length (See Note 1)	Width	
1	115	Standing platform	370	290	0.35
		One-chair carriage	No standing area		
2	180	Wheelchair platform	1000 (See Note 2)	685	1.20
		Two-chair carriage	No standing area		

NOTES:

- Length is measured horizontally in the direction of travel between the safety flaps in the elevated position or the sensitive edges in the non-actuated position, whichever applies.
- Where not fitted with a platform gate.