

Under tension see DK 84250

# Australian Standard 1735, Part 2—1982

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## SAA LIFT CODE Part 2—ELECTRIC LIFTS: PASSENGER AND GOODS



**STANDARDS ASSOCIATION OF AUSTRALIA**

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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of this standard:

Association of Consulting Engineers Australia  
Association of Independent Lift Companies  
Australian Chamber of Commerce  
Board of Fire Commissioners of New South Wales  
Building Owners and Managers Association of Australia Limited  
Confederation of Australian Industry  
Department of the Capital Territory  
Department of Housing and Construction  
Department of Industrial Affairs and Employment, S.A.  
Department of Industrial Relations, N.S.W.  
Department of Labour and Industry, Tas.  
Department of Labour and Industry, Vic.  
Department of Labour and Industry, W.A.  
Department of Employment and Labour Relations, Qld  
Department of Mines and Energy, N.T.  
Department of Public Works, N.S.W.  
Institution of Engineers, Australia  
Insurance Council of Australia  
Lift Manufacturers Association of Australia  
Royal Australian Institute of Architects

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This standard, prepared by Committee ME/4, Lift Installations, was approved on behalf of the Council of the Standards Association of Australia on 12 February 1982, and was published on 17 May 1982.

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AUSTRALIAN STANDARD

# THE DESIGN, INSTALLATION, TESTING AND OPERATION OF LIFTS, ESCALATORS AND MOVING WALKS

known as the  
SAA LIFT CODE

## Part 2 ELECTRIC LIFTS: PASSENGER AND GOODS

AS 1735, Part 2—1982

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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 2—1975.

The standard deals with electric lifts designed for carrying passengers or goods or both. The emphasis is on safety, and requirements are included dealing with emergency hand winding, lift door access for both single and multiple installations, emergency egress from car in a single blind liftwell, landing door protection for passenger lifts in residential buildings, emergency lighting of lift cars, requirements for double-deck lift compartments, general purpose outlet on top of car, and lift operation under fire or emergency conditions.

Other important requirements include those for machine room entrances and access, provision of and access to secondary floors and platforms, man clearance requirements at bottom of car, access to pits, doors locked out of service (non-residential buildings), guarding of counterweights, car roof trapdoor, earthing of apparatus on lift cars and emergency communication and alarm system from the car.

This edition includes the following technical changes from the 1975 edition:

- (a) Clause 6.1.2 has been revised to reduce the need to project lift motor rooms through roofs when underslung lifts are used.
- (b) Clauses 6.4, 10.5 and 23.25.1.2 have been amended to allow fluorescent lighting.
- (c) Clause 7.4.1 has been extended to permit the use of non-metallic inserts in the rope grooves of sheaves.
- (d) Clauses 8.1 and 23.28 on platform guards have been revised.
- (e) Section 9 and Clause 33.4 have been revised and the new Appendix D has been included as part of the revision of AS 1735, Part 10.
- (f) Clause 9.6.7 permits a higher temperature pour point of oil.
- (g) Clauses 10.10.1 and 29.3 have been revised and new Clauses 29.7 and 29.8 included to specify requirements for maintenance control buttons in cars and bottom terminal bypass devices.
- (h) Clause 12.15 has been revised and new Clause 29.9 included to specify requirements for security switching.
- (j) New Clause 12.25(b) has been included to increase safety of maintenance personnel.
- (k) Clause 12.27 has been amended to reduce the danger should a car move away from a landing with the landing door not closed.
- (l) Clause 17.2 now refers to AS 1656.
- (m) Clause 23.1 has been modified in line with modern practice.
- (n) Clause 25.6.1(a) has been extended to increase safety.
- (o) Clause 27.1 has been amended as part of the revision of AS 1735, Part 4.
- (p) Clauses 29.10 and 31.3 have been amended to delete the requirements which require tappet switches.
- (q) Clauses 33.7.2 and 34.3.1 have been amended to remove an anomaly between them.

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

This standard requires reference to the following standards:

AS 1111	ISO Metric Hexagon Commercial Bolts and Screws
AS 1204	Structural Steels—Ordinary Weldable Grades
AS 1215	V-belt Drives: Sections Y, Z, A, B, C and D
AS 1250	SAA Steel Structures Code
AS 1275	Metric Screw Threads for Fasteners (Based on ISO Recommendations)
AS 1428	Code of Practice for Design Rules for Access by the Disabled
AS 1480	SAA Concrete Structures Code
AS 1530	Methods for Fire Tests on Building Materials and Structures
AS 1654	Limits and Fits for Engineering
AS 1656	Steel Wire Ropes (Other than for Mining Purposes)
AS 1657	SAA Code for Fixed Platforms, Walkways, Stairways and Ladders
AS 1735	SAA Lift Code Part 1— General Requirements Part 3— Electrohydraulic Lifts: Passenger and Goods Part 4— Power-operated Service Lifts Part 10—Tests Part 11—Fire-rated Landing Doors
AS 1750	Steel Sections and Bars for Boilers and Unfired Pressure Vessels (Other than Bolting Material)
AS 1831	Spheroidal or Nodular Graphite Iron Castings
AS 1979	Flexible Travelling Cables for Lifts
AS 2052	Metallic Conduits and Fittings
AS 2053	Non-metallic Conduits and Fittings
AS 2074	Steel Castings for General Engineering Purposes
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 3133	Approval and Test Specification for Air Break Switches
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 MB1	SAA Steel Wire Rope Manual
AS B61	Spur and Helical Gears	BS 46	Keys and Keyways and Taper Pins Part 1—Keys and Keyways
AS B66	Worm Gearing (Inch Series)	BS 970	Wrought Steels in the Form of Blooms, Billets, Bars and Forgings

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