

Australian Standard™

Lifts, escalators and moving walks

**Part 3: Passenger and goods lifts—
Electrohydraulic**



S t a n d a r d s Australia

This Australian Standard was prepared by Committee ME-004, Lift Installation. It was approved on behalf of the Council of Standards Australia on 16 March 2001 and published on 5 April 2001.

The following interests are represented on Committee ME-004:

Association of Consulting Engineers Australia
Association of Independent Lift Companies
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Elevator Association
Australian Industry Group
Department of Administrative and Information Services (South Australia)
Department of Employment Training and Industrial Relations (Qld)
Department of Industries & Business , N.T.
Department of Infrastructure, Energy and Resources (Tasmania)
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Electrohydraulic**

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-004, Lift Installations, to supersede AS 1735.3—1995.

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 electrohydraulic lifts that carry passengers and goods.

The objective of this revision is to update the Standard, and to accommodate changes applicable to low-rise low-speed lifts for use in public locations.

Other changes in this edition include the incorporation of all revisions and additions contained in Amendment No. 1 as issued for the 1995 edition, as well as editorial changes to align with current Standards Australia policy.

This Standard forms Part 3 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 4: Service lifts—Power-operated
- Part 5: Escalators and moving walks
- Part 6(Int): Moving walks
- Part 7: Stairway lifts
- Part 8: Inclined lifts
- Part 9: Special purpose industrial lifts
- Part 10(Int): 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: Low-rise platforms for passengers
- 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 people with limited mobility—Restricted use Water-drive

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.

Statements expressed in mandatory terms in notes to tables are deemed to be requirements to this Standard.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	6
1.2 REFERENCED DOCUMENTS.....	6
1.3 DEFINITIONS.....	7
SECTION 2 SPEED	8
SECTION 3 PRESSURE TEST AFTER ERECTION	8
SECTION 4 BEAMS, SUPPORTS, AND FOUNDATIONS FOR CYLINDERS, MACHINES AND OVERHEAD SHEAVES.....	8
SECTION 5 MACHINE ROOMS	
5.1 GENERAL.....	9
5.2 MACHINE ROOM LOCATION RELATIVE TO LIFTWELL	9
5.3 COMMUNICATIONS.....	9
5.4 LIFT MOVEMENT OBSERVATION.....	9
SECTION 6 ACCESS TO OVERHEAD SHEAVES	12
SECTION 7 HYDRAULIC EQUIPMENT	
7.1 GENERAL.....	13
7.2 RAMS.....	13
7.3 CYLINDERS	17
7.4 HYDRAULIC LINES	20
7.5 VALVES	25
7.6 TANKS.....	27
7.7 AUXILIARY EQUIPMENT LOCATION	27
7.8 STORED ENERGY PUMPING SYSTEM	29
SECTION 8 CLEARANCES FOR CARS AND COUNTERWEIGHTS	
8.1 DIRECT-ACTING ELECTROHYDRAULIC LIFTS	30
8.2 SUSPENDED ELECTROHYDRAULIC LIFTS (INDIRECT)	32
SECTION 9 BUFFERS AND HOLDING DEVICES	
9.1 CAR BUFFERS.....	35
9.2 DEVICES TO HOLD CAR ABOVE LOWEST FLOOR.....	38
9.3 COUNTERWEIGHT BUFFERS	39
9.4 FLYING COUNTERWEIHT BUFFERS	39
9.5 PAWL DEVICES	39
SECTION 10 PITS	
10.1 GENERAL.....	41
10.2 PITS NOT EXTENDING TO LOWEST FLOOR OF BUILDING	41
SECTION 11 LIFTWELL ENCLOSURES	42

	<i>Page</i>
SECTION 12 LANDING DOORS	
12.1 PROVISION	43
12.2 GENERAL.....	43
12.3 CLOSING OF LANDING DOORS	43
SECTION 13 LOCKING OF LANDING DOORS	
13.1 GENERAL.....	45
13.2 PARKING OF ATTENDANT-CONTROLLED CARS	45
SECTION 14 DOOR LOCKS	45
SECTION 15 CLEARANCES IN LIFTWELLS AND ENCLOSURES	
15.1 GENERAL.....	46
15.2 FLUSHNESS OF LIFTWELL	46
SECTION 16 PIPING, OR SIMILAR, IN LIFTWELLS OR MACHINE ROOMS.....	46
SECTION 17 SUSPENSION MEANS	
17.1 GENERAL.....	47
17.2 ROPE SUSPENSION	47
17.3 CHAIN SUSPENSION	47
SECTION 18 ROPE ATTACHMENTS AND FITTINGS.....	49
SECTION 19 SHEAVES AND PULLEYS	49
SECTION 20 COUNTERWEIGHTS AND FLYING COUNTERWEIGHTS	
20.1 GENERAL.....	50
20.2 PIT GUARDS	50
20.3 FLYING COUNTERWEIGHT OVERTRAVEL LIMIT SWITCH.....	50
20.4 MASS OF FLYING COUNTERWEIGHT	50
SECTION 21 GUIDES FOR LIFT CARS AND COUNTERWEIGHTS	
21.1 GENERAL.....	51
21.2 STRESSES AND DEFLECTIONS IN STEEL CAR GUIDE RAILS	51
SECTION 22 RATED CAR CAPACITY AND CLASSES OF LOADING	52
SECTION 23 CAR CONSTRUCTION	
23.1 GENERAL.....	52
23.2 CAR FRAMES FOR DIRECT-ACTING LIFTS	52
SECTION 24 CAR DOORS.....	52
SECTION 25 POWER OPERATION OF CAR AND LANDING DOORS	52
SECTION 26 ELECTRICAL INSTALLATION	
26.1 GENERAL.....	53
26.2 CONTROLLERS	53

	<i>Page</i>
SECTION 27 EARTHING	
27.1 GENERAL.....	54
27.2 ELECTRICAL APPARATUS INSTALLED ON CARS	54
SECTION 28 PRECAUTIONS IN WIRING.....	55
SECTION 29 OPERATING DEVICES AND CONTROL EQUIPMENT	
29.1 GENERAL.....	55
29.2 OPERATING IN THE EVENT OF SUB-MAINS SUPPLY FAILURE	55
SECTION 30 ELECTRICAL PROTECTIVE DEVICES	
30.1 GENERAL.....	56
30.2 TOP OVERTRAVEL LIMIT SWITCH.....	56
30.3 ANTI-CREEP LEVELLING DEVICE	56
30.4 NORMAL LIMIT SWITCHES.....	56
30.5 DOOR LOCK VALVE TEST SWITCH.....	56
30.6 FLYING COUNTERWEIGHT OVERTRAVEL LIMIT SWITCH.....	56
30.7 RECYCLING SYNCHRONIZATION.....	57
30.8 SLACK CHAIN SWITCH.....	57
SECTION 31 TERMINAL STOPPING DEVICES	
31.1 GENERAL.....	58
31.2 NORMAL LIMIT SWITCHES (SLOWING DOWN AND STOPPING)	58
31.3 TOP OVERTRAVEL LIMIT SWITCHES	59
31.4 ANTI-CREEP LEVELLING DEVICE	59
31.5 FLYING COUNTERWEIGHT BOTTOM OVERTRAVEL LIMIT SWITCH	59
SECTION 32 INDICATORS, ANNUNCIATORS, ALARMS, TELEPHONES AND THE LIKE	60
SECTION 33 CAR AND COUNTERWEIGHT SAFETY GEAR	
33.1 GENERAL.....	60
33.2 TRIPPING OF TYPE 'A' SAFETY GEAR BY SAFETY ROPE	60
SECTION 34 SPEED GOVERNORS	61
SECTION 35 SAFETY DEVICE SELECTION	62
APPENDICES	
A NOTATION.....	63
B MEDIUM DENSITY POLYETHYLENE (MDPE)	64
INDEX	65

STANDARDS AUSTRALIA

Australian Standard
Lifts, escalators and moving walks

Part 3: Passenger and goods lifts—Electrohydraulic

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out requirements for electrohydraulic lifts for carrying passengers and goods.

This Standard is complementary to AS 1735.1 and AS 1735.2, but the requirements of this Standard take precedence over corresponding requirements of those Standards.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1210	Pressure vessels
1288	Glass in buildings—Selection and installation
1532	Short pitch transmission precision roller chains and chain wheels
1572	Copper and carbon alloys—Seamless tubes for engineering purposes
1735	Lifts, escalators and moving walks
1735.1	Part 1: General requirements
1735.2	Part 2: Passenger and goods lifts—Electric
1735.10(Int)	Part 10: Tests
3791	Hydraulic hose
3990	Mechanical equipment—Steelwork
4058	Precast concrete pipes (pressure and non-pressure)

AS/NZS

3000	Electrical installations (known as the Australian/New Zealand Wiring Rules)
4130	Polyethylene (PE) pipes for pressure applications

NOHSC

1003	Adopted national exposure standards for atmospheric contaminants in the occupational environment
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ISO

4347	Leaf chains, clevises and sheaves
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BS

3601	Specification for carbon steel pipes and tubes with specified room temperature properties for pressure purposes
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