

Australian Standard™

Lifts, escalators and moving walks

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

This Australian Standard was prepared by Committee ME-004, Lift Installations. It was approved on behalf of the Council of Standards Australia on 16 November 2002 and published on 31 December 2002.

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Australian Elevator Association
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Electrohydraulic**

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PREFACE

This Standard was prepared by the Australian members of Joint Standards Australia/Standards New Zealand Committee ME-004, Lift Installations, to supersede AS 1735.3—2001.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand 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 harmonize its requirements with BS EN 81-2:1998.

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 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: Low-rise passenger lifts—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
- Part 18: Passenger lifts for private residence—Automatically controlled

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 of 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	9
SECTION 4 BEAMS, SUPPORTS, AND FOUNDATIONS FOR CYLINDERS, MACHINES AND OVERHEAD SHEAVES.....	10
SECTION 5 MACHINERY LOCATIONS	
5.1 GENERAL	11
5.2 MACHINE ROOM LOCATION RELATIVE TO LIFTWELL.....	11
5.3 COMMUNICATIONS	11
5.4 LIFT MOVEMENT OBSERVATION	12
SECTION 6 ACCESS TO OVERHEAD SHEAVES	15
SECTION 7 HYDRAULIC EQUIPMENT	
7.1 GENERAL	16
7.2 RAMS	16
7.3 CYLINDERS	21
7.4 HYDRAULIC LINES	25
7.5 VALVES.....	30
7.6 TANKS	32
7.7 AUXILIARY EQUIPMENT LOCATION	33
7.8 STORED ENERGY PUMPING SYSTEM.....	35
SECTION 8 CLEARANCES FOR CARS AND COUNTERWEIGHTS	
8.1 DIRECT-ACTING ELECTROHYDRAULIC LIFTS	36
8.2 SUSPENDED ELECTROHYDRAULIC LIFTS (INDIRECT)	39
SECTION 9 BUFFERS AND HOLDING DEVICES	
9.1 CAR BUFFERS	43
9.2 DEVICES TO HOLD CAR ABOVE LOWEST FLOOR	46
9.3 COUNTERWEIGHT BUFFERS.....	47
9.4 FLYING COUNTERWEIGHT BUFFERS	47
9.5 PAWL DEVICES.....	47
SECTION 10 PITS	
10.1 GENERAL	50
10.2 PITS NOT EXTENDING TO LOWEST FLOOR OF BUILDING.....	50
SECTION 11 LIFTWELL ENCLOSURES	51

SECTION 12	LANDING DOORS	
12.1	PROVISION	52
12.2	GENERAL	52
12.3	CLOSING OF LANDING DOORS.....	52
SECTION 13	LOCKING OF LANDING DOORS	
13.1	GENERAL	54
13.2	PARKING OF ATTENDANT-CONTROLLED CARS	54
SECTION 14	DOOR LOCKS.....	55
SECTION 15	CLEARANCES IN LIFTWELLS AND ENCLOSURES	56
SECTION 16	PIPING, OR SIMILAR, IN LIFTWELLS OR MACHINE ROOMS	57
SECTION 17	SUSPENSION MEANS	
17.1	GENERAL	58
17.2	ROPE SUSPENSION.....	58
17.3	CHAIN SUSPENSION	58
SECTION 18	ROPE ATTACHMENTS AND FITTINGS.....	60
SECTION 19	SHEAVES AND PULLEYS	61
SECTION 20	COUNTERWEIGHTS AND FLYING COUNTERWEIGHTS	
20.1	GENERAL	62
20.2	PIT GUARDS	62
20.3	FLYING COUNTERWEIGHT OVERTRAVEL LIMIT SWITCH.....	62
20.4	MASS OF FLYING COUNTERWEIGHT.....	62
SECTION 21	GUIDES FOR LIFT CARS AND COUNTERWEIGHTS	64
21.1	GENERAL	63
21.2	STRESSES AND DEFLECTIONS IN STEEL CAR GUIDE RAILS	63
SECTION 22	RATED CAR CAPACITY AND CLASSES OF LOADING.....	64
SECTION 23	CAR CONSTRUCTION	
23.1	GENERAL	65
23.2	CAR FRAMES FOR DIRECT-ACTING LIFTS.....	65
SECTION 24	CAR DOORS	66
SECTION 25	POWER OPERATION OF CAR AND LANDING DOORS.....	67
SECTION 26	ELECTRICAL INSTALLATION	
26.1	GENERAL	68
26.2	CONTROLLERS	68
SECTION 27	EARTHING	69
SECTION 28	PRECAUTIONS IN WIRING.....	70
SECTION 29	OPERATING DEVICES AND CONTROL EQUIPMENT	
29.1	GENERAL	71
29.2	OPERATING IN THE EVENT OF SUB-MAINS SUPPLY FAILURE.....	71

	<i>Page</i>
SECTION 30 ELECTRICAL PROTECTIVE DEVICES	
30.1 GENERAL.....	72
30.2 TOP OVERTRAVEL LIMIT SWITCH.....	72
30.3 ANTI-CREEP LEVELLING DEVICE.....	72
30.4 NORMAL LIMIT SWITCHES.....	72
30.5 DOOR LOCK VALVE TEST SWITCH.....	72
30.6 FLYING COUNTERWEIGHT OVERTRAVEL LIMIT SWITCH.....	72
30.7 RECYCLING SYNCHRONIZATION.....	73
30.8 SLACK CHAIN SWITCH.....	73
SECTION 31 TERMINAL STOPPING DEVICES	
31.1 GENERAL.....	74
31.2 NORMAL (SLOWING DOWN AND STOPPING) LIMIT SWITCHES OF DEVICES.....	74
31.3 TOP OVERTRAVEL LIMIT SWITCHES.....	74
31.4 ANTI-CREEP LEVELLING DEVICE.....	75
31.5 FLYING COUNTERWEIGHT BOTTOM OVERTRAVEL LIMIT SWITCH.....	75
SECTION 32 INDICATORS, ANNUNCIATORS, ALARMS, TELEPHONES AND THE LIKE.....	76
SECTION 33 CAR AND COUNTERWEIGHT SAFETY GEAR	
33.1 GENERAL.....	77
33.2 TRIPPING OF TYPE 'A' SAFETY GEAR BY SAFETY ROPE.....	77
SECTION 34 SPEED GOVERNORS.....	78
SECTION 35 SAFETY DEVICE SELECTION.....	79
APPENDICES	
A NOTATION.....	80
B MEDIUM DENSITY POLYETHYLENE (MDPE).....	81

STANDARDS AUSTRALIA

Australian Standard
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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
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	
4130	Polyethylene (PE) pipes for pressure applications
ISO	
4347	Leaf chains, clevises and sheaves
BS	
3601	Specification for carbon steel pipes and tubes with specified room temperature properties for pressure purposes