

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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Association of Independent Lift Companies
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Australian Chamber of Commerce and Industry
Australian Elevator Association
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**Part 3: Passenger and goods lifts—
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 to this Standard.

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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
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