



## **Lifts, escalators and moving walks**

### **Part 1: General requirements**



This Australian Standard® was prepared by Committee ME-004, Lift Installations. It was approved on behalf of the Council of Standards Australia on 2 May 2016. This Standard was published on 30 June 2016.

---

The following are represented on Committee ME-004:

- Association of Consultants in Access Australia
  - Australian Building Codes Board
  - Australian Chamber of Commerce and Industry
  - Australian Elevator Association
  - Australian Industry Group
  - Australian Institute of Building Surveyors
  - Communications Electrical Plumbing Union
  - Engineers Australia
  - Independent Chairperson
  - Lift Engineering Society of Australia
  - Property Council of Australia
  - Safe Work Australia
- 

This Standard was issued in draft form for comment as DR AS 1735.1:2015.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

---

#### **Keeping Standards up-to-date**

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting [www.standards.org.au](http://www.standards.org.au)

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at [mail@standards.org.au](mailto:mail@standards.org.au), or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

---

Australian Standard<sup>®</sup>

## Lifts, escalators and moving walks

### Part 1: General requirements

First published as AS CA3—1935.

Tenth edition 1953.

AS CA3—1953 revised and redesignated in part as AS CA3.1—1966.

AS CA3.1—1966 revised and redesignated as AS 1735.1—1975.

Seventh edition 2016.

#### **COPYRIGHT**

© Standards Australia Limited

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 76035 517 3

## PREFACE

This Standard was prepared by the Standards Australia Committee ME-004, Lift Installations, to supersede AS 1735.1—2003.

The objective of this Standard is to provide general requirements, including definitions of terms, relevant to various Parts of the AS 1735 series.

The major change in this edition is the addition of the design process and ISO design Standards, which cover performance-based design.

This Standard forms part of the AS 1735 series of Standards. Other parts in this series are as follows:

## AS

1735	Lifts, escalators and moving walks
1735.1	Part 1: General requirements (this Standard)
1735.4	Part 4: Service lifts—Power-operated
1735.5	Part 5: Escalators and moving walks
1735.7	Part 7: Stairway lifts
1735.8	Part 8: Inclined lifts
1735.9	Part 9: Special purpose industrial lifts
1735.11	Part 11: Fire-rated landing doors
1735.12	Part 12: Facilities for persons with disabilities
1735.14	Part 14: Low-rise platforms for passengers
1735.15	Part 15: Low-rise passenger lifts—Non-automatically controlled
1735.16	Part 16: Lifts for persons with limited mobility—Restricted use—Automatically controlled
1735.17	Part 17: Lifts for persons with limited mobility—Restricted use—Water-drive

## AS/NZS

1735	Lifts, escalators and moving walks
1735.18	Part 18: Passenger lifts for private residence—Automatically controlled

## CONTENTS

	<i>Page</i>
1 SCOPE.....	4
2 APPLICATION.....	4
3 NORMATIVE REFERENCES .....	5
4 ALTERNATIVE DESIGN, MATERIALS AND METHODS.....	6
5 PROCESS TO ESTABLISH THAT A LIFT IS SAFE TO OPERATE .....	6
6 DEFINITIONS.....	8
BIBLIOGRAPHY.....	27

STANDARDS AUSTRALIA  

---

**Australian Standard**  
**Lifts, escalators and moving walks**  

---

Part 1: General requirements  

---

## 1 SCOPE

This Standard sets out uniform requirements for lifts, escalators and moving walks (as defined herein).

This Standard does not apply to the following:

- (a) Temporary lifts and hoists used solely for erecting, demolishing, altering, or repairing buildings or structures in which persons do not travel.
- (b) Temporary lifts used for carrying persons or persons and materials in building and construction work.
- (c) Orchestral and stage lifts.
- (d) Stacking machines, forklift trucks, and similar portable appliances.
- (e) Conveyors used for the handling of materials and good, such as tray elevators, bucket conveyors, and similar appliances.
- (f) Skip hoists.
- (g) Amusement devices.
- (h) Loading ramps and dock levellers.
- (i) Serial hoists.
- (j) Bridge lifting span lifts.
- (k) Railway car lifts.
- (l) Ropeways carrying passenger cabs or chairs.
- (m) Industrial platform hoists.
- (n) Hoists used in taxis and people-moving road vehicles.
- (o) Building maintenance lifts.
- (p) Elevating work platforms.
- (q) Guided hoists.
- (r) Manually powered lifts.

## 2 APPLICATION

The fundamental principles provided in this Standard are intended for application by competent and responsible persons and organizations. This Standard has no legal authority in its own right but may acquire legal standing in one more of the following:

- (a) Adoption by a statutory authority.
- (b) Reference for compliance with the Standard as a contractual requirement.
- (c) Claim by a manufacturer or manufacturer's agent of compliance with the Standard.