

Lifts and service lifts —

Part 8: Specification for eyebolts for lift suspension

UDC 621.876.11:621.86.065.3:621.882.6-229.211.4

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI
Documents

AVA

Document Sharing Hub

Committees responsible for this British Standard

This British Standard was published under the direction of the Mechanical Engineering Standards Committee MEE/-. Its preparation was entrusted to Technical Committee MEE/49 upon which the following bodies were represented:

- Associated Offices Technical Committee
- Association of County Councils
- British Broadcasting Corporation
- British Electrical and Allied Manufacturers' Association (BEAMA)
- British Railways Board
- Bureau of Engineer Surveyors
- Chartered Institution of Building Services
- Department of Health and Social Security
- Department of Industry (Mechanical Engineering)
- Department of the Environment (Building Research Establishment)
- Department of the Environment (PSA)
- Department of Transport
- Electrical, Electronic, Telecommunications and Plumbing Union
- Engineer Surveyors' Section of ASTMS
- Federation of Wire Rope Manufacturers of Great Britain
- Greater London Council
- Health and Safety Executive
- Independent Engineering Insurers' Committee
- Institution of Mechanical Engineers
- Institution of Production Engineers
- London Transport Executive
- Mechanical Handling Engineers' Association
- National Association of Lift Makers
- Post Office
- Royal Association for Disability and Rehabilitation
- Scottish Development Department

This British Standard, having been prepared under the direction of the Mechanical Engineering Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 May 1983

© BSI 02-1999

The following BSI references relate to the work on this standard:
Committee reference MEE/49
Draft for comment 82/77894 DC

ISBN 0 580 11978 5

Amendments issued since publication

Amd. No.	Date of issue	Comments

Contents

	Page
Foreword	ii
Committees responsible	Inside front cover
1 Scope	1
2 Material	1
3 Form and dimensions	1
4 Forgings	1
5 Forging tolerances	1
6 Nominal sizes	1
7 Nominal lengths	1
8 Heat treatment	1
9 Screw threads	1
10 Nuts	1
11 Split cotter pin hole and split cotter pin	1
12 Maximum axial breaking force	2
13 Proof force	2
14 Examination	2
15 Marking	2
16 Certificate of test	2
17 Finish	2
18 Galvanizing	2
19 Assembly	2
Appendix A Typical certificate required for test and examination	5
Appendix B Information to be supplied by the purchaser	5
Figure 1 — Eyebolt	4
Table 1 — Mechanical properties and dimensions	3
Publications referred to	Inside back cover

Foreword

This Part of this British Standard, prepared under the direction of the Mechanical Engineering Standards Committee, has been produced to meet the needs of the lift industry for a standard to replace withdrawn standard BS 529-2:1944. It is the eighth Part of BS 5655 relating to lifts and service lifts which will progressively supersede portions of BS 2655. The complete standard will comprise the following Parts.

- *Part 1: Safety rules for the construction and installation of electric lifts (implementing EN 81/1), together with PD 6500, “Explanatory supplement to BS 5655-1”;*
- *Part 2: Specification for hydraulic lifts;*
- *Part 3¹⁾: Safety rules for the construction and installation of electric service lifts (will implement EN 81/3);*
- *Part 4¹⁾: Safety rules for the construction and installation of hydraulic service lifts (will implement EN 81/4, if published);*
- *Part 5: Specification for dimensions of standard electric lift arrangements (implementing ISO 4190/1 and ISO 4190/3);*
- *Part 6²⁾: Code of practice for lifts;*
- *Part 7²⁾: Specification for control devices, signals and additional fittings (will implement ISO 4190/5);*
- *Part 8: Specification for eyebolts for lift suspension;*
- *Part 9²⁾: Specification for guide rails (will implement ISO 7465).*

Subsequent Parts will deal with testing, inspection, etc.

This Part of this standard relates to eyebolts which are subjected to axial loading **only**.

The eyebolts are intended for use in conjunction with wire ropes complying with BS 329 and with thimbles complying with BS 464.

In the mechanical properties listed in Table 1 of this standard the working load limits are based upon one-twelfth of the minimum breaking load of the relevant wire rope and also upon one-tenth of the minimum breaking load of the respective eyebolt.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ Not yet in course of preparation.

²⁾ In course of preparation.