

Specification for

Hydraulic trolley jacks

UDC 629.119:621.866 – 82.001.4.004.15:620.1

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

BSI
Documents



Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Mechanical Handling Standards Committee (MHE/-) to Technical Committee MHE/12, upon which the following bodies were represented:

- Associated Offices Technical Committee
- Association of Loading and Elevating Equipment Manufacturers
- British Ports Federation and the National Association of Ports Employers
- British Railways Board
- British Telecommunications plc
- Construction Plant-Hire Association
- Department of Health and Social Security
- Department of Trade and Industry (Mechanical Engineering and Manufacturing Technology Division) (MMT)
- Electricity Supply Industry in England and Wales
- Federation of Wire Rope Manufacturers of Great Britain
- Garage Equipment Association
- Health and Safety Executive
- International Powered Access Federation
- London Regional Transport

This British Standard, having been prepared under the direction of the Mechanical Handling and Automobile Standards Committee, was published under the authority of the Board of BSI and comes into effect on 31 January 1989

© BSI 02-2000

First published May 1970
First revision January 1989

The following BSI references relate to the work on this standard:
Committee reference MHE/12
Draft for comment 87/76136 DC

ISBN 0 580 17093 4

Amendments issued since publication

Amd. No.	Date of issue	Comments

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Definitions and nomenclature	1
3 General	1
4 Performance	3
5 Corrosion prevention and packaging	3
6 Marking	3
7 Documentation	3
Appendix A Overload type test	4
Appendix B Stability type test	4
Appendix C Proof test	4
Appendix D Typical dimensions of types of hydraulic trolley jack (for information)	4
Figure 1 — Hydraulic trolley jack	2
Figure 2 — Hydraulic trolley jack positioned on inclined plane for stability type test	4
Table 1 — Typical dimensions of general purpose and long reach jacks	5
Table 2 — Typical dimensions of light duty jacks	5
Table 3 — Typical dimensions of kerb jacks	5
Table 4 — Typical dimensions of high lift jacks	5
Publications referred to	Inside back cover

Foreword

This British Standard has been prepared under the direction of the Mechanical Handling and Automobile Standards Committee and it supersedes BS AU 154:1970, which is withdrawn.

BS AU 154:1970, which was the first edition, sought to specify the requirements necessary to ensure that hydraulic trolley jacks are efficient and safe in use, without thereby inhibiting individual design. This was achieved by not specifying definite values but instead by allowing a range of values or, in most cases, by quoting a maximum or minimum value only.

The main features of the previous edition have been retained in this revision. However, in addition certain design requirements have been specified and light duty jacks, intended for domestic use, have been included. The test requirements have also been changed.

Appendix A and Appendix B describe type tests for strength and stability, Appendix C describes a proof test to be applied to each jack and Appendix D gives tables of some typical dimensions of jacks.

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.