

Specification for

Control symbols for powered industrial trucks

[ISO title: Powered industrial trucks — Control symbols]

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The Mechanical Engineering Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following Government departments and professional and industrial organizations:

Associated Offices Technical Committee*	Department of Trade (Marine Division)
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Association of Hydraulic Equipment Manufacturers	Electricity Supply Industry in England and Wales
Association of Mining Electrical and Mechanical Engineers	Engineering Equipment Users' Association*
British Compressed Air Society	Federation of Manufacturers of Construction Equipment and Cranes
British Electrical and Allied Manufacturers' Association (BEAMA)	Health and Safety Executive*
British Gas Corporation	Institution of Gas Engineers
British Gear Manufacturers' Association	Institution of Mechanical Engineers
British Internal Combustion Engine Manufacturers' Association	Institution of Plant Engineers
British Pump Manufacturers' Association	Institution of Production Engineers
British Steel Corporation	Lloyd's Register of Shipping
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British Valve Manufacturers' Association Ltd.	Machine Tool Industry Research Association
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Department of the Environment (PSA)	Oil Companies Materials Association
Department of Industry, Mechanical Engineering*	Process Plant Association
Department of Industry, National Engineering Laboratory	Society of Motor Manufacturers and Traders Limited
	Telecommunication Engineering and Manufacturing Association (TEMA)
	Water-tube Boilermakers' Association

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

British Industrial Truck Association	Contractors' Plant Association
British Ports Association	Cranfield Institute of Technology
Castor Manufacturers' (UK) Association	Food Manufacturers' Federation Incorporated
Chemical Industries Association	Metal Packaging Manufacturers' Association

This British Standard, having been prepared under the direction of the Mechanical Engineering Standards Committee, was published under the authority of the Executive Board and comes into effect on 31 December 1979

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The following BSI references relate to the work on this standard:
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National foreword

This British Standard has been prepared under the direction of the Mechanical Engineering Standards Committee.

BS 5829 is identical with ISO 3287 “*Powered industrial trucks — Control symbols*” published by the International Organization for Standardisation (ISO). ISO 3287 was drawn up by Technical Committee ISO/TC110, Industrial trucks.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication, without deviation, as a British Standard. Some terminology and certain conventions are not identical with those used in British Standards; attention is especially drawn to the following.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

Cross-references

International Standard	Corresponding British Standard
ISO 1000:1973	BS 5555:1976 <i>SI units and recommendations for use of their multiples and of certain other units</i> (Identical)
ISO 3691:1977	BS 4430 <i>Safety of powered industrial trucks</i> Part 1:1969 <i>Manufacture</i> Part 2:1969 <i>Operation and maintenance</i> (Related)

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.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, 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 Scope and field of application

This International Standard defines symbols which will provide for the development of symbolic language of operator controls on powered industrial trucks. The symbols are divided into 3 sections:

Section 1: Symbols for load handling;

Section 2: Symbols for other operational controls involving action;

Section 3: Symbols for information or identification only.

2 Reference

ISO 3691, *Powered industrial trucks — Safety code*.

3 Reproduction of the symbols

Reproduction, including enlargement or reduction of symbol size, should be by a photographic or similar process to retain exact proportion and line thickness. In order to comply with national standards, changes in proportion of the symbols are permitted, but such changes shall not alter or modify the substantive contents and meaning of the symbol.

Section 1. Symbols for load handling

4 Use of symbols

4.1 Symbols shall be durable and provide contrast with surrounding materials.

4.2 Symbols shall be located on or adjacent to the control lever for the function depicted in a manner to avoid confusion or misunderstanding.

4.3 The direction of movement of controls in relation to the movement of parts or function controlled are set forth in ISO 3691. These motions may be categorized as follows:

Type of lever	Motion of lever relative to operator	
	Pull	Push
a) Control levers where the knob moves in a substantially horizontal plane		
b) Control levers where the knob moves in a substantially vertical plane	Raise	Lower

4.4 The location and arrangement of push-buttons when used to control movement of parts or function controlled are set forth in ISO 3691. These arrangements may be related to the corresponding movement of levers in such a manner that the pushing of a button causes the same movement as though the button represented location of a handle after it had been moved; the horizontal arrangement of push-buttons should be related to the motion of a vertical lever while the vertical arrangement of push-buttons should be related to the motion of a horizontal lever. See the following table.