

Guide to

Application of additional symbols (and index) for machine tools —

[Supplement to BS 3641]

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- 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 Published Document:

- Ball and Roller Bearing Manufacturers' Association
- Department of the Environment (PSA)
- Federation of British Engineers' Tool Manufacturers
- University of Aston in Birmingham
- University of Manchester Institute of Science and Technology

Amendments issued since publication

Amd. No.	Date of issue	Comments
3408	November 1980	Indicated by a sideline in the margin

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The following BSI references relate to the work on this document:
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Foreword

This guide has been prepared as an interim measure pending the complete revision of BS 3641 “*Symbols for machine tools — Part 1: General symbols*” and Part 3: “*Additional general symbols*”, which will be effected when the revision of ISO/R 369:1963 “*Symbols for indications appearing on machine tools*”, published by the International Organization for Standardization (ISO), has been completed. This ISO work will not be completed for about three years as it is dependent upon the completion of a related document (ISO/DIS 7000) covering symbols on a general basis by ISO/Technical Committee 145, Graphic symbols.

This document is an extension to the range of symbols in BS 3641-1 and BS 3641-3, which deal with general mechanical symbols. Symbols associated with numerically controlled machine tools are given in BS 3641-2.

As this document simply gives an addition to the list of symbols in BS 3641-1, BS 3641-2 and BS 3641-3, it cannot be used effectively in isolation, but only in conjunction with symbols given in BS 3641.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 14, 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

This Published Document contains additions to the range of symbols given in BS 3641-1, BS 3641-2 and BS 3641-3, which are intended for use on an interim basis until the complete revision of BS 3641 can be carried out. This document also contains an index which relates to BS 3641-1, BS 3641-2 and BS 3641-3, and this Published Document.

2 Classification

The symbols in this document have not been specifically classified into groups, as has been done with BS 3641, because it is not considered necessary for the purposes of this particular document.

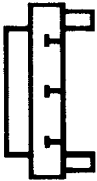
3 Numbering of symbols

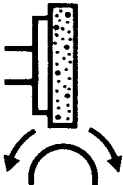
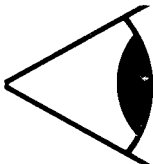
In order to avoid confusion with work currently in hand in the International Organization for Standardization (ISO) and with the existing BS 3641, the symbols in this document have been allocated a different numbering system. In fact they are merely numbered in numerical order.

4 References

The titles of the publications referred to in this document are listed on the inside back cover.

5 List of symbols

No.	Designation	Symbol	Remarks	Example
1	Incremental rectilinear motion			
2	Rectilinear repeated positioning			
3	Overtravel, rectilinear			
4	Rotary repeated positioning			
5	Overtravel, rotary			
6	Faceplate			

No.	Designation	Symbol	Remarks	Example
7	Grinding, radius attachment			
8	Magnetic plate: rectangular			
9	Magnetic plate: round			
10	Tools: rotary		Basic symbol	
11	Tools: stationary single point		Basic symbol	
12	Centreless grinding/abrasive wheel			
13	Examine: check		Instructions to operator or maintainer	
14	Tools: single point truing/dressing tool			
15	Workpiece/product gripping device			