BRITISH STANDARD

BS 4361-10: 1988
ISO 7571:1986

Woodworking machines —

Part 10: Specification for surface planing machines with cutterblock for one-side dressing

[ISO title: Woodworking machines — Surface planing machines with cutterblock for one-side dressing — Nomenclature and acceptance conditions]

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Committees responsible for this British Standard

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Advanced Manufacturing Technology Research Institute
British Furniture Manufacturers' Federation
British Railways Board
British Woodworking Federation
Department of the Environment, Building Research Establishment (Princes Risborough Laboratory)
Department of Trade and Industry, Mechanical Engineering and Manufacturing Technology Division (Mmt)
Federation of British Hand Tool Manufacturers
Furniture Industry Research Association
Furniture, Timber and Allied Trades Union
Health and Safety Executive
Institute of Machine Wood Working Technology Ltd.
National Sawmilling Association
Saw Association
Timber Research and Development Association
Union of Construction, Allied Trades and Technicians
Woodworking Machinery Suppliers Association Ltd.

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National foreword

This Part of BS 4361 has been prepared under the direction of the Machine, Engineers and Hand Tools Standards Committee and implements agreements of the International Organization for Standardization (ISO). It is identical with ISO 7571:1986 "*Woodworking machines — Surface planing machines with cutterblock for one-side dressing — Nomenclature and acceptance conditions*".

Together with BS 4361-4 to BS 4361-9 and BS 4361-11 and BS 4361-12, this Part of BS 4361 supersedes BS 4361-2:1968 which is withdrawn.

Diagrams. For reasons of simplicity the diagrams in this standard illustrate only one type of machine.

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

The comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words "this International Standard" appear, referring to this standard, they should be read as "this Part of BS 4361".

Cross-references

International Standard	Corresponding British Standard
ISO 230-1:1986	BS 3800:1964 *Methods for testing the accuracy of machine tools* (Technically equivalent)

In clauses **1** and **2** reference is made to ISO 7984 for information only.

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 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.

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1 Scope and field of application

This International Standard specifies the appropriate terminology for each part of the machine and, with reference to ISO 230-1, the geometrical tests for surface planing machines with cutterblock for one-side dressing; it also gives the corresponding permissible deviations which apply to machines of general purpose use and normal accuracy.

NOTE In addition to terms used in two of the three official ISO languages (English and French), this International Standard gives the equivalent terms in German, Spanish, Italian and Swedish in an Annex; these have been included at the request of Technical Committee ISO/TC 39 and are published under the responsibility of the member bodies for Germany, F.R. (DIN), Spain (IRANOR), Italy (UNI) and Sweden (SIS). However, only the terms given in the official languages can be considered as ISO terms.

This International Standard deals only with the verification of accuracy of the machine. It does not apply to testing the running of the machine (vibrations, abnormal noises, stick-slip motion of the components, etc.), nor to its characteristics (speeds, feeds, etc.) which should generally be checked before testing accuracy.

This International Standard does not impose any practical test for surface planing machines with cutterblock for one-side dressing. Practical tests should be exceptions and have to be stated in a previous agreement between the manufacturer and the user.

This International Standard applies to those machines designated by the number 12.211.1 in ISO 7984.

2 References

ISO 230-1, *Acceptance code for machine tools — Part 1: Geometric accuracy of the machine operating under no load or finishing conditions.*

ISO 7984, *Woodworking machines — Technical classification of woodworking and auxiliary machines*[1].

3 Preliminary remarks

3.1 In this International Standard all dimensions and permissible deviations are expressed in millimetres.

3.2 To apply this International Standard, reference should be made to ISO 230-1, especially for installation of the machine before testing, the warming up of the cutterblock and other moving parts, and description of measuring methods. The measuring instruments shall not permit errors over 1/3 of the tolerances being checked.

3.3 The sequence in which the geometrical tests are given is related to the sub-assemblies of the machine and this in no way defines the practical order of testing. In order to make the mounting of instruments or gauging easier, tests may be applied in any order.

3.4 It is not always possible nor necessary to carry out all the tests given in this International Standard.

3.5 It is up to the user to choose, in agreement with the manufacturer, those tests relating to the properties which are of interest to him, but these tests shall be clearly stated when ordering a machine.

3.6 A movement is longitudinal when it takes place in the working direction of the piece.

3.7 When establishing the tolerance for a measuring range different from that given in this International Standard (see clause **2.311** in ISO 230-1), it should be taken into consideration that the minimum value of the tolerance is 0,01 mm.

[1] At present at the stage of draft.

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