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SAFETY OF WOODWORKING MACHINES - TENONING MACHINES - PART 1: SINGLE END TENONING MACHINES WITH SLIDING TABLE

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CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 142 "Woodworking machines - Safety", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2000, and conflicting national standards shall be withdrawn at the latest by February 2000.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this standard.

Organisations contributing to the preparation of this European standard include the European Committee of Woodworking Machinery Manufacturers Association "EUMABOIS".

Normative and informative annexes to this standard are listed in the Contents list.

The European Standards produced by CEN/TC142 are particular to woodworking machines and complement the relevant A and B standards on the subject of general safety (see introduction of EN 292-1 : 1991 for a description of A, B and C standards).

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This European standard has been prepared to be a harmonised standard to provide one means of conforming to the essential safety requirements of the Machinery Directive, and associated EFTA regulations. This European Standard is a type “C” standard as defined in EN 292 : 1991.

The extent to which hazards are covered is indicated in the scope of this standard.

The requirements of this standard concern designers, manufacturers, suppliers and importers of single end tenoning machines with sliding table.

This European Standard also includes information to be provided by the manufacturer to the user.

Common requirements for tooling are given in EN 847-1 : 1997.

1 Scope

This European Standard specifies the requirements and/or measures to remove the hazards and limit the risks on single end tenoning machines with sliding table, hereinafter referred to

as “machines”, designed to cut solid wood, chipboard, fibreboard, plywood and also these materials where they are covered with plastic laminate or edgings.

This European Standard covers all the hazards relevant to this machine. These hazards are listed in 4. This European standard does not cover the hazards related to Electromagnetic compatibility (EMC) as stated in the EMC directive 89/336 EEC dated 03.05.89.

This standard does not apply to :

a) machines where the tenon is produced only by means of saw blades;

b) machines where the design speed of any tool spindle exceeds 6000 min^{-1};

c) machines where the average sliding table feed speed in either direction exceeds 25 m min^{-1} + 5%;

d) combined machines used for tenoning (see EN 940 : 1997);

e) tenoning attachments on a vertical spindle moulding machine (see EN 848-1 : 1997).

NOTE : Single and double end tenoning machines fed by chain or chains are dealt with in prEN 1218-2. Single end tenoning machines where the tenon is produced only by means of saw blades are dealt with in prEN 1218-3.

This European Standard is primarily applicable to machines which are manufactured after the date of issue of his standard.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 292 - 1 :	1991	Safety of machinery - Basic concepts - General principles for design - Part 1 : Basic terminology, methodology
EN 292 - 2 : EN 292-2/ A1 :	1991 1995	Safety of machinery - Basic concepts - General principles for design - Part 2 : Technical principles and specifications
EN 294 :	1992	Safety of machines - Safety distances to prevent danger zones being reached by the upper limbs
EN 349 :	1993	Safety of machinery - Minimum distances to avoid crushing of parts of the human body
EN 418 :	1992	Safety of machinery - Emergency stop equipment - Functional aspects - Principles for design