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ICS 79.120.10

SAFETY OF WOODWORKING MACHINES - TENONING MACHINES - PART 3: HAND FED TENONING MACHINES WITH SLIDING TABLE FOR CUTTING STRUCTURAL TIMBERS

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English version

Safety of woodworking machines - Tenoning machines - Part 3: Hand fed tenoning machines with sliding table for cutting structural timbers

Sécurité des machines à bois - Tenonneuses - Partie 3: Machines à avance manuelle et à table roulante pour la coupe des éléments de charpente de toit en bois

Sicherheit von Holzbearbeitungsmaschinen - Zapfenschneid- und Schlitzmaschinen - Teil 3: Abbundmaschinen mit von Hand bewegtem Schiebetisch

This European Standard was approved by CEN on 30 September 2001.

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 Management Centre 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 Management Centre 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.

EUROPEAN COMMITTEE FOR STANDARDIZATION
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Contents

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of an identical text or by endorsement, at the latest by April 2002, and conflicting national standards shall be withdrawn at the latest by April 2002.

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

For relationship with EC Directive(s), see informative annex ZA, which is an integral part of this document.

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

The annexes A, B, C and D are normative and annexes E and ZA are informative.

This standard includes a Bibliography.

The European Standards produced by CEN/TC 142 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.

0 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 292-1 : 1991.

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

The requirements of this European Standard concern designers, manufacturers, suppliers and importers of hand fed tenoning machines with sliding table for cutting structural timbers.

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 sets out the requirements and/or the measures to remove the hazards and limit the risks on hand fed tenoning machines with sliding table for cutting structural timbers, hereinafter referred to as "machines".

This European Standard does not apply to :

- machines where the tenon is produced by means of milling tools;
- machines designed for a tool spindle speed exceeding 6000 min^{-1};
- machines where the cuts are made on both ends of the workpiece during one cycle;
- combined machines used for tenoning (see EN 940 : 1997);
- the tenoning attachment on a vertical spindle moulding machine (see EN 848-1 : 1998).

This European Standard covers the hazards relevant to this machine as listed in clause 4.

For Computer Numerically Controlled (CNC) machines this European Standard does not cover hazards related to Electro-Magnetic Compatibility (EMC).

This European Standard is primarily directed to machines which are manufactured after the date of issue of this European 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 (including amendments).

EN 292-1 :	1991	*Safety of machinery - Basic concepts, general principles for design - Part 1 : Basic terminology and 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 418 :	1992	*Safety of machines - Emergency stop equipment - Functional aspects -- Principles for design.*
EN 847-1 :	1997	*Tools for woodworking - Safety requirements – Part 1 : Milling tools and circular sawblades.*