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Irish Standard
I.S. EN 859:2007+A2:2012

Safety of woodworking machines - Hand fed surface planing machines

I.S. EN 859:2007+A2:2012

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English Version

Safety of woodworking machines - Hand fed surface planing machines

Sécurité des machines pour le travail du bois - Machines à dégauchir à avance manuelle

Sicherheit von Holzbearbeitungsmaschinen - Abrichthobelmaschinen mit Handvorschub

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

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Foreword

This document (EN 859:2007+A2:2012) has been prepared by Technical Committee CEN/TC 142 "Woodworking machines - Safety", the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by December 2012, and conflicting national standards shall be withdrawn at the latest by December 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document includes Amendment 1, approved by CEN on 2009-10-24 and Amendment 2, approved by CEN on 2012-05-13.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **[A1]** **[A2]** and **[A3]**.

This document supersedes **[A2]** EN 859:2007+A1:2009 **[A2]**.

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 the **[A2]** Machinery EU Directive **[A2]**.

[A2] For relationship with Machinery EU Directive, see informative Annex ZA, which is an integral part of this document. **[A2]**



Organisation contributing to the preparation of this document include the European Association of Manufacturer of Woodworking Machines "EUMABOIS".

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 **[A2]** EN ISO 12100:2010 **[A2]** 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, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This document 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 document is a type C standard as stated in  EN ISO 12100:2010 .

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this document.

When provisions of this type C standard are different from those which are stated in type A or B standards, the provisions of this type C standard take precedence over the provisions of other standards, for machines that have been designed and built according to the provisions of this type C standard.

The requirements of this document are directed to manufacturers and their authorised representatives of hand fed surface planing machines. They are also useful for designers and importers.

This document also includes examples of provisions and examples of information to be provided by the manufacturer to the user.

Common requirements for tooling are given in  EN 847-1:2005+A1:2007 .

1 Scope

This document ^{A1} specifies all significant ^{A1} hazards, hazardous situation and events as listed in Clause 4 relevant to stationary and displaceable hand fed surface planing machines fitted or not with demountable power feed unit hereinafter referred to as "machines" designed to cut solid wood, chipboard, fibreboard and plywood when they are used as intended and under the conditions foreseen by the manufacturer ^{A2} including reasonably foreseeable misuse ^{A2}.

^{A2} Machines which are designed to work wood based materials may also be used for working hardened plastic materials with similar physical characteristics as wood. ^{A2}

This document does not apply to:

- a) machines set up on a bench or a table similar to a bench, which is intended to carry out work in a stationary position, capable of being lifted by one person by hand;

NOTE 1 Transportable motor-operated electric tools are dealt with by ^{A2} EN 61029-1:2009 ^{A2} together with ^{A2} EN 61029-2-3:2009 ^{A2}.

- b) hand held planers or any adaptation permitting their use in a different mode, i.e. bench mounting.

NOTE 2 Hand-held motor-operated electric tools are dealt with by ^{A2} EN 60745-1:2009 ^{A2} together with ^{A2} EN 60745-2-14:2009 ^{A2}.

This document is not applicable to hand fed surface planing machines which are manufactured before the date of its publication as EN.

NOTE 3 Machines covered by this document are listed under ^{A2} 2 ^{A2} of Annex IV of the Machinery Directive.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

^{A1} *deleted text* ^{A1}

^{A2} EN 847-1:2005+A1:2007 ^{A2}, *Tools for woodworking — Safety requirements — Part 1: Milling tools, circular saw blades*

^{A2} *deleted text* ^{A2}

^{A2} EN 1005-2:2003+A1:2008 ^{A2}, *Safety of machinery — Human physical performance — Part 2: Manual handling of machinery and component parts of machinery*

^{A2} EN 1005-4:2005+A1:2008 ^{A2}, *Safety of machinery — Human physical performance — Part 4: Evaluation of working postures and movements in relation to machinery*

^{A2} EN 1037:1995+A1:2008 ^{A2}, *Safety of machinery — Prevention of unexpected start-up*

EN 50178:1997, *Electronic equipment for use in power installations*

EN 50370-1:2005, *Electromagnetic compatibility (EMC) — Product family standard for machine tools — Part 1: Emission*

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