



**NSAI**  
Standards

Irish Standard  
I.S. EN 1870-6:2002+A1:2009

Safety of woodworking machines -  
Circular sawing machines - Part 6:  
Circular sawing machines for firewood  
and dual purpose circular sawing  
machines for firewood/circular saw  
benches, with manual loading and/or  
unloading

## I.S. EN 1870-6:2002+A1:2009

*Incorporating amendments/corrigenda issued since publication:*

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English Version

**Safety of woodworking machines - Circular sawing machines -  
Part 6: Circular sawing machines for firewood and dual purpose  
circular sawing machines for firewood/circular saw benches, with  
manual loading and/or unloading**

Sécurité des machines pour le travail du bois - Machines à  
scies circulaires - Partie 6: Scies circulaires à chevalet  
et/ou à table pour la coupe du bois de chauffage, avec  
chargement et/ou déchargement manuel

Sicherheit von Holzbearbeitungsmaschinen -  
Kreissägemaschinen - Teil 6:  
Brennholzkreissägemaschinen und kombinierte Brennholz-  
und Tischkreissägemaschinen, mit Handbeschickung  
und/oder Handentnahme

This European Standard was approved by CEN on 8 November 2001 and includes Amendment 1 approved by CEN on 13 August 2009.

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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 CEN Management Centre has the same status as the official versions.





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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## Foreword

This document (EN 1870-6:2002+A1:2009) has been prepared by Technical Committee 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of an identical text or by endorsement, at the latest by March 2010, and conflicting national standards shall be withdrawn at the latest by March 2010.

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 2009-08-13.

This document supersedes EN 1870-6:2002.

The start and finish of text introduced or altered by amendment is indicated in the text by tags  $\square_{A1}$   $\square_{A1}$ .

$\square_{A1}$  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 the Machinery Directive.

For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document.  $\square_{A1}$

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

Annexes A, B, C, D, E, F and G are normative and  $\square_{A1}$  Annexes ZA and ZB  $\square_{A1}$  are informative.

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  $\square_{A1}$  EN ISO 12100-1:2003  $\square_{A1}$  for a description of A, B and C standards).

$\square_{A1}$  EN 1870 *Safety of woodworking machines — Circular sawing machines* consists of the following parts:

*Part 1: Circular saw benches (with and without sliding table), dimension saws and building site saws*

*Part 3: Down cutting cross-cut saws and dual purpose down cutting cross-cut saws/circular saw benches*

*Part 4: Multi-blade rip sawing machines with manual loading and/or unloading*

*Part 5: Circular saw -benches/up-cutting cross-cut sawing machines*

*Part 6: Circular sawing machines for firewood and dual purpose circular sawing machines for firewood/circular saw benches, with manual loading and/or unloading*

*Part 7: Single blade log sawing machines with integrated feed table and manual loading and/or unloading*

*Part 8: Single blade edging circular rip sawing machines with power driven saw unit and manual loading and/or unloading*

*Part 9: Double blade circular sawing machines for cross-cutting with integrated feed and with manual loading and/or unloading*

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*Part 10: Single blade automatic and semi-automatic up-cutting cross-cut sawing machines*

*Part 11: Semi-automatic and automatic horizontal cross-cut sawing machines with one saw unit (radial arm saws)*

*Part 12: Pendulum cross-cut sawing machines*

*Part 13: Horizontal beam panel sawing machines*

*Part 14: Vertical panel sawing machines*

*Part 15: Multi-blade cross-cut sawing machines with integrated feed of the workpiece and manual loading and/or unloading*

*Part 16: Double mitre sawing machines for V-cutting*

*Part 17: Manual horizontal cutting cross-cut sawing machines with one saw unit (manual radial arm saws) <sup>(A1)</sup>*

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, 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 and 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  $\text{A}_1$  EN ISO 12100-1:2003  $\text{A}_1$ .

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 circular sawing machines for firewood and dual-purpose circular sawing machines for firewood/circular saw benches, with manual loading and/or unloading.

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

Common requirements for tooling are given in  $\text{A}_1$  EN 847-1:2005  $\text{A}_1$ .

## 1 Scope

$\text{A}_1$  This document deals with all significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to firewood and dual-purpose circular sawing machines for firewood/circular saw benches, with manual loading and/or unloading, hereinafter referred to as “machines”, designed to cut solid wood.  $\text{A}_1$

On Combined circular sawing machines for firewood - Log splitting machines only the circular sawing machine for firewood is covered by this European Standard. For the requirements for the log splitting part of this machine see EN 609-1: 1999 and EN 609-2: 1999.

$\text{A}_1$  *deleted text*  $\text{A}_1$

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

This European Standard does not apply to:

- log sawing machines where the saw unit moves to cut the workpiece;
- machines where the saw blade is capable of tilting;
- $\text{A}_1$  hand-held motor-operated electric tools or any adaptation permitting their use in a different mode, i.e. bench mounting;  $\text{A}_1$

$\text{A}_1$  NOTE 1 Hand-held motor-operated electric tools and saw benches to form an integrated whole with a hand-held motor-operated electric tools are covered by EN 60745-1:2006 together with EN 60745-2-5:2007.  $\text{A}_1$

- machines driven by an internal combustion engine

This European Standard is primarily directed at machines which are manufactured after the date of issue of this European Standard.

$\text{A}_1$  NOTE 2  $\text{A}_1$  Machines covered by this European Standard are listed under A.1.1 and/or A.1.2 of annex IV of the Machinery Directive

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