



**NSAI**  
Standards

Irish Standard  
I.S. EN 1807-2:2013

# Safety of woodworking machines - Band sawing machines - Part 2: Log sawing machines

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## I.S. EN 1807-2:2013

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## Safety of woodworking machines - Band sawing machines - Part 2: Log sawing machines

Sécurité des machines pour le travail du bois - Machines à  
scier à ruban - Partie 2: Scies à grumes

Sicherheit von Holzbearbeitungsmaschinen -  
Bandsägemaschinen - Teil 2: Blockbandsägemaschinen

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## Foreword

This document (EN 1807-2:2013) 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of an identical text or by endorsement, at the latest by September 2013, and conflicting national standards shall be withdrawn at the latest by September 2013.

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, together with EN 1807-1:2013, supersedes EN 1807:1999+A1:2009.

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 Machinery Directive 2006/42/EC.

For relationship with EU Directive 2006/42/EC, see informative Annex ZA, which is an integral part of this document.

The following significant technical changes have been made in this new edition:

- for controls, the requirement of Performance Level according to EN ISO 13849-1 instead of categories according to EN 954-1;
- a more complete clause with set of requirements for "Emission of chips and dust";
- requirement for guard-locking on interlocked movable guards to prevent access to moving parts, of type N of EN 1088 when the band saw blade run-down time is maximum 10 s and of type M when the run-down time exceeds 10 s.

EN 1807, *Safety of woodworking machines — Band sawing machines* consists of the following parts:

- *Part 1 Table band saws and band re-saws;*
- *Part 2 Log sawing machines.*

Organisations contributing to the preparation of this European Standard include European Committee of Woodworking Machinery Manufacturers Association "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 EN ISO 12100:2010 for a description of A, B and C standards).

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, 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 defined 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 log band saws, with and without travelling table, reciprocating carriage, moving head rig or conveyor feed. They are also useful for designers.

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

## 1 Scope

This European Standard deals with all significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to stationary and displaceable log band sawing machines with either manual or automatic loading and/or unloading, hereinafter referred to as “machines”, designed to cut solid wood, when they are used as intended and under the conditions foreseen by the manufacturer, including reasonably foreseeable misuse.

This European Standard does not apply to:

- a) table band saws and band re-saws;

NOTE 1 Table band saws and band re-saws are covered by EN 1807-1.

- b) specific hazards related to automatic loading and/or unloading;
- c) any hazards relating to the combination of a single machine being used with any other machine (as part of a line – e.g. loading and/or unloading automated systems);
- d) any hazards arising from any other machining processes (e.g. milling and sawing) related to associated machines or cutting groups, e.g. canters and circular saws.

This European Standard does not deal with the specific hazards related to thermal engine and P.T.O. equipment fitted to the machine.

This European Standard is not applicable to machines manufactured before the date of its publication as EN.

NOTE 2 Machines with manual loading and/or unloading covered by this document are listed under 4 of Annex IV of the Machinery Directive.

## 2 Normative references

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

EN 614-1:2006+A1:2009, *Safety of machinery — Ergonomic design principles — Part 1: Terminology and general principles*

EN 894-1:1997+A1:2008, *Safety of machinery — Ergonomics requirements for the design of displays and control actuators — Part 1: General principles for human interactions with displays and control actuators*

EN 894-2:1997+A1:2008, *Safety of machinery — Ergonomics requirements for the design of displays and control actuators — Part 2: Displays*

EN 894-3:2000+A1:2008, *Safety of machinery — Ergonomics requirements for the design of displays and control actuators — Part 3: Control actuators*

EN 1005-1:2001+A1:2008, *Safety of machinery — Human physical performance — Part 1: Terms and definitions*

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

EN 1005-3:2002+A1:2008, *Safety of machinery — Human physical performance — Part 3: Recommended force limits for machinery operation*



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