



**SLOVENSKI STANDARD**  
**SIST EN 1870-1:2007/kprA1:2008**

**01-oktober-2008**

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**Varnost lesnoobdelovalnih strojev - Krožne žage - 1. del: Delovne mize (s podajalno mizo ali brez nje), žage za rezanje na mero in žage na gradbišču**

Safety of woodworking machines - Circular sawing machines - Part 1: Circular saw benches (with and without sliding table), dimension saws and building site saws

Sicherheit von Holzbearbeitungsmaschinen - Kreissägemaschinen - Teil 1: Tischkreissägemaschinen (mit und ohne Schiebetisch), Formatkreissägemaschinen und Baustellenkreissägemaschinen

Sécurité des machines pour le travail du bois - Machines à scier circulaires - Partie 1: Scies circulaires à table de menuisier (avec ou sans table mobile), scies au format et scies de chantier

**Ta slovenski standard je istoveten z: EN 1870-1:2007/prA1**

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**ICS:**

25.080.60	Strojne žage	Sawing machines
79.120.10	Lesnoobdelovalni stroji	Woodworking machines

**SIST EN 1870-1:2007/kprA1:2008**      **en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**FINAL DRAFT**  
**EN 1870-1:2007**

**prA1**

June 2008

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ICS 79.120.10

English Version

**Safety of woodworking machines - Circular sawing machines -  
Part 1: Circular saw benches (with and without sliding table),  
dimension saws and building site saws**

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This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 142.

This draft amendment A1, if approved, will modify the European Standard EN 1870-1:2007. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN 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 1870-1:2007/prA1:2008) has been prepared by Technical Committee CEN/TC 142 "Woodworking machines - Safety", the secretariat of which is held by UNI.

This document is currently submitted to the Unique Acceptance Procedure.

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.

For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document.

**EN 1870-1:2007/prA1:2008 (E)****1 Modification to the Foreword**

*Replace the fifth paragraph with the following:*

"For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document."

**2 Modification to 5.4.5, Ergonomics and handling**

*After the last but one paragraph, add:* "Circular saw benches, dimension saws and building site saws components with a mass exceeding 25 kg shall include necessary attachments to accommodate the fitting of a lifting device e.g. lugs positioned such as to avoid their overturn or fall or move in an uncontrolled way during transport, assembly, dismantling, disabling and scrapping."

**3 Modification to 6.2.1, Marking of the machine**

*Replace the text in a) with the following:* "business name and address of the machine manufacturer and, where applicable, of his authorised representative;"

*Replace the text in b) with the following:* "year of construction, that is the year in which the manufacturing process is completed;"

*Replace the text in c) with the following:* "designation of the machinery and designation of series or type;"

**4 Modification to 6.3, Instruction handbook**

*In ff) and gg), add:*

"NOTE Information on noise emission should also be provided in the sales literature."

*Add:* "hh) information on conditions necessary to ensure that throughout the foreseeable lifetime the machine including its components cannot overturn or fall or move in an uncontrolled way during transport, assembly, dismantling, disabling and scrapping;"

*Add:* "ii) the operating method to be followed in the event of accident or breakdown; if a blockage is likely to occur, the operating method to be followed so as to enable the equipment to be safely unblocked;"

*Add:* "jj) the specifications of the spare parts to be used, when these affect the health and safety of operators."

**5 Modification to Annex ZA**

*In the second paragraph, delete "(except Annex J)" and in Table 1, delete ", Annex J" and the row concerning Annex J.*

## 6 Addition of Annex ZB

Add the following new Annex ZB:

"

### Annex ZB (informative)

#### Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide one means of conforming to Essential Requirements of the New Approach Machinery Directive 2006/42/EC.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the relevant Essential Requirements of that Directive and associated EFTA regulations.

**Table ZB.1 — Correspondence between this European Standard and Directive 2006/42/EC**

Clause(s)/sub-clause(s) of this EN	Essential Requirements (ERs) of Directive 2006/42/EC
	1.1.2 Principles of safety integration
5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.2.6, 5.2.7, 5.2.8, 5.3.6, 5.3.7, 5.3.8, 5.4.12, 6.3	a) fitted for its function
Clause 5, 6	b) eliminate risks, give measures, inform
Clause 5, 6	c) use
5.4.5, 6.3	d) constraints in use
5.3.1, 5.3.9, 5.4.9, 6.3	e) equipment
5.3.2, 5.3.3.6, 5.3.5, 5.3.6, 5.3.7.2, 5.4.3	1.1.3 Materials and products
6.3	1.1.4 Lighting
5.2.2, 5.3.7, 5.4.5	1.1.5 Design of machinery to facilitate its handling

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5.4.5	1.1.6 Ergonomics
5.2.2, 5.2.6, 5.2.7, 5.2.8, 5.2.9, 6.3	1.1.7 Operating position
5.2.1, 5.2.6, 5.2.7, 5.2.8, 5.2.11, 5.3.7.4, 5.4.8, 5.4.12	1.2.1 Safety and reliability of control systems
5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.2.6, 5.2.7, 5.2.8, 5.3.7.4.2, 6.3	1.2.2 Control devices
5.2.2, 5.2.3, 5.2.6, 5.2.7, 5.2.8, 5.3.7.4.2	1.2.3 Starting
5.2.2, 5.2.4, 5.2.5, 5.2.8, 5.3.7.4.2	1.2.4 Stopping
5.2.4	1.2.4.1 Normal stop
5.2.7, 5.2.8	1.2.4.2 Operational stop
5.2.5	1.2.4.3 Emergency stop
5.2.6	1.2.5 Mode selection
5.2.10, 5.4.6, 5.4.7, 5.4.12	1.2.6 Failure of the power supply
5.3.1, 6.3	1.3.1 Risk of loss of stability
5.3.2, 6.3	1.3.2 Risk of break-up during operation
5.3.2, 5.3.3, 5.3.5	1.3.3 Risks due to falling or ejected objects
5.1	1.3.4 Risk due to surfaces, edges or angles
5.2.7, 5.2.8	1.3.6 Risks relating to variations in the operating conditions
5.2.6, 5.2.8, 5.3.7	1.3.7 Risks related to moving parts
5.3.7.1, 5.3.7.2, 5.3.7.3, 5.3.7.4	1.3.8 Choice of protection against risks related to moving parts
5.3.7.5	1.3.8.1 Moving transmission parts
5.3.7.1, 5.3.7.2, 5.3.7.3, 5.3.7.4	1.3.8.2 Moving parts involved in the process
5.2.6, 5.2.8, 5.3.7.4, 5.3.8	1.3.9 Risk of uncontrolled movements
5.3.2, 5.3.6, 5.3.7, 5.3.8, 5.4.3	1.4.1 General requirements



5.3.7	1.4.2.1 Fixed guards
5.3.7	1.4.2.2 Interlocking movable guards
5.3.2, 5.3.6, 5.3.7	1.4.2.3 Adjustable guards restricting access
5.2.10, 5.4.4, 5.4.12	1.5.1 Electricity supply
5.4.10	1.5.2 Static electricity
5.2.10, 5.4.6, 5.4.7	1.5.3 Energy supply other than electricity
5.4.11	1.5.4 Errors of fitting
5.4.1	1.5.6 Fire
5.4.2	1.5.8 Noise
5.4.8	1.5.11 External radiation
5.4.9	1.5.12 Laser equipment
5.4.3	1.5.13 Emission of hazardous materials and substances
5.4.13	1.6.1 Machinery maintenance
5.2.2, 5.3.7, 5.4.13	1.6.2 Access to operating position and servicing points
5.4.12	1.6.3 Isolation of energy sources
5.2.2, 5.2.6, 5.2.7, 5.2.8, 5.3.7, 5.4.5, 5.4.13, 6.3	1.6.4 Operator intervention
5.4.3, 6.3	1.6.5 Cleaning of internal parts
5.2.1, 5.3.3, 5.4.5, 6.3	1.7.1 Information and warnings on the machinery
6.1	1.7.2 Warning devices
6.2	1.7.3 Marking of machinery
6.3	1.7.4 Instructions
	2.3 Machinery for working wood and analogous materials
5.3.6, 5.3.7	a) guiding
5.3.5	b) ejection