



SLOVENSKI STANDARD SIST EN ISO 19085-16:2022

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SIST EN 1807-1:2013

Lesnoobdelovalni stroji - Varnost - 16. del: Namizne tračne žage in žage za rezanje desk (ISO 19085-16:2021)

Woodworking machines - Safety - Part 16: Table band saws and band re-saws (ISO 19085-16:2021)

Holzbearbeitungsmaschinen - Sicherheit - Teil 16: Tischbandsägemaschinen und Trennbandsägemaschinen (ISO 19085-16:2021)

Machines à bois - Sécurité - Partie 16: Scies à table et scies à refendre (ISO 19085-16:2021)

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Ta slovenski standard je istoveten z: EN ISO 19085-16:2021

ICS:

13.110	Varnost strojev	Safety of machinery
25.080.60	Strojne žage	Sawing machines
79.120.10	Lesnoobdelovalni stroji	Woodworking machines

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en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 19085-16

November 2021

ICS 79.120.10; C

Supersedes EN 1807-1:2013

English Version

**Woodworking machines - Safety - Part 16: Table band
saws and band re-saws (ISO 19085-16:2021)**

Machines à bois - Sécurité - Partie 16: Scies à ruban à
table et scies à ruban à refendre (ISO 19085-16:2021)

Holzbearbeitungsmaschinen - Sicherheit - Teil 16:
Tischbandsägemaschinen und
Trennbandsägemaschinen (ISO 19085-16:2021)

This European Standard was approved by CEN on 20 August 2021.

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 CEN-CENELEC 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 CEN-CENELEC 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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 19085-16:2021) has been prepared by Technical Committee ISO/TC 39 "Machine tools" in collaboration with 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 May 2022, and conflicting national standards shall be withdrawn at the latest by May 2022.

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

This document supersedes EN 1807-1:2013.

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

For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZA, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 19085-16:2021 has been approved by CEN as EN ISO 19085-16:2021 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered

This European Standard has been prepared under a Commission's standardization request "M/396 Mandate to CEN and CENELEC for Standardisation in the field of machinery" to provide one voluntary means of conforming to essential requirements of Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast).

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of that Directive, and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Annex I of Directive 2006/42/EC

The relevant Essential Requirements of Directive 2006/42/EC	Clauses/sub-clauses of this EN	Remarks/Notes
1.1.2 Principles of safety integration		
a) fitted for its function	Clauses 4, 5, 6, 7	
b) eliminate or reduce the risks, give measures, inform	Clauses 4, 5, 6, 7	
c) intended use and reasonably foreseeable misuse	Clauses 4, 5, 6, 7	
d) constraints in use	6.5, 7.3	
e) equipment	5.1, 7.3	
1.1.3 Materials and products	5.2, 6.3, 6.8	
1.1.4 Lighting	6.6, 7.3	
1.1.5 Design of machinery to facilitate its handling	6.5	
1.1.6 Ergonomics	6.5	
1.2.1 Safety and reliability of control systems	4.1	
1.2.2 Control devices	4.2, 4.3, 4.4, 4.6, 4.7	
1.2.3 Starting	4.3	
1.2.4.1 Normal stop	4.4.2	
1.2.4.3 Emergency stop	4.4.4	
1.2.5 Selection of control or operating mode	4.6	
1.2.6 Failure of the power supply	4.8	
1.3.1 Risk of loss of stability	5.1, 7.3	

1.3.2 Risk of break-up during operation	5.2, 7.3	
1.3.3 Risks due to falling or ejected objects	5.2, 5.3, 5.5, 5.9, 7.3	
1.3.6 Risks relating to variations in the operating conditions	4.7	
1.3.7 Risks related to moving parts	5.6, 5.7, 7.3	
1.3.8 Choice of protection against risks related to moving parts	5.5, 5.6, 5.7, 7.3	
1.3.8.1 Moving transmission parts	5.6, 5.7	
1.3.8.2 Moving parts involved in the process	5.6	
1.3.9 Risk of uncontrolled movements	4.1	
1.4.1 General requirements	5.2, 5.5, 5.6, 5.9, 6.3	
1.4.2.1 Fixed guards	5.5.1	
1.4.2.2 Interlocking movable guards	5.5.2	
1.4.2.3 Adjustable guards restricting access	5.6.2	
1.4.3 Special requirements for protective devices	5.5.6	
1.5.1 Electricity supply	6.4, 6.13	
1.5.2 Static electricity	6.11	
1.5.3 Energy supply other than electricity	6.7, 6.8	
1.5.6 Fire	6.1, 6.11	
1.5.8 Noise	6.2	
1.5.11 External radiation	6.9	
1.5.12 Laser equipment	6.10	
1.5.13 Emission of hazardous materials and substances	6.3	
1.6.1 Machinery maintenance	6.14, 7.3	
1.6.2 Access to operating position and servicing points	4.2, 6.14, 7.3	
1.6.3 Isolation of energy sources	6.13, 7.3	
1.6.4 Operator intervention	5.5, 5.6, 7.3	
1.7.1 Information and warnings on the machinery	6.10, 7.1, 7.2	
1.7.2 Warning devices	6.10, 7.1	
1.7.3 Marking of machinery	7.2	
1.7.4 Instructions	6.10, 7.3, Annex F	
2.3 Machinery for working wood and analogous materials		

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a) guiding	5.10	
b) ejection		Not applicable for this type of machinery in the scope
c) brake	4.5, 5.4	
d) accidental tool contact	5.5, 5.6, 7.3	

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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INTERNATIONAL STANDARD

**ISO
19085-16**

First edition
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Woodworking machines — Safety — Part 16: Table band saws and band re-saws

Machines à bois — Sécurité —

Partie 16: Scies à ruban à table et scies à ruban à refendre

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 39, *Machine tools*, Subcommittee SC 4 *Woodworking machines*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 142, *Woodworking machines – Safety*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This document is intended to be used in conjunction with ISO 19085-1:2021, which gives requirements common to different machine types.

A list of all parts in the ISO 19085 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.