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Lesnoobdelovalni stroji - Varnost - 12. del: Stroji za izdelovanje čepov in utorov/profilni stroji (ISO 19085-12:2024)

Woodworking machines - Safety - Part 12: Tenoning/profiling machines (ISO 19085-12:2024)

Holzbearbeitungsmaschinen - Sicherheit - Teil 12: Zapfenschneid- und Schlitzmaschinen/Profiliermaschinen (ISO 19085-12:2024)

Machines à bois - Sécurité - Partie 12: Machines à tenonner-profiler (ISO 19085-12:2024)

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79.120.10	Lesnoobdelovalni stroji	Woodworking machines

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Woodworking machines - Safety - Part 12: Tenoning- profiling machines (ISO 19085-12:2024)

Machines à bois - Sécurité - Partie 12: Machines à
tenonner-profiler (ISO 19085-12:2024)

Holzbearbeitungsmaschinen - Sicherheit - Teil 12:
Zapfenschneid- und
Schlitzmaschinen/Profiliermaschinen (ISO 19085-
12:2024)

This European Standard was approved by CEN on 28 September 2024.

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European foreword

This document (EN ISO 19085-12:2024) 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of an identical text or by endorsement, at the latest by June 2025, and conflicting national standards shall be withdrawn at the latest by June 2025.

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 ISO 19085-12:2021.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

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Endorsement notice

The text of ISO 19085-12:2024 has been approved by CEN as EN ISO 19085-12:2024 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	Clause(s)/subclause(s) of this EN	Remarks/Notes
1.1.2 Principles of safety integration		
a) fitted for its function	Clauses 4, 5, 6, 7	
c) intended use and reasonably foreseeable misuse	Clauses 4, 5, 6, 7	
d) constraints in use	Clauses 4, 5, 6, 7	
1.1.3 Materials and products	6.3, 6.16	
1.1.4 Lighting	6.6, 7.3.1	
1.1.5 Design of machinery to facilitate its handling	6.5, 7.3	
1.1.6 Ergonomics	6.5	
1.2.1 Safety and reliability of control systems	4.1, 4.3, 6.7, 6.8	
1.2.2 Control devices	4.2, 4.3, 4.4, 4.6, 4.7	
1.2.3 Starting	4.3	
1.2.4 Stopping	4.4, 4.5, 5.4	
1.2.5 Selection of control or operating mode	4.6	
1.2.6 Failure of the power supply	4.8, 6.7, 6.8, 6.16	
1.3.1 Risk of loss of stability	5.1, 7.3	
1.3.2 Risk of break-up during operation	4.3, 5.2, 5.3, 5.9, 6.14, 7.3	
1.3.3 Risks due to falling or ejected objects	5.2, 5.3, 5.5, 5.8, 5.9, 7.3	
1.3.6 Risks relating to variations in the operating conditions	4.6, 4.7, 5.6	
1.3.7 Risks related to moving parts	5.5, 5.6, 5.7, 5.8, 7.3	

1.3.8 Choice of protection against risks related to moving parts	5.6, 5.7, 5.8	
1.3.9 Risk of uncontrolled movements	4.1, 4.3, 4.5, 4.8, 5.4	
1.4.1 General requirements	5.9	
1.4.2.1 Fixed guards	5.5.1	
1.4.2.2 Interlocking movable guards	5.5.2	
1.4.3 Special requirements for protective devices	5.5.3, 5.5.5, 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	
1.5.4 Errors of fitting	6.12	
1.5.5 Extreme temperatures	6.16	
1.5.6 Fire	6.1	
1.5.8 Noise	6.2, Annex F	
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, 6.17	
1.6.1 Machinery maintenance	6.14, 7.3	
1.6.2 Access to operating position and servicing points	6.14, 7.3	
1.6.3 Isolation of energy sources	6.13, 7.3	
1.6.4 Operator intervention	6.14, 7.3	
1.6.5 Cleaning of internal parts	6.14, 7.3	
1.7.1 Information and warnings on the machinery	6.10, 7.1, 7.2	
1.7.2 Warning of residual risks	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		
a) guiding	5.1, 5.10	
b) ejection	5.9, 7.3	
c) brake	4.5, 5.4	
d) accidental tool contact	5.6, 7.3	

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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.

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**International
Standard**

ISO 19085-12

**Woodworking machines — Safety —
Part 12:
Tenoning-profiling machines**

Machines à bois — Sécurité —

Partie 12: Machines à tenonner-profiler

**Second edition
2024-11**

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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 document 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 second edition cancels and replaces the first edition (ISO 19085-12:2021), which has been technically revised. The main changes are as follows:

- the Scope has been revised to specify that machines are intended for continuous production use, and other workable materials have been added;
- the list of significant hazards has been moved to the new [Annex A](#);
- the feed chains greasing mode (MODE 3) has been added in [4.6.2](#);
- [subclause 6.2](#) has been updated and a new full noise test code has been added in [Annex F](#);
- optional workpiece supporting devices have been added to the Scope, [Clause 3](#) and [5.10.6](#) to [5.10.9](#).

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

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