

ISO/~~DIS~~**FDIS** 19085-13:2023(E)

~~TC~~/SC-ISO/TC 39/SC 4

Secretariat: [UNI](#)

~~Second edition~~

~~Date: 2024-02-20~~12-26

## Woodworking machines — Safety —

### Part 13: Multi-blade rip sawing machines with manual loading and/or unloading

*Machines à bois — Sécurité —*

*Partie 13: Déligneuses multi-lames à chargement et/ou déchargement manuel*

ISO/FDIS 19085-13

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**ISO/FDIS 19085-13:2024(en)**

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ISO/FDIS 19085-13

<https://standards.iteh.ai/catalog/standards/iso/c2b84323-d5a7-4d2a-9178-bd204cb6b21b/iso-fdis-19085-13>

## Contents—Page

Foreword .....	v
Introduction .....	vi
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	2
4 Safety requirements and measures for controls .....	6
4.1 Safety and reliability of control systems .....	6
4.2 Control devices .....	6
4.3 Start .....	8
4.4 Safe stops .....	9
4.5 Braking function of tools .....	9
4.6 Mode selection .....	9
4.7 Tool speed changing .....	11
4.8 Failure of any power supply .....	11
4.9 Manual reset control .....	11
4.10 Standstill detection and monitoring .....	11
4.11 Machine moving parts speed monitoring .....	11
4.12 Time delay .....	11
4.13 Teleservice .....	11
4.14 Powered adjustments when guards are closed .....	12
5 Safety requirements and measures for protection against mechanical hazards .....	12
5.1 Stability .....	12
5.2 Risk of break-up during operation .....	12
5.3 Tool and tool fixing design .....	12
5.4 Braking .....	12
5.5 Safeguards .....	13
5.6 Prevention of access to hazardous moving parts .....	14
5.7 Impact hazard .....	15
5.8 Clamping devices .....	16
5.9 Measures against ejection .....	16
5.10 Workpiece support and guide .....	41
6 Safety requirements and measures for protection against other hazards .....	41
6.1 Fire .....	41
6.2 Noise .....	42
6.3 Emission of chips and dust .....	42
6.4 Electricity .....	42
6.5 Ergonomics and handling .....	42
6.6 Lighting .....	43
6.7 Pneumatics .....	43
6.8 Hydraulics .....	43
6.9 Electromagnetic compatibility .....	43
6.10 Laser .....	43
6.11 Static electricity .....	43
6.12 Errors of fitting .....	43
6.13 Isolation .....	43
6.14 Maintenance .....	43
6.15 Relevant but not significant hazards .....	43
7 Information for use .....	43

ISO/FDIS 19085-13:2024(en)

7.1 Warning devices .....43

7.2 Marking .....43

7.3 Instruction handbook.....44

Annex A (informative) List of significant hazards.....46

Annex B (informative) Performance level required .....49

Annex C (informative) Stability test .....51

Annex D (normative) Test for braking function .....52

Annex E (normative) Impact test for guards.....53

Annex F (normative) Noise test code .....54

Annex G (normative) Test for the anti-splinter system on machines with one chain conveyor ...57

Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered .....64

Bibliography .....67

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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](http://www.iso.org/directives)).

~~Attention is drawn to the possibility that some of the elements of this document may be involved in the subject of a patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see ).~~

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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 19085-13:2020), 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;
- the list of significant hazards has been moved to a new Annex A (and subsequent clauses and annexes have been renumbered);
- subclause 6.2 has been updated and a new full noise test code has been added in Annex F.

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](http://www.iso.org/members.html).

## Introduction

The ISO 19085 series provides technical safety requirements for the design and construction of woodworking machinery, as well as for the content of the relevant instruction handbook. It concerns designers, manufacturers, suppliers and importers of the machines specified in the Scope.

This document is a type-C standard as stated in ISO 12100:2010.

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organisations, market surveillance etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in the case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate at the drafting process of this document.

The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the Scope of this document.

When requirements of this type-C standard are different from those which are stated in type-A or type-B standards, the requirements of this type-C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the requirements of this type-C standard.

The curtain described in 6.9.3.1.5 “Type 3 anti-splinter curtain” as part of the relevant anti-splinter system is patented. However, the patent holder is willing to negotiate licences with other parties on a non-discriminatory basis on reasonable terms and conditions, and provided ISO with the relevant Patent Statement and Licensing Declaration.

The full set of requirements for a particular type of woodworking machine are those given in the part of the ISO 19085 series applicable to that type, together with the relevant requirements from ISO 19085-1:2021, to the extent specified in the Scope of the applicable part of the ISO 19085 series.

As far as possible, the safety requirements of parts of the ISO 19085 series refer to the relevant subclauses of ISO 19085-1:2021. Each part contains replacements and additions to the common requirements given in ISO 19085-1:2021.

All parts of the ISO 19085 series have the same structure, so that reference to ISO 19085-1:2021 is made always and only from and to the same subclause number at the last indent level.

Clauses 1 to 3 are specific to each part and, therefore are distinct from ISO 19085-1:2021, Clauses 1 to 3.

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For ~~Clauses 4~~ ~~Clauses 4~~ to ~~7~~ and the annexes, each subclause in ISO 19085-1:2021 is cited as either:

- confirmed as a whole;
- confirmed with additions;
- excluded entirely; or
- replaced with specific text.

This is indicated by one of the following possible statements:

- “ISO 19085-1:2021, [subclause/Annex], applies”;
- “ISO 19085-1:2021, [subclause/Annex], applies with the following additions.” or “ISO 19085-1:2021, [subclause/Annex], applies with the following additions, subdivided into further specific subclauses.”;
- “ISO 19085-1:2021, [subclause/Annex], does not apply.”;
- “ISO 19085-1:2021, [subclause/Annex], is replaced by the following text.” or “ISO 19085-1:2021, [subclause/Annex], is replaced by the following text, subdivided into further specific subclauses.”.

Other subclauses and annexes specific to this document are indicated by the introductory sentence: “Subclause/Annex specific to this document.”.

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