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**Lesnoobdelovalni stroji - Varnost - 16. del: Namizne tračne žage in žage za rezanje desk (ISO/DIS 19085-16:2026)**

Woodworking machines - Safety - Part 16: Table band saws and band re-saws (ISO/DIS 19085-16:2026)

Holzbearbeitungsmaschinen - Sicherheit - Teil 16: Tischbandsägemaschinen und Trennbandsägemaschinen (ISO/DIS 19085-16:2026)

Machines à bois - Sécurité - Partie 16: Scies à ruban à table et scies à ruban à refendre (ISO/DIS 19085-16:2026)

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79.120.10	Lesnoobdelovalni stroji	Woodworking machines

**oSIST prEN ISO 19085-16:2026**

**en,fr,de**

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# DRAFT International Standard

## ISO/DIS 19085-16

### 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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## ISO/DIS 19085-16:2026(en)

### 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)).

ISO draws attention to the possibility that the implementation of this document may involve the use 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.

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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 document is intended to be used in conjunction with ISO 19085-1:2026.

This second edition cancels and replaces the first edition (ISO 19085-16:2021), which has been technically revised.

The main changes are as follows:

- the way of reference from this document to ISO 19085-1:2026 has been simplified, as well as its explanation in Introduction, and aligned to ISO drafting rules;
- the verification methods at the end of each subclause have been deleted, since self-evident;
- [4.2](#), [4.6](#), [4.7.3](#), [5.10](#) have been subdivided, to follow the new subdivision in ISO 19085-1:2026;
- [5.4](#), [5.9](#) have been simplified in structure, for easier reading;
- [7.2](#), [7.3](#) have been rearranged, to follow the new arrangement in ISO 19085-1:2026;
- requirements for machines with sliding table have been added in [5.10.4.1](#);
- requirement for provisions to mount extension tables has been added in [5.10.4.2](#).

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).

## ISO/DIS 19085-16:2026(en)

### Introduction

The ISO 19085 series of International Standards 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.

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 case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate in 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.

In this document, a subclause can refer to the same subclause of ISO 19085-1:2026 or give specific requirements or both.

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# Woodworking machines — Safety —

## Part 16: Table band saws and band re-saws

### 1 Scope

This document gives the safety requirements and measures for table band saws and band resaws, with manual loading or unloading or both, capable of continuous production use, altogether referred to as “machines”.

The machines are designed to cut solid wood and material with similar physical characteristics to wood.

This document deals with all significant hazards, hazardous situations or hazardous events, listed in [Annex A](#), relevant to the machines when used as intended and under conditions of misuse which are reasonably foreseeable. Also, transport, assembly, adjustment, maintenance, dismantling, disabling and scrapping phases have been taken into account.

This document is also applicable to machines fitted with one or more of the following devices or additional working units, whose hazards have been dealt with:

- a) device to tilt the table;
- b) device to tilt the saw unit;
- c) hand operated sliding table.

This document does not apply to:

- machines driven by combustion engines or power take offs (PTO);
- log band sawing machines;  
Note Log band sawing machines are covered by EN 1807-2.
- horizontal band saws and band resaws;
- machines designed for cross-cutting of firewood.

This document does not deal with hazards related to the combination of a single machine being used with any other machine (as part of a line).

This document is not applicable to machines intended for use in potentially explosive atmospheres or to machines manufactured prior to the date of its publication.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 12100:2010, *Safety of machinery — General principles for design — Risk assessment and risk reduction*

ISO 19085-1:2026, *Woodworking machines — Safety — Part 1: Common requirements*

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ISO 4871:1996, *Acoustics — Declaration and verification of noise emission values of machinery and equipment*

ISO 13849-1:2023, *Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 12100:2010, ISO 13849-1:2023, ISO 19085-1:2026 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

#### 3.1

##### **band sawing machine**

sawing machine with one saw blade in the form of a continuous band mounted on and running between two or more band saw blade wheels

#### 3.2

##### **table band saw**

hand-fed *band sawing machine* (3.1) with a fixed or sliding or tiltable table or a tiltable saw unit

Note 1 to entry: See [Figure 1](#), [Figure 3](#) and [Figure 4](#).

#### 3.3

##### **band resaw**

*band sawing machine* (3.1) with integrated feed of the workpiece

Note 1 to entry: See [Figure 2](#).

Note 2 to entry: Band resaws can be in vertical or tilted orientation.

#### 3.4

##### **band saw blade straining**

force exerted on the band saw blade to keep it in position on the band saw blade wheels during cutting

Note 1 to entry: See [Figure 6](#).

#### 3.5

##### **band saw blade tracking**

means used to maintain the position of the band saw blade on the band saw blade wheels

Note 1 to entry: See [Figure 5](#).

#### 3.6

##### **tracking mode**

mode to allow tracking adjustment during un-braked run-down of the power-driven wheel, e.g. by adjustment of the inclination of one of the band saw blade wheels