



ISO 19085-5

**Woodworking machines — Safety —
Part 5:
Dimension saws**

*Machines à bois — Sécurité —
Partie 5: Scies au format*

**Second edition
2024-07**

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Foreword	vi
Introduction	vii
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Safety requirements and measures for controls	4
4.1 Safety and reliability of control systems.....	4
4.2 Control devices.....	4
4.3 Start.....	5
4.3.1 Direct start.....	5
4.3.2 Start via control power-on.....	5
4.4 Safe stops.....	5
4.4.1 General.....	5
4.4.2 Normal stop.....	5
4.4.3 Operational stop.....	6
4.4.4 Emergency stop.....	6
4.5 Braking function of tools.....	6
4.6 Mode selection.....	6
4.7 Tool speed changing.....	6
4.7.1 Speed changing by shifting the belts on the pulleys.....	6
4.7.2 Speed changing by incremental speed change motor.....	6
4.7.3 Infinitely variable speed by frequency inverter.....	6
4.8 Failure of any power supply.....	6
4.9 Manual reset control.....	6
4.10 Standstill detection and monitoring.....	6
4.11 Machine moving part speed monitoring.....	6
4.12 Time delay.....	6
4.13 Teleservice.....	7
4.14 Power-operated adjustment of the saw blades and fences.....	7
4.14.1 Risk of contact between the saw blades and fences.....	7
4.14.2 Crushing hazard for the body.....	7
4.14.3 Crushing and shearing hazard for the arm, hand or finger.....	8
5 Safety requirements and measures for protection against mechanical hazards	8
5.1 Stability.....	8
5.2 Risk of break-up during operation.....	8
5.3 Tool and tool fixing design.....	8
5.3.1 General.....	8
5.3.2 Spindle locking.....	9
5.3.3 Circular saw blade fixing device.....	9
5.3.4 Flange dimension for circular saw blades.....	9
5.3.5 Fixing device for milling tools.....	9
5.4 Braking.....	10
5.4.1 Braking of tools.....	10
5.4.2 Maximum run-down time.....	10
5.4.3 Brake release.....	10
5.5 Safeguards.....	10
5.5.1 Fixed guards.....	10
5.5.2 Interlocking movable guards.....	10
5.5.3 Hold-to-run control.....	10
5.5.4 Two-hand control.....	10
5.5.5 Electro-sensitive protective equipment (ESPE).....	11
5.5.6 Pressure-sensitive protective equipment (PSPE).....	11
5.5.7 Enabling control.....	11

This is a preview of ISO 19085-5:2024. [Click here to purchase the full version from the ANSI store.](#)

5.6.2	Access to the saw blade below the machine table	16
5.6.3	Guarding of drives	17
5.7	Impact hazard	17
5.8	Clamping devices	17
5.9	Measures against ejection	17
5.9.1	General	17
5.9.2	Guards materials and characteristics	18
5.9.3	Anti-kickback devices	18
5.10	Workpiece supports and guides	21
5.10.1	Rip fence	21
5.10.2	Cross-cut fence	23
5.10.3	Workpiece clamping shoe	24
5.10.4	Machine table	24
5.10.5	Extension table	24
5.10.6	Sliding table	24
5.11	Safety appliances	24
6	Safety requirements and measures for protection against other hazards	27
6.1	Fire	27
6.2	Noise	27
6.2.1	Noise reduction at the design stage	27
6.2.2	Noise emission measurement and declaration	27
6.3	Emission of chips and dust	28
6.4	Electricity	28
6.5	Ergonomics and handling	28
6.6	Lighting	28
6.7	Pneumatics	28
6.8	Hydraulics	29
6.9	Electromagnetic compatibility	29
6.10	Laser	29
6.11	Static electricity	29
6.12	Errors of fitting	29
6.13	Isolation	29
6.14	Maintenance	29
6.15	Relevant but not significant hazards	29
7	Information for use	29
7.1	Warning devices	29
7.2	Marking	29
7.2.1	General	29
7.2.2	Additional markings	29
7.3	Instruction handbook	30
7.3.1	General	30
7.3.2	Additional information	30
Annex A	(informative) List of significant hazards	33
Annex B	(informative) Performance level required	35
Annex C	(normative) Stability test	36
Annex D	(normative) Test for braking function	37
Annex E	(normative) Impact test for guards	38
Annex F	(normative) Noise test code	39
Annex G	(normative) Riving knife rigidity tests	42
Annex H	(normative) Minimum dimensions of machine table and extension table	44
Annex I	(normative) Saw blade guard rigidity test	45

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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 19085-5:2017), which has been technically revised.

The main changes are as follows:

- the Scope now specifies that machines are intended for continuous production use;
- the requirements for post-forming have been deleted since it is not produced anymore;
- the list of significant hazards has been moved to a new [Annex A](#);
- the structure has been simplified and modified, in particular in [5.6](#);
- [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.

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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 defined 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 (e.g. regulators, accident prevention organisations, market surveillance)

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 (as defined in ISO 12100), 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 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 clauses of ISO 19085-1. Each part includes replacements and additions to the common requirements given in ISO 19085-1.

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

[Clauses 1](#) to [3](#) are specific to each part and, therefore are distinct from ISO 19085-1:2021, Clauses 1 to 3.

For [Clauses 4](#) to [7](#) and the annexes, each subclause in ISO 19085-1:2021, is cited as:

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

This is indicated by one of the following possible statements:

- “ISO 19085-1:2021, [subclause/Annex], applies.”;

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- “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.”.