

SLOVENSKI STANDARD
oSIST prEN ISO 19085-9:2016
01-junij-2016

Lesnoobdelovalni stroji - Varnost - 9. del: Krožne žage (s podajalno mizo ali brez nje) (ISO/DIS 19085-9:2016)

Woodworking machines - Safety - Part 9: Circular saw benches (with and without sliding table) (ISO/DIS 19085-9:2016)

Machines à bois - Sécurité - Partie 9: Scies à table de menuisier (avec et sans table mobile) (ISO/DIS 19085-9:2016)

Ta slovenski standard je istoveten z: prEN ISO 19085-9

ICS:

25.080.60	Strojne žage	Sawing machines
79.120.10	Lesnoobdelovalni stroji	Woodworking machines

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DRAFT INTERNATIONAL STANDARD

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Woodworking machines — Safety —

Part 9: Circular saw benches (with and without sliding table)

*Machines à bois — Sécurité —**Partie 9: Scies à table de menuisier (avec et sans table mobile)*

ICS: 13.110; 79.120.10

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ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five month enquiry.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

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Contents

Page

Foreword.....	vi
Introduction.....	viii
1 Scope	1
2 Normative references	2
3 Terms and definitions.....	4
4 List of significant hazards.....	6
5 Safety requirements and measures for controls.....	8
5.1 Safety and reliability of control systems.....	8
5.2 Controls devices	8
5.3 Start	10
5.4 Safe stops	11
5.4.1 General	11
5.4.2 Normal stop	11
5.4.3 Operational stop	11
5.4.4 Emergency stop	11
5.5 Braking function of tool spindle.....	11
5.6 Mode selection.....	11
5.7 Spindle speed changing.....	11
5.7.1 Spindle speed changing by changing the belt on the pulleys.....	11
5.7.2 Spindle speed changing by incremental speed change motor	11
5.7.3 Infinitely variable speed change by frequency inverter	11
5.8 Failure of any power supply	11
5.9 Manual reset control	11
5.10 Enabling control.....	12
5.11 Machine moving part limited speed monitoring.....	12
5.12 Time delay.....	12
5.13 Power operated adjustment of the saw blades and/or fences.....	12
5.13.1 General	12
5.13.2 Power driven adjustments under pre-set electronic control.....	13
6 Safety requirements and measures for protection against mechanical hazards.....	13
6.1 Stability	13
6.1.1 Stationary machines	13
6.1.2 Displaceable machines	14
6.2 Risk of break-up during operation.....	14
6.3 Tool holder and tool design	14
6.3.1 General	14
6.3.2 Spindle locking	14
6.3.3 Circular saw blade fixing device.....	14
6.3.4 Flanges dimensions for circular saw blades.....	14
6.3.5 Milling tools for grooving fixing devices	14
6.4 Braking.....	15
6.4.1 Braking tool spindle	15
6.4.2 Maximum run-down time.....	15

ISO/DIS 19085-9

6.4.3	Brake release.....	15
6.5	Safeguards	15
6.5.1	Fixed guards.....	15
6.5.2	Interlocking movable guards.....	15
6.5.3	Hold-to-run control	15
6.5.4	Two-hand control.....	15
6.5.5	Electro-sensitive protective equipment ESPE).....	16
6.5.6	Pressure sensitive protective equipment (PSPE).....	16
6.6	Prevention of access to moving parts	16
6.6.1	General.....	16
6.6.2	Guarding of tools	16
6.6.3	Guarding of drives	23
6.6.4	Guarding of shearing and/or crushing zones	24
6.7	Impact hazard.....	25
6.8	Clamping devices.....	25
6.9	Measures against ejection.....	25
6.9.1	General.....	25
6.9.2	Guards materials and characteristics.....	25
6.9.3	Anti-kickback devices.....	25
6.10	Workpiece support and guide	31
6.10.1	Rip fence	31
6.10.2	Cross-cutting fence	34
6.10.3	Machine table	35
6.10.4	Extension table.....	35
6.11	Safety appliances.....	35
7	Safety requirements and measures for protection against other hazards	39
7.1	Fire	39
7.2	Noise	39
7.2.1	Noise reduction at the design stage.....	39
7.2.2	Noise emission measurement.....	39
7.3	Emission of chips and dust.....	40
7.4	Electricity	40
7.4.1	General.....	40
7.4.2	Displaceable machines.....	40
7.5	Ergonomics and handling.....	40
7.6	Lighting.....	41
7.7	Pneumatics	41
7.8	Hydraulics.....	41
7.9	Electromagnetic compatibility	41
7.10	Laser.....	41
7.11	Static electricity	41
7.12	Errors of fitting	41
7.13	Isolation.....	41
7.14	Maintenance.....	41
8	Information for use	41
8.1	Warning devices	41
8.2	Markings.....	42
8.2.1	General.....	42
8.2.2	Additional markings	42
8.3	Instruction handbook.....	42
8.3.1	General.....	42
8.3.2	Additional information	42

Annex A (informative) Performance level required	46
Annex B (normative) Test for braking function	48
Annex C (normative) Stability test for displaceable machines	48
Annex D (normative) Impact test for guards	48
Annex E (normative) Noise emission measurement for machines not in ISO 7960:1995	48
Annex F (normative) Saw blade guard stability test.....	49
F.1 General	49
F.2 Saw blade guards mounted separately from riving knife.....	49
F.2.1 Saw blade guards with lead-in	49
F.2.2 Saw blade guards with in-feed rollers	50
F.3 Riving knife mounted saw blade guards	51
Annex G (normative) Minimum dimensions of machine table, extension table and table insert	53
Annex H (normative) Riving knife longitudinal and lateral stability test.....	55
H.1 Riving knife longitudinal stability test	55
H.2 Riving knife lateral stability test.....	55
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC.....	57
Annex ZB (informative) Regional addition for EU	60
Bibliography	61

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ISO/DIS 19085-9

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. 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 www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/XXX

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

ISO 19085-9 was prepared by Technical Committee ISO/TC 39, *Machine tools*, Subcommittee SC 4, *Woodworking machines*.

ISO 19085 consists of the following parts, under the general title *Woodworking machines — Safety*:

- *Part 1: Common requirements*
- *Part 2: Horizontal beam panel saws*
- *Part 3: Numerically controlled (NC) boring and routing machines*
- *Part 4: Vertical beam panel saws*
- *Part 5: Dimension saws*
- *Part 6: Single spindle vertical moulding machines*
- *Part 7: Surface planing and thicknessing machines*

- *Part 8: Wide belt calibrating and sanding machines*
- *Part 9 Circular saw benches (with and without sliding table)*
- *Part 10: Building site saws*

All these parts have been prepared simultaneously by Technical Committee ISO/TC 39, Machine tools, Subcommittee SC 4, Woodworking machines

Additional parts are to be developed in future to deal with specific requirements for other woodworking machines.

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ISO/DIS 19085-9

Introduction

ISO 19085-9 was prepared by ISO/TC 39/SC4 under the Vienna Agreement in order to obtain EN ISO standards on technical safety requirements for the design and construction of woodworking machinery.

ISO 19085 as a whole concern designers, manufacturers, suppliers and importers of machines described in the Scope. It also includes a list of informative items to be provided by the manufacturer to the user.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this document. In addition machines shall be designed according with the principals of ISO 12100:2010 for relevant but not significant hazards which are not dealt with covered by this International Standard.

— This document together with ISO 19085-1 is a type C standard as defined in ISO 12100:2010.

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

This part of ISO 19085 is intended to be used in conjunction with part-1. As far as possible, the requirements of this part are treated by way of reference to the relevant sub-clauses of ISO 19085-1, thus reducing considerably the length of this document by avoiding many repetitions.

Thus, clauses 5, 6, 7 and 8 with their subclauses and the annexes of this part can either

- confirm as a whole,
 - confirm with additions,
 - exclude in total, or
 - replace with specific text
- the corresponding subclauses or annexes of ISO 19085-1.

This interrelation is indicated in the first paragraph of each subclause right after the title by one of the following possible statements:

- “This subclause of ISO 19085-1 applies”;
- “This subclause of ISO 19085-1 applies with the following additions.” or
- “This subclause of ISO 19085-1 applies with the following additions, subdivided into further specific subclauses.”;
- “Not applicable.”;
- “This subclause of ISO 19085-1 is replaced by the following text.” or
- “This subclause of ISO 19085-1 is replaced by the following text, subdivided into further specific subclauses.”.

Specific subclauses and annexes in this part without correspondent in ISO 19085-1 are indicated by “Subclause (or Annex) specific to this part.”

Clauses 1, 2, 4 are always replaced with no need for indication, since machine specific.

Common requirements for tooling are given in EN 847-1:2013.

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Woodworking machines — Safety — Part 9: Circular saw benches (with and without sliding table)

1 Scope

This international standard deals with all significant hazards, hazardous situations and events as listed in Clause 4 which are relevant to stationary and displaceable circular saw benches (with or without sliding table and/or demountable power feed unit), also known as “table saws” (in the USA), hereinafter referred to as “machines”, designed to cut wood and material with similar physical characteristics to wood, when they are operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also transport, assembly, dismantling, disabling and scrapping phases are taken into account.

NOTE 1 For the definition of stationary and displaceable machine see ISO 19085-1, 3.4 and 3.5.

The machines may also be fitted with one or more of the following devices/facilities, whose hazards have been dealt with:

- facility for the main saw blade and scoring saw blade to be raised and lowered through the table;
- facility to tilt the main saw blade and scoring saw blade for angled cutting;
- facility for scoring;
- facility for grooving with milling tool with a width not exceeding 20 mm in one pass;
- demountable power feed unit;
- additional manually operated sliding table;
- powered work-piece clamping.

NOTE 2 Circular saw benches are used for ripping, cross cutting, dimensioning and grooving.

This international standard does not apply to:

- a) transportable / displaceable machines (machines set up on a bench or provided with extendable legs and intended to operate when stationary) having a rated input of less than or equal to 3700

NOTE 3 Transportable motor-operated electric tools are covered by the requirements of IEC 62841-1:2014 together with IEC 62841-3-1:2014.

~~b) hand held woodworking machines including any adaptation permitting their use in a different mode, i.e. bench mounting;~~

~~NOTE 4 — Hand held motor-operated electric tool and a saw bench to form an integrated whole are covered by IEC 62841-1:2014 together with IEC 62841-2-5:2014.~~