



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN ISO 19085-3:2021

Woodworking machines - Safety - Part 3: Numerically controlled (NC/CNC) boring and routing machines (ISO 19085-3:2021)

Holzbearbeitungsmaschinen - Sicherheit
- Teil 3: Numerisch gesteuerte (NC-/CNC-)
Bohr- und Fräsmaschinen (ISO
19085-3:2021)

Machines à bois - Sécurité - Partie 3:
Perceuses et défonceuses à Commande
Numérique (CN/CNC) (ISO 19085-3:2021)

12/2021



National Foreword

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English Version

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This European Standard was approved by CEN on 27 September 2021.

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European foreword

This document (EN ISO 19085-3:2021) 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of an identical text or by endorsement, at the latest by June 2022, and conflicting national standards shall be withdrawn at the latest by June 2022.

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 19085-3:2017.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZA, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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Endorsement notice

The text of ISO 19085-3:2021 has been approved by CEN as EN ISO 19085-3:2021 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)/sub-clause(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 | 6.5, 7.3 | |
| e) equipment | 5.1, 7.3 | |
| 1.1.3 Materials and products | 5.2, 7.3 | |
| 1.1.4 Lighting | 6.6, 7.3 | |
| 1.1.5 Design of machinery to facilitate its handling | 6.5 | |
| 1.1.6 Ergonomics | 6.5 | |
| 1.1.7 Operating position | 4.2 | |
| 1.2.1 Safety and reliability of control systems | 4.1, 6.7, 6.8 | |
| 1.2.2 Control devices | 4.2, 4.3, 4.4, 4.6, 4.7, 4.13 | |
| 1.2.3 Starting | 4.3, 4.13 | |
| 1.2.4 Stopping | 4.4, 4.5, 4.8, 5.4 | |
| 1.2.4.1 Normal stop | 4.4.2 | |
| 1.2.4.2 Operational stop | 4.4.3 | |
| 1.2.4.3 Emergency stop | 4.4.4 | |
| 1.2.5 Selection of control or operating mode | 4.6 | |

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| 1.2.6 Failure of the power supply | 4.8, 6.7, 6.8 | |
| 1.3.1 Risk of loss of stability | 5.1, 7.3 | |
| 1.3.2 Risk of break-up during operation | 5.2, 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.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

Woodworking machines — Safety —
Part 3:
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Machines à bois — Sécurité —

Partie 3: Perceuses et défonceuses à Commande Numérique (CN/CNC)

