	Triedy kvality povrchu tyčí a drôtov valcovaných za tepla (ISO 9443: 2018)	STN EN ISO 9443
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Surface quality classes for hot-rolled bars and wire rod (ISO 9443:2018)

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/19

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Surface quality classes for hot-rolled bars and wire rod (ISO 9443:2018)

Classes de qualité de surface des barres et fils-machine laminés à chaud (ISO 9443:2018)

Oberflächengüteklassen für warmgewalzten Stabstahl und Walzdraht (ISO 9443:2018)

This European Standard was approved by CEN on 23 May 2018.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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STN EN ISO 9443: 2019

EN ISO 9443:2018 (E)

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EN ISO 9443:2018 (E)

European foreword

This document (EN ISO 9443:2018) has been prepared by Technical Committee ISO/TC 17 "Steel" in collaboration with Technical Committee ECISS/TC 105 "Steels for heat treatment, alloy steels, free-cutting steels and stainless steels" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by January 2019, and conflicting national standards shall be withdrawn at the latest by January 2019.

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.

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Endorsement notice

The text of ISO 9443:2018 has been approved by CEN as EN ISO 9443:2018 without any modification.

INTERNATIONAL STANDARD

ISO 9443

Second edition 2018-05

Surface quality classes for hot-rolled bars and wire rod

Classes de qualité de surface des barres et fils-machine laminés à chaud



STN EN ISO 9443: 2019

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ISO 9443:2018(E)

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).

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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 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 4, *Heat treatable and alloy steels*.

This second edition cancels and replaces the first edition (ISO 9443:1991), which has been technically revised.

The following changes have been made in comparison with the first edition:

- the surface quality classes 5 to 12 (12A) have been removed;
- the surface classes 1 to 4 have been kept and renamed A, B, D and E and an additional surface quality class has been introduced as surface quality class C;
- the difference between shallow and sharp discontinuities has been removed due to the impracticality to differentiate between the two;
- the admissible portion of defective material za and zb has been removed and only z has been kept.

Surface quality classes for hot-rolled bars and wire rod

1 Scope

This document specifies technical delivery requirements for the surface quality of round bars, squares, hexagons and wire rod in the hot rolled condition with nominal dimensions $d_{\rm N}$ from 5 mm to 200 mm. This document is applicable to bright products and tool steels, if agreed at the time of enquiry and order between manufacturer and purchaser.

By agreement between manufacturer and purchaser, this document can also be applied to other special profiles.

This document is particularly applicable to steels for engineering and structural applications.

This document does not include any requirements for the permissible depth of surface decarburization.

NOTE The determination of depth of surface decarburization is presented in ISO 3887.

The material standards for steel bars and wire rod can exclude the application of one or other of the surface quality classes of this document. They can also cover requirements for surface quality which deviate from this document. In these cases the requirements of the material standard prevail.

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 6929, *Steel products* — *Vocabulary*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN