



SLOVENSKI STANDARD SIST EN ISO 18203:2022

01-junij-2022

Nadomešča:

SIST EN 10328:2005

SIST EN ISO 2639:2004

Jekla - Določanje debeline površinsko utrjenih plasti (ISO 18203:2016)

Steel - Determination of the thickness of surface-hardened layers (ISO 18203:2016)

Stahl - Bestimmung der Dicke gehärteter Randschichten (ISO 18203:2016)

Acier - Détermination de l'épaisseur des couches durcies superficielles (ISO 18203:2016)

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Ta slovenski standard je istoveten z: EN ISO 18203:2022

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ICS:

77.040.99	Druge metode za preskušanje kovin	Other methods of testing of metals
77.080.20	Jekla	Steels

SIST EN ISO 18203:2022

en,fr,de

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EUROPEAN STANDARD

EN ISO 18203

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2022

ICS 77.040.99

Supersedes EN ISO 2639:2002, EN 10328:2005

English Version

Steel - Determination of the thickness of surface-hardened layers (ISO 18203:2016)

Acier - Détermination de l'épaisseur des couches durcies superficielles (ISO 18203:2016)

Stahl - Bestimmung der Dicke gehärteter Randschichten (ISO 18203:2016)

This European Standard was approved by CEN on 20 March 2022.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

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[SIST EN ISO 18203:2022](https://standards.iteh.ai/catalog/standards/sist/fb9b2812-b257-4942-8fa2-3fcbe3583efd/sist-en-iso-18203-2022)
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European foreword

The text of ISO 18203:2016 has been prepared by Technical Committee ISO/TC 17 "Steel" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 18203:2022 by Technical Committee CEN/TC 459/SC 1 "Test methods for steel (other than chemical analysis)" the secretariat of which is held by AFNOR.

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 September 2022, and conflicting national standards shall be withdrawn at the latest by September 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 2639:2002 and EN 10328:2005.

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

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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Endorsement notice

SIST EN ISO 18203:2022

The text of ISO 18203:2016 has been approved by CEN as EN ISO 18203:2022 without any modification.

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INTERNATIONAL
STANDARD

ISO
18203

First edition
2016-12-01

**Steel — Determination of the
thickness of surface-hardened layers**

*Acier — Détermination de l'épaisseur des couches durcies
superficielles*

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Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
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Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative reference	1
3 Terms and definitions	1
4 Symbols, abbreviations and designations	3
5 Principle	3
6 Apparatus	3
7 Test specimen	4
7.1 Selection and preparation of samples.....	4
7.2 Preparation of the surface to be examined.....	5
8 Method of measurement	5
8.1 Hardness testing method.....	5
8.2 Microscopic methods.....	6
8.2.1 Total thickness of surface hardening depth (THD).....	6
8.2.2 Compound layer thickness (CLT).....	6
9 Evaluation of the results	7
9.1 Case hardening depth (CHD), surface hardening depth (SHD) and nitriding hardness depth (NHD).....	7
9.2 Total thickness of surface hardening depth (THD).....	7
9.3 Compound layer thickness (CLT).....	7
10 Test report	8
Annex A (normative) Interpolation method for determining the case hardening depth	9
Annex B (informative) Examples of CLT measurements	11
Bibliography	12

ISO 18203:2016(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).

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 World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 17, *Steel*, Subcommittee SC 7, *Methods of testing (other than mechanical tests and chemical analysis)*.

This first edition of ISO 18203 cancels and replaces ISO 2639:2002, ISO 3754:1976 and ISO 4970:1979, which have been technically revised.

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Introduction

In the past, there are three ISO standards for measuring surface-hardened layer. Because those standards employed almost the same principle of measuring, it is intended to make it easy for maintenance of the standards and application of test by integrating these three standards.

The method of estimating uncertainty of measurement is not included in this document. In future revision, uncertainty of measurement may be reflected based on real applications to this test.

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