SLOVENSKI STANDARD
SIST EN ISO 11463:2020

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Nadomešča:
SIST EN ISO 11463:2008

Korozija kovin in zlitin - Smernice za vrednotenje jamičaste korozije (ISO 11463:2020)

Corrosion of metals and alloys - Guidelines for the evaluation of pitting corrosion (ISO 11463:2020)

Korrosion von Metallen und Legierungen - Richtlinien für die Bewertung der Lochkorrosion (ISO 11463:2020)

Corrosion des métaux et alliages - Lignes directrices pour l'évaluation de la corrosion par piqûres (ISO 11463:2020)

Ta slovenski standard je istoveten z: **EN ISO 11463:2020**

ICS:

77.060	Korozija kovin	Corrosion of metals

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EUROPEAN STANDARD

NORME EUROPÉENNE

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English Version

Corrosion of metals and alloys - Guidelines for the evaluation of pitting corrosion (ISO 11463:2020)

Corrosion des métaux et alliages - Lignes directrices pour l'évaluation de la corrosion par piqûres (ISO 11463:2020)

Korrosion von Metallen und Legierungen - Richtlinien für die Bewertung der Lochkorrosion (ISO 11463:2020)

This European Standard was approved by CEN on 9 August 2020.

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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

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European foreword

This document (EN ISO 11463:2020) has been prepared by Technical Committee ISO/TC 156 "Corrosion of metals and alloys" in collaboration with Technical Committee CEN/TC 262 “Metallic and other inorganic coatings, including for corrosion protection and corrosion testing of metals and alloys” the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by March 2021, and conflicting national standards shall be withdrawn at the latest by March 2021.

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 11463:2020 has been approved by CEN as EN ISO 11463:2020 without any modification.

INTERNATIONAL STANDARD

ISO 11463

Second edition
2020-08

Corrosion of metals and alloys — Guidelines for the evaluation of pitting corrosion

Corrosion des métaux et alliages — Lignes directrices pour l'évaluation de la corrosion par piqûres

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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 of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 156, *Corrosion of metals and alloys*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 262, *Metallic and other inorganic coatings, including for corrosion protection and corrosion testing of metals and alloys*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 11463:1995), which has been technically revised. The main changes compared with the previous edition are as follows:

— modern surface analysis and characterization techniques for ex situ examination have been included.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

It is important to be able to determine the extent of pitting and its characteristics, either in a service application, where it is necessary to estimate the remaining life in a metal structure, or in laboratory test programmes that are used to select pitting-resistant materials for a particular service. Corrosion pits can also act as the precursor to other damage modes such as stress corrosion cracking and corrosion fatigue.

The application of the materials to be tested will determine the minimum pit size to be evaluated and whether total area covered, average pit depth, maximum pit depth or another criterion is the most important to measure.