



SLOVENSKI STANDARD

SIST EN ISO 8565:2012

01-januar-2012

Nadomešča:
SIST EN ISO 8565:1999

Kovine in zlitine - Korozijski preskusi v atmosferi - Splošne zahteve (ISO 8565:2011)

Metals and alloys - Atmospheric corrosion testing - General requirements (ISO 8565:2011)

Metalle und Legierungen - Korrosionsversuche in der Atmosphäre - Allgemeine Anforderungen (ISO 8565:2011)

Métaux et alliages - Essais de corrosion atmosphérique - Exigences générales (ISO 8565:2011)

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Ta slovenski standard je istoveten z: EN ISO 8565:2011

ICS:

77.060

Korozija kovin

Corrosion of metals

SIST EN ISO 8565:2012

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8565

July 2011

ICS 77.060

Supersedes EN ISO 8565:1995

English Version

Metals and alloys - Atmospheric corrosion testing - General requirements (ISO 8565:2011)

Métaux et alliages - Essais de corrosion atmosphérique - Exigences générales (ISO 8565:2011)

Metalle und Legierungen - Korrosionsversuche in der Atmosphäre - Allgemeine Anforderungen (ISO 8565:2011)

This European Standard was approved by CEN on 30 June 2011.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN ISO 8565:2011) 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" 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 January 2012, and conflicting national standards shall be withdrawn at the latest by January 2012.

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

This document supersedes EN ISO 8565:1995.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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Endorsement notice

The text of ISO 8565:2011 has been approved by CEN as a EN ISO 8565:2011 without any modification.

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INTERNATIONAL STANDARD

ISO
8565

Second edition
2011-07-01

Metals and alloys — Atmospheric corrosion testing — General requirements

*Métaux et alliages — Essais de corrosion atmosphérique — Exigences
générales*

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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
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ISO 8565:2011(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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 8565 was prepared by Technical Committee ISO/TC 156, *Corrosion of metals and alloys*.

This second edition cancels and replaces the first edition (ISO 8565:1992), which has been technically revised.

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Introduction

Corrosion testing under atmospheric exposure conditions is carried out in order

- to obtain data on the corrosion resistance of metals, alloys¹⁾, metallic and other inorganic coatings in atmospheric environments,
- to evaluate the type of corrosion of particular metals, and
- to obtain data for corrosivity determination and estimation.

It involves exposure of the specimens to the action of atmospheric environments at the test sites, and periodic checking of the test specimens. It does not cover service corrosion testing.

The corrosion rate of the specified metal depends on the environment of the atmospheric corrosion test site. The relationship between corrosion rates for metals and atmospheric variables is complex. Therefore, the results of field tests cannot be used to predict service performance exactly, but do provide an approximate guidance to service performance.

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1) Hereinafter referred to as “metals”.