



SLOVENSKI STANDARD SIST EN ISO 3580:2011

01-november-2011

Nadomešča:
SIST EN ISO 3580:2008

Dodajni materiali za varjenje - Oplaščene elektrode za obločno varjenje jekel, odpornih proti lezenju - Razvrstitev (ISO 3580:2010)

Welding consumables - Covered electrodes for manual metal arc welding of creep-resisting steels - Classification (ISO 3580:2010)

Schweißzusätze - Umhüllte Stabelektroden zum Lichtbogenhandschweißen von warmfesten Stählen - Einteilung (ISO 3580:2010)

Produits consommables pour le soudage à l'arc - Électrodes enrobées pour le soudage manuel à l'arc des aciers résistant au fluage - Classification (ISO 3580:2010)

Ta slovenski standard je istoveten z: EN ISO 3580:2011

ICS:

25.160.20 Potrošni material pri varjenju Welding consumables

SIST EN ISO 3580:2011

en,fr,de

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EN ISO 3580

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Supersedes EN ISO 3580:2008

English Version

Welding consumables - Covered electrodes for manual metal arc welding of creep-resisting steels - Classification (ISO 3580:2010)

Produits consommables pour le soudage - Électrodes enrobées pour le soudage manuel à l'arc des aciers résistant au fluage - Classification (ISO 3580:2010)

Schweißzusätze - Umhüllte Stabelektroden zum Lichtbogenhandschweißen von warmfesten Stählen - Einteilung (ISO 3580:2010)

This European Standard was approved by CEN on 9 January 2011.

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

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Foreword

The text of ISO 3580:2010 has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 3580:2011 by Technical Committee CEN/TC 121 "Welding" 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of an identical text or by endorsement, at the latest by August 2011, and conflicting national standards shall be withdrawn at the latest by August 2011.

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 3580:2008.

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INTERNATIONAL STANDARD

ISO
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Third edition
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Welding consumables — Covered electrodes for manual metal arc welding of creep-resisting steels — Classification

*Produits consommables pour le soudage — Électrodes enrobées pour
le soudage manuel à l'arc des aciers résistant au fluage —
Classification*

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ISO 3580:2010(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 3580 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables*.

This third edition cancels and replaces the second edition (ISO 3580:2004).

Requests for official interpretations of any aspect of this International Standard should be directed to the Secretariat of ISO/TC 44/SC 3 via your national standards body. A complete listing of these bodies can be found at www.iso.org.

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Introduction

This International Standard proposes a method for classification of covered electrodes, in terms of chemical composition of the all-weld metal (system A) and in terms of tensile strength and chemical composition (system B).

The mechanical properties of all-weld metal test specimens used to classify the electrodes vary from those obtained in production joints because of differences in welding procedure such as electrode diameter, width of weave, welding position and material composition.

The classification according to system A is mainly based on EN 1599:1997^[1]. The classification according to system B is mainly based upon standards used around the Pacific Rim.

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