



SLOVENSKI STANDARD

SIST EN ISO 24373:2012

01-september-2012

Nadomešča:
SIST EN 14640:2005

Dodajni materiali za varjenje - Masivne žice in palice za talilno varjenje bakra in bakrovih zlitin - Razvrstitev (ISO 24373:2008)

Welding consumables - Solid wires and rods for fusion welding of copper and copper alloys - Classification (ISO 24373:2008)

Schweißzusätze - Massivdrähte und -stäbe zum Schmelzschweißen von Kupfer und Kupferlegierungen - Einteilung (ISO 24373:2008)

Produits consommables pour le soudage - Fils pleins et baguettes pleines pour le soudage par fusion du cuivre et des alliages de cuivre - Classification (ISO 24373:2008)

Ta slovenski standard je istoveten z: EN ISO 24373:2009

ICS:

25.160.20	Potrošni material pri varjenju	Welding consumables
77.120.30	Baker in bakrove zlitine	Copper and copper alloys

SIST EN ISO 24373:2012

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 24373

April 2009

ICS 25.160.20

Supersedes EN 14640:2005

English Version

Welding consumables - Solid wires and rods for fusion welding
of copper and copper alloys - Classification (ISO 24373:2008)

Produits consommables pour le soudage - Fils pleins et
baguettes pleines pour le soudage par fusion du cuivre et
des alliages de cuivre - Classification (ISO 24373:2008)

Schweißzusätze - Massivdrähte und -stäbe zum
Schmelzschiessen von Kupfer und Kupferlegierungen -
Einteilung (ISO 24373:2008)

This European Standard was approved by CEN on 10 April 2009.

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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 24373:2008 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 24373:2009 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of an identical text or by endorsement, at the latest by October 2009, and conflicting national standards shall be withdrawn at the latest by October 2009.

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 14640:2005.

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, 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 24373:2008 has been approved by CEN as a EN ISO 24373:2009 without any modification.

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INTERNATIONAL STANDARD

ISO
24373

First edition
2008-03-15

Welding consumables — Solid wires and rods for fusion welding of copper and copper alloys — Classification

*Produits consommables pour le soudage — Fils pleins et baguettes
pleines pour le soudage par fusion du cuivre et des alliages de cuivre —
Classification*

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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.

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 24373 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables*.

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 which can be found at www.iso.org.

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Introduction

For copper-welding consumables, there is no unique relationship between the product form (solid wire or rod) and the welding process used (e.g. gas-shielded metal arc welding, gas tungsten arc welding, plasma arc or other welding processes). For this reason, the solid wires or rods may be classified on the basis of any of the above product forms and can be used, as appropriate, for more than one of the above processes.

ISO 24373 is based on EN 14640:2005.

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Welding consumables — Solid wires and rods for fusion welding of copper and copper alloys — Classification

1 Scope

This International Standard specifies requirements for classification of solid wires and rods for fusion welding of copper and copper alloys. The classification of the solid wires and rods is based on their chemical composition.

2 Normative references

The following referenced documents are indispensable for the application 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 31-0:1992, *Quantities and units — Part 0: General principles*

ISO 544, *Welding consumables — Technical delivery conditions for welding filler materials — Type of product, dimensions, tolerances and markings*

ISO 4063, *Welding and allied processes — Nomenclature of processes and reference numbers*

ISO 14344, *Welding and allied processes — Flux and gas shielded electrical welding processes — Procurement guidelines for consumables*

3 Classification

The classification is divided into two parts:

- a) the first part indicates the product form, solid wires or rods (see 4.1);
- b) the second part gives a numerical symbol indicating the chemical composition of the solid wire or rod (see Table 1).

4 Symbols

4.1 Symbol for the product form

The symbol for the solid wire and rod shall be S.

NOTE One product form may be used for more than one welding process.