



# SLOVENSKI STANDARD SIST EN ISO 24373:2018

01-november-2018

Nadomešča:  
SIST EN ISO 24373:2012

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**Dodajni materiali za varjenje - Masivne žice in palice za talilno varjenje bakra in bakrovih zlitin - Razvrstitev (ISO 24373:2018)**

Welding consumables - Solid wires and rods for fusion welding of copper and copper alloys - Classification (ISO 24373:2018)

Schweißzusätze - Massivdrähte und -stäbe zum Schmelzschweißen von Kupfer und Kupferlegierungen - Einteilung (ISO 24373:2018)

Produits consommables pour le soudage - Fils pleins et baguettes pleines pour le soudage par fusion du cuivre et des alliages de cuivre - Classification (ISO 24373:2018)

**Ta slovenski standard je istoveten z: EN ISO 24373:2018**

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**ICS:**

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

**SIST EN ISO 24373:2018** en,fr,de

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EUROPEAN STANDARD

**EN ISO 24373**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2018

ICS 25.160.20

Supersedes EN ISO 24373:2009

English Version

## Welding consumables - Solid wires and rods for fusion welding of copper and copper alloys - Classification (ISO 24373:2018)

Produits consommables pour le soudage - Fils pleins et baguettes pleines pour le soudage par fusion du cuivre et des alliages de cuivre - Classification (ISO 24373:2018)

Schweißzusätze - Massivdrähte und -stäbe zum Schmelzschiessen von Kupfer und Kupferlegierungen - Einteilung (ISO 24373:2018)

This European Standard was approved by CEN on 11 September 2018.

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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 24373:2018) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 "Welding and allied processes" 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of an identical text or by endorsement, at the latest by March 2019, and conflicting national standards shall be withdrawn at the latest by March 2019.

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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INTERNATIONAL  
STANDARD

ISO  
24373

Second edition  
2018-08

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**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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Reference number  
ISO 24373:2018(E)

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Published in Switzerland



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## ISO 24373:2018(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](http://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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables*. SIST EN ISO 24373:2018

Any feedback, question or request for official interpretation related to any aspect of this document 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/members.html](http://www.iso.org/members.html). Official interpretations, where they exist, are available from this page: <https://committee.iso.org/sites/tc44/home/interpretation.html>

This second edition cancels and replaces the first edition (ISO 24373:2008), which has been technically revised. The main changes compared to the previous edition are as follows:

- a new alloy, CuSn6MnSi, has been added to [Table 1](#);
- chemistries in [Table 1](#) have been updated for a number of alloys;
- wording regarding Z options has been revised in footnote to [Table 1](#);
- an example showing a Z option has been added;
- [Clauses 7, 8](#) and [9](#) have been updated to reflect agreed text for all ISO/TC 44/SC 3 standards.

## 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 can be classified on the basis of any of the product forms and can be used, as appropriate, for more than one of the above welding processes.

This document was originally based on EN 14640:2005<sup>[1]</sup>.

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