



SLOVENSKI STANDARD

SIST EN ISO 24034:2006

01-marec-2006

Dodajni materiali za varjenje – Masivne žice in palice za talilno varjenje titana in titanovih zlitin – Razvrstitev (ISO 24034:2005)

Welding consumables - Solid wires and rods for fusion welding of titanium and titanium alloys - Classification (ISO 24034:2005)

Schweißzusätze - Massivdrähte und -stäbe zum Schmelzschweißen von Titan und Titanlegierungen - Einteilung (ISO 24034:2005)

Produits consommables pour le soudage - Fils pleins et baguettes pleines pour le soudage par fusion du titane et des alliages de titane - Classification (ISO 24034:2005)

Ta slovenski standard je istoveten z: EN ISO 24034:2005

ICS:

25.160.20 Potrošni material pri varjenju Welding consumables

SIST EN ISO 24034:2006

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 24034

October 2005

ICS 25.160.20

English Version

Welding consumables - Solid wires and rods for fusion welding of titanium and titanium alloys - Classification (ISO 24034:2005)

Produits consommables pour le soudage - Fils pleins et baguettes pleines pour le soudage par fusion du titane et des alliages de titane - Classification (ISO 24034:2005)

Schweißzusätze - Massivdrähte und -stäbe zum Schmelzschiessen von Titan und Titanlegierungen - Einteilung (ISO 24034:2005)

This European Standard was approved by CEN on 4 September 2005.

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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 Central Secretariat has the same status as the official versions.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 24034:2005 (E)**Foreword**

This document (EN ISO 24034:2005) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with 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of an identical text or by endorsement, at the latest by April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 24034:2005 has been approved by CEN as EN ISO 24034:2005 without any modifications.

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INTERNATIONAL STANDARD

ISO
24034

First edition
2005-10-01

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

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

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ISO 24034:2005(E)

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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 24034 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables*.

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Introduction

This International Standard proposes a classification in order to designate wire electrodes, wires and rods in terms of their chemical composition.

For titanium-welding consumables, there is no unique relationship between the product form (wire electrodes, wires or rods) and the welding process used (gas-shielded metal arc welding, gas tungsten arc welding, plasma arc welding or laser welding). For this reason, wire electrodes, wires and rods may be classified in terms of their chemical composition.

In this International Standard, the symbol of the welding process is not used, because

- a) different joining processes are performed with the same chemical component consumable, and
- b) the producer is not able to determine the process symbol before shipping.

Also, it should be noted that the mechanical properties of all-weld metal test specimens or welded joints produced by welding consumables will vary from those obtained in production joints because of differences in welding procedure and the base-metal alloy. For this reason, the mechanical properties of all-weld metal or welded joints for titanium-welding consumables are not specified in this classification.

Requests for an official interpretation of technical aspects of this International Standard should be directed to the secretariat of ISO/TC 44/SC 3 via the user's member body in the user's country; a listing of these bodies can be found at www.iso.org.

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