



SLOVENSKI STANDARD

SIST EN ISO 6848:2015

01-november-2015

Nadomešča:

SIST EN ISO 6848:2005

Obločno varjenje in rezanje - Netaljive volframove elektrode - Razvrstitev (ISO 6848:2015)

Arc welding and cutting - Nonconsumable tungsten electrodes - Classification (ISO 6848:2015)

Lichtbogenschweißen und -schneiden - Wolframelektrode - Einteilung (ISO 6848:2015)

Soudage et coupage à l'arc - Électrodes non consommables en tungstène - Classification (ISO 6848:2015)

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Ta slovenski standard je istoveten z: EN ISO 6848:2015

ICS:

25.160.20 Potrošni material pri varjenju Welding consumables

SIST EN ISO 6848:2015

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 6848

September 2015

ICS 25.160.20

Supersedes EN ISO 6848:2004

English Version

Arc welding and cutting - Nonconsumable tungsten
electrodes - Classification (ISO 6848:2015)

Soudage et coupage à l'arc - Électrodes non
consommables en tungstène - Classification (ISO
6848:2015)

Lichtbogenschweißen und -schneiden -
Wolframelektrode - Einteilung (ISO 6848:2015)

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European foreword

This document (EN ISO 6848:2015) 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of an identical text or by endorsement, at the latest by March 2016, and conflicting national standards shall be withdrawn at the latest by March 2016.

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 6848:2004.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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INTERNATIONAL STANDARD

**ISO
6848**

Third edition
2015-08-15

Arc welding and cutting — Nonconsumable tungsten electrodes — Classification

*Soudage et coupage à l'arc — Électrodes non consommables en
tungstène — Classification*

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Reference number
ISO 6848:2015(E)

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ISO 6848:2015(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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables*.

This third edition cancels and replaces the second edition (ISO 6848:2004), which has been technically revised.

Introduction

Tungsten electrodes are used in a variety of welding and allied processes, including tungsten inert gas welding, plasma arc welding and cutting, plasma spraying, and atomic hydrogen welding. In contrast to most other welding electrodes, tungsten electrodes are not intended to become part of the weld deposit. Nevertheless, the chemical composition of a tungsten electrode has an important effect on its range of usage in welding and allied processes. Therefore, tungsten electrodes are classified according to their chemical composition.

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 national standards bodies can be found at www.iso.org.

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