

SLOVENSKI STANDARD

SIST EN ISO 544:2018

01-februar-2018

Nadomešča:

SIST EN ISO 544:2011

Dodajni materiali za varjenje - Tehnični dobavni pogoji za dodatne materiale in praške - Vrsta izdelka, izmere, tolerance in označevanje (ISO 544:2017)

Welding consumables - Technical delivery conditions for filler materials and fluxes - Type of product, dimensions, tolerances and markings (ISO 544:2017)

Schweißzusätze - Technische Lieferbedingungen für Schweißzusätze und Pulver - Art des Produktes, Maße, Grenzabmaße und Kennzeichnung (ISO 544:2017)

Produits consommables pour le soudage - Conditions techniques de livraison des produits d'apport et des flux - Type de produits, dimensions, tolérances et marquage (ISO 544:2017)

Ta slovenski standard je istoveten z: EN ISO 544:2017

ICS:

25.160.20 Potrošni material pri varjenju Welding consumables

SIST EN ISO 544:2018

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 544

December 2017

ICS 25.160.20

Supersedes EN ISO 544:2011

English Version

**Welding consumables - Technical delivery conditions for
filler materials and fluxes - Type of product, dimensions,
tolerances and markings (ISO 544:2017)**

Produits consommables pour le soudage - Conditions
techniques de livraison des produits d'apport et des
flux - Type de produits, dimensions, tolérances et
marquage (ISO 544:2017)

Schweißzusätze - Technische Lieferbedingungen für
Schweißzusätze und Pulver - Art des Produktes, Maße,
Grenzabmaße und Kennzeichnung (ISO 544:2017)

This European Standard was approved by CEN on 3 November 2017.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 544:2017) 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 June 2018, and conflicting national standards shall be withdrawn at the latest by June 2018.

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.

This document supersedes EN ISO 544:2011.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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The text of ISO 544:2017 has been approved by CEN as EN ISO 544:2017 without any modification.

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INTERNATIONAL STANDARD

**ISO
544**

Fifth edition
2017-11

Welding consumables — Technical delivery conditions for filler materials and fluxes — Type of product, dimensions, tolerances and markings

*Produits consommables pour le soudage — Conditions techniques
de livraison des produits d'apport et des flux — Type de produits,
dimensions, tolérances et marquage*

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ISO 544:2017(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 <http://www.iso.org/directives>).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see <http://www.iso.org/patents>).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: <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*.

This fifth edition cancels and replaces the fourth edition (ISO 544:2011), which has been technically revised.

The main changes compared to the previous edition are as follows:

- in 5.4, clarification that fluxes can be obtainable in different particle size distributions is given (not all fluxes are available in multiple particle size distributions);
- Table 2 has been changed;
- in Table 4, a new spool type B400 has been added;
- 8.1.2 has been revised to include reels and rims
- 8.2, bullet number 5 has been revised.

Requests for official interpretations of 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 <http://www.iso.org>.

Welding consumables — Technical delivery conditions for filler materials and fluxes — Type of product, dimensions, tolerances and markings

1 Scope

This document specifies technical delivery conditions for filler materials and fluxes for fusion welding.

This document does not apply to other auxiliary materials such as shielding gases.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 14174, *Welding consumables — Fluxes for submerged arc welding and electroslag welding — Classification*

ISO 14344, *Welding consumables — Procurement of filler materials and fluxes*

ISO 80000-1:2009, *Quantities and units — Part 1: General*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Product type and welding process

The types of products covered by this document and the welding process(es) in which they are used are listed in [Table 1](#).

NOTE The corresponding reference numbers for each welding process in accordance with ISO 4063 are given for information.

5 Dimensions and tolerances

5.1 Solid wires and solid wire electrodes, tubular cored wires and tubular cored electrodes, solid and tubular cored rods and covered electrodes

Dimensions and tolerances for solid wires and solid wire electrodes, tubular cored wires and tubular cored electrodes, solid and tubular cored rods and covered electrodes are given in [Table 2](#).