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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 matériaux d'apport et des flux — Type de produit, dimensions, tolérances et marquage



Reference number ISO 544:2011(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.

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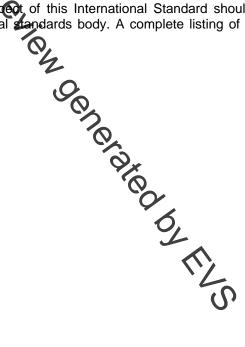
The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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 544 was prepared by Technical committee ISO/TC 44, Welding and allied processes, Subcommittee SC 3, Welding consumables.

This fourth edition cancels and replaces the third edition (ISO 544:2003), which has been technically revised.

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 these bodies can be found at <u>www.iso.org</u>.



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

Scope

1

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

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

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited application of the referenced document (including any amendments) applies

ISO 14174, Welding consumables — Fluxes for submerged arc welding and electroslag welding — Classification¹)

ISO 14344, Welding consumables — Procurement of the materials and fluxes

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

3 **Product type and welding process**

The types of products covered by this International Standard and 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 4063:2009^[1] are given for information.

4 Dimensions and tolerances

4.1 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.

¹⁾ To be published. (Revision of ISO 14174:2004)