
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*



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Foreword

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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.

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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.

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1 Scope

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 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*¹⁾

ISO 14344, *Welding consumables — Procurement of filler 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 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 4063:2009^[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)