INTERNATIONAL STANDARD

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Welding consumables — Test methods —

Part 2: Preparation of single-run and two-run technique test pieces and specimens in steel

Produits consommables pour le soudage — Méthodes d'essai — Partie 2: Préparation de pièces d'essai et d'éprouvettes en une ou deux passes en acier

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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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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This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 121, *Welding and allied processes,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Official interpretations of ISO/TC 44 documents, where they exist, are available from this page: https://committee.iso.org/sites/tc44/home/interpretation.html.

This second edition cancels and replaces the first edition (ISO 15792-2:2000), which has been technically revised.

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

— the title and scope of this document have been changed;

— Clause 10 and Clause 11 have been deleted consequently;

— a new type 2.6 has been added to Table 1 reflecting usage in the USA;

— in Table 1, the angles in column 3, preparation, have been revised to show the bevel angle with a footnote giving tolerances for 2.1, 2.4 and 2.5;

— in Figure 1 b), effective weld length has been added;

— Figure 2 has been revised and split into Figure 2a and Figure 2b with titles showing restrictions for use.

Introduction

Consumables for both submerged arc welding and metal arc welding with tubular cored electrodes can be suitable for welding by the single- or two-run technique and the methods for testing and classification are specified. When a welding consumable is offered for use by these techniques, it should be noted that all-weld metal test pieces may not be required by the consumable classification standard.

Test conditions prescribed and results required should not be considered to be requirements or expectations for a procedure qualification.