

Second edition  
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## **Welding consumables — Test methods —**

### **Part 1: Preparation of all-weld metal test pieces and specimens in steel, nickel and nickel alloys**

*Produits consommables pour le soudage — Méthodes d'essai —*

*Partie 1: Préparation des pièces d'essai et des éprouvettes de métal fondu hors dilution pour le soudage de l'acier, du nickel et des alliages de nickel*



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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](http://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).

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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 15792-1:2000), which has been technically revised. It also incorporates the Amendment ISO 15792-1:2000/Amd 1:2011. 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;
- in [Clause 1](#), pass has been changed to run for consistency with other standards;
- tolerances have been added to [Table 1](#).

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## Introduction

It should be noted that the mechanical properties of all-weld metal test specimens used to classify welding consumables can vary from those obtained in production joints because of differences in welding procedure such as electrode diameter, width of weave, welding position and material composition.