



International
Standard

ISO 15614-5

**Second edition
2024-02**

**Specification and qualification of
welding procedures for metallic
materials — Welding procedure
test —**

**Part 5:
Arc welding of titanium, zirconium
and their alloys**

*Descriptif et qualification d'un mode opératoire de soudage pour
des matériaux métalliques — Épreuve de qualification d'un mode
opératoire de soudage —*

Partie 5: Soudage à l'arc sur titane, zirconium et leurs alliages



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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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This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 10, *Quality management in the field of welding*, 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).

This second edition cancels and replaces the first edition (ISO 15614-5:2004), which has been technically revised.

The main changes are as follows:

- normative references updated;
- [Table 2](#) and [Table 3](#) revised using the same format as ISO 15614-1;
- reference to EN 439 replaced with ISO 14175;
- process numbers updated in accordance with ISO 4063;
- [Annex A](#) updated.

A list of all parts in the ISO 15614 series can be found on the ISO website.

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Introduction

All new welding procedure tests are intended to be carried out in accordance with this document. However, this document does not invalidate previous welding procedure tests made to former national standards or specifications or the previous edition of this document.

Where additional tests have to be carried out to make a qualification technically equivalent, these should be done on a test piece which is made in accordance with this document.