ICS 25.160.20 SLOVENSKÁ TECHNICKÁ NORMA Marec 2021

STN	**Zváracie materiály Metódy skúšania Časť 1: Metódy skúšania skúšobných vzoriek zvarového kovu ocelí, niklu a niklových zliatin (ISO 15792-1: 2020)**	**STN EN ISO 15792-1 05 5520**

Welding consumables - Test methods - Part 1: Preparation of all-weld metal test pieces and specimens in steel, nickel and nickel alloys (ISO 15792-1:2020)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/21

Obsahuje: EN ISO 15792-1:2020, ISO 15792-1:2020

Oznámením tejto normy sa ruší
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EUROPEAN STANDARD
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EN ISO 15792-1

September 2020

ICS 25.160.20 Supersedes EN ISO 15792-1:2008

English Version

Welding consumables - Test methods - Part 1: Preparation of all-weld metal test pieces and specimens in steel, nickel and nickel alloys (ISO 15792-1:2020)

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 (ISO 15792-1:2020)

Schweißzusätze - Prüfverfahren - Teil 1: Herstellung von Schweißgutprüfstücken und -proben an Stahl, Nickel und Nickellegierungen (ISO 15792 1:2020)

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EN ISO 15792-1:2020 (E)

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European foreword

This document (EN ISO 15792-1:2020) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 “Welding and allied processes” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2021, and conflicting national standards shall be withdrawn at the latest by March 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 15792-1:2008.

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Endorsement notice

The text of ISO 15792-1:2020 has been approved by CEN as EN ISO 15792-1:2020 without any modification.

INTERNATIONAL STANDARD

ISO 15792-1

Second edition
2020-08

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

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.

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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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www. iso. org/iso/foreword. html.

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 15792-1:2000), 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.

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.

INTERNATIONAL STANDARD **ISO 15792-1:2020(E)**

Welding consumables — Test methods —

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

1 Scope

This document specifies the preparation of test pieces and specimens for all-weld metal tests in steel, nickel and nickel alloys.

The test pieces and specimens are used to determine the mechanical properties of all-weld metal where required by consumable classification standards or for other purposes, in arc welding of steel, nickel and nickel alloys.

This document is not applicable to single- or two-run welding or fillet welding. For these cases, ISO 15792-2 and ISO 15792-3 apply.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 5178, *Destructive tests on welds in metallic materials — Longitudinal tensile test on weld metal in fusion welded joints*

ISO 9016:2012, *Destructive tests on welds in metallic materials — Impact tests — Test specimen location, notch orientation and examination*