

**Keevitusmaterjalid. Katsemeetodid. Osa 1:
Kontroll-liited terasele, niklile ja niklisulamitele
puhta keevismetalli katsekehade valmistamiseks**

Welding consumables - Test methods - Part 1: Test methods for all-weld metal test specimens in steel, nickel and nickel alloys

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 15792-1:2008 sisaldab Euroopa standardi EN ISO 15792-1:2008 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 20.06.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 07.05.2008.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 15792-1:2008 consists of the English text of the European standard EN ISO 15792-1:2008.

This standard is ratified with the order of Estonian Centre for Standardisation dated 20.06.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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Võtmesõnad: ettevalmistus, kaarkeevitus, katsekehad, keevismetall, keevitus, klassifikatsioonid, liitmine, lisamaterjalid, mehaanilised omadused, nikkel, niklisulamid, terased, testimine

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Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
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English Version

Welding consumables - Test methods - Part 1: Test methods for
all-weld metal test specimens in steel, nickel and nickel alloys
(ISO 15792-1:2000)

Produits consommables pour le soudage - Méthodes
d'essai - Partie 1: Méthodes d'essai pour les éprouvettes
de métal fondu hors dilution pour le soudage de l'acier, du
nickel et des alliages de nickel (ISO 15792-1:2000)

Schweißzusätze - Prüfverfahren - Teil 1: Prüfverfahren für
Prüfstücke zur Entnahme von Schweißgutproben an Stahl,
Nickel und Nickellegierungen (ISO 15792-1:2000)

This European Standard was approved by CEN on 5 April 2008.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

The text of ISO 15792-1:2000 has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 15792-1:2008 by Technical Committee CEN/TC 121 "Welding" 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 November 2008, and conflicting national standards shall be withdrawn at the latest by November 2008.

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

This document supersedes EN 1597-1:1997.

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Endorsement notice

The text of ISO 15792-1:2000 has been approved by CEN as a EN ISO 15792-1:2008 without any modification.

Introduction

It should be noted that the mechanical properties of all-weld metal test specimens used to classify welding consumables could 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.

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

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Welding consumables — Test methods —

Part 1:

Test methods for all-weld metal test specimens in steel, nickel and nickel alloys

1 Scope

This part of ISO 15792 specifies the preparation of test piece and specimens. The purpose is to determine mechanical properties of all-weld metal where required by the consumable classification standard or for other purposes, in arc welding of steel, nickel and nickel alloys.

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

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 15792. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 15792 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 5178, *Destructive tests on welds in metallic materials — Longitudinal tensile test on weld metal in fusion welded joints.*

ISO 9016:2000, *Destructive tests on welds in metallic materials — Impact tests — Test specimen location, notch orientation and examination.*

ISO 13916:1996, *Welding — Guidance on the measurement of preheating temperature, interpass temperature and preheat maintenance temperature.*

3 General requirements

Welding consumables to be tested shall be representative of the manufacturer's products to be classified or tested. Test pieces shall be prepared as described below.

4 Test plate material

The material to be used for the test piece shall be compatible with the weld metal provided by the welding consumable tested. Alternatively, the groove edges and the backing strip shall be built up with at least two layers using the welding consumable being tested.