METALSETE MATERJALIDE KEEVISLIIDETE PURUSTAV KATSETAMINE. LÖÖKPAINDEKATSED. KATSEKEHADE ASUKOHT, SOONE ASEND JA UURIMINE

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

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 9016:2012 sisaldab Euroopa standardi EN ISO 9016:2012 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 9016:2012 consists of the English text of the European standard EN ISO 9016:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 01.11.2012.	Date of Availability of the European standard is 01.11.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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English Version

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

Essais destructifs des soudures sur matériaux métalliques - Essai de flexion par choc - Position de l'éprouvette, orientation de l'entaille et examen (ISO 9016:2012)

Zerstörende Prüfung von Schweißverbindungen an metallischen Werkstoffen - Kerbschlagbiegeversuch - Probenlage, Kerbrichtung und Beurteilung (ISO 9016:2012)

This European Standard was approved by CEN on 31 October 2012.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN ISO 9016:2012) has been prepared by Technical Committee ISO/TC 44 “Welding and allied processes” in collaboration with 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 May 2013, and conflicting national standards shall be withdrawn at the latest by May 2013.

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 ISO 9016:2011.

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Endorsement notice

The text of ISO 9016:2012 has been approved by CEN as a EN ISO 9016:2012 without any modification.

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Destructive tests on welds in metallic materials — Impact tests — Test specimen location, notch orientation and examination

1 Scope

This International Standard specifies mainly the method to be used when describing test specimen location and notch orientation for the testing and reporting of impact tests on welded butt joints.

This International Standard applies to impact tests on metallic materials in all forms of product made by any fusion welding process.

It is used in addition to ISO 148 (all parts) and includes test specimen denomination and additional reporting requirements.

2 Normative reference

The following referenced documents are indispensable for the application 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 148-1, *Metallic materials — Charpy pendulum impact test — Part 1: Test method*

3 Principle

Impact testing shall be in accordance with ISO 148-1. The test temperature, location, type and size of test specimen, and notch orientation shall be in accordance with the relevant application standard.

In addition to the requirements of ISO 148-1, the notch position may be located by macroetching.

4 Method of denomination

4.1 Lettering system

The denomination is based on a lettering system to describe the type, location and notch orientation and a numbering system to show the distance (in millimetres) of the notch from reference lines (RL). The method of denomination is shown in Tables 1 and 2. The test specimen shall be taken from the welded joint such that its longitudinal axes are at right angles to the weld length.

4.2 Characters

The denomination comprises the following characters:

— 1st character U: Charpy U- notch.

V: Charpy V-notch.

— 2nd character W: notch in the weld metal; the reference line is the centre line of the weld at the position of the test specimen.

H: notch in the heat affected zone; the reference line is the fusion or the joint line (notch will include HAZ).