Metalsete materjalide keevisõmbluste purustav katsetamine. Ristsuunalised (põiksuunalised) tõmbekatsed (ISO 4136:2012)

Destructive tests on welds in metallic materials - Transverse tensile test (ISO 4136:2012)

EESTI STANDARDIKESKUS
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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 4136:2012 sisaldab Euroopa standardi EN ISO 4136:2012 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 4136:2012 consists of the English text of the European standard EN ISO 4136:2012.
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 - Transverse tensile test (ISO 4136:2012)

Essais destructifs des soudures sur matériaux métalliques - Essai de traction transversale (ISO 4136:2012)

Zerstörende Prüfung von Schweißverbindungen an metallischen Werkstoffen - Querzugversuch (ISO 4136:2012)

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

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

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Foreword

This document (EN ISO 4136:2012) 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of an identical text or by endorsement, at the latest by May 2013, and conflicting national standards shall be withdrawn at the latest by May 2013.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.

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Endorsement notice

The text of ISO 4136:2012 has been approved by CEN as a EN ISO 4136:2012 without any modification.

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1 Scope

This International Standard specifies the sizes of test specimen and the procedure for carrying out transverse tensile tests in order to determine the tensile strength and the location of fracture of a welded butt joint.

This International Standard applies to metallic materials in all forms of product with joints made by any fusion welding process.

Unless otherwise specified for specific points in this International Standard, the general principles of ISO 6892-1 and ISO 6892-2 apply.

2 Normative references

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 4063:2009, *Welding and allied processes — Nomenclature of processes and reference numbers*

ISO 6892-1, *Metallic materials — Tensile testing at ambient temperature — Part 1: Method of test at room temperature*

ISO 6892-2, *Metallic materials — Tensile testing at ambient temperature — Part 2: Method of test at elevated temperature*

3 Principle

An increasing tensile load is continuously applied until rupture occurs in a test specimen taken transversely from a welded joint.

Unless otherwise specified, the test shall be carried out at ambient temperature (23 ± 5) °C.

4 Symbols and abbreviated terms

The symbols and abbreviated terms to be used for the transverse tensile tests are specified in Table 1 and represented in Figures 1 to 3.