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Destructive tests on welds in metallic materials - Fracture test (ISO 9017:2001)

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. 01/14

Obsahuje: EN ISO 9017:2013, ISO 9017:2001

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English Version

Destructive tests on welds in metallic materials - Fracture test (ISO 9017:2001)

Essais destructifs des soudures sur matériaux métalliques -Essai de texture (ISO 9017:2001) Zerstörende Prüfung von Schweißverbindungen an metallischen Werkstoffen - Bruchprüfung (ISO 9017:2001)

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Management Centre: Avenue Marnix 17, B-1000 Brussels

EN ISO 9017:2013 (E)

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Foreword

The text of ISO 9017:2001 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 9017:2013 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of an identical text or by endorsement, at the latest by February 2014, and conflicting national standards shall be withdrawn at the latest by February 2014.

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 9017:2001 has been approved by CEN as EN ISO 9017:2013 without any modification.

INTERNATIONAL STANDARD

ISO 9017

First edition 2001-04-01

Destructive tests on welds in metallic materials — Fracture test

Essais destructifs des soudures sur matériaux métalliques — Essai de texture



ISO 9017:2001(E)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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International Standard ISO 9017 was prepared by Technical Committee ISO/TC 44, Welding and allied processes, Subcommittee SC 5, Testing and inspection of welds.

Annex A of this International Standard is for information only.

Destructive tests on welds in metallic materials — Fracture test

1 Scope

This International standard specifies the sizes of test specimen and the procedures for carrying out fracture tests in order to obtain information about types, sizes and distribution of internal imperfections such as porosities, cracks, lack of fusion, lack of penetration and solid inclusions on the fracture surface.

This International Standard applies to metallic materials in all forms of product with joints made by any fusion welding process with a thickness greater or equal to 2 mm.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard 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 5817:—¹⁾, Welding — Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) — Quality levels for imperfections.

ISO 10042, Arc-welded joints in aluminium and its weldable alloys — Guidance on quality levels for imperfections.

EN 970, Non-destructive examination of fusion welds — Visual examination.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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¹⁾ To be published. (Revision of ISO 5817:1992)