

Nedeštruktívne skúšanie. Skúšanie ultrazvukom. Charakteristika a stanovenie veľkosti chýb (ISO 16827: 2012).

STN EN ISO 16827

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Non-destructive testing - Ultrasonic testing - Characterization and sizing of discontinuities (ISO 16827:2012)

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. 08/14

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English Version

Non-destructive testing - Ultrasonic testing - Characterization and sizing of discontinuities (ISO 16827:2012)

Essais non destructifs - Contrôle par ultrasons - Caractérisation et dimensionnement des discontinuités (ISO 16827:2012)

Zerstörungsfreie Prüfung - Ultraschallprüfung -Beschreibung und Größenbestimmung von Inhomogenitäten (ISO 16827:2012)

This European Standard was approved by CEN on 9 February 2014.

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EN ISO 16827:2014 (E)

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Foreword

The text of ISO 16827:2012 has been prepared by Technical Committee ISO/TC 135 "Non-destructive testing" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 16827:2014 by Technical Committee CEN/TC 138 "Non-destructive testing" the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by September 2014, and conflicting national standards shall be withdrawn at the latest by September 2014.

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Endorsement notice

The text of ISO 16827:2012 has been approved by CEN as EN ISO 16827:2014 without any modification.

INTERNATIONAL STANDARD

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Non-destructive testing — Ultrasonic testing — Characterization and sizing of discontinuities

Essais non destructifs — Contrôle par ultrasons — Caractérisation et dimensionnement des discontinuités



ISO 16827:2012(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 2.

The main task of technical committees is to prepare International Standards. 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.

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

ISO 16827 was prepared by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 3, *Ultrasonic testing*.

Introduction

This International Standard is based on EN 583-5:2000+A1:2003, *Non-destructive testing — Ultrasonic examination — Part 5: Characterization and sizing of discontinuities*.

The following International Standards are linked.

ISO 16810, Non-destructive testing — Ultrasonic testing — General principles

ISO 16811, Non-destructive testing — Ultrasonic testing — Sensitivity and range setting

ISO 16823, Non-destructive testing — Ultrasonic testing — Transmission technique

ISO 16826, Non-destructive testing — Ultrasonic testing — Examination for discontinuities perpendicular to the surface

ISO 16827, Non-destructive testing — Ultrasonic testing — Characterization and sizing of discontinuities

ISO 16828, Non-destructive testing — Ultrasonic testing — Time-of-flight diffraction technique as a method for detection and sizing of discontinuities

Non-destructive testing — Ultrasonic testing — Characterization and sizing of discontinuities

1 Scope

This document specifies the general principles and techniques for the characterization and sizing of previously detected discontinuities in order to ensure their evaluation against applicable acceptance criteria. It is applicable, in general terms, to discontinuities in those materials and applications covered by ISO 16810.

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 16810:2012, Non-destructive testing — Ultrasonic testing — General principles

ISO 16811, Non-destructive testing — Ultrasonic testing — Sensitivity and range setting

ISO 16823, Non-destructive testing — Ultrasonic testing — Transmission technique

ISO 16828, Non-destructive testing — Ultrasonic testing — Time-of-flight diffraction technique as a method for detection and sizing of discontinuities

ISO 23279, Non-destructive testing of welds — Ultrasonic testing — Characterization of indications in welds

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