

STN	Nedeštruktívne skúšanie zvarov Difrakčná technika merania času prechodu (TOFD) Úrovne prípustnosti (ISO 15626: 2018)	STN EN ISO 15626 05 1156
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Non-destructive testing of welds - Time-of-flight diffraction technique (TOFD) - Acceptance levels (ISO 15626:2018)

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. 01/19

Obsahuje: EN ISO 15626:2018, ISO 15626:2018

Oznámením tejto normy sa ruší
STN EN ISO 15626 (05 1156) z februára 2014

127942

EUROPEAN STANDARD

EN ISO 15626

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2018

ICS 25.160.40

Supersedes EN ISO 15626:2013

English Version

Non-destructive testing of welds - Time-of-flight diffraction technique (TOFD) - Acceptance levels (ISO 15626:2018)

Essais non destructifs des assemblages soudés -
Technique de diffraction des temps de vol (méthode
TOFD) - Niveaux d'acceptation (ISO 15626:2018)

Zerstörungsfreie Prüfung von Schweißverbindungen -
Beugungslaufzeittechnik (TOFD) -
Zulässigkeitsgrenzen (ISO 15626:2018)

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EN ISO 15626:2018 (E)

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European foreword

This document (EN ISO 15626:2018) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 "Welding and allied processes" 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of an identical text or by endorsement, at the latest by February 2019, and conflicting national standards shall be withdrawn at the latest by February 2019.

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INTERNATIONAL STANDARD

ISO
15626

Second edition
2018-07

Non-destructive testing of welds — Time-of-flight diffraction technique (TOFD) — Acceptance levels

*Essais non destructifs des assemblages soudés — Technique
de diffraction des temps de vol (méthode TOFD) — Niveaux
d'acceptation*



Reference number
ISO 15626:2018(E)

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Published in Switzerland

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 5, *Testing and inspection of welds*.

Any feedback, question or request for official interpretation related to any aspect of this document should be directed to the Secretariat of ISO/TC 44/SC 5 via your national standards body. A complete listing of these bodies can be found at www.iso.org/members.html. Official interpretations, where they exist, are available from this page: <https://committee.iso.org/sites/tc44/home/interpretation.html>.

This second edition cancels and replaces the first edition (ISO 15626:2011), which has been technically revised. The main changes compared to the previous edition are as follows:

- in [6.3.1](#), method 4 has been described;
- for all figures, the keys have been completed.

Non-destructive testing of welds — Time-of-flight diffraction technique (TOFD) — Acceptance levels

1 Scope

This document specifies acceptance levels for the time-of-flight diffraction technique (TOFD) of full penetration welds in ferritic steels from 6 mm up to 300 mm thickness which correspond to the quality levels of ISO 5817.

These acceptance levels are applicable to indications classified in accordance with ISO 10863.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 5577, *Non-destructive testing — Ultrasonic testing — Vocabulary*

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