

STN	Nedeštruktívne skúšanie Zariadenia na skúšanie vírivými prúdmi Časť 1: Charakteristiky prístrojov a ich overovanie (ISO 15548-1: 2026)	STN EN ISO 15548-1 01 5018
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Non-destructive testing - Equipment for eddy current examination - Part 1: Instrument characteristics and verification (ISO 15548-1:2026)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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EN ISO 15548-1

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English Version

**Non-destructive testing - Equipment for eddy current
examination - Part 1: Instrument characteristics and
verification (ISO 15548-1:2026)**

Essais non destructifs - Appareillage pour examen par
courants de Foucault - Partie 1: Caractéristiques de
l'appareil et vérifications (ISO 15548-1:2026)

Zerstörungsfreie Prüfung - Technische Ausrüstung für
die Wirbelstromprüfung - Teil 1: Kenngrößen von
Prüfgeräten und deren Verifizierung (ISO 15548-
1:2026)

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European foreword

This document (EN ISO 15548-1:2026) has been prepared by Technical Committee ISO/TC 135 "Non-destructive testing" in collaboration with 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of an identical text or by endorsement, at the latest by October 2026, and conflicting national standards shall be withdrawn at the latest by October 2026.

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The text of ISO 15548-1:2026 has been approved by CEN as EN ISO 15548-1:2026 without any modification.



International Standard

ISO 15548-1

Non-destructive testing — Equipment for eddy current examination —

Part 1: Instrument characteristics and verification

*Essais non destructifs — Appareillage pour examen par courants
de Foucault —*

Partie 1: Caractéristiques de l'appareil et vérifications

**Third edition
2026-04**

ISO 15548-1:2026(en)



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ISO 15548-1:2026(en)**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 document 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 135, *Non-destructive testing*, Subcommittee SC 4, *Eddy current testing*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, *Non-destructive testing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 15548-1:2013), which has been technically revised.

The main changes are as follows:

- inclusion of digital instrument;
- revision of the measurement procedures;
- introduction of acceptance criteria.

A list of all parts in the ISO 15548 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

ISO 15548-1:2026(en)**Introduction**

The evaluation of the characteristics of general-purpose eddy current instruments permits a well-defined description and comparability of eddy current instruments.

By careful choice of the characteristics, a consistent and effective eddy current examination system can be designed for a specific application.

Non-destructive testing — Equipment for eddy current examination —

Part 1: Instrument characteristics and verification

1 Scope

This document specifies the characteristics of general-purpose eddy current instruments and provides methods for their evaluation and verification.

This document can be completed by an application document specifying acceptance criteria for the characteristics of the eddy current instrument.

Where accessories are used, these are characterized using the principles of this document (e.g. additional external amplifiers).

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 9712, *Non-destructive testing — Qualification and certification of NDT personnel*

ISO 12718, *Non-destructive testing — Eddy current testing — Vocabulary*

ISO 15549, *Non-destructive testing — Eddy current testing — General principles*

ISO 18173, *Non-destructive testing — General terms and definitions*

ISO/IEC Guide 99, *International vocabulary of metrology — Basic and general concepts and associated terms (VIM)*

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