



SLOVENSKI STANDARD
SIST EN ISO 18563-2:2024

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Neporušitvene preiskave - Karakterizacija in preverjanje ultrazvočne opreme faznih sistemov - 2. del: Matrične sonde (ISO 18563-2:2024)

Non-destructive testing - Characterization and verification of ultrasonic phased array equipment - Part 2: Array probes (ISO 18563-2:2024)

Zerstörungsfreie Prüfung - Charakterisierung und Verifizierung der Ultraschall-Prüfausrüstung mit Phased-Arrays - Teil 2: Prüfköpfe (ISO 18563-2:2024)

Essais non destructifs - Caractérisation et vérification de l'appareillage de contrôle par ultrasons en multiéléments - Partie 2: Traducteurs multiéléments (ISO 18563-2:2024)

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Non-destructive testing - Characterization and verification of ultrasonic phased array equipment - Part 2: Array probes (ISO 18563-2:2024)

Essais non destructifs - Caractérisation et vérification
de l'appareillage de contrôle par ultrasons en
multiéléments - Partie 2: Traducteurs multiéléments
(ISO 18563-2:2024)

Zerstörungsfreie Prüfung - Charakterisierung und
Verifizierung der Ultraschall-Prüfausrüstung mit
Phased-Array - Teil 2: Array-Prüfköpfe (ISO 18563-
2:2024)

This European Standard was approved by CEN on 22 September 2024.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

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[SIST EN ISO 18563-2:2024](https://standards.itih.ai/catalog/standards/sist/0787ac94-4304-4137-ab23-74485466f0b1/sist-en-iso-18563-2-2024)

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European foreword

This document (EN ISO 18563-2:2024) 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of an identical text or by endorsement, at the latest by April 2025, and conflicting national standards shall be withdrawn at the latest by April 2025.

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

This document supersedes EN ISO 18563-2:2017.

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The text of ISO 18563-2:2024 has been approved by CEN as EN ISO 18563-2:2024 without any modification.

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**International
Standard**

ISO 18563-2

**Non-destructive testing —
Characterization and verification
of ultrasonic phased array
equipment —**

**Part 2:
Array probes**

*Essais non destructifs — Caractérisation et vérification de
l'appareillage de contrôle par ultrasons en multiéléments —*

Partie 2: Transducteurs multiéléments

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**Second edition
2024-09**

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ISO 18563-2:2024(en)

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Quantities and symbols	2
5 General compliance	2
6 Technical information for array probes	3
7 Test equipment	4
7.1 Electronic equipment.....	4
7.2 Test setup.....	4
7.2.1 General.....	4
7.2.2 Contact technique.....	4
7.2.3 Immersion technique.....	5
8 Performance tests for array probes	5
8.1 General.....	5
8.2 Physical aspects.....	5
8.2.1 Method.....	5
8.2.2 Acceptance criterion.....	5
8.3 Relative pulse-echo sensitivity variation.....	5
8.3.1 General.....	5
8.3.2 Method.....	5
8.3.3 Acceptance criteria.....	6
8.4 Frequency, bandwidth and pulse duration.....	6
8.4.1 General.....	6
8.4.2 Method.....	6
8.4.3 Acceptance criteria.....	7
8.5 Array probe sensitivity.....	7
8.5.1 General.....	7
8.5.2 Method.....	7
8.5.3 Acceptance criteria.....	7
8.6 Inter-element cross-talk attenuation (optional).....	8
8.6.1 General.....	8
8.6.2 Method.....	8
8.6.3 Acceptance criterion.....	8
8.7 Number of elements out of specification.....	8
8.7.1 General.....	8
8.7.2 Method.....	9
8.7.3 Acceptance criteria.....	9
Bibliography	10

ISO 18563-2:2024(en)

Foreword

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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 ISO Technical Committee TC 135, *Non-destructive testing*, Subcommittee SC 3, *Ultrasonic 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 second edition cancels and replaces the first edition (ISO 18563-2:2017), which has been technically revised.

The main changes are as follows:

- terminology and types of array probes modified according to ISO 23243;
- the wording 'measurement' is replaced by 'determination' or 'evaluation', where applicable.

A list of all parts in the ISO 18563 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.