



SLOVENSKI STANDARD

oSIST prEN ISO 23279:2026

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**Neporušitveno preskušanje zvarnih spojev - Ultrazvočno preskušanje -
Karakterizacija nehomogenosti v zvarnih spojih (ISO/DIS 23279:2026)**

Non-destructive testing of welds - Ultrasonic testing - Characterization of discontinuities
in welds (ISO/DIS 23279:2026)

Zerstörungsfreie Prüfung von Schweißverbindungen - Ultraschallprüfung -
Charakterisierung von Inhomogenitäten in Schweißnähten (ISO/DIS 23279:2026)

Essais non destructifs des assemblages soudés - Contrôle par ultrasons -
Caractérisation des discontinuités dans les assemblages soudés (ISO/DIS 23279:2026)

Ta slovenski standard je istoveten z: **prEN ISO 23279**

ICS:

25.160.40	Varjeni spoji in vari	Welded joints and welds
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DRAFT International Standard

ISO/DIS 23279

Non-destructive testing of welds — Ultrasonic testing — Characterization of discontinuities in welds

*Essais non destructifs des assemblages soudés — Contrôle
par ultrasons — Caractérisation des discontinuités dans les
assemblages soudés*

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ISO/DIS 23279:2026(en)**Foreword**

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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*.

This fourth edition cancels and replaces the third edition (ISO 23279:2017), which has been technically revised.

Requests for official interpretations of 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.

Non-destructive testing of welds — Ultrasonic testing — Characterization of discontinuities in welds

1 Scope

This document specifies how to characterize indications from discontinuities by classifying them as originating from planar or non-planar embedded discontinuities.

This procedure is also suitable for indications from discontinuities that break the surface after removal of the weld reinforcement.

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*

ISO 17640, *Non-destructive testing of welds — Ultrasonic testing — Techniques, testing levels, and assessment*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5577 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

4 Principle of classification

Classification of discontinuities as planar or non-planar is based on several parameters:

- a) welding techniques;
- b) geometrical position of the discontinuity;
- c) maximum echo amplitude;
- d) directional reflectivity;
- e) static echo pattern (i.e. A-scan);
- f) dynamic echo pattern (envelope).

The process of classification involves examining each of the parameters against all the others in order to arrive at an accurate conclusion.

For guidance, [Figure A.1](#) gives the classification of indications from internal weld discontinuities suitable for general applications.