

STN	Nedeštruktívne skúšanie Kvalita obrazu rádiogramov Časť 3: Triedy kvality obrazu (ISO 19232-3: 2025)	STN EN ISO 19232-3 01 5034
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Non-destructive testing - Image quality of radiographs - Part 3: Minimum image quality values (ISO 19232-3:2025)

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. 09/25

Obsahuje: EN ISO 19232-3:2025, ISO 19232-3:2025

Oznámením tejto normy sa ruší
STN EN ISO 19232-3 (01 5034) z decembra 2013

141106

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2025
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii
v znení neskorších predpisov.

EUROPEAN STANDARD

EN ISO 19232-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2025

ICS 19.100

Supersedes EN ISO 19232-3:2013

English Version

Non-destructive testing - Image quality of radiographs - Part 3: Minimum image quality values (ISO 19232-3:2025)

Essais non destructifs - Qualité d'image des
radiogrammes - Partie 3: Indices de qualité d'image
minimaux (ISO 19232-3:2025)

Zerstörungsfreie Prüfung - Bildgüte von
Durchstrahlungsaufnahmen - Teil 3: Werte für die
Bildqualität (ISO 19232-3:2025)

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COMITÉ EUROPÉEN DE NORMALISATION
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EN ISO 19232-3:2025 (E)

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European foreword

This document (EN ISO 19232-3:2025) 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of an identical text or by endorsement, at the latest by January 2026, and conflicting national standards shall be withdrawn at the latest by January 2026.

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 19232-3:2013.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 19232-3:2025 has been approved by CEN as EN ISO 19232-3:2025 without any modification.



International Standard

ISO 19232-3

Non-destructive testing — Image quality of radiographs —

Part 3: Minimum image quality values

*Essais non destructifs — Qualité d'image des radiogrammes —
Partie 3: Indices de qualité d'image minimaux*

**Third edition
2025-07**

ISO 19232-3:2025(en)



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Published in Switzerland

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ISO 19232-3:2025(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 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 135, *Non-destructive testing*, Subcommittee SC 5, *Radiographic 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 19232-3:2013), which has been technically revised.

The main changes are as follows:

- title change from: “image quality classes” to “Minimum image quality values”;
- additions to definitions [3.2](#) and [3.3](#);
- renamed [Clause 4](#) “Image quality values”;
- revision of [Clause 7](#) “Reduction of image quality values for gamma radiography”;
- renamed [Clauses 8](#), 9, 10, 11, 12 and 13 for better readability and traceability;
- updated nominal thickness values for IQI values W2 to W5 in [table 1](#);
- updated titles of all tables for better readability and traceability;
- editorial changes.

A list of all parts in the ISO 19232 series can be found on the ISO website.

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Non-destructive testing — Image quality of radiographs —

Part 3: Minimum image quality values

1 Scope

This document specifies the minimum image quality values (using IQIs) to ensure a uniform radiographic image quality. This document specifies the minimum IQI values for the two testing classes, A and B, of radiographic techniques as specified in ISO 5579. This document is applicable to the two types of image quality indicators as detailed in ISO 19232-1 for wire-type IQIs and ISO 19232-2 for step/hole-type IQIs, and for the two testing classes A and B, as specified in ISO 5579.

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 5579, *Non-destructive testing — Radiographic testing of metallic materials using film and X- or gamma rays — Basic rules*

ISO 5580, *Non-destructive testing — Industrial radiographic illuminators — Minimum requirements*

ISO 17636 (all parts), *Non-destructive testing of welds — Radiographic testing*

ISO 19232-1, *Non-destructive testing — Image quality of radiographs — Part 1: Determination of the image quality value using wire-type image quality indicators*

ISO 19232-2, *Non-destructive testing — Image quality of radiographs — Part 2: Determination of the image quality value using step/hole-type image quality indicators*

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