

STN	<p>Nedeštruktívne skúšanie Kvalita obrazu rádiogramov Časť 5: Indikátory kvality obrazu Stanovenie hodnoty neostrosci obrazu a základného priestorového rozlíšenia použitím dvojdrôtikovej mierky (ISO 19232-5: 2018)</p>	<p>STN EN ISO 19232-5</p>
		01 5034

Non-destructive testing - Image quality of radiographs - Part 5: Determination of the image unsharpness and basic spatial resolution value using duplex wire-type image quality indicators (ISO 19232-5:2018)

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. 06/19

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English Version

**Non-destructive testing - Image quality of radiographs -
Part 5: Determination of the image unsharpness and basic
spatial resolution value using duplex wire-type image
quality indicators (ISO 19232-5:2018)**

Essais non destructifs - Qualité d'image des
radiogrammes - Partie 5: Détermination de l'indice de
flou de l'image et de la résolution spatiale de base à
l'aide d'indicateurs de qualité d'image duplex à fils (ISO
19232-5:2018)

Zerstörungsfreie Prüfung - Bildgüte von
Durchstrahlungsaufnahmen - Teil 5: Bestimmung der
Bildunschärfezahl mit Doppeldraht-Typ-
Bildgüteprüfkörpern (ISO 19232-5:2018)

This European Standard was approved by CEN on 24 August 2018.

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European foreword

This document (EN ISO 19232-5:2018) 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of an identical text or by endorsement, at the latest by March 2019, and conflicting national standards shall be withdrawn at the latest by March 2019.

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.

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Endorsement notice

The text of ISO 19232-5:2018 has been approved by CEN as EN ISO 19232-5:2018 without any modification.

**INTERNATIONAL
STANDARD****ISO
19232-5**Third edition
2018-08

**Non-destructive testing — Image
quality of radiographs —****Part 5:****Determination of the image
unsharpness and basic spatial
resolution value using duplex wire-
type image quality indicators***Essais non destructifs — Qualité d'image des radiogrammes —**Partie 5: Détermination de l'indice de flou de l'image et de la
résolution spatiale de base à l'aide d'indicateurs de qualité d'image
duplex à fils*Reference number
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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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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 5, *Radiation methods*.

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.

This third edition cancels and replaces the second edition (ISO 19232-5:2013), which has been technically revised. The main changes compared to the previous edition are as follows:

- new high definition duplex IQI;
- extended description of usage;
- extended table with basic spatial resolution and linepairs/mm;
- evaluation of duplex wire-type IQI by visual evaluation and evaluation with profile function in digital images.

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

Non-destructive testing — Image quality of radiographs —

Part 5:

Determination of the image unsharpness and basic spatial resolution value using duplex wire-type image quality indicators

1 Scope

This document specifies a method of determining the total image unsharpness and basic spatial resolution of radiographs and radioscopy images. The IQI with up to 13 wire pairs can be used effectively with tube voltages up to 600 kV. The IQI with more than 13 wire pairs can be used effectively at tube voltages lower than 225 kV. When using source voltages in the megavolt range, it is possible that the results are not completely satisfactory.

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 5576, *Non-destructive testing — Industrial X-ray and gamma-ray radiology — Vocabulary*

ISO/IEC 17050-1, *Conformity assessment — Supplier's declaration of conformity — Part 1: General requirements*

koniec náhľadu – text d'alej pokračuje v platenej verzii STN