

**Non-destructive testing - Image quality of radiographs -
Part 1: Determination of the image quality value using
wire-type image quality indicators (ISO 19232-1:2013)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 19232-1:2013 sisaldab Euroopa standardi EN ISO 19232-1:2013 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 19232-1:2013 consists of the English text of the European standard EN ISO 19232-1:2013.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 19.06.2013.	Date of Availability of the European standard is 19.06.2013.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 19.100

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English Version

Non-destructive testing - Image quality of radiographs - Part 1:
Determination of the image quality value using wire-type image
quality indicators (ISO 19232-1:2013)

Essais non destructifs - Qualité d'image des radiogrammes
- Partie 1: Détermination de l'indice de qualité d'image à
l'aide d'indicateurs à fils (ISO 19232-1:2013)

Zerstörungsfreie Prüfung - Bildgüte von
Durchstrahlungsaufnahmen - Teil 1: Bildgüteprüfkörper
(Drahtsteg) - Ermittlung der Bildgütezahl (ISO 19232-
1:2013)

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Foreword

This document (EN ISO 19232-1:2013) 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of an identical text or by endorsement, at the latest by December 2013, and conflicting national standards shall be withdrawn at the latest by December 2013.

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Endorsement notice

The text of ISO 19232-1:2013 has been approved by CEN as EN ISO 19232-1:2013 without any modification.

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Non-destructive testing — Image quality of radiographs —

Part 1:

Determination of the image quality value using wire-type image quality indicators

1 Scope

This part of ISO 19232 specifies a device and a method for the determination of the image quality of radiographs using wire-type image quality indicators.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

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

ISO 19232-4, *Non-destructive testing — Image quality of radiographs — Part 4: Experimental evaluation of image quality values and image quality tables*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

image quality

characteristic of a radiographic image which determines the degree of detail it shows

3.2

image quality indicator

IQI

device comprising a series of elements of graded dimensions which enable a measure of the image quality to be obtained

Note 1 to entry: The elements of IQI are commonly wires or steps with holes.

3.3

image quality value

measure of the image quality required or achieved and is equal to the thinnest element which can be detected on the radiograph

Note 1 to entry: For wire-type IQIs, the element numbers are given in [Table 1](#).

4 Specification for wire-type image quality indicators

4.1 Dimensions, designation

[Figure 1](#) represents a wire-type image quality indicator.