
**Non-destructive testing — Image quality
of radiographs —**

**Part 4:
Experimental evaluation of image quality
values and image quality tables**

Essais non destructifs — Qualité d'image des radiogrammes —

*Partie 4: Évaluation expérimentale des indices de qualité d'image et
des tables de qualité d'image*



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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 19232-4 was prepared by CEN (as EN 462-4:1994) and was adopted, under a special “fast-track procedure”, by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 5, *Radiation methods*, in parallel with its approval by the ISO member bodies.

ISO 19232 consists of the following parts, under the general title *Non-destructive testing — Image quality of radiographs*:

- *Part 1: Image quality indicators (wire type) — Determination of image quality value*
- *Part 2: Image quality indicators (step/hole type) — Determination of image quality value*
- *Part 3: Image quality classes for ferrous metals*
- *Part 4: Experimental evaluation of image quality values and image quality tables*
- *Part 5: Image quality indicators (duplex wire type) — Determination of image unsharpness value*

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Non-destructive testing — Image quality of radiographs —

Part 4:

Experimental evaluation of image quality values and image quality tables

1 Scope

This part of ISO 19232 gives instructions for the determination of image quality values and image quality tables.

If the IQI requirements from part 3 of this standard cannot be used, because, for example, the absorption coefficients of the IQI material and the inspected material differ by more than 30 %, test exposures are necessary to determine acceptance of image quality values. The image quality values achieved by the test exposures are required for all exposures made under the same radiographic conditions.

2 Normative references

The following referenced documents are indispensable for the application 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 19232-1, *Non-destructive testing — Image quality of radiographs — Part 1: Image quality indicators (wire type) — Determination of image quality value*

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

ISO 19232-3, *Non-destructive testing — Image quality of radiographs — Part 3: Image quality classes for ferrous metals*

3 Definitions

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

3.1

image quality indicators (IQI)

see ISO 19232-1 and ISO 19232-2

3.2

image quality

see ISO 19232-1 and ISO 19232-2

3.3

image quality value

see ISO 19232-1 and ISO 19232-2