

This is a preview of "ISO 19232-5:2013". [Click here to purchase the full version from the ANSI store.](#)

Second edition  
2013-06-15

---

---

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

Part 5:

### **Determination of the image unsharpness 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 à l'aide  
d'indicateurs de qualité d'image duplex à fils*



Reference number  
ISO 19232-5:2013(E)

© ISO 2013



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of "ISO 19232-5:2013". Click [here](#) to purchase the full version from the ANSI store.

## Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Specification of duplex wire-type IQI</b> .....	<b>1</b>
4.1 Dimensions, manufacture, and marking.....	1
4.2 Declaration of conformity.....	2
<b>5 Use of duplex wire</b> .....	<b>3</b>

## 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.

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 19232-5 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee TC 135, *Non-destructive testing*, Subcommittee SC 5, *Radiation methods*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 19232-5:2004), of which it constitutes a minor revision with the following changes:

- updated references and definitions;
- change of writing order of the duplex wire number;
- statement that EN duplex wire IQIs of EN 462-5:2004 and its designation are identical to ISO duplex wire-type IQIs and its designation, as defined in this part of ISO 19232;
- replacement of film by detector, which includes film and digital detectors;
- extended description for use of duplex wire-type IQI.

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

- *Part 1: Determination of the image quality value using wire-type image quality indicators*
- *Part 2: Determination of the image quality value using step/hole-type image quality indicators*
- *Part 3: Image quality classes*
- *Part 4: Experimental evaluation of image quality values and image quality tables*
- *Part 5: Determination of the image unsharpness value using duplex wire-type image quality indicators*