

ICS 25.180.40

Together with
DIN EN ISO 17636-1:2013-05,
supersedes
DIN EN 1435:2002-09 and
DIN EN 1435 Corrigendum 1:2004-05

**Non-destructive testing of welds –
Radiographic testing –
Part 2: X- and gamma-ray techniques with digital detectors
(ISO 17636-2:2013);
English version EN ISO 17636-2:2013,
English translation of DIN EN ISO 17636-2:2013-05**

Zerstörungsfreie Prüfung von Schweißverbindungen –
Durchstrahlungsprüfung –
Teil 2: Röntgen- und Gammastrahlungstechniken mit digitalen Detektoren
(ISO 17636-2:2013);
Englische Fassung EN ISO 17636-2:2013,
Englische Übersetzung von DIN EN ISO 17636-2:2013-05

Contrôle non destructif des assemblages soudés –
Contrôle par radiographie –
Partie 2: Techniques par rayons X ou gamma à l'aide de détecteurs numériques
(ISO 17636-2:2013);
Version anglaise EN ISO 17636-2:2013,
Traduction anglaise de DIN EN ISO 17636-2:2013-05

Document comprises 60 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN ISO 17636-2:2013) has been prepared by Technical Committee CEN/TC 121 "Welding" (Secretariat: DIN, Germany) in collaboration with Technical Committee ISO/TC 44 "Welding and allied processes".

The responsible German body involved in its preparation was the *Normenausschuss Materialprüfung* (Materials Testing Standards Committee), Working Committee NA 062-08-22 AA *Durchstrahlungsprüfung und Strahlenschutz*.

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

ISO 9712	DIN EN ISO 9712
ISO 16371-1	DIN EN 14784-1
ISO 17636-1	DIN EN ISO 17636-1
ISO 19232-1	DIN EN ISO 19232-1
ISO 19232-2	DIN EN ISO 19232-2
ISO 19232-4	DIN EN ISO 19232-4
ISO 19232-5	DIN EN ISO 19232-5

Amenments

This standard differs from DIN EN 1435:2002-09 and DIN EN 1435 Corrigendum 1:2004-05 as follows:

- a) normative references have been updated;
- b) the document has been divided into two parts, this part applying to radiographic testing with digital detectors;
- c) X-ray devices up to 1000 kV have been included;
- d) Annex C (normative) "Determination of basic spatial resolution" has been included;
- e) Annex D (normative) "Determination of minimum grey values for CR practice" has been included;
- f) Annex E (informative) "Grey values, general remarks" has been included;
- g) the standard has been editorially revised.
- h) ISO Standards have been adopted as European Standards.

Previous editions

DIN 1914: 1935-08
DIN 54111: 1954x-08
DIN 54111-1: 1973-11, 1977-03, 1988-05
DIN EN 1435: 1997-10, 2002-09
DIN EN 1435 Corrigendum 1: 2004-05

National Annex NA (informative)

Bibliography

DIN EN 14784-1, *Non-destructive testing — Industrial computed radiography with storage phosphor imaging plates — Part 1: Classification of systems*

DIN EN ISO 9712, *Non-destructive testing — Qualification and certification of NDT personnel*

DIN EN ISO 17636-1, *Non-destructive testing of welds — Radiographic testing — Part 1: X- and gamma-ray techniques with film*

DIN EN ISO 19232-1, *Non-destructive testing — Image quality of radiographs — Part 1: Image quality indicators (wire type) — Determination of image quality value*

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

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

DIN EN ISO 19232-5, *Non-destructive testing — Image quality of radiographs — Part 5: Image quality indicators (duplex wire type) — Determination of image unsharpness value*