



SLOVENSKI STANDARD
SIST EN ISO 10675-2:2018
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Nadomešča:
SIST EN ISO 10675-2:2013

Neporušitveno preskušanje zvarnih spojev - Stopnje sprejemljivosti pri radiografiji
- 2. del: Aluminij in njegove zlitine (ISO 10675-2:2017)

Non-destructive testing of welds - Acceptance levels for radiographic testing - Part 2:
Aluminium and its alloys (ISO 10675-2:2017)

Zerstörungsfreie Prüfung von Schweißverbindungen - Zulässigkeitsgrenzen für die
Durchstrahlungsprüfung - Teil 2: Aluminium und seine Legierungen (ISO 10675-2:2017)

Essais non destructifs des assemblages soudés - Niveaux d'acceptation pour
l'évaluation par radiographie - Partie 2: Aluminium et ses alliages (ISO 10675-2:2017)

Ta slovenski standard je istoveten z: EN ISO 10675-2:2017

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 10675-2

November 2017

ICS 25.160.40

Supersedes EN ISO 10675-2:2013

English Version

**Non-destructive testing of welds - Acceptance levels for
radiographic testing - Part 2: Aluminium and its alloys (ISO
10675-2:2017)**

Essais non destructifs des assemblages soudés -
Niveaux d'acceptation pour l'évaluation par
radiographie - Partie 2: Aluminium et ses alliages (ISO
10675-2:2017)

Zerstörungsfreie Prüfung von Schweißverbindungen -
Zulässigkeitsgrenzen für die Durchstrahlungsprüfung -
Teil 2: Aluminium und seine Legierungen (ISO 10675-
2:2017)

This European Standard was approved by CEN on 31 October 2017.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
European foreword.....	3

iTeh STANDARD PREVIEW
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[SIST EN ISO 10675-2:2018](https://standards.iteh.ai/catalog/standards/sist/67230ad4-fe31-4827-9f54-4051fe3bd232/sist-en-iso-10675-2-2018)
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European foreword

This document (EN ISO 10675-2:2017) has been prepared by Technical Committee ISO/TC 44 “Welding and allied processes” in collaboration with Technical Committee CEN/TC 121 “Welding and allied processes” the secretariat of which is held by DIN.

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 May 2018, and conflicting national standards shall be withdrawn at the latest by May 2018.

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.

This document supersedes EN ISO 10675-2:2013.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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The text of ISO 10675-2:2017 has been approved by CEN as EN ISO 10675-2:2017 without any modification.

[SIST EN ISO 10675-2:2018
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INTERNATIONAL
STANDARD

ISO
10675-2

Second edition
2017-09

**Non-destructive testing of welds —
Acceptance levels for radiographic
testing —**

**Part 2:
Aluminium and its alloys**

iTeh STANDARD PREVIEW
*Essais non destructifs des assemblages soudés — Niveaux
d'acceptation pour l'évaluation par radiographie —
Partie 2: Aluminium et ses alliages*
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Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Radiographic technique	1
5 General	2
6 Acceptance levels	2
Annex A (informative) Guide to the limitations of radiographic testing	5
Annex B (informative) Examples for determination of percentage (%) of imperfections	6
Annex C (informative) Sums of acceptable areas	8
Bibliography	10

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 10675-2:2018](https://standards.iteh.ai/catalog/standards/sist/67230ad4-fe31-4827-9f54-4051fe3bd232/sist-en-iso-10675-2-2018)

<https://standards.iteh.ai/catalog/standards/sist/67230ad4-fe31-4827-9f54-4051fe3bd232/sist-en-iso-10675-2-2018>

ISO 10675-2:2017(E)

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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. (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 5, *Testing and inspection of welds*.

This second edition cancels and replaces the first edition (ISO 10675-2:2010), of which it constitutes a minor revision and contains the following main changes:

- the normative references have been updated;
- Table 1 has been split into two separate tables.

Request for official interpretations of any aspect of this document should be directed to the Secretariat of ISO/TC 44/SC 5 via your national standards body. A complete listing of these bodies can be found at www.iso.org.

Non-destructive testing of welds — Acceptance levels for radiographic testing —

Part 2: Aluminium and its alloys

1 Scope

This document specifies acceptance levels for indications from imperfections in aluminium butt welds detected by radiographic testing. If agreed, the acceptance levels can be applied to other types of welds or materials.

The acceptance levels can be related to welding standards, application standards, specifications or codes. This document assumes that the radiographic testing has been carried out in accordance with ISO 17636-1 for RT-F (F = film) or ISO 17636-2 for RT-S (S = radioscopy) and RT-D (D = digital detectors).

When assessing whether a weld meets the requirements specified for a weld quality level, the sizes of imperfections permitted by standards are compared with the dimensions of indications revealed by a radiograph made of the weld.

2 Normative references (standards.iteh.ai)

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 6520-1, *Welding and allied processes — Classification of geometric imperfections in metallic materials — Part 1: Fusion welding*

ISO 10042, *Welding — Arc-welded joints in aluminium and its alloys — Quality levels for imperfections*

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

ISO 17636-2, *Non-destructive testing of welds — Radiographic testing — Part 2: X- and gamma-ray techniques with digital detectors*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Radiographic technique

Depending on the weld quality level, radiographic technique A or B in accordance with ISO 17636-1 shall be used for RT-F as shown in [Table 1](#) and radiographic technique A or B in accordance with ISO 17636-2 shall be used for RT-S or RT-D as shown in [Table 2](#).