



SLOVENSKI STANDARD SIST EN ISO 10675-1:2013

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Nadomešča:
SIST EN 12517-1:2006

**Neporušitveno preskušanje zvarnih spojev - Stopnje sprejemljivosti pri radiografiji
- 1. del: Jeklo, nikelj, titan in njihove zlitine (ISO 10675-1:2008)**

Non-destructive testing of welds - Acceptance levels for radiographic testing - Part 1:
Steel, nickel, titanium and their alloys (ISO 10675-1:2008)

Zerstörungsfreie Prüfung von Schweißverbindungen - Zulässigkeitsgrenzen für die
Durchstrahlungsprüfung - Teil 1: Stahl, Nickel, Titan und ihre Legierungen (ISO 10675-
1:2008)

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Essais non destructifs des assemblages soudés - Niveaux d'acceptation pour évaluation
par radiographie - Partie 1: Acier, nickel, titane et leurs alliages (ISO 10675-1:2008)

Ta slovenski standard je istoveten z: EN ISO 10675-1:2013

ICS:

25.160.40 Varjeni spoji in vari Welded joints

SIST EN ISO 10675-1:2013 en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 10675-1

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ICS 25.160.40

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English Version

**Non-destructive testing of welds - Acceptance levels for
radiographic testing - Part 1: Steel, nickel, titanium and their
alloys (ISO 10675-1:2008)**

Essais non destructifs des assemblages soudés - Niveaux
d'acceptation pour évaluation par radiographie - Partie 1:
Acier, nickel, titane et leurs alliages (ISO 10675-1:2008)

Zerstörungsfreie Prüfung von Schweißverbindungen -
Zulässigkeitsgrenzen für die Durchstrahlungsprüfung - Teil
1: Stahl, Nickel, Titan und ihre Legierungen (ISO 10675-
1:2008)

This European Standard was approved by CEN on 8 August 2013.

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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.

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Foreword

The text of ISO 10675-1:2008 has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 10675-1:2013 by Technical Committee CEN/TC 121 "Welding" 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 February 2014, and conflicting national standards shall be withdrawn at the latest by February 2014.

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

This document supersedes EN 12517-1:2006.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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INTERNATIONAL
STANDARD

ISO
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First edition
2008-03-01

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

**Part 1:
Steel, nickel, titanium and their alloys**

iTeh STANDARD PREVIEW
*Essais non destructifs des assemblages soudés — Niveaux
d'acceptation pour évaluation par radiographie —
(standards.iteh.ai)
Partie 1: Acier, nickel, titane et leurs alliages*

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ISO 10675-1:2008(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.

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 10675-1 was prepared by the European Committee for Standardization (as EN 12517-1:2006) and was adopted, under a special "fast-track procedure", by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 5, *Testing and inspection of welds*, in parallel with its approval by the ISO member bodies.

Requests for official interpretations of any aspect of this part of ISO 10675 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.

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

Part 1: Steel, nickel, titanium and their alloys

1 Scope

This part of ISO 10675 specifies acceptance levels for indications from imperfections in butt welds of steel, nickel, titanium and their alloys detected by radiographic testing. If agreed, the acceptance levels may be applied to other types of welds or materials.

The acceptance levels may be related to welding standards, application standards, specifications or codes. This part of ISO 10675 assumes that the radiographic testing has been carried out in accordance with ISO 17636.

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

[SIST EN ISO 10675-1:2013](https://standards.iteh.ai/catalog/standards/sist/689e1fe3-8721-414e-8607-c458382fb25a/sist-en-iso-10675-1-2013)

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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 5817, *Welding — Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) — Quality levels for imperfections*

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

ISO 17636, *Non-destructive testing of welds — Radiographic testing of fusion-welded joints*

3 Radiographic technique

Depending on the weld quality level, radiographic technique A or B in accordance with ISO 17636 is used as shown in Table 1.