



SLOVENSKI STANDARD SIST EN ISO 17663:2010

01-april-2010

Nadomešča:
SIST CR ISO 17663:2001

Varjenje - Kakovostne zahteve za toplotno obdelavo v povezavi z varjenjem in sorodnimi postopki (ISO 17663:2009)

Welding - Quality requirements for heat treatment in connection with welding and allied processes (ISO 17663:2009)

Schweißen - Qualitätsanforderungen zur Wärmebehandlung beim Schweißen und bei verwandten Prozessen (ISO 17663:2009)

Soudage - Exigences de qualité relatives au traitement thermique associé au soudage et aux techniques connexes (ISO 17663:2009)

Ta slovenski standard je istoveten z: EN ISO 17663:2009

ICS:

25.160.10 Varilni postopki in varjenje Welding processes

SIST EN ISO 17663:2010

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 17663

June 2009

ICS 25.160.01

Supersedes CR ISO 17663:2001

English Version

Welding - Quality requirements for heat treatment in connection with welding and allied processes (ISO 17663:2009)

Soudage - Exigences de qualité relatives au traitement
thermique associé au soudage et aux techniques connexes
(ISO 17663:2009)

Schweißen - Qualitätsanforderungen zur
Wärmebehandlung beim Schweißen und bei verwandten
Prozessen (ISO 17663:2009)

This European Standard was approved by CEN on 27 May 2009.

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 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 Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN ISO 17663:2009) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with 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 December 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

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 CR ISO 17663:2001.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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The text of ISO 17663:2009 has been approved by CEN as a EN ISO 17663:2009 without any modification.

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INTERNATIONAL STANDARD

ISO
17663

First edition
2009-06-01

Welding — Quality requirements for heat treatment in connection with welding and allied processes

*Soudage — Exigences de qualité relatives au traitement thermique
associé au soudage et aux techniques connexes*

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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 17663 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 10, *Unification of requirements in the field of metal welding*.

This first edition cancels and replaces ISO/TR 17663:2001, which has been technically revised.

Requests for official interpretations of any aspect of this International Standard should be directed to the Secretariat of ISO/TC 44/SC 10 via your national standards body. A listing of these bodies can be found at <http://www.iso.org>.

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Welding — Quality requirements for heat treatment in connection with welding and allied processes

1 Scope

This International Standard provides quality requirements for heat treatment in air or controlled atmospheres carried out in workshops and on site in connection with welding and forming. It applies mainly to ferritic steels, but can be used for other materials, as appropriate.

This International Standard provides guidance for manufacturers that perform heat treatment or produce heat-treated products or components. This International Standard can also be used as a basis for assessing the manufacturer in respect to its heat treatment capability.

The fulfilment of a requirement can be waived where justification can be provided that a specific requirement is not applicable to a specific process. This International Standard is intended to be a flexible framework to provide

- specific requirements for heat treatment by manufacturer in order to have a quality system in accordance with ISO 9001;
- specific requirements for heat treatment in specifications which require the manufacturer to have a quality system other than ISO 9001;
- specific guidance for a manufacturer developing a quality control system for heat treatment;
- specific guidance for post weld heat treatment for manufacturers adopting ISO 3834-2 or ISO 3834-3;
- detailed requirements for specifications, regulations or product standards that require control of heat treatment activities.

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 13916, *Welding — Guidance on the measurement of preheating temperature, interpass temperature and preheat maintenance temperature*

IEC 60584-2, *Thermocouples — Part 2: Tolerances*

EN 10052, *Vocabulary of heat treatment terms for ferrous products*