

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

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NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 17663:2009 sisaldab Euroopa standardi EN ISO 17663:2009 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 30.11.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 01.06.2009.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 17663:2009 consists of the English text of the European standard EN ISO 17663:2009.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 30.11.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 01.06.2009.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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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)

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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of an identical text or by endorsement, at the latest by December 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.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.

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Endorsement notice

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

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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*