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Quality requirements for welding - Resistance welding of metallic materials - Part 1: Comprehensive quality requirements (ISO 14554-1:2013)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Obsahuje: EN ISO 14554-1:2013, ISO 14554-1:2013

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English Version

Quality requirements for welding - Resistance welding of metallic materials - Part 1: Comprehensive quality requirements (ISO 14554-1:2013)

Exigences de qualité en soudage - Soudage par résistance des matériaux métalliques - Partie 1: Exigences de qualité complète (ISO 14554-1:2013)

Schweißtechnische Qualitätsanforderungen - Widerstandsschweißen metallischer Werkstoffe - Teil 1: Umfassende Qualitätsanforderungen (ISO 14554-1:2013)

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN ISO 14554-1:2013) 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of an identical text or by endorsement, at the latest by June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.

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Endorsement notice

The text of ISO 14554-1:2013 has been approved by CEN as EN ISO 14554-1:2013 without any modification.

Quality requirements for welding — Resistance welding of metallic materials —

Part 1: Comprehensive quality requirements

*Exigences de qualité en soudage — Soudage par résistance des
matériaux métalliques —*

Partie 1: Exigences de qualité complète





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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.

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. www.iso.org/directives

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: http://www.iso.org/iso/home/standards_development/resources-for-technical-work/foreword.htm

The committee responsible for this document is ISO/TC 44, *Welding and allied processes*, Subcommittee SC 6, *Resistance welding and allied mechanical joining*.

This second edition cancels and replaces the first edition (ISO 14551-1:2000), of which it constitutes a minor revision.

ISO 14554 consists of the following parts, under the general title *Quality requirements for welding — Resistance welding of metallic materials*:

- *Part 1: Comprehensive quality requirements*
- *Part 2: Elementary quality requirements*

Requests for official interpretations of any aspect of this part of ISO 14554 should be directed to the Secretariat of ISO/TC 44/SC 6 via your national standards body. A complete listing of these bodies can be found at www.iso.org.

Quality requirements for welding — Resistance welding of metallic materials —

Part 1: Comprehensive quality requirements

1 Scope

This part of ISO 14554 specifies requirements for the demonstration of the capability of a manufacturer or a sub-contractor to produce welded constructions, fulfilling specified quality requirements, in one or more of the following:

- a contract between involved parties;
- an application standard;
- a regulatory requirement.

The requirements contained within this part of ISO 14554 can be adopted in full or can be selectively deleted by the manufacturer if not applicable to the construction concerned. They provide a flexible framework for the control of welding by providing specific requirements for:

- Case 1 — resistance welding in contracts which require the manufacturer or sub-contractor to have a quality system in accordance with ISO 9001;^[4]
- Case 2 — resistance welding in contracts which require the manufacturer or sub-contractor to have a quality system other than ISO 9001;^[4]
- Case 3 — resistance welding as guidance to a manufacturer or sub-contractor developing a quality system;
- Case 4 — references in application standards which use resistance welding as part of their requirements or in a contract between relevant parties, although it is more appropriate for ISO 14554-2 to be used in such cases.

This part of ISO 14554:

- is independent of the type of welded construction to be manufactured;
- defines quality requirements for welding both in production plants and on site;
- provides guidance for describing the capability of a manufacturer to produce welded constructions to meet specified requirements;
- can also be used as a basis for assessing the manufacturer in respect to his welding capability.

For general guidelines for selection and use, see ISO 3834-1, while being aware that only comprehensive and elementary quality requirements are specified for resistance welding. [Annex A](#) gives a summary comparison of specific quality requirements for resistance welding in this part of ISO 14554 and ISO 14554-2.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3834-1, *Quality requirements for fusion welding of metallic materials — Part 1: Criteria for the selection of the appropriate level of quality requirements*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN