

Quality requirements for welding - Resistance welding of metallic materials - Part 2: Elementary quality requirements (ISO 14554-2:2013)

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NATIONAL FOREWORD

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Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

Quality requirements for welding - Resistance welding of metallic materials - Part 2: Elementary quality requirements (ISO 14554-2:2013)

Exigences de qualité en soudage - Soudage par résistance des matériaux métalliques - Partie 2: Exigences de qualité élémentaire (ISO 14554-2:2013)

Schweißtechnische Qualitätsanforderungen - Widerstandsschweißen metallischer Werkstoffe - Teil 2: Elementar-Qualitätsanforderungen (ISO 14554-2:2013)

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN ISO 14554-2:2013) 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of an identical text or by endorsement, at the latest by June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.

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 14554-2:2013 has been approved by CEN as EN ISO 14554-2:2013 without any modification.

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Quality requirements for welding — Resistance welding of metallic materials —

Part 2: Elementary 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 other than ISO 9001^[1] and where the documented welding control has a minor importance to the overall integrity of the final construction;
- Case 2 — resistance welding as guidance to a manufacturer or sub-contractor developing a quality system;
- Case 3 — references in application standards which use resistance welding as part of their requirements or in a contract between relevant parties.

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 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 14554-1.

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*