

STN	Zariadenia na odporové zvaranie. Izolačné kolíky na použitie v podložkách elektród (ISO 9312:2013).	STN EN ISO 9312 05 2660
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Resistance welding equipment - Insulated pins for use in electrode back-ups (ISO 9312:2013)

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/13

Obsahuje: EN ISO 9312:2013, ISO 9312:2013

Oznámením tejto normy sa ruší
STN EN ISO 9312 (05 2660) z júna 2003

EUROPEAN STANDARD

EN ISO 9312

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2013

ICS 25.160.30

Supersedes EN ISO 9312:1994

English Version

**Resistance welding equipment - Insulated pins for use in
electrode back-ups (ISO 9312:2013)**Équipement de soudage par résistance - Fiches isolées
utilisées dans les contre-électrodes (ISO 9312:2013)Widerstandsschweißeinrichtungen - Isolierende
Zylinderstifte für Unterkupfer (ISO 9312:2013)

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

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Foreword

This document (EN ISO 9312:2013) 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of an identical text or by endorsement, at the latest by January 2014, and conflicting national standards shall be withdrawn at the latest by January 2014.

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This document supersedes EN ISO 9312:1994.

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Endorsement notice

The text of ISO 9312:2013 has been approved by CEN as EN ISO 9312:2013 without any modification.

**Resistance welding equipment —
Insulated pins for use in electrode
back-ups**

*Équipement de soudage par résistance — Fiches isolées utilisées dans
les contre-électrodes*





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Published in Switzerland

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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.

ISO 9312 was prepared by Technical Committee 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 9312:1990), of which it constitutes a minor revision.

Resistance welding equipment — Insulated pins for use in electrode back-ups

1 Scope

This International Standard specifies the requirements for insulated pins used to pin parts in the secondary circuit of resistance welding equipment, or other live equipment, which need to be insulated from each other.

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 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

ISO 5827, *Spot welding — Electrode back-ups and clamps*

IEC 60893-3-4, *Insulating materials — Industrial rigid laminated sheets based on thermosetting resins for electrical purposes — Part 3-4: Specifications for individual materials — Requirements for rigid laminated sheets based on phenolic resins*

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