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SANS 9312:1990

Edition 1 and nat. amdt 1

ISO 9312:1990

Edition 1

Any reference to SABS ISO 9312 is deemed
to be a reference to this standard
(Government Notice No. 1373 of 8 November 2002)

SOUTH AFRICAN NATIONAL STANDARD

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

This national standard is the identical implementation of ISO 9312:1990 and is adopted with the permission of the International Organization for Standardization.

SANS 9312:1990

Edition 1 and nat. amdt 1

ISO 9312:1990

Edition 1

Table of changes

Change No.	Date	Scope
Nat. amdt 1	2006	Amended to change the designation from SABS to SANS, with no technical changes.

National foreword

This South African standard was approved by National Committee SABS TC 44, *Welding and allied processes*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This SANS edition is technically identical to the first SABS edition (SABS ISO 9312:1990).

**Reaffirmed and reprinted in November 2012.
This document will be reviewed every five years and
either be reaffirmed, amended, revised or withdrawn.**

INTERNATIONAL STANDARD

**ISO
9312**

First edition
1990-07-15

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

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



Reference number
ISO 9312 : 1990 (E)

ISO 9312 : 1990 (E)

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.

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.

International Standard ISO 9312 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*.

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International Organization for Standardization

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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 standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged

to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1302:1978, *Technical drawings — Method of indicating surface texture on drawings.*

ISO 1642:1987, *Plastics — Industrial laminated sheets based on thermosetting resins — Specification.*

ISO 2768-1:1989, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications.*

ISO 5827:1983, *Spot welding — Electrode back-ups and clamps.*