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**SANS 3452-4:1998**

Edition 1 and nat. amdt 1

**ISO 3452-4:1998**

Edition 1

Any reference to SABS ISO 3452-4 is deemed  
to be a reference to this standard  
(Government Notice No. 1373 of 8 November 2002)

## **SOUTH AFRICAN NATIONAL STANDARD**

### **Non-destructive testing — Penetrant testing**

#### **Part 4: Equipment**

This national standard is the identical implementation of ISO 3452-4:1998 and is adopted with the permission of the International Organization for Standardization.

**SANS 3452-4:1998**

Edition 1 and nat. amdt 1

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Edition 1

**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
Nat. amdt 1	2007	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 135, *Engineering materials – Non-destructive testing*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This standard was approved in February 2007.

This SANS edition is technically identical to the first SABS edition (SABS ISO 3452-4:2000).

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reaffirmed, amended, revised or withdrawn.**

# INTERNATIONAL STANDARD

**ISO**  
**3452-4**

First edition  
1998-12-15

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## **Non-destructive testing — Penetrant testing —**

### **Part 4: Equipment**

*Essais non destructifs — Examen par ressuage —*

*Partie 4: Équipement*



Reference number  
ISO 3452-4:1998(E)

## ISO 3452-4:1998(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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.

Attention is drawn to the possibility that some of the elements of this part of ISO 3452 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 3452-4 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee TC 135, *Non-destructive testing*, Subcommittee SC 2, *Surface methods*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Throughout the text of this standard, read "...this European Standard..." to mean "...this International Standard...".

This first edition together with ISO 3452-1, ISO 3452-2 and ISO 3452-3 cancels and replaces ISO 3452:1984, which has been technically revised.

ISO 3452 consists of the following parts, under the general title *Non-destructive testing — Penetrant testing*:

- *Part 1: General principles*
- *Part 2: Penetrant testing materials*
- *Part 3: Reference test blocks*
- *Part 4: Equipment*

Annex ZA provides a list of corresponding International and European Standards for which equivalents are not given in the text.

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## Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 General	1
4 Equipment for in situ inspection	1
5 Equipment for fixed installations	1
Annex ZA (normative) Normative references to international publications with their relevant European publications	5