



**SLOVENSKI STANDARD  
SIST EN ISO 3452-1:2021**

**01-september-2021**

**Nadomešča:  
SIST EN ISO 3452-1:2013**

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**Neporušitvene preiskave - Pregled s penetranti - 1. del: Splošna načela (ISO 3452-1:2021)**

Non-destructive testing - Penetrant testing - Part 1: General principles (ISO 3452-1:2021)

Zerstörungsfreie Prüfung - Eindringprüfung - Teil 1: Allgemeine Grundlagen (ISO 3452-1:2021)

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Essais non destructifs - Examen par ressuage - Partie 1: Principes généraux (ISO 3452-1:2021)

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**Ta slovenski standard je istoveten z: EN ISO 3452-1:2021**

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**ICS:**

19.100          Neporušitveno preskušanje          Non-destructive testing

**SIST EN ISO 3452-1:2021**

**en,fr,de**

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EUROPEAN STANDARD

EN ISO 3452-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN ISO 3452-1:2013

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## Non-destructive testing - Penetrant testing - Part 1: General principles (ISO 3452-1:2021)

Essais non destructifs - Examen par ressuage - Partie 1:  
Principes généraux (ISO 3452-1:2021)

Zerstörungsfreie Prüfung - Eindringprüfung - Teil 1:  
Allgemeine Grundlagen (ISO 3452-1:2021)

This European Standard was approved by CEN on 16 May 2021.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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## European foreword

This document (EN ISO 3452-1:2021) has been prepared by Technical Committee ISO/TC 135 "Non-destructive testing" in collaboration with Technical Committee CEN/TC 138 "Non-destructive testing" the secretariat of which is held by AFNOR.

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 December 2021, and conflicting national standards shall be withdrawn at the latest by December 2021.

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

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# INTERNATIONAL STANDARD

# ISO 3452-1

Third edition  
2021-05

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## Non-destructive testing — Penetrant testing —

### Part 1: General principles

*Essais non destructifs — Examen par ressuage —*

*Partie 1: Principes généraux*  
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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 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 2, *Surface methods*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, *Non-destructive testing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 3452-1:2013) which has been technically revised.

The main changes compared to the previous edition are as follows:

- clarification of understanding of product family;
- addition of the new procedure “no developer”;
- technical revision according to the state of the art.

A list of all parts in the ISO 3452 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

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