



SLOVENSKI STANDARD SIST EN ISO 13997:2025

01-februar-2025

Nadomešča:
SIST EN ISO 13997:2023

Varovalna obleka - Mehanske lastnosti - Ugotavljanje odpornosti proti urezu z ostrimi predmeti (ISO 13997:2024)

Protective clothing - Mechanical properties - Determination of resistance to cutting by sharp objects (ISO 13997:2024)

Schutzkleidung - Mechanische Eigenschaften - Bestimmung des Widerstandes gegen Schnitte mit scharfen Gegenständen (ISO 13997:2024)

Habillement de protection - Propriétés mécaniques - Détermination de la résistance à la coupure par des objets tranchants (ISO 13997:2024)

Ta slovenski standard je istoveten z: EN ISO 13997:2024

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ICS:

13.340.10 Varovalna obleka Protective clothing

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EUROPEAN STANDARD

EN ISO 13997

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English Version

Protective clothing - Mechanical properties -
Determination of resistance to cutting by sharp objects
(ISO 13997:2024)

Habillement de protection - Propriétés mécaniques -
Détermination de la résistance à la coupure par des
objets tranchants (ISO 13997:2024)

Schutzkleidung - Mechanische Eigenschaften -
Bestimmung des Widerstandes gegen Schnitte mit
scharfen Gegenständen (ISO 13997:2024)

This European Standard was approved by CEN on 19 October 2024.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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European foreword

This document (EN ISO 13997:2024) has been prepared by Technical Committee ISO/TC 94 "Personal safety -- Personal protective equipment" in collaboration with Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets" 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of an identical text or by endorsement, at the latest by April 2025, and conflicting national standards shall be withdrawn at the latest by April 2025.

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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Endorsement notice

The text of ISO 13997:2024 has been approved by CEN as EN ISO 13997:2024 without any modification.

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International Standard

ISO 13997

Protective clothing — Mechanical properties — Determination of resistance to cutting by sharp objects

*Habillement de protection — Propriétés mécaniques —
Détermination de la résistance à la coupure par des objets
tranchants*

**Third edition
2024-10**

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ISO 13997:2024(en)

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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 document 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).

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This document was prepared by Technical Committee ISO/TC 94, *Personal safety — Personal protective equipment*, Subcommittee SC 13, *Protective clothing*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 162, *Protective clothing including hand and arm protection and lifejackets*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 13997:2023), of which it constitutes a minor revision.

The main changes are as follows:

- [Figure 7 a\)](#) was replaced;
- Footnote 2 was moved to the [Figure 7](#) title;
- the Excel file that can be downloaded using the link in the note to [Table B.2](#) was replaced (there was a correction because in few specific cases Excel did not work as planned).

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.

ISO 13997:2024(en)**Introduction**

Although textiles, composites, leather, rubbers and reinforced materials may resist cutting by sharp edges in different ways, a test method for evaluating the resistance to cut of materials in protective clothing should be applicable to all materials. The test described in this document provides a method that allows calculations of the downwards (normal) force required to cause a blade drawn across the sample for a fixed distance to cut through the specimen.

The performance of protective clothing materials may be classified using the numerical values obtained from this test.

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