



SLOVENSKI STANDARD SIST EN ISO 15537:2022

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Nadomešča:
SIST EN ISO 15537:2005

Načela za izbiro in uporabo preskusnih oseb za preskušanje antropometričnih vidikov industrijskih proizvodov in načrtov (ISO 15537:2022)

Principles for selecting and using test persons for testing anthropometric aspects of industrial products and designs (ISO 15537:2022)

Grundsätze für die Auswahl und den Einsatz von Prüfpersonen zur Prüfung anthropometrischer Aspekte von Industrieerzeugnissen und deren Gestaltung (ISO 15537:2022)

Principes de choix et d'utilisation de sujets d'essai pour l'essai des aspects anthropométriques des produits industriels et leur conception (ISO 15537:2022)

Ta slovenski standard je istoveten z: **EN ISO 15537:2022**

ICS:

13.110	Varnost strojev	Safety of machinery
13.180	Ergonomija	Ergonomics

SIST EN ISO 15537:2022 **en,fr,de**

EUROPEAN STANDARD

EN ISO 15537

NORME EUROPÉENNE

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June 2022

ICS 13.110; 13.180

Supersedes EN ISO 15537:2004

English Version

Principles for selecting and using test persons for testing anthropometric aspects of industrial products and designs (ISO 15537:2022)

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Grundsätze für die Auswahl und den Einsatz von Prüfpersonen zur Prüfung anthropometrischer Aspekte von Industrieerzeugnissen und deren Gestaltung (ISO 15537:2022)

This European Standard was approved by CEN on 9 May 2022.

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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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European foreword

This document (EN ISO 15537:2022) has been prepared by Technical Committee ISO/TC 159 "Ergonomics" in collaboration with Technical Committee CEN/TC 122 "Ergonomics" 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of an identical text or by endorsement, at the latest by December 2022, and conflicting national standards shall be withdrawn at the latest by December 2022.

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

SIST EN ISO 15537:2022

The text of ISO 15537:2022 has been approved by CEN as EN ISO 15537:2022 without any modification.

INTERNATIONAL
STANDARD

ISO
15537

Second edition
2022-05

**Principles for selecting and using test
persons for testing anthropometric
aspects of industrial products and
designs**

*Principes de choix et d'utilisation de sujets d'essai pour l'essai des
aspects anthropométriques des produits industriels et leur conception*

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ISO 15537:2022(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.

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).

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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.

This document was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 3, *Anthropometry and biomechanics*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 122, *Ergonomics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 15537:2004), which has been technically revised.

The main changes are as follows:

- the context has been broadened to include testing by computer-aided design (CAD);
- European values in tables have been replaced by global values.

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.

Introduction

An investigation into how far ergonomic requirements are taken into consideration with regard to industrial products and designs is often performed using test equipment that permits only one or a few parameters (e.g. body height) to be registered. With regard to the concurrent multifunctional testing and/or determination of product characteristics for which no technical testing procedures have been established, one or more people are often designated as test persons and are observed and/or questioned during or after product testing.

The reliability of any findings established in this way is very much dependent on the extent to which the test persons represent the intended user group in different aspects. How well a product or design is adjusted to the anthropometrics of the intended user population is dealt with in this document.

According to ISO 14738, workstations at machinery has to be designed with proper regard to the body dimensions of the intended user population. One means to verify that a product or a design fulfils this requirement is to set up a panel of test persons and let them test the product in different ways.

An example of the use of this document is given in [Annex A](#).

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