

Assistive products for walking, manipulated by one arm - Requirements and test methods - Part4: Walking sticks with three or more legs (ISO 11334-4:2024)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN ISO 11334-4:2024 sisaldab Euroopa standardi EN ISO 11334-4:2024 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 23.10.2024.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN ISO 11334-4:2024 consists of the English text of the European standard EN ISO 11334-4:2024.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 23.10.2024.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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ICS 11.180.10

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EUROPEAN STANDARD

EN ISO 11334-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN ISO 11334-4:1999

English Version

Assistive products for walking, manipulated by one arm -
Requirements and test methods - Part 4: Walking sticks
with three or more legs (ISO 11334-4:2024)

Produit d'assistance à la marche manipulés avec un
bras - Exigences et méthodes d'essai - Partie 4: Cannes
à trois pieds ou plus (ISO 11334-4:2024)

Technische Hilfen zum Gehen für einarmige
Handhabung - Anforderungen und Prüfverfahren - Teil
4: Gehstöcke mit drei oder mehr Beinen (ISO 11334-
4:2024)

This European Standard was approved by CEN on 4 October 2024.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

European foreword

This document (EN ISO 11334-4:2024) has been prepared by Technical Committee ISO/TC 173 "Assistive products" in collaboration with Technical Committee CEN/TC 293 "Assistive products and accessibility" the secretariat of which is held by SIS.

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.

This document supersedes EN ISO 11334-4:1999.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 11334-4:2024 has been approved by CEN as EN ISO 11334-4:2024 without any modification.

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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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 173, *Assistive products*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 293, *Assistive products and accessibility*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 11334-4:1999), which has been technically revised.

The main changes are as follows:

- the minimum requirements for stability have been removed and are replaced by requirements on disclosure of the stability performance level for the specified direction;
- the static strength test for the legs and separation part was added;
- [Clause 6](#) on general requirements for assistive products for walking was added.

A list of all parts in the ISO 11334 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.

Introduction

A walking stick with three or more legs can be used when a person needs assistance for walking. It provides more stability when walking and standing compared with other types of sticks and canes manipulated by one arm and can thus reduce the risk of falling.

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Assistive products for walking, manipulated by one arm — Requirements and test methods —

Part 4: Walking sticks with three or more legs

1 Scope

This document specifies requirements and test methods of walking sticks with three or more legs used as assistive products for walking, manipulated by one arm, without accessories, unless specified in the particular test procedure. This document also gives requirements related to safety, ergonomics, performance and information supplied by the manufacturer, including marking and labelling.

The requirements and tests are based on every-day use of walking sticks with three or more legs as assistive products for walking for a maximum user mass as specified by the manufacturer. This document is for walking sticks with three or more legs specified for a user mass of no less than 35 kg.

This document is not applicable to walking sticks with three or more legs with underarm or forearm support or with moving parts such as a universal joint.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 7000, *Graphical symbols for use on equipment — Registered symbols*

ISO 10993-1, *Biological evaluation of medical devices — Part 1: Evaluation and testing within a risk management process*

ISO 10993-5, *Biological evaluation of medical devices — Part 5: Tests for in vitro cytotoxicity*

ISO 14971, *Medical devices — Application of risk management to medical devices*

ISO 15223-1, *Medical devices — Symbols to be used with information to be supplied by the manufacturer — Part 1: General requirements*

ISO 20417, *Medical devices — Information to be supplied by the manufacturer*

ISO 24415-1, *Tips for assistive products for walking — Requirements and test methods — Part 1: Friction of tips*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>