

Footwear sizing - Inshoe measurement - Part 1: Shoe length (ISO 19410-1:2022)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 19410-1:2022 sisaldab Euroopa standardi EN ISO 19410-1:2022 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 19410-1:2022 consists of the English text of the European standard EN ISO 19410-1:2022.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
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English Version

Footwear sizing - Inshoe measurement - Part 1: Shoe length (ISO 19410-1:2022)

Pointures des chaussures - Mesurage interne - Partie 1:
Longueur de la chaussure (ISO 19410-1:2022)

Schuhgrößenbestimmung - Messung des Innenschuhs -
Teil 1: Schuhlänge (ISO 19410-1:2022)

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European foreword

This document (EN ISO 19410-1:2022) has been prepared by Technical Committee ISO/TC 137 "Footwear sizing designations and marking systems" in collaboration with Technical Committee CEN/TC 309 "Footwear" the secretariat of which is held by UNE.

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of an identical text or by endorsement, at the latest by May 2023, and conflicting national standards shall be withdrawn at the latest by May 2023.

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 19410-1:2022 has been approved by CEN as EN ISO 19410-1:2022 without any modification.

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Foreword

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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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This document was prepared by Technical Committee ISO/TC 137, *Footwear sizing designations and marking systems*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 309, *Footwear*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Footwear sizing — In-shoe measurement —

Part 1: Shoe length

1 Scope

This document specifies a method for measuring the effective shoe length to accommodate the foot.

This document is not applicable to heel and toe open shoes (example: sandals).

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/TS 19407:2015, *Footwear — Sizing — Conversion of sizing systems*

ISO/TS 19408, *Footwear — Sizing — Vocabulary and terminology*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/TS 19407 and ISO/TS 19408 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/>

4 Principle

A toe sensor of specified dimensions is inserted into the toe of the footwear and a second sensor located against the inside of the maximum heel swell of the back curve. The distance between the two sensors measured along the insole surface, or close to it, is taken as the effective length of the footwear. The effective length value can be compared with ISO/TS 19407 to determine the nominal shoe size.

5 Apparatus

The usual laboratory apparatus and, in particular, the following shall be used.

5.1 Length measurement, comprising a toe sensor, a heel sensor and a means of measuring the distance between them along the insole surface, as illustrated in [Figure 1 a](#)). Depending on the size and design of the shoes, the appropriate device can be used.