Footwear - Test methods for uppers, lining and insocks - Seam strength (ISO 17697:2016)



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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ICS 61.060

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English Version

Footwear - Test methods for uppers, lining and insocks - Seam strength (ISO 17697:2016)

Chaussures - Méthodes d'essai relatives aux tiges, doublures et premières de propreté - Résistance des pigûres (ISO 17697:2016) Schuhe - Prüfverfahren für Obermaterialien, Futter und Decksohlen - Nahtfestigkeit (ISO 17697:2016)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

This document (EN ISO 17697:2016) has been prepared by Technical Committee CEN/TC 309 "Footwear" the secretariat of which is held by AENOR, in collaboration with Technical Committee ISO/TC 216 "Footwear".

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of an identical text or by endorsement, at the latest by November 2016, and conflicting national standards shall be withdrawn at the latest by November 2016.

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Endorsement notice

The text of ISO 17697:2016 has been approved by CEN as EN ISO 17697:2016 without any modification.

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Foreword

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ISO 17697 was prepared by the European Committee Standardization (CEN) Technical Committee CEN/TC 309, *Footwear*, in collaboration with ISO Technical Committee TC 216, *Footwear*, in accordance with the agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 17697:2003), which has been technically revised.

Footwear — Test methods for uppers, lining and insocks — Seam strength

1 Scope

This International Standard specifies two test methods for determining the seam strength of uppers, lining or insocks, irrespective of the material, in order to assess the suitability for the end use.

These methods are as follows.

- Method A: Needle perforations. For determining the force required to pull a row of needles through an upper material, in a direction perpendicular to the row.
- Method B: Stitched seams. For determining the breaking strength of stitched seams in shoe upper and lining materials. This method is applicable to seams cut from shoes or made up to simulate footwear constructions.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 7500-1, Metallic materials — Verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Verification and calibration of the force-measuring system

ISO 17709, Footwear — Sampling location, preparation and duration of conditioning of samples and test pieces

ISO 18454, Footwear — Standard atmospheres for conditioning and testing of footwear and components for footwear

3 Terms and definitions

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

3.1

seam strength

breaking strength of a stitched seam as determined under specified conditions using a tensile testing machine

3.2

upper

materials forming the outer face of the footwear which is attached to the sole assembly and covers the upper dorsal surface of the foot

Note 1 to entry: In the case of boots, this also includes the outer face of the material covering the leg. Only the materials that are visible are included, no account should be made of underlying materials.