



**SLOVENSKI STANDARD**  
**SIST EN ISO 17697:2016**

**01-julij-2016**

**Nadomešča:**  
**SIST EN 13572:2004**

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**Obutev - Preskusne metode za zgornje dele, podloge in vložke - Trdnost šiva (ISO 17697:2016)**

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

Schuhe - Prüfverfahren für Obermaterialien, Futter und Decksohlen - Nahtfestigkeit (ISO 17697:2016)

Chaussures - Méthodes d'essai relatives aux tiges, doublures et premières de propreté - Résistance des piqûres (ISO 17697:2016)

**Ta slovenski standard je istoveten z: EN ISO 17697:2016**

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**ICS:**

61.060      Obuvala      Footwear

**SIST EN ISO 17697:2016**      **en,fr,de**

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EUROPEAN STANDARD

**EN ISO 17697**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2016

ICS 61.060

Supersedes EN 13572:2001

English Version

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

Chaussures - Méthodes d'essai relatives aux tiges,  
doublures et premières de propreté - Résistance des  
piqûres (ISO 17697:2016)

Schuhe - Prüfverfahren für Obermaterialien, Futter und  
Decksohlen - Nahtfestigkeit (ISO 17697:2016)

This European Standard was approved by CEN on 15 April 2016.

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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 COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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of an identical text or by endorsement, at the latest by November 2016, and conflicting national standards shall be withdrawn at the latest by November 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13572:2001.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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### Endorsement notice

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INTERNATIONAL  
STANDARD

ISO  
17697

Second edition  
2016-05-01

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**Footwear — Test methods for uppers,  
lining and insoles — Seam strength**

*Chaussures — Méthodes d'essai relatives aux tiges, doublures et  
premières de propreté — Résistance des piqûres*

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## ISO 17697:2016(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](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

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 insoles — Seam strength

## 1 Scope

This International Standard specifies two test methods for determining the seam strength of uppers, lining or insoles, 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.