

Footwear - Test methods for uppers, linings and insoles
- Tear strength (ISO 17696:2004)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 17696:2018 sisaldab Euroopa standardi EN ISO 17696:2018 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 17696:2018 consists of the English text of the European standard EN ISO 17696:2018.
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.
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Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English Version

**Footwear - Test methods for uppers, linings and insoles -
Tear strength (ISO 17696:2004)**

Chaussures - Méthodes d'essai des tiges, des doublures
et des premières de propreté - Résistance à la
déchirure (ISO 17696:2004)

Schuhe - Prüfverfahren für Obermaterialien, Futter und
Decksohlen - Reißfestigkeit (ISO 17696:2004)

This European Standard was approved by CEN on 20 August 2018.

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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

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European foreword

The text of ISO 17696:2004 has been prepared by Technical Committee ISO/TC 216 "Footwear" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 17696:2018 by 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of an identical text or by endorsement, at the latest by April 2019, and conflicting national standards shall be withdrawn at the latest by April 2019.

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 13571:2001.

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Endorsement notice

The text of ISO 17696:2004 has been approved by CEN as EN ISO 17696:2018 without any modification.

1 Scope

This European Standard specifies a test method for assessing the tear strength of upper, linings and insoles or complete upper assembly, irrespective of material, in order to assess the suitability for the end use.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 12222, *Footwear - Standard atmospheres for conditioning and testing of footwear and components for footwear*.

EN 13400, *Footwear - Sampling location, preparation and duration of conditioning of samples and test pieces*.

EN ISO 7500-1, *Metallic materials - Verification of static uniaxial testing machines - Part 1: Tension/compression testing machines (ISO 7500-1:1999)*.

3 Terms and definitions

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

3.1

tear strength

median force required to propagate a cut in a specified test specimen

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. 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 taken of underlying materials

3.3

complete upper assembly

finished upper, fully seamed, joined or laminated together as appropriate, comprising the centre material and any lining(s) together with all components such as interlinings, adhesives, membranes, foams or reinforcements, but excluding toe puffs and stiffeners

NOTE The complete upper assembly can be flat, 2- dimensional or comprise lasted upper in the final footwear.

4 Apparatus and material

The following apparatus and material shall be used:

4.1 Tensile testing machine with a jaw separation rate of 100 mm/min \pm 10 mm/min, a force range appropriate to the specimen under test (range of 0 N to 500 N is usually suitable for specimens of footwear upper materials).

4.2 Means of continuously recording the force to an accuracy greater than 2 % as specified by class 2 in EN ISO 7500-1.