

Kuulmiskaitsevahendid. Katsetamine. Osa 1: Füüsikalise katse meetodid

Hearing protectors - Testing - Part 1: Physical test methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13819-1:2003 sisaldab Euroopa standardi EN 13819-1:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.02.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13819-1:2003 consists of the English text of the European standard EN 13819-1:2002.</p> <p>This document is endorsed on 18.02.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard EN specifies physical test methods for hearing protectors. The purpose of these tests is to enable assessment of the performance of the hearing protector as specified in the appropriate product standard</p>	<p>Scope:</p> <p>This European Standard EN specifies physical test methods for hearing protectors. The purpose of these tests is to enable assessment of the performance of the hearing protector as specified in the appropriate product standard</p>
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ICS 13.340.20

Võtmesõnad: ear protect, ear-muff type wearing protectors, hearing protectors, inspection, occupational safety, physical testing, properties, protective clothing, protective equipment, safety requirements, specification (approval), specifications, testing, workplace safety

ICS 13.340.20

English version

Hearing protectors - Testing - Part 1: Physical test methods

Protecteurs individuels contre le bruit - Essais - Partie 1:
Méthodes d'essai physique

Gehörschützer - Prüfung - Teil 1: Physikalische
Prüfverfahren

This European Standard was approved by CEN on 9 September 2002.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 13819-1:2002) has been prepared by Technical Committee CEN/TC 159, "Hearing protectors", 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 June 2003, and conflicting national standards shall be withdrawn at the latest by June 2003.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative annex ZA, which is an integral part of this standard.

In this European Standard the annex A is informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This standard for "Hearing Protectors - Testing : Part 1 - Physical test methods", specifies procedures for the testing of personal hearing protection devices in relation to Directive 89/686/EEC - Personal Protective Equipment.

EN 352-1 deals with requirements for ear-muffs, EN 352-2 with ear-plugs, EN 352-3 with ear-muffs attached to industrial safety helmets. EN 13819 deals with testing plans common to all types of hearing protectors and consists of two Parts:

Part 1: Physical test methods

Part 2: Acoustic test methods.

Additional safety requirements and the associated test procedures for level-dependent ear-muffs are contained in EN 352-4, for ear-muffs with active noise reduction in EN 352-5, for ear-muffs with audio communications in EN 352-6 and for level-dependent ear-plugs in EN 352-7.

An associated standard EN 458, covers selection, use, care and maintenance of hearing protectors.

This standard is intended as a supplement to the specific product standards for hearing protectors.

The performance requirements are given in the hearing protector product standard.

If deviations from the procedures specified in this standard are necessary, these deviations are specified in the hearing protection standard.

1 Scope

This European Standard EN 13819-1 specifies physical test methods for hearing protectors. The purpose of these tests is to enable assessment of the performance of the hearing protector as specified in the appropriate product standard.

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 352-1:2002, *Hearing protectors - General requirements - Part 1: Ear-muffs*

EN 352-2: 2002, *Hearing protectors - General requirements - Part 2: Ear-plugs*

EN 352-3:2002, *Hearing protectors - General requirements - Part 3: Ear-muffs attached to an industrial safety helmet*

EN 960:1994, *Headforms for use in the testing of protective helmets*

EN 13819-2:2002, *Hearing protectors - Testing - Part 2: Acoustic test methods*

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply, in addition to those given in EN 352 parts 1, 2 and 3..

3.1

headband ear-muffs

ear-muffs satisfying the requirements of EN 352-1.

3.2

helmet mounted ear-muffs

ear-muffs fitted to a helmet such that the combination satisfies the requirements of EN 352-3.

3.3

test height ¹⁾

vertical distance between the axis through the centres of the mounting holes of the pinna simulators in the mounting fixture or test headform shown in Figures 3 or 4 respectively, and the top of the headband support pad or headform.

¹⁾ The dimensions given in Tables 1, 2, 3, 4, 5, 6 and 7 correspond with the definitions given in 3.3, 3.4 and 3.5 (as appropriate)