

**Kuulmiskaitsevahendid. Soovitused  
valimiseks, kasutamiseks,  
korrashoiuks ja hoolduseks. Juhend**

Hearing protectors - Recommendations for selection,  
use, care and maintenance - Guidance document

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 458:2005 sisaldab Euroopa standardi EN 458:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 25.01.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 458:2005 consists of the English text of the European standard EN 458:2004.</p> <p>This document is endorsed on 25.01.2005 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><b>Käsitlusala:</b> This Part of EN 820 specifies the principles of thermal shock testing, and provides a general method for conducting thermal shock tests by quenching into water for both test pieces and components by quenching into water.</p>	<p><b>Scope:</b> This Part of EN 820 specifies the principles of thermal shock testing, and provides a general method for conducting thermal shock tests by quenching into water for both test pieces and components by quenching into water.</p>
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**Võtmesõnad:**

English version

## Hearing protectors - Recommendations for selection, use, care and maintenance - Guidance document

Protecteurs individuels contre le bruit - Recommandations  
relatives à la sélection, à l'utilisation, aux précautions  
d'emploi et à l'entretien - Document guide

Gehörschützer - Empfehlungen für Auswahl, Einsatz,  
Pflege und Instandhaltung - Leitfaden

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## Foreword

This document (EN 458:2004) has been prepared by Technical Committee CEN/TC 159 "Hearing Protection", the secretariat of which is held by SIS.

This document supersedes EN 458:1993.

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of an identical text or by endorsement, at the latest by May 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

This European Standard has been prepared under a mandate given to CEN and the European Free Trade Association by the European Commission to support Essential Requirements of EU Directive 89/686/EEC.

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

According to the CEN/CENELEC Internal Regulations, the national implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## Introduction

Hearing protection devices are items of personal protective equipment (PPE) which, as a result of their attenuating properties, reduce the harmful effects of noise on hearing in order to prevent hearing damage. This document has been prepared to give guidance to all persons who have to supply, purchase or wear hearing protectors. This document is intended to provide guidance on the correct selection, use, care and maintenance of hearing protectors.

National bodies may produce their own interpretation of this document for additional national regulations, custom and practice.

In order that the protection offered by hearing protectors be effectively realised, hearing protectors should be worn at all times when the user is in a potentially hazardous noise environment. In the selection of hearing protectors, therefore, attention is drawn to the importance of considering factors which may influence comfort and acceptance.

In hearing conservation programmes, noise hazard areas are identified and the personal noise exposure assessed. Priority should be given to reducing noise at source before a suitable hearing protector is considered, as shown in Figure 1.

## 1 Scope

This document gives recommendations for the selection, use, care and maintenance of hearing protectors.

## 2 Normative references

The following referenced documents are indispensable for the application 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.

EN 352-1, *Hearing protectors — General requirements — Part 1: Ear-muffs.*

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

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

EN ISO 4869-2:1995, *Acoustics — Hearing protectors — Part 2: Estimation of effective A-weighted sound pressure levels when hearing protectors are worn (ISO 4869-2:1994).*

EN ISO 9921, *Ergonomics — Assessment of speech communication (ISO 9921:2003)*