

SLOVENSKI STANDARD
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Varovala sluha - Varnostne zahteve in preskušanje - 4. del: Naušniki, prilagodljivi ravni hrupa

Hearing protectors - Safety requirements and testing - Part 4: Level-dependent ear-muffs

Gehörschützer - Sicherheitstechnische Anforderungen und Prüfungen - Teil 4:
Pegelabhängige Kapselgehörschützer

Protecteurs individuels contre le bruit - Exigences de sécurité et essais - Partie 4 : Serre-tête à atténuation dépendante du niveau

Ta slovenski standard je istoveten z: prEN 352-4

SIST EN 352-4:2021

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ICS:

13.340.20 Varovalna oprema za glavo Head protective equipment

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English Version

Hearing protectors - Safety requirements and testing - Part 4: Level-dependent ear-muffs

Protecteurs individuels contre le bruit - Exigences de
sécurité et essais - Partie 4 : Serre-tête à atténuation
dépendante du niveau

Gehörschützer - Sicherheitstechnische Anforderungen
und Prüfungen - Teil 4: Pegelabhängige
Kapselgehörschützer

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 159.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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European foreword

This document (prEN 352-4:2017) has been prepared by Technical Committee CEN/TC 159 “Hearing protectors”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 352-4:2001 and EN 352-4:2001/A1:2005.

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 Regulation(s).

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

In comparison with the previous edition, the following technical modifications have been made:

Clause/Paragraph/Table/Figure	Change
4.1.2 and 4.1.3	new requirements on criterion levels added
5.1.1 to 5.1.3 Testing, Annex B	removed, reference to prEN 13819-3 x.x added
NOTE The technical changes referred to include the significant technical changes from the EN revised but is not an exhaustive list of all modifications from the previous edition.	

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Introduction

Level-dependent earmuffs are designed to provide restoration of external sounds, while providing attenuation of sounds at high levels. They may be selected for use in intermittent or impulsive noise environments and where external warning sounds are required to be heard. This Standard is concerned with those earmuffs having an electronic sound restoration circuit.

The requirements of the standard are concerned primarily with the level-dependent performance of the earmuffs.

EN 352-4 is part of a family of standards describing product requirements:

- EN 352-1, *Hearing protectors — General requirements — Part 1: Earmuffs*
- EN 352-2, *Hearing protectors — General requirements — Part 2: Earplugs*
- EN 352-3, *Hearing protectors — General requirements — Part 3: Earmuffs attached to head protection and/or face protection devices*
- EN 352-4, *Hearing protectors — Safety requirements and testing — Part 4: Level-dependent earmuffs*
- EN 352-5, *Hearing protectors — Safety requirements and testing — Part 5: Active noise reduction earmuffs*
- EN 352-6, *Hearing protectors — Safety requirements and testing — Part 6: Earmuffs with safety-related audio input*
- EN 352-7, *Hearing protectors — Safety requirements and testing — Part 7: Level-dependent earplugs*
- EN 352-8, *Hearing protectors — Safety requirements and testing — Part 8: Entertainment audio earmuffs*
- prEN 352-9, *Hearing protectors — Safety requirements and testing — Part 9: Earplugs with safety-related audio input*
- pr EN 352-10, *Hearing protectors — Safety requirements and testing — Part 10: Earplugs with entertainment audio input*

Test methods for these requirements are described in the following standards:

- EN 13819-1, *Hearing protectors — Testing — Part 1: Physical test methods*
- EN 13819-2, *Hearing protectors — Testing — Part 2: Acoustic test methods*
- prEN 13819-3, *Hearing protectors — Testing — Part 3: Supplementary acoustic test methods*

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

The criterion levels within this standard are determined to limit the sound pressure level effective to the ear to 85 dB(A).