



SLOVENSKI STANDARD
oSIST prEN 352-8:2017
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Varovala sluha - Varnostne zahteve in preskušanje - 8. del: Naušniki za razvedrilni zvočni signal

Hearing protectors - Safety requirements and testing - Part 8: Entertainment audio ear-muffs

Gehörschützer - Sicherheitstechnische Anforderungen und Prüfungen - Teil 8:
Audiokapselgehörschützer für Unterhaltungszwecke

Protecteurs individuels contre le bruit - Exigences de sécurité et essais - Partie 8 : Serre-tête audio de divertissement

Ta slovenski standard je istoveten z: prEN 352-8

<https://standards.iteh.ai/catalog/standards/sist/a10d4862-caad-4870-a2ea-2a8bae711c91/sist-en-352-8-2021>

ICS:

13.340.20 Varovalna oprema za glavo Head protective equipment

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English Version

Hearing protectors - Safety requirements and testing - Part 8: Entertainment audio ear-muffs

Protecteurs individuels contre le bruit - Exigences de
sécurité et essais - Partie 8 : Serre-tête audio de
divertissement

Gehörschützer - Sicherheitstechnische Anforderungen
und Prüfungen - Teil 8: Audiokapselgehörschützer für
Unterhaltungszwecke

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
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European foreword

This document (prEN 352-8:2017) 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 352-8:2008.

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 |
|--|---|
| 4.2.1 | Products with Bluetooth added |
| 4.2.1.3 | Products with electrical audio input: new requirements |
| Clause 5 | removed, reference to prEN 13819-3:2016, Clause 7 added |
| Annex ZA | Topic 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

Entertainment audio earmuffs are designed to provide not only sound attenuation to ambient sound but also to provide entertainment audio via built-in loudspeakers. The entertainment audio signal can be transmitted by radio (broadcast or local plant programmes) or by wire or other communication like Bluetooth. The audio signal transmission is for entertainment and not for safety or work-related purposes. Thus the sound pressure level effective to the ear which is generated by the entertainment audio equipment of the ear-muff has to be limited. This limitation is to be tested and reported at full volume setting. The sound pressure level limit for the reproduced sound of the audio entertainment is set to 82 dB(A).

The requirements of the standard are concerned primarily with the entertainment audio performance of the ear-muffs.

EN 352-8 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*
- prEN 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.