

STN	Chrániče sluchu Bezpečnostné požiadavky Časť 9: Zátkové chrániče sluchu s bezpečnostným audio vstupom	STN EN 352-9+A1 83 2135
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Hearing protectors - Safety requirements - Part 9: Earplugs with safety-related audio input

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/24

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EN 352-9:2020+A1

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English Version

Hearing protectors - Safety requirements - Part 9: Earplugs with safety-related audio input

Protecteurs individuels contre le bruit - Exigences de
sécurité et essais - Partie 9: Bouchons d'oreilles avec
entrée audio-électrique

Gehörschützer - Sicherheitstechnische Anforderungen
- Teil 9: Gehörschutzstöpsel mit sicherheitsrelevantem
Audioinput

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EN 352-9:2020+A1:2024 (E)

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European foreword

This document (EN 352-9:2020+A1:2024) has been prepared by Technical Committee CEN/TC 159 “Hearing protectors”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by October 2024 and conflicting national standards shall be withdrawn at the latest by April 2027.

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 includes Amendment 1 approved by CEN on 27 February 2024.

This document supersedes A1 EN 352-9:2020 A1.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

This document has been prepared under a standardization request 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.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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EN 352-9:2020+A1:2024 (E)

Introduction

The requirements of this standard are concerned with the safety-related audio input performance of the earplugs. Sound output levels and criterion input signals are reported in the user information.

EN 352-9 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 — Part 4: Level-dependent earmuffs*
- EN 352-5, *Hearing protectors — Safety requirements — Part 5: Active noise reduction earmuffs*
- EN 352-6, *Hearing protectors — Safety requirements — Part 6: Earmuffs with safety-related audio input*
- EN 352-7, *Hearing protectors — Safety requirements — Part 7: Level-dependent earplugs*
- EN 352-8, *Hearing protectors — Safety requirements — Part 8: Entertainment audio earmuffs*
- EN 352-9, *Hearing protectors — Safety requirements — Part 9: Earplugs with safety-related audio input*
- EN 352-10, *Hearing protectors — Safety requirements — Part 10: Entertainment audio earplugs*

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*
- EN 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.

1 Scope

This document is applicable to earplugs supplemented by a safety-related audio input. The audio signal can be transmitted by electrical input or other communication like Bluetooth¹. It specifies requirements on construction, design, performance, marking and user information related to the inclusion of the safety-related audio input.

Earplugs with safety-related audio input are designed to provide speech information and warning signals, while providing attenuation of external sound. They may be selected for use in a number of different environments, for example in air traffic communication, in the police forces, in the broadcasting and entertainment industries.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 352-2:2020, *Hearing protectors - General requirements - Part 2: Earplugs*

A1 EN 13819-3:2019+A1:2024, *Hearing protectors — Testing — Part 3: Supplementary acoustic test methods* **A1**

koniec náhľadu – text ďalej pokračuje v platenej verzii STN