

Irish Standard I.S. EN 352-6:2020

Hearing protectors - Safety requirements - Part 6: Earmuffs with safety-related audio input

© CEN 2020 No copying without NSAI permission except as permitted by copyright law.

I.S. EN 352-6:2020

2020-12-14

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R.~xxx: Standard~Recommendation-recommendation~based~on~the~consensus~of~an~expert~panel~and~subject~to~public~consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on: Published:

EN 352-6:2020 2020-11-25

This document was published ICS number:

under the authority of the NSAI
and comes into effect on:
13.340.20

NOTE: If blank see CEN/CENELEC cover page

NSAI T +353 1 807 3800 Sales:

 1 Swift Square,
 F +353 1 807 3838
 T +353 1 857 6730

 Northwood, Santry
 E standards@nsai.ie
 F +353 1 857 6729

 Dublin 9
 W NSAI.ie
 W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

National Foreword

I.S. EN 352-6:2020 is the adopted Irish version of the European Document EN 352-6:2020, Hearing protectors - Safety requirements - Part 6: Earmuffs with safety-related audio input

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

For relationships with other publications refer to the NSAI web store.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This is a free page sample. Access the full version online.

This page is intentionally left blank

EUROPEAN STANDARD

EN 352-6

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2020

ICS 13.340.20

Supersedes EN 352-6:2002

English Version

Hearing protectors - Safety requirements - Part 6: Earmuffs with safety-related audio input

Protecteurs individuels contre le bruit - Exigences de sécurité et essais - Partie 6 : Serre-tête avec entrée

Gehörschützer - Sicherheitstechnische Anforderungen und Prüfungen - Teil 6: Kapselgehörschützer mit Kommunikationseinrichtungen

This European Standard was approved by CEN on 18 June 2018.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 352-6:2020 (E)

Con	ntents	Page
Euro	pean foreword	3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4 4.1 4.2	RequirementsGeneralSound output levels and criterion input signal	6
5	Marking	6
6	Manufacturer's instructions and information	6
Anne	ex ZA (informative) Relationship between this European Standard and the essential requirements of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment aimed to be covered	8
Bibli	iography	9

European foreword

This document (EN 352-6:2020) 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 May 2021, and conflicting national standards shall be withdrawn at the latest by November 2023.

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 supersedes EN 352-6:2002.

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.

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

Clause/Paragraph/Table/Figure	Change
Clause 5	removed, reference to EN 13819-3:2019 7.5.1 and 7.6.1 added
Annex A	removed
Annex B	removed, reference to EN 13819-3:2019 7.5.1 and 7.6.1 added

NOTE 1 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.

NOTE 2 The modifications include previously issued guidance documents according to Article 24 $\S11$ in the EU Regulation (EU) 2016/425 on personal protective equipment. No changes have been made to minimum safety requirements. The modifications do not affect the state of art of the product requirements for these products.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 352-6:2020 (E)

Introduction

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

EN 352-6 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 earmuffs 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.

Earmuffs 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 352-1:2020, Hearing protectors - General requirements - Part 1: Earmuffs

EN 352-3:2020, Hearing protectors - General requirements - Part 3: Earmuffs attached to head protection and/or face protection devices

EN 13819-3:2019, Hearing protectors - Testing - Part 3: Supplementary acoustic test methods

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 352-1:2020, EN 352-3:2020 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at https://www.iso.org/obp

3.1

earmuffs with safety-related audio input

earmuffs including an electrical audio input facility or circuit for safety-related communication

3.2

sound output level

A-weighted diffuse-field related sound pressure level produced by the audio input facility of an earmuff for a given input signal

3.3

criterion input signal

mean input signal minus one standard deviation for which the sound output level is equal to 82 dB(A)

¹ (Bluetooth® is the trademark of a product supplied by Bluetooth® SIG. This information is given for the convenience of users of this European Standard and does not constitute an endorsement by CEN of the product named. Equivalent products may be used if they can be shown to lead to the same results.)



This is a free preview	 Purchase the entire 	e publication at the link below:
------------------------	---	----------------------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation