Principles for testing and certification of hearing protectors in accordance with Regulation (EU) 2016/425

Last amended: April 2022

Testing principles
GS-IFA-P01

Institute for Occupational Safety and Health (IFA)
of the German Social Accident Insurance (DGUV)
Testing and certification department at DGUV Test
Alte Heerstr. 111
53757 Sankt Augustin, Germany

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0. Preliminary note – Changes to the previous version

- Adaptation of the structure in line with the framework documentation of DGUV Test "Creating principles for testing" (FE 05)
- Editorial update
- Addition of the revised versions of EN 352 and EN 13819 from 2020

1. General information

1.1. Scope of application

The present test principles apply to all hearing protector products intended for placing on the market in the EU in accordance with the PPE Regulation (EU) 2016/425. Products which are intended only to improve comfort and/or which are not intended to provide protection against noise lie outside the scope of the PPE Regulation.

Regulation (EU) 2016/425 replaces PPE Directive 89/686/EEC, which was implemented in Germany as a result of the 9th Ordinance under the German Product Safety Act, and does not require transposition into national law. It therefore came into force immediately in Germany on 21 April 2016 and has been applicable for product approvals since 21 April 2018.
PPE approved for the first time may be placed on the market only if it meets the conditions set out in Regulation (EU) 2016/425, in particular the essential health and safety requirements set out in Annex II of the regulation.

The EU regulation distinguishes between three categories of PPE. Hearing protectors fall into category III and are therefore subject to mandatory EU type examination (Annex V, Module B) and monitoring to ensure conformity to type in accordance with Annex VII (Module C2) or Annex VIII (Module D). EU type examination and monitoring may be performed only by bodies notified for this purpose by the competent national authorities to the European Commission and the other Member States (notified bodies).

1.2. Test specifications

- Regulation (EU) 2016/425
- Required standards: Parts 1 to 10 of the EN 352 standard published in 2020 were harmonised under the PPE Regulation through Implementing Decision 2021/1201 of 16 July 2021. The period of transition for the presumption of conformity of the previous version of parts 1 to 8 of

EN 352 ends on 21 January 2023. Until this date, these previous versions can also be used without further justification as a basis for an EU type examination. The period of transition for the validity of the previous standards at the level of the European Committee for Standardisation (CEN) ends in November 2023. Specifically, the following standards are used:

- EN 352-1:2002 resp. EN 352-1:2020
- EN 352-2:2002 resp.EN 352-2:2020
- EN 352-3:2002 resp.EN 352-3:2020
- EN 352-4:2001 + A1:2005 resp.EN 352-4:2020
- EN 352-5:2003 + A1:2005 resp.EN 352-5:2020
- EN 352-6:2002 resp.EN 352-6:2020
- EN 352-7:2002 resp.EN 352-7:2020
- EN 352-8:2008 resp.EN 352-8:2020
- EN 352-9:2020
- EN 352-10:2020

- Testing standards: EN 352 refers to testing procedures from the EN 13819 series of standards, which in turn refer to parts of the EN ISO 4869 series.
  - EN 13819-1:2002 resp.EN 13819-1:2020
  - EN 13819-2:2002 resp.EN 13819-2:2020
  - EN 13819-3:2019
  - EN ISO 4869-1:2018
  - EN ISO 4869-2:2018
  - EN ISO 4869-3:2007
  - RfUs (Recommendations for Use sheets), if applicable

You can find detailed information surrounding the regulations and standards mentioned, as well as referenced documents, in Annex 1.

1.3. **Validity**

These testing principles apply from 4 April 2022 and replace the GS-IFA-P01 testing principles from June 2018.

2. Terminology

The terminology defined in the EN 352, EN 13819 and EN ISO 4869 series of standards shall apply.

3. Requirements and tests

3.1. EU type examination

3.1.1. Demonstration of conformity

The manufacturer or his authorised representative established within the European Union lodges an application for EU type examination with a notified body. Simultaneous lodging of applications with multiple notified bodies is not permissible.

Under the terms of EU type examination, the notified body inspects the manufacturer's technical documentation and the types of the PPE for their compliance with the essential requirements of the regulation. Provided the inspection is passed, the notified body issues the EU type-examination certificate. The certificate confirms that the type of the PPE satisfies the essential requirements of the regulation.

The manufacturer applies to a body notified for the purpose for "Checking of PPE Manufactured" (conformity to type) under Annex VII or VIII of the PPE Regulation.

On the basis of the EU type-examination certificate and on the basis of a production monitoring agreement reached with a notified body in accordance with Annex VII or VIII of the PPE Regulation, the manufacturer or his authorised representative established in the European Union issues an EU declaration of conformity confirming that the PPE described in it satisfies the requirements of Regulation (EU) 2016/425 and is identical to the PPE forming the subject of the EU type-examination certificate referred to above. The manufacturer further declares that the PPE stated is subject to checks by a notified body. The manufacturer affixes the CE marking to each item of PPE manufactured in accordance with Articles 16 and 17 of the PPE Regulation, together with the identification number of the notified body performing monitoring of the PPE manufactured (see Section 3.7).

The manufacturer must retain the following documentation for presentation to the competent authorities if required:

- Documentation stated in Annex III of the regulation (manufacturer's technical documentation)
- EU type-examination certificate issued by the notified body
- Manufacturer's EU declaration of conformity
- Report on the test results as part of quality assurance for the end product (Annex VII), or audit reports, reports of plant visits and certificates, if applicable, as part of surveillance of the quality system (Annex VIII).

3.1.2. Application for EU type examination

The Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA) is a notified body for performance of the EU type examination for hearing protectors.

Application for performance of the EU type examination (in accordance with the Rules of Procedure for Testing and Certification, Section 2.2 [b]) may be lodged with the IFA by means of an application form, associated accompanying documents, and, if applicable, a statement of authorisation from the manufacturer. These forms can be requested directly from the IFA.

Type examination begins after the notified body and requesting party enter into a legally binding agreement.

The request must be accompanied by the following technical documentation as stated in Annex III of the PPE Regulation:

a. A complete description of the PPE and of its intended use
b. An assessment of the risks against which the PPE is intended to protect
c. A list of the essential health and safety requirements that are applicable to the PPE
d. Design and manufacturing drawings and schemes of the PPE and of its components, sub-assemblies and circuits
e. Descriptions and explanations necessary for the understanding of the drawings and schemes referred to in point d. and for understanding of the operation/use of the PPE

f. The reference(s)[1] for the harmonised standard(s) referred to in Article 14 that have been applied for the design and manufacture of the PPE. In the event of partial application of harmonised standards, the parts of the standards that have been applied must be specified in the documentation.
g. Where harmonised standards have not been applied or have been only partially applied, descriptions of the other technical specifications that have been applied in order to satisfy the applicable essential health and safety requirements must be provided
h. The results of the design calculations, inspections and examinations carried out to verify the conformity of the PPE with the applicable essential health and safety requirements
i. Reports on the tests carried out to verify the conformity of the PPE with the applicable essential health and safety requirements and, where appropriate, to establish the relevant protection class
j. A description of the means used by the manufacturer during the production of the PPE to ensure the conformity of the PPE produced with the design specifications
k. A copy of the manufacturer's instructions and information set out in point 1.4 of Annex II
l. For PPE produced as a single unit to fit an individual user, all the necessary instructions for manufacturing such PPE on the basis of the approved basic model (*note: not applicable for hearing protection*);
m. For PPE produced in series where each item is adapted to fit an individual user, a description of the measures to be taken by the manufacturer during the fitting and production process to ensure that each item of PPE complies with the approved type and with the applicable essential health and safety requirements

Note on point m.: This applies to custom moulded earplugs and refers to the function check (fit test) that is to be performed for each item. The suitability of this description is reviewed during the EU type examination.

Should these documents not yet be available at the time of lodging of the application, they must be presented to the IFA at the latest prior to issuing of the EU type-examination certificate.

Of the hearing protector type to be tested, the following must be submitted (if applicable):

Earplugs:	30 pairs, of different sizes where applicable; where different colours are available, all available colours must be represented.
Custom moulded earplugs:	Approx. 25 pairs, manufactured by means of ear impressions on test persons provided by the IFA. The ear impressions are to be produced at the IFA by the requesting party. Where different colours are available, see "Earplugs".
Earmuffs:	10 pieces of the same type, together with 6 pairs of spare sealing cushions. Should the hearing protector be sold in different colours, the colours must be distributed evenly over the 10 test samples.

[1] The reference of a standard refers to the title of the document including the number of the standard and the year of its publication.

Earmuffs attached to head protection or face protection devices:	10 samples of the basic combination (earmuffs and the carrier). Another 6 samples of the earmuffs and the carrier for each supplementary combination.
Earmuffs with additional electronic functions	Same as "Earmuffs", but with 4 additional samples (i.e. 8 cups with speakers) for testing the electronics.
Earplugs/ custom moulded earplugs with additional electronic functions	Same as "Earplugs" or "Custom moulded earplugs", but with 4 additional sample pairs for testing the electronics, and, in the case of custom moulded earplugs, two pairs of ear moulds for the artificial head.

All written documentation is to be submitted in English or German. Where translations of original documents are submitted, copies of the original documents must also be submitted. The IFA reserves the right to have translations officially certified at the applicant's expense if required.

3.2. Requirements for testing and certification

PPE is tested and certified against the essential health and safety requirements set out in Annex II of Regulation (EU) 2016/425. With respect to hearing protectors, these requirements are supported by the standards of the EN 352 series, which are harmonised under the PPE Regulation, and in the RfUs (Recommendations for Use Sheets) of Vertical Group 4 ("Hearing Protection") and of the Horizontal Committee for Notified Bodies (HCNB) for PPE. The standards or RfUs used are those that are appropriate for the relevant product and applicable at the time of testing (see Section 1.2).
Observance of individual technical specifications found in standards is not mandatory if an equivalent level of safety in the sense of the regulation is demonstrated by other means. The assessment criteria and test methods that must then be applied are agreed on a case-by-case basis between the notified body and the applicant.

3.3. Requirements placed upon user information and marking under EN 352

3.3.1. User information

In accordance with the PPE Regulation (EU) 2016/425, Annex II, Section 1.4, user information generally must contain the following information:

a. Instructions for storage, use, cleaning, maintenance, servicing and disinfection. Cleaning, maintenance or disinfectant products recommended by manufacturers must have no adverse effect on the PPE or the user when applied in accordance with the relevant instructions.
b. Performance as recorded during relevant technical tests to check the levels or classes of protection provided by the PPE
c. Where applicable, accessories that may be used with the PPE and the characteristics of appropriate spare parts
d. Where applicable, the classes of protection appropriate to different levels of risk and the corresponding limits of use
e. Where applicable, the month and year or period of obsolescence of the PPE or of certain components of the PPE
f. Where applicable, the type of packaging suitable for transport
g. The significance of any markings
h. The risk against which the PPE is designed to protect

i. The reference to this regulation and, where applicable, the references to other Union harmonisation legislation
j. The name, address and identification number of the notified body or bodies involved in the conformity assessment of the PPE
k. References[2] to the relevant harmonised standard(s) used, including the date of the standard(s), or references to the other technical specifications used
l. The internet address where the EU declaration of conformity can be accessed

The information referred to in points i., j., k. and l. need not be contained in the instructions supplied by the manufacturer if the EU declaration of conformity accompanies the PPE.

The specific implementation of these requirements for hearing protectors can be found in Section 6 of the parts of the EN 352 standard.

3.3.2. Marking

The requirements listed in the following sub-sections are derived from the relevant specified standards and the PPE Regulation (EU) 2016/425.

3.3.2.1. Earmuffs and earmuffs attached to industrial safety helmets (EN 352-1:2002 and EN 352-3:2002)

The earmuffs must be marked indelibly with the following information:

- Name, trademark or other mark of the manufacturer or of the manufacturer's authorised representative
- Manufacturer's postal address
- Number of the standard, i.e. "EN 352"
- Model designation
- Type, batch or serial number
- Date of production and/or obsolescence (including statement of which)
- In the case of earmuffs intended to be worn only in a specific orientation, "FRONT" and/or "TOP" markings, and/or "RIGHT" and "LEFT" on the cups
- CE marking with identification number of the notified body (PPE Regulation, Article 17(3))

3.3.2.2. Earmuffs and earmuffs attached to head protection and/or face protection devices (EN 352-1:2020, EN 352-3:2020)

The ear muffs must be marked indelibly with the following information:

- In the case of earmuffs designed by the manufacturer to be worn only in a specific orientation, "FRONT" and/or "TOP" markings, and/or "RIGHT" and "LEFT" on the cups
- Name, registered trade name or registered trademark of the manufacturer and the postal address at which the manufacturer can be contacted. This should be specified on the PPE itself, or when this is not possible, on the packaging or in the documents enclosed with the PPE. (PPE Regulation, Article 8 (6)).
- Model designation

[2] Statement of the respective number and year of publication of standards is sufficient in the user information.

- Type, batch or serial number or another marking showing this information. If this is not possible due to the size or type of PPE, the necessary information must be provided on the packaging or in the documentation supplied with the PPE. (PPE Regulation, Article 8 (5))
- CE marking with identification number of the notified body (PPE Regulation, Article 17(3))

The earmuffs or the packaging must be marked with the following information:

- Number of the European series of standards, i.e. "EN 352"
- Date of manufacture or date of obsolescence including the month and year

3.3.2.3. Earplugs (EN 352-2:2002)

The earplugs themselves or the smallest quantity packaging supplied by the manufacturer must bear the following information:

- Name, trademark or other identification of the manufacturer or of the manufacturer's authorised representative
- Manufacturer's postal address*
- Number of the standard, i.e. "EN 352"
- Model name
- Type, batch or serial number
- Date of production and/or obsolescence (including statement of which)
- Statement of whether the earplugs are disposable or for re-usable*
- Instructions for fitting and use, including reference to the need for proper fitting
- On each custom moulded earplug, explicit markings for right or left or colour coding for differentiation between the right and left ear
- Nominal diameter (except for custom moulded earplugs and semi-aural earplugs)*
- CE marking with identification number of the notified body (PPE Regulation, Article 17(3))

* This information may be provided on the accompanying packaging.

3.3.2.4. Earplugs (EN 352-2:2020)

The earplugs themselves or the smallest quantity packaging supplied by the manufacturer must be permanently marked with the following information:

- Number of the European series of standards, i.e. "EN 352"
- Date of manufacture or date of obsolescence including the month and year
- Regarding custom moulded earplugs and all earplugs with left/right orientation: a special marking or colour coding on each earplug to differentiate between left and right
- A marking with the name, trademark or other identifying mark of the manufacturer or the manufacturer's authorised representative on the re-cloable packaging, if the earplugs are identified as re-usable
- Name, registered trade name or registered trademark of the manufacturer and the postal address at which the manufacturer can be contacted. This should be specified on the PPE

itself, or when this is not possible, on the packaging or in the documents enclosed with the PPE. (PPE Regulation, Article 8 (6))

- Model designation
- Type, batch or serial number or another marking showing this information. If this is not possible due to the size or type of PPE, the necessary information must be provided on the packaging or in the documentation supplied with the PPE.
- CE marking with identification number of the notified body (PPE Regulation, Article 17(3))

3.3.3. Special requirements concerning the user information and marking of hearing protectors that do not satisfy the requirements regarding minimum sound attenuation set out in Sub-clause 4.3.12 of EN 352-1 and -3 and in Sub-clause 4.3.6 of EN 352-2

3.3.3.1. General information

The passive sound attenuation of the product is tested in accordance with Sub-clause 4.2 of EN 13819-2. The product is assessed in accordance with Annex V, Section 4 f) of the PPE Regulation, based upon the manufacturers' technical specifications.

The "PPE Guidelines" for the PPE Regulation of April 2018 explain the following in relation to the EU type examination:
"(…) Manufacturers' instructions and information must specify the intended use of the PPE and the risks covered.
Verification by the notified body of the effectiveness of the protection offered by the PPE assumes concrete knowledge of the dangerous situations inherent in its intended use as declared in the manufacturers' instructions and information and of the acknowledged state of the art at that moment. (…)"

3.3.3.2. User information

Besides the requirements stated in Section 3.3.1 (see also Clause 6 of the relevant part of the EN 352 series of standards), the user information must contain a definitive list of the areas of use (working areas/occupations/tasks) for which the hearing protector is suitable. The specific situations must be defined sufficiently clearly, possibly by confirming suitability for certain working methods/tasks or ruling certain methods/tasks out, or by setting a limit for the duration of exposure.

The manufacturer provides the notified body with supplementary documentation on the areas of use stated in the user information. This documentation must comprehensibly describe the reasoning for selection of these areas of use. The notified body reviews this documentation.

The user information must state that the product does not satisfy the minimum sound attenuation in accordance with EN 352.

3.3.3.3. Marking

The requirements stated in Section 3.3.2 of the present test principles apply with the exception of the bullet point: "Number of the standard, i.e. EN 352". Marking with the number of the standard is not permissible, since not all requirements of the standard are met.

3.4. Retention of test specimens and test documentation

Following completion of the EU type examination, the test specimens are retained by the notified body. Alternative arrangements may be agreed on a case-by-case basis. Where their retention at the test and certification body is not required following testing, the test specimens are held for collection for six weeks. Should the test specimens not be collected within this time, the test and certification body is entitled to return them, store them or have them scrapped, in each case at the requesting party's expense.
Documents supplied to the IFA by the applicant for performance of testing are retained by the test and certification body as documentary material. The duplicate copy of this documentation is stamped with the notified body's test mark and returned to the manufacturer for retention.

3.5. EU type-examination certificate

A test report is issued in respect of the EU type examination. Where the items undergoing testing pass the EU type examination, the applicant receives an EU type-examination certificate from the IFA that is valid for a maximum of five years. With this certificate, the notified body declares that the tested model of PPE stated on the certificate satisfies the relevant provisions of Regulation (EU) 2016/425 (certification).

After completion of the certification process, the manufacturer must submit two ready-for-sale samples per product. The marking and design of the user information and packaging of these samples must correspond with the products that will be placed on the market in future.

3.6. Review of the EU type-examination certificate

The holder of the EU type-examination certificate may apply for it to be reviewed. To this end, the holder of the certificate must lodge an application no earlier than twelve months and no later than six months before expiration of the EU type-examination certificate, submitting the following documents/samples in accordance with Annex V, 7.6 of the PPE Regulation:

a. The name and address of the holder and information identifying the EU type-examination certificate concerned
b. The current address of the production site
c. An application and a specimen of the product in its form ready for sale, including packaging and user information
d. Confirmation that there has been no modification to the approved type as referred to in Annex V, point 7.2, including materials, sub-components or sub-assemblies, nor to the relevant harmonised standards or technical specifications applied
e. Confirmation that there has been no change in the state of the art as referred to in Annex V, point 7.3
f. Where not already submitted, copies of current product drawings and photographs, product marking and information supplied by the manufacturer
g. For category III products (such as hearing protection products), where not already available to the notified body, information on the results of the supervised product checks at random intervals carried out in accordance with Annex VII, or on the results of audits of his quality system carried out in accordance with Annex VIII

Where the notified body confirms that no modification to the approved type and no change in the state of the art have occurred, the simplified review procedure is applied. In such cases, the notified body renews the EU type-examination certificate, and technical examinations and tests are not carried out.

If, following the review, the notified body concludes that the above conditions are not met, the procedure to Annex V, 7.5 of the PPE Regulation, which includes tests and examinations on the product, is applied.
Where reasonable doubts exist whether the product is identical to the tested types, the notified body further reserves the right to conduct a check of relevant requirements at the applicant's expense.

3.7. Application for checking of PPE manufactured

3.7.1. General information

The IFA is a notified body authorised to check PPE manufactured, in accordance with Annex VII (Module C2), "conformity to type based on internal production control plus supervised product checks at random intervals", and for recognition and monitoring of quality systems in accordance with Annex VIII (Module D), "conformity to type based on quality assurance of the production process". The manufacturer may apply to the IFA for inspection and testing of the PPE manufactured.
All written documentation is to be submitted in English or German. Where translations of original certificates are submitted, copies of the original certificates must also be submitted. The IFA reserves the right to have translations officially certified at the applicant's expense if required.
Should the request be accepted, the IFA enters into a monitoring agreement with the manufacturer.

3.7.2. Checking of the PPE manufactured in accordance with Annex VII of the PPE Regulation

Before placing PPE on the market, the manufacturer lodges an application for supervised product checks at random intervals with a single notified body of their choice. The application must include:

a. The name and address of the manufacturer and, if the application is lodged by the authorised representative, also the latter's name and address
b. A written declaration that the same application has not been lodged with any other notified body
c. Identification of the PPE concerned
d. A description of the test and inspection equipment employed in the manufacturing facility

Where the chosen body is not the body that carried out the EU type examination, the application must also include the following:
a. The technical documentation described in Annex III
b. The report on the technical tests in the laboratory forming part of the EU type examination
c. A copy of the EU type-examination certificate

The first product checks must be carried out no more than one year after the date of issue of the EU type-examination certificate.

Further details are governed by the GS-IFA-QM1 test principles.

3.7.3. Checking of the PPE manufactured in accordance with Annex VIII of the PPE Regulation

The manufacturer lodges an application for assessment of his quality system with a single notified body of his choice. The application must include:
a. The name and address of the manufacturer and, if the application is lodged by the authorised representative, also the latter's name and address
b. The address of the manufacturer's premises at which the audits can be carried out
c. A written declaration that the same application has not been lodged with any other notified body

d. Identification of the PPE concerned
e. The documentation concerning the quality system

Where the chosen body is not the body that carried out the EU type examination, the application must also include the following:
a. The technical documentation concerning the PPE described in Annex III
b. A copy of the EU type-examination certificate

The initial audit must be completed before the PPE is placed on the market.

Further details are governed by the GS-IFA-QM2 test principles.

3.8. CE marking

Upon satisfaction of all requirements stated in Section 3.2, the manufacturer or his authorised representative established in the European Union must affix the CE marking to the hearing protectors legibly and indelibly for the life of the PPE in accordance with Articles 16 and 17 of Regulation (EU) 2016/425.

On category III PPE, the CE marking must be followed by the identification number of the notified body involved in the procedure in accordance with Annex VII or VIII. In the case of the IFA, this number is 0121.

In accordance with Article 30 and Annex II of Regulation (EC) 765/2008, the various components of the CE marking must have substantially the same vertical dimension, which may not be less than 5 mm. Deviations from this dimension are permissible for small items of PPE.
If the CE marking is reduced or enlarged, the proportions derived from the graduated drawing in the directive must be respected.

3.9. Development testing

In addition to the EU type examinations, the IFA also conducts discrete tests (development tests), the scope of which is specified by the applicant. A test report is produced based on the results of discrete tests. This report may not be published or used for publicity purposes. The number of type samples for development tests is to be agreed with the notified body.

3.10. Test fees

Refer to the latest IFA fee scale for the test fees. The costs of testing are borne by the applicant. The fees are subject to value-added tax at the statutory rate.

Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA)

Anlage: Regelwerke

European Directives, Regulations and their national implementations
(Source: Web sites of the European Union, of the German Federal Ministry of Justice or of BAuA)

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC, applicable since 21 April 2018

Regulation (EC) 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products and repealing Regulation (EEC) No 339/93

Directive 2003/10/EC of the European Parliament and of the Council of 6 February 2003 on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (noise)

(German) Noise and Vibrations Occupational Safety and Health Ordinance (LärmVibrationsArbSchV) of 6 March 2007, last amended by Article 3 of the Ordinance of 21 July 2021

(German) Technical rules governing noise (TRLV Lärm)

Standards
Note: All references relate to the national version of the standard (DIN EN…) as available in Germany. The underlying version of the European standard (EN…) is referenced additionally.

Requirement standards giving presumption of conformity regarding the PPE Regulation until 21 January 2023
DIN EN 352-1:2003-04
Hearing protectors – General requirements – Part 1: Ear-muffs; German version EN 352-1:2002

DIN EN 352-2:2003-04
Hearing protectors – General requirements – Part 2: Ear-plugs; German version EN 352-2:2002

DIN EN 352-3:2003-04
Hearing protectors – General requirements – Part 3: Ear-muffs attached to an industrial safety helmet; German version EN 352-3:2002

DIN EN 352-4:2006-01
Hearing protectors – Safety requirements and testing – Part 4: Level-dependent ear-muffs; German version EN 352-4:2001 + A1:2005

DIN EN 352-5:2006-03
Hearing protectors – Safety requirements and testing – Part 5: Active noise reduction ear-muffs (includes Amendment A1:2005); German version EN 352-5:2002 + A1:2005

DIN EN 352-6:2003-04
Hearing protectors – Safety requirements and testing – Part 6: Ear-muffs with electrical audio input; German version EN 352-6:2002

DIN EN 352-7:2003-04
Hearing protectors – Safety requirements and testing – Part 7: Level-dependent ear-plugs; German version EN 352-7:2002

DIN EN 352-8:2008-07
Hearing protectors – Safety requirements and testing – Part 8: Entertainment audio ear-muffs; German version EN 352-8:2008

Requirement standards giving presumption of conformity regarding the PPE Regulation since 21 July 2021
DIN EN 352-1:2021-03
Hearing protectors – General requirements – Part 1: Earmuffs; German version EN 352-1:2020

DIN EN 352-2:2021-03
Hearing protectors – General requirements – Part 2: Earplugs; German version EN 352-2:2020

DIN EN 352-3:2021-03
Hearing protectors – General requirements – Part 3: Earmuffs attached to head protection and/or face protection devices; German version EN 352-3:2020

DIN EN 352-4:2021-03
Hearing protectors – Safety requirements – Part 4: Level-dependent earmuffs; German version EN 352-4:2020

DIN EN 352-5:2021-03
Hearing protectors – Safety requirements – Part 5: Active noise reduction earmuffs; German version EN 352-5:2020

DIN EN 352-6:2021-03
Hearing protectors – Safety requirements – Part 6: Earmuffs with safety-related audio input; German version EN 352-6:2020

DIN EN 352-7:2021-03
Hearing protectors – Safety requirements – Part 7: Level-dependent earplugs; German version EN 352-7:2020

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Recommendations for Use sheets of the Horizontal Committee of Notified bodies for PPE (HCNB): https://ec.europa.eu/docsroom/documents/35122

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