

SLOVENSKI STANDARD

SIST EN ISO 4869-1:2019

01-januar-2019

Nadomešča:

SIST EN 24869-1:1999

Akustika - Oprema za varovanje sluha - 1. del: Subjektivna metoda za merjenje dušenja zvoka (ISO 4869-1:2018)

Acoustics - Hearing protectors - Part 1: Subjective method for the measurement of sound attenuation (ISO 4869-1:2018)

Akustik - Gehörschützer - Teil 1: Subjektive Methode zur Messung der Schalldämmung (ISO 4869-1:2018)

Acoustique - Protecteurs individuels contre le bruit - Partie 1: Méthode subjective de mesure de l'affaiblissement acoustique (ISO 4869-1:2018)

Ta slovenski standard je istoveten z: EN ISO 4869-1:2018

ICS:

13.340.20	Varovalna oprema za glavo	Head protective equipment
17.140.01	Akustična merjenja in blaženje hrupa na splošno	Acoustic measurements and noise abatement in general

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 4869-1

November 2018

ICS 13.340.20

Supersedes EN 24869-1:1992

English Version

**Acoustics - Hearing protectors - Part 1: Subjective method
for the measurement of sound attenuation (ISO 4869-
1:2018)**

Acoustique - Protecteurs individuels contre le bruit -
Partie 1: Méthode subjective de mesurage de
l'affaiblissement acoustique (ISO 4869-1:2018)

Akustik - Gehörschützer - Teil 1: Subjektive Methode
zur Messung der Schalldämmung (ISO 4869-1:2018)

This European Standard was approved by CEN on 23 April 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.

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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.

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COMITÉ EUROPÉEN DE NORMALISATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 4869-1:2018) has been prepared by Technical Committee ISO/TC 43 "Acoustics" in collaboration with Technical Committee CEN/TC 211 "Acoustics" 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 2019, and conflicting national standards shall be withdrawn at the latest by May 2019.

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 24869-1:1992.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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INTERNATIONAL STANDARD

**ISO
4869-1**

Second edition
2018-10

Acoustics — Hearing protectors — Part 1: Subjective method for the measurement of sound attenuation

Acoustique — Protecteurs individuels contre le bruit —

*Partie 1: Méthode subjective de mesurage de l'affaiblissement
acoustique*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html. (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.

This second edition cancels and replaces the first edition (ISO 4869-1:1990), which has been technically revised.

The main changes compared to the previous edition are as follows:

The revision includes changes mainly of the sound field requirements, specification of test equipment, test procedures and instructions to the test subjects, and uncertainty of the measurements. The sound field requirements are based on published and unpublished laboratory experience, especially [10] and [11] in the Bibliography.

A list of all parts in the ISO 4869 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Hearing protectors are commonly used to reduce the noise to which the ear is exposed. Hearing protectors are manufactured as earplugs, earmuffs or helmets. A standardized method of sound attenuation measurement allows comparison of performance data obtained in different locations under similar conditions.

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