



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN ISO 4869-4:2000**

ICS 13.340.20

**ACOUSTICS – HEARING PROTECTORS –  
PART 4: MEASUREMENT OF EFFECTIVE  
SOUND PRESSURE LEVELS FOR  
LEVEL-DEPENDENT SOUND-RESTORATION  
EAR-MUFFS (ISO/TR 4869-4:1998)**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 4869-4**

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ICS 13.340.20

English version

**Acoustics - Hearing protectors - Part 4: Measurement of  
effective sound pressure levels for level-dependent sound-  
restoration ear-muffs (ISO/TR 4869-4:1998)**

Acoustique - Protecteurs individuels contre le bruit - Partie  
4: Mesurage des niveaux effectifs de pression acoustique  
des serre-têtes destinés à la restitution du son (ISO/TR  
4869-4:1998)

Akustik - Gehörschützer - Teil 4: Messung der wirksamen  
Schalldruckpegel von Kapselgehörschützern mit  
pegelabhängiger elektroakustischer  
Übertragungseinrichtung (ISO/TR 4869-4:1998)

This European Standard was approved by CEN on 10 April 2000.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

**Central Secretariat: rue de Stassart, 36 B-1050 Brussels**

## **Foreword**

The text of the International Standard from Technical Committee ISO/TC 43 "Acoustics" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 211 "Acoustics", the secretariat of which is held by DS.

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 November 2000, and conflicting national standards shall be withdrawn at the latest by November 2000.

This European Standard 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 Directive(s).

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## **Endorsement notice**

The text of the International Standard ISO 4869-4:1998 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

**Annex ZA** (normative)**Normative references to international publications  
with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 4869-1	1990	Acoustics - Hearing protectors - Subjective method for the measurement of sound attenuation	EN 24869-1	1992
ISO 4869-2	1994	Acoustics - Hearing protectors - Part 2: Estimation of effective A-weighted sound pressure levels when hearing protectors are worn	EN ISO 4869-2	1995
ISO/TR 4869-3	1989	Acoustics - Hearing protectors - Part 3: Simplified method for the measurement of insertion loss of ear-muff type protectors for quality inspection purposes	EN 24869-3	1993



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