



PRODUCT NUMBER: 1012534
Thunder T2Hs Helmet Earmuff
[3711, 3712, 3721 Adapters]

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>

Learn more about hearing conservation at hearforever.org >



Overview

Reference Number

1012534

Product Type

Hearing Protection

Range

Earmuffs

Line

Noise Blocking Earmuffs

Brand

Howard Leight by Honeywell

Brand formerly known as

BILSOM

Industry

- Industry • Administration • Agriculture • Army - Defence • ATEX environment
- Automotive and Part Manufacturer • Aviation • Building and Construction • Catering
- Chemical Industries • Energy or Electricity • Fire Protection brigades • Fishing • Food Industries
- Foundry • Glass Industries • Green Spaces • Homeland defense • Industrial Cleaning
- Iron and steel industry • Laboratory • Logistics • Maintenance • Medical and Pharmaceutical
- Metal steel • Mining and Quarrying • Offshore • Paper Industries • Petro-chemical
- Printing Industries • Services • Ship Building • Telecoms • Textile Industries • Transportation
- Utilities • Water treatment • Welding • Wood Industries

Product Use

Noise Blocking Earmuff
 For Construction workers

Features & Benefits

Feature

AIR FLOW CONTROL™ TECHNOLOGY Bilsom's patented Air Flow Control™ technology delivers optimal attenuation across all frequencies, without increasing earcup size or weight. A patented baseplate chamber and high-tech

non-woven layer manage the flow of air inside the earmuff to control how sound reaches the ear. The result is better, more consistent overall attenuation for virtually all industrial noise environments. Air Flow Control is a standard feature on all Thunder series earmuffs. DIELECTRIC/PLASTIC CONSTRUCTION Thunder's robust nondeforming dielectric construction withstands use and abuse, while protecting your workers in electrical environments. SNAP-IN EAR CUSHIONS Make replacement quick and easy. FOR USE WITH WIDE RANGE OF HELMETS INCLUDES 3711, 3712, 3721 HELMET ADAPTERS

Benefit

When it comes to selecting an earmuff, comfort reigns supreme with workers. That's why the Thunder series earmuff is designed with all-day comfort in mind. Headband earmuffs feature a unique dual-headband for better positioning and breathability, and non-deforming outer headband that minimizes pressure on the head. Plus, its dielectric construction withstands use and abuse, while protecting workers in electrical environments.

Technical Description

SNR (dB)

30

H (dB)

32

M (dB)

28

L (dB)

23

Attenuation Data

Frequency (Hz) Frequenz (Hz) Fréquence (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB) Mittlere Dämmung (dB) Atténuation moyenne (dB)	16.9	20.1	24.9	25.4	34.0	33.9	36.2	38.1
Standard Deviation (dB) Standardabweichung (dB) D?viation standard (dB)	2.9	3.3	2.8	2.4	2.3	2.9	3.2	4.6
Assumed Protection (dB) Angenommener (dB) Protection supposée (dB)	14.0	16.8	22.1	23.0	31.7	31.0	33.0	33.5

Earmuff Construction

Plastic [or Dielectric]

Other Material

POM, TPE, PP, PUR-E, PVC/Polyether

Dielectric

Yes

Color

Black and Dark Green

Batteries Needed

None

Weight (grs)

238

Headband Style

Helmet-Mounted

Sound Amplification

No

AM/FM Radio

No

Automatic Shut-Off Function

No

Audio Input Jack

No

Hi-Visibility

No

Certifications

EC Category PPE

2

Quality Assurance

ISO 9001 / 2000

EC Certificate Number

EC1284, 25306EKS03

EC Attestation
 EC Attestation

EC Attestation Number

041035

Additional Information

User Manual

Earmuff Instruction Poster - EN

Maintenance

Life Cycle

Cushions should be replaced periodically to retain maximum attenuation. Use the following as a guideline for replacement of ear cushions and insert foam. General use and wear - Ear cushions and foam inserts should be replaced at least every 6 months. Heavy use or wear in humid/extreme climates - Ear cushions and foam inserts should be replaced at least every 3 months. Cracking or leakage is visible - replace ear cushions and foam inserts immediately.

Storage Information

When not in use, the earmuffs should be stored in a clean dry container or locker. Do not use solvents or petroleum-based products. Do not immerse the earmuffs in water.

Care Instructions

Earmuffs are an important safety product and should be inspected regularly. Its use, care and maintenance are critical to its effective performance. Earmuffs and in particular ear cushions may deteriorate with use and should be examined at frequent intervals for cracking and leakage. If the ear cushions become hard, damaged or deteriorated, they should be replaced promptly using recommended Hygiene Kits. Earmuffs should be maintained by regular cleaning. Use a mild disinfectant solution. A gentle wipe is all that is required.

Parts & Accessories

Accessories

Hygiene Kit - Packed in a plastic bag, including two ear cushions and two liners. Ref. # 1010975 for T2, T2H
Adapters - For helmet attachment. Ref. # 1000242 for 3711, Ref. # 1000243 for 3712, Ref. # 1005292 for 3721
Cool II Pads - Sweat absorbing pads. Ref. # 1000365 5-pair, Ref. # 1000364 100-pair Optisorb - cotton sleeve slides over earcup. Ref. # 3302101
Polar Hood - Ref. # 1016870 Lg/XLg; Ref. # 1016871 Sm/Med

Packaging

EAN Code

7312550125342



Finnish Institute of
Occupational Health

FIOH
notified by the Ministry of Social Affairs and Health and identified
under 0403 grants

EC TYPE EXAMINATION CERTIFICATE

10087FFS01

for hearing protector attached to industrial safety helmets
as defined in EN 352-3:2002

Howard Leight Thunder T2Hs

Sperian Hearing Protection LLC

7828 Waterville Road

San Diego CA 92154

USA

This product complies with Directive 89/686/EEC, as amended

Helsinki, 30 March 2010

Helena Mäkinen
Team Leader

Erja Tammela
Senior Specialist

This certificate comprises 2 pages, of which this is the first one.
This certificate supersedes certificate 25306EKS03, 2007-01-26



1. Applicant

Sperian Hearing Protection LLC
7828 Waterville Road
San Diego CA 92154
USA

2. Description and identification of the product

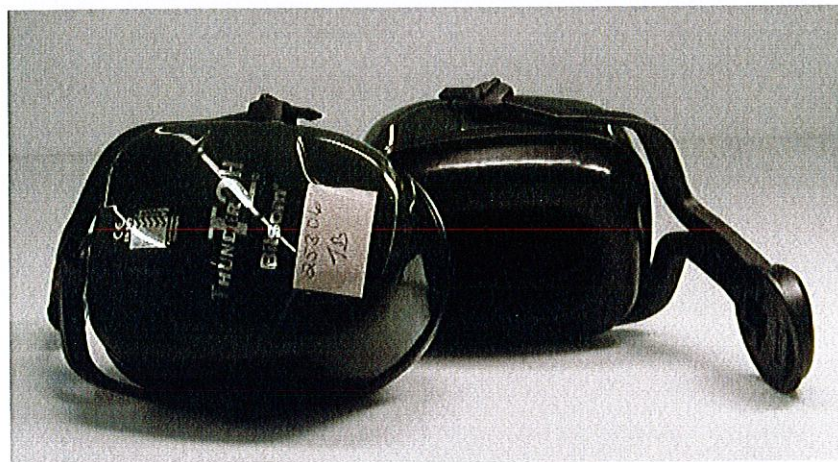
Type: Hearing protector attached to industrial safety helmets listed in Appendix 2

Name: Howard Leight Thunder T2Hs

Size range: Medium and large

Manufacturer: Sperian Hearing Protection LLC

Picture of the product



3. Adequacy and validity of the technical documentation

The documentation supplied by the applicant is listed in Appendix 1. The technical documentation is considered adequate and valid. The product has been tested in accordance with harmonized European standard EN 352-3:2002 by accredited testing methods. The model of the product supplied by the applicant conforms to the technical documentation.

4. Compliance with basic health and safety requirements

The product and the technical documentation relating to it comply with the relevant basic health and safety requirements stated in Directive 89/686/EEC Annex II as amended, last amended by 96/58/EC (in Finland VNp 1406/93 Liite 1).

Note: Any modification in design, materials, or in the technical documentation, carried out on this type examined product must be brought to the attention of FIOH.

Appendix 1. Technical documentation

Appendix 2. List of helmets

End of EC type examination certificate 10087FFS01.



**Technical and other documentation regarding EC type examination certificate
10087FFS01**

Product name: Howard Leight Thunder T2Hs
Applicant: Sperian Hearing Protection LLC

<i>Item of documentation</i>	<i>Document identification</i>	<i>Remarks</i>
1. Application for the EC type examination	Application from Peter Franzén on 2010-02-02 by email signed by Charlotte Loomis, 2010-01-29	Adequate
2. Product drawing, construction, and material list	Test report Inspec 04.10.35 31 October 2004	The product and materials are identified
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.4	
3.1 FIOH assessment of relevant Directive basic requirements	2010-03-30	The applied harmonised standard EN 352-3:2002 supports the relevant requirements
3.2 FIOH test reports	FIOH 25306T01, 2005-12-20 FIOH 25307T01, 2006-03-03 FIOH 25306T02, 2006-07-12 FIOH 25306T03, 2006-11-28 FIOH 25306T04, 2007-01-26 FIOH 10192T01, 2010-04-01 Inspec 04.10.35, 31 October 2004	The combinations listed in the Appendix 2 fulfil the requirements
3.3 Draft information sheet	Appendix to application	Fulfil the requirements
3.4 Product markings	Appendix to application	Fulfil the requirement
4. Description of the production quality system and related product control and test facilities	Quality management system - ISO 9001:2000, Certificate No: FM 38703, 2008-08-18	The quality management system fulfil the requirements

End of documentation list



Howard Leight Thunder T2Hs attached to HC600 helmet as basic combination and with the following helmets as supplementary combinations:

Helmet Brand / Model

Auboueix Brennus
Auboueix Fondélec
Auboueix IRIS II
Bicapa Balance ABS
Bicapa Balance AC
Bicapa Balance HD
Bicapa Robust
Centurion 1100
Centurion 1125
Centurion Concept
JSP Mk2
JSP Mk3
JSP Mk6
JSP Mk7
LAS (Lasoguard) LP2002
LAS LP2010 Terano
LAS LP2014 Saturno
MSA Super V-Guard II
MSA V-Guard
Peltor G2000
Peltor G22C
Peltor G3000
Protector 300
Protector 600
Protector Tuffmaster (HC-41)
Shubert BER 80
Shubert BER S
Shubert SH91
VOSS INAP STAR