



PRODUCT NUMBER: 1012533
Thunder T1Hs Helmet Earmuff
[3711, 3712, 3721 Adapters]

[Learn more about our products at howardleight.com](http://howardleight.com)

>

[Learn more about hearing conservation at hearforever.org](http://hearforever.org) >



Overview

Reference Number

1012533

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)

29

H (dB)

32

M (dB)

26

L (dB)

20

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)	15.9	18.7	22.5	23.4	32.4	34.4	35.5	37.9
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	2.7	3.8	3.9	2.5	2.2	2.3	2.3	4.7
Assumed Protection (dB) Angenommener (dB) Protection supposée (dB)	13.2	14.9	18.6	20.9	30.2	32.1	33.2	33.2

Earmuff Construction

Plastic [or Dielectric]

Other Material

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

Dielectric

Yes

Color

Black and Green

Batteries Needed

None

Weight (grs)

198

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

EC1287, 25305BDS03

EC Attestation
 EC Attestation

EC Attestation Number

041034

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. # 1010974 for T1, T1H, T1F

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

Spare Parts File

Spare Parts File

Packaging

EAN Code

7312550125335

EC TYPE-EXAMINATION CERTIFICATE: 1287

Product description: -

Hearing Protection – Ear-muffs

Product identification: -

Howard Leight Thunder T1Hs

Manufacturer: -

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

When assessed and examined against harmonised standard EN352-3:2002 are found to be in conformity with Council Directive 89/686/EEC and associated amendments, relating to personal protective equipment.

Authorised EU Representative: -

Sperian Protection Europe
Immeuble Edison - ZI Paris Nord II
33 Rue des Vanesses, BP55288
95958 Roissy CDG Cedex
France

Signed

Date: 17th December 2004

K J Warren, Manager, Certification Services

For and on behalf of INSPEC International Ltd.
56 Leslie Hough Way, Salford, Gt Manchester M6 6AJ
England (Notified Body No: 0194)

For terms and conditions of issue, see page 2

certificate invalid
if not embossed

Terms and Conditions

Reference Documents: -

- | | | | |
|------|--------------------------|---|--|
| i) | Test Reports | - | INSPEC 04.10.34 |
| ii) | Technical File | - | TF/1287 |
| iii) | Test and Inspection Plan | - | CE Product Certification, Test and Inspection Plan |

Conditions attached to the issue of this certificate:

- i) Marking and instructions have been assessed in the English language only. It is the Manufacturers/Authorised Representatives responsibility to obtain and supply language versions acceptable to the country where the product is to be sold.
- ii) Any changes to the product, technical file or quality manual/quality plan shall be immediately notified to INSPEC.
- iii) The Manufacturer/Authorised Representative shall comply at all times with INSPEC's Regulations governing CE Product Certification.
- iv) This Certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.



CERTIFICATION INDEX

Item	Status	Issued	Amendment
Page 1 of 2	Withdrawn		
Page 2 of 2	Withdrawn		
Schedule ONE	Withdrawn		
Page 1 to 4	Valid	24/11/08	Name change to SPERIAN



CERTIFICATION SCHEDULE

Model: Thunder T1Hs

Description: Helmet mounted ear-muff, for use with HC600 helmet

Size Range: L

Attenuation Data

Freq. (Hz)	63	125	250	500	1000	2000	4000	8000
Mean att. (dB)	15.9	18.7	22.5	23.4	32.4	34.4	35.5	37.9
Std. Dev. (dB)	2.7	3.8	3.9	2.5	2.2	2.3	2.3	4.7
APV (dB)	13.2	14.9	18.6	20.9	30.2	32.1	33.2	33.2
	H = 32dB		M = 26dB		L = 20dB		SNR = 29dB	

