



**PRODUCT NUMBER: 1010970**  
**Thunder T3s Headband Earmuff**

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

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



**Overview**

**Reference Number**  
1010970

**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

**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

## Thunder T3s Headband Earmuff - 1010970

construction withstands use and abuse, while protecting your workers in electrical environments. **NON-DEFORMING OUTER HEADBAND** Thunder's non-deforming outer headband provides better comfort, minimizes pressure on head, withstanding rough treatment in the toughest workplaces. **INNER-VENTILATED HEADBAND** Provides better positioning, minimizes pressure on the head. Soft, comfortable contact surface breathes easier in warm/humid climates. **QUICK CLICK HEIGHT ADJUSTMENT** Height adjustment remains fixed during wear. **SNAP-IN EAR CUSHIONS** Make replacement quick and easy.

### **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)**

36

**H (dB)**

37

**M (dB)**

34

**L (dB)**

26

**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)	21.5	23.6	30.8	34.6	40.3	38.3	43.1	40.3
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	3.6	5.3	4.5	3.0	2.2	3.4	3.4	3.6
Assumed Protection (dB) Angenommener (dB) Protection supposée (dB)	17.9	18.3	26.3	31.6	38.1	34.9	39.7	36.7

**Earmuff Construction**

Plastic [or Dielectric]

**Other Material**

POM, LDPE, PC/PBT, PP, PUR-E, PVC

**Dielectric**

Yes

**Color**

Black

**Batteries Needed**

None

**Weight (grs)**

306

**Headband Style**

Over-Head

**Sound Amplification**

No

**AM/FM Radio**

No

**Automatic Shut-Off Function**

No

**Audio Input Jack**

No

**Hi-Visibility**

No

## Certifications

 E.C. Declaration of Conformity

**EC Category PPE**

2

**Quality Assurance**

ISO 9001 / 2000

**EC Certificate Number**

0401010

**EC Attestation**

 EC Attestation

**EC Attestation Number**

200323144

## 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 foam pads. Ref. # 1010976 for T3

Beltclip - For carrying purpose. Old Ref. # 1000252 New Ref. # 1016730

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**

7312550109700



## EG-Baumusterprüfbescheinigung

0401010

Bescheinigungs-Nummer

Name und Anschrift des  
Bescheinigungsinhabers:  
(Auftraggeber) Bacou Dalloz AB  
Box 550  
SE-26050 Billesholm

Name und Anschrift des  
Herstellers: Bacou Dalloz AB  
Box 550  
SE-26050 Billesholm

Zeichen des Auftraggebers:

Zeichen der Prüf- und Zertifizierungsstelle:  
200323144

Ausstellungsdatum:  
14.01.2004

Produktbezeichnung: Kapselgehörschützer Bilsom Thunder T3

Typ: Thunder T3

Bestimmungsgemäße  
Verwendung: Kapselgehörschützer mit Kopfbügel / Persönliche Schutzausrüstung nach Art. 8 (2) der EG-Richtlinie  
89/686/EWG (Kategorie II)

Prüfgrundlage: - Grundlegende Anforderungen für Gesundheitsschutz und  
Sicherheit nach Anhang II der EG-Richtlinie 89/686/EWG  
- EN 352-1:2002  
- BS EN 24869-1:1993, ISO 4869-1:1990

Zugehöriger Prüfbericht: 200323144

Bemerkungen: keine

Das geprüfte Baumuster entspricht den einschlägigen Bestimmungen der Richtlinie 89/686/EWG (Persönliche Schutzausrüstungen),  
geändert durch die Richtlinien 93/68/EWG, 93/95/EWG und 96/58/EG.

Weitere Bedingungen regelt die Prüf- und Zertifizierungsordnung vom Oktober 1997.

Leiter der Zertifizierungsstelle

*n/fe*  
  
.....  
(Prof. Dr. rer. nat. Dielmar Reinert)

Fachzertifizierer

  
.....  
(Dr. rer. nat. Martin Liedtke)



European notified body  
Identification number 0121

Hauptverband der gewerblichen  
Berufsgenossenschaften

Translation

In any case, the German  
original shall prevail.

## EC-Type Test Certificate

0401010

No. of certificate

Name and address of the  
holder of the certificate:  
(customer) Bacou Dalloz AB  
Box 550  
SE-26050 Billesholm

Name and address of the  
manufacturer: Bacou Dalloz AB  
Box 550  
SE-26050 Billesholm

Ref. of customer:

Ref. of Test and Certification Body:  
200323144

Date of Issue:  
2004-01-14

Product designation: Ear muff Bilsom Thunder T3

Type: Thunder T3

Intended purpose: Over-the-head Ear muff / Personal protective equipment in accordance with Art. 8 (2) of the EC-directive 89/686/EEC (category II)

Testing based on: - Basic requirements for health and safety in accordance  
with Annex II of the EC-directive 89/686/EEC  
- EN 352-1:2002  
- BS EN 24869-1:1993, ISO 4869-1:1990

Test report: 200323144

Remarks: none

The type tested complies with the provisions laid down in the directive 89/686/EEC (Personal Protective Equipment), amended by the directives 93/68/EEC, 93/95/EEC and 96/58/EC.

Further conditions are laid down in the Rules of Procedure for Testing and Certification of October 1997.

Head of certification body

  
.....  
(Prof. Dr. rer. nat. Dielmar Reinert)

Certification officer

  
.....  
(Dr. rer. nat. Martin Liedtke)



## E.C. Declaration of Conformity

**The manufacturer or its legal representative supplier in the European Community:**

Honeywell Safety Products Europe

**Declares that the Personal Protective Equipment described here after conforms to the provisions of the European Council Directive 89/686/CEE:**

Designation: Thunder T3s Headband Earmuff

Reference: 1010970

Standard(s): EN-352-1:2002

**This PPE is the object of the below EC examination certificate n°:**

0401010

**Delivered by:**

B.G.I.A.

Alte Heerstrasse 111

53754

Stankt Augustin

Germany

Drawn up in Germany, on the 10/06/2015

**By:**

**Division:** Hearing Protection

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[www.honeywellsafety.com](http://www.honeywellsafety.com)