



Bilsom Technology

GENERAL DATA**Division :** Head Protection**Family :** Hearing Protection**Range :** Earmuffs**Line :** Noise Blocking Earmuffs**Brand formerly known as :** BILSOM**Business Countries**

EMEA

United Kingdom

Middle East

Activity Domains :

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 • Logistics • Maintenance • Medical
and Pharmaceutical • Metal steel • Mining and Quarrying
• Offshore • Paper Industries • Petro-chemical •
Printing Industries • Services • Telecoms • Textile
Industries • Transportation • Utilities • Water treatment
• Welding • Wood Industries • Laboratory • Ship
Building • Industry • Administration

**Product Use :**

Noise Blocking Earmuff

PRODUCT ADVANTAGES

Feature :

AIR FLOW CONTROL™ TECHNOLOGY

Bilsom's patented Air Flow Control™ technology delivers optimal attenuation across all frequencies, without increasing earmuff 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.

NON-DEFORMING OUTER HEADBAND

Thunder's non-deforming outer headband provides better comfort, minimizes pressure on head, withstanding rough treatment in the toughest workplaces.

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) : 30

H (dB) : 32

M (dB) : 28

L (dB) : 21

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)	16.4	18.3	23.3	26.6	32.9	33.8	36.0	37.9
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	5.4	4.3	2.7	2.3	2.3	2.9	2.3	3.2
Assumed Protection (dB) Angenommener (dB) Protection supposée (dB)	11.0	14.0	20.6	24.3	30.6	30.9	33.7	34.7

Earmuff Construction :

Plastic [or Dielectric]

Other Material :

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

Dielectric : Yes

Color :

Black and Green

EC CONFORMITY DECLARATION

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

Howard Leight by Sperian

Declares that the next Personal Protective Equipment described here after is in conformity with the provisions of Council Directive 89/686/CEE:

Designation: Thunder T1s Headband Earmuff

Reference: 1010928

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

This PPE is the object of the above EC attestation type:

200422137

Delivered by:

B.G.I.A.

Alte Heerstrasse 111

53754 Stankt Augustin

Germany

Made at Germany, on the 10/15/2004

By:

Division: Head Protection





Translation

In any case, the German
original shall prevail.

EC-Type Test Certificate

0401096

No. of certificate

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

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

Ref. of customer:

Ref. of Test and Certification Body:
200422137

Date of Issue:
2004-10-15

Product designation: Ear-muff Bilsom Thunder T1s

Type: Thunder T1s

Intended purpose: Ear-muff with headband / personal protective equipment according to article 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

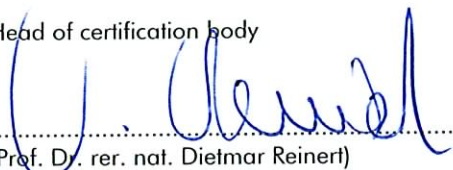
Test report: 200422137 as of 2004-10-15

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 April 2004.

Head of certification body


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

Certification officer


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



EG-Baumusterprüfbescheinigung

0401096

Bescheinigungs-Nummer

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

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

Zeichen des Auftraggebers:

Zeichen der Prüf- und Zertifizierungsstelle:
200422137

Ausstellungsdatum:
15.10.2004

Produktbezeichnung: Kapselgehörschützer Bilsom Thunder T1s

Typ: Thunder T1s

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: 200422137 vom 15.10.2004

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 April 2004.

Leiter der Zertifizierungsstelle


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

Fachzertifizierer


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