



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 :

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 • 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


Product Use :

Noise Blocking Earmuff

For Construction workers

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.

STEEL WIRE CONSTRUCTION

Robust steel wire arms withstands demanding use, especially in tough environments.

SNAP-IN EAR CUSHIONS

Snap-in ear cushions make replacement quick and easy.

FOR USE WITH WIDE RANGE OF HELMETS
INCLUDES 3711, 3712, 3721 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) : 28

H (dB) : 31

M (dB) : 25

L (dB) : 19

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)	14.3	17.6	21.6	25.1	32.6	32.9	36.6	35.5
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	4.1	3.8	3.9	4.4	3.4	3.1	4.8	3.9
Assumed Protection (dB) Angenommener (dB) Protection supposée (dB)	10.2	13.8	17.7	20.7	29.2	29.8	31.8	31.6

Earmuff Construction :

Metal

Other Material :

Steel Wire, POM, PC/PBT, ABS, PUR-E

Dielectric : No

Color :

Black and Light Grey

Batteries Needed :

None

Weight (grs) :

192

Design Patents :

Air Flow Control™

Headband Style :

Helmet-Mounted

Sound Amplification : No

AM/FM Radio : No

Automatic Shut-Off Function : No

Audio Input Jack : No

Hi-Visibility : No

ADDITIONAL INFORMATION

Accessories :

Hygiene Kit - Packed in a plastic bag, including two ear cushions and two liners. Ref. # 1011998 for L1, L1H, L1N

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

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 Instruction :

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.

User manual number :

90010506

EAN Code :

7312550125397

CERTIFICATION AND CONFORMITY**European Directives :**

89/686/EEC

EC Category PPE* : Category II**Standards :**

EN-352-3:2002

Quality Assurance :

ISO 9001 / 2000

EC Certification Number :

1283, 25307PMS03

EC Attestation Number :

041040

Laboratory :

INSPEC

*PPE : Personal Protective Equipment

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: Leightning L1Hs Helmet Earmuff [3711, 3712, 3721 Adapters]

Reference: 1012539

Standard(s): EN-352-3:2002

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

041040

Delivered by:

INSPEC

56 Leslie Hough Way

Salford

M6 6AJ Greater Manchester

United Kingdom

Made at Sweden, on the 12/17/2004

By:

Division: Head Protection



EC TYPE-EXAMINATION CERTIFICATE :1283

Product description:-

Ear-muffs

Product identification:-

Bilsom Leightning L1Hs

Manufactured by:-

Bacou-Dalloz AB
Dungattan 2
260 50 Billesholm
Sweden

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

Signed

Date: 17th December 2004

K-J Warren, Manager, Certification Services

For and on behalf of INSPEC International Ltd. (Notified Body No: 0194)

For terms and conditions of issue, see page 2

certificate invalid
if not embossed

Terms and Conditions associated with INSPEC
EC Type-Examination Certificate No: 1283

Reference Documents:-

- | | | | |
|------|--------------------------|---|--|
| i) | Test Reports | - | INSPEC 04.10.40 |
| ii) | Technical File | - | INSPEC ref. TF/1283 |
| 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 SCHEDULE

COMPANY: Bacou-Dalloz AB

CERTIFICATE NO: EC1283

SCHEDULE NO: ONE

DATE: 17th December 2004

Model: Bilsom Leightning L1Hs

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)	14.3	17.6	21.6	25.1	32.6	32.9	36.6	35.5
Std. Dev. (dB)	4.1	3.8	3.9	4.4	3.4	3.1	4.8	3.9
APV (dB)	10.2	13.8	17.7	20.7	29.2	29.8	31.8	31.6
	H = 31dB		M = 25dB		L = 19dB		SNR = 28dB	

Signed for and on behalf of INSPEC.....

Kevin Warren, Manager, Certification Services