



Bilsom Technology

GENERAL DATA

Division : Head Protection

Family : Hearing Protection

Range : Earmuffs

Line : Sound Management Earmuffs

Brand formerly known as : BILSOM

Business Countries

United Kingdom

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 :

Hunting and Outdoor Shooting

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PRODUCT ADVANTAGES

Feature :

BLOCKS IMPACT NOISE TO A SAFE LEVEL

Impact Sport blocks impact noise from gun shots and heavy impact noise machines.

AMPLIFIES AMBIENT SOUND TO AVOID ISOLATION

Impact Sport's patented sound amplification enhances the wearer's awareness of their environment by amplifying ambient sounds, allowing them to hear important communication [co-workers, alarms/warning signals]. Sound amplification volume does not exceed 82 dB - response technology revert to passive hearing protector when noise reaches 82 dB.

SLIM CUP DESIGN

Slimest cups on the market for comfort when in position of shooting.

DIRECTIONALLY PLACED STEREO MICROPHONES

Provide more natural hearing. Ideal for hearing-impaired workers.

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 Impact series earmuffs.

SNAP-IN EAR CUSHIONS

Make replacement quick and easy.

Benefit :

The Impact Sport earmuff blocks harmful impact noise while enhancing user awareness of their environment through advanced sound amplification technology.

Impact Sport allows wearers to hear important communication - other co-workers, alarms and warning signals - at a safely amplified level.

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TECHNICAL DESCRIPTION

SNR (dB) : 25

H (dB) : 27

M (dB) : 22

L (dB) : 18

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)	15.1	15.7	19.1	22.9	27.0	24.4	38.4	40.9
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	4.5	3.0	3.1	2.9	2.3	3.3	3.0	3.4
Assumed Protection (dB) Angenommener (dB) Protection supposé (dB)	10.7	12.7	15.9	20.0	24.7	21.1	35.4	37.5

Earmuff Construction :

Metal

Other Material :

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

Dielectric : No

Color :

Black Headband and Dark Green Cups

Batteries Needed :

2AA

Battery Autonomy (hrs) :

350

Weight (grs) :

286

Design Patents :

Air Flow Control™

Headband Style :

Over-Head

Folding

Sound Amplification : Yes

AM/FM Radio : No

Automatic Shut-Off Function : Yes

Audio Input Jack : Yes

Hi-Visibility : No

ADDITIONAL INFORMATION

Accessories :

Hygiene kit Packed in a plastic bag, including two ear cushions and two dust covers. Ref # 1015280 for Impact Sport 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

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 :

90015878

EAN Code :

7312550103760

CERTIFICATION AND CONFORMITY

European Directives :

89/686/EEC

EC Category PPE* : Class 2

Standards :

EN-352-1:2002

Quality Assurance :

ISO 9001 / 2000

EC Certification Number :

23140S01

EC Attestation Number :

26271VSS01

Laboratory :

Finnish Institute of Occupational Health

*PPE : Personal Protective Equipment

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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: Impact Sport Earmuff

Reference: 1013530

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

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

26271VSS01

Delivered by:

Finnish Institute of Occupational Health

Department of Physics, Notified Body No. 0483

Topeliuksenkatu 41 a A

FIN-00250 Helsinki

Finland

Made at Finland, on the 10/23/2003

By:

Division: Head Protection

Stephan Gildes
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Finnish Institute of
Occupational Health

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

EC TYPE EXAMINATION CERTIFICATE

26271VSS01

for ear muff type hearing protector with level-dependent function
and auxiliary connection
as defined in EN 352-1:2001, EN 352-4:2002 and EN 352-6:2002

Bilsom Impact Sport

Bacou-Dalloz AB
Strandbandsvägen 15
SE-25229 Helsingborg
Sweden

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

Helsinki, 21 December 2006

Helena Mäkinen
Team Leader

Eero Korhonen
Senior Researcher

This certificate comprises 3 pages, of which this is the first one.

Finnish Institute of Occupational Health, Work Environment Development,
Protection and Product Safety, Notified Body No. 0403,
Topeliuksenkatu 41 a A, FI-00250 Helsinki, Finland



1. Applicant

Bacou-Dalloz AB
Strandbadsvägen 15
SE-25229 Helsingborg
Sweden

2. Description and identification of the product

Type: Electronic earmuff with level-dependent function radio and auxiliary connection

Name: Bilsom Impact Sport

Size range: Small, medium and large

Manufacturer: Bacou-Dalloz AB

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 standards EN 352-1:2001, EN 352-4:2001 and EN 352-6:2002 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

End of EC type examination certificate 26271VSS01.

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**Technical and other documentation regarding EC type examination certificate
26271VSS01**

Product name: Bilsom Impact Sport

Applicant: Bacou-Dalloz AB

<i>Item of documentation</i>	<i>Document identification</i>	<i>Remarks</i>
1. Application for the EC type examination	Application from Peter Franzén on 2006-12-20 by email	Adequate
2. Product drawing, construction, and material list	Product drawings and material list 1013530	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	2006-12-20	The applied harmonised standards EN 352-1:2001, EN 352-4:2001 and EN 352-6:2002 support the relevant requirements
3.2 FIOH test reports	26271T01, 2006-09-08 26271T02, 2006-10-30 26271T03, 2006-11-08	The product fulfils the requirement of EN 352-1:2002, EN 352-4:2001 and EN 352-6:2002
3.3 Draft information sheet	User instruction 20 from Peter Franzén on 2006-12-20	Fulfils the requirements
3.4 Product markings	Marking on the product	Fulfils the requirement
4. Description of the production quality system and related product control and test facilities	Test and Inspection plan, 2006-12-20	Contains adequate information

End of documentation list