



Product Family
Clarity Sound Management
Earmuff







Advanced Sound Management Technology for enhanced communication

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

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



Product Numbers & Ordering Information

	Product Numbers	Details
	8030964	BILSOM CLARITY C1 MUFF Product emphasized in an effective packaging designed for a self-service environment
	1029470	CLARITY™ C2 - Casque antibruit (compatible avec casque de chantier) Product emphasized in an effective packaging designed for a self-service environment
	1011142	Clarity C1 - headband earmuff SNR 25 H - 24 M - 22 L - 20
	1011143	Clarity C1F - folding earmuff SNR 26 H - 25 M - 24 L - 19
	1011262	Clarity C1H - helmet earmuff SNR 26 H - 26 M - 23 L - 19
	1011145	Clarity C2 - multiple-position earmuff SNR 30 H - 30 M - 29 L - 25



1011146

Clarity C3 - headband earmuff
SNR 33 H - 31 M - 32 L - 29



1011264

Clarity C3H - helmet earmuff
SNR 30 H - 28 M - 28 L - 24

Overview

Key Features

- Patented Sound Management Technology's uniform attenuation allows wearer to hear co-workers, instructions, and other important sounds more naturally while blocking out harmful noise
- Dielectric construction suitable for all workplaces, especially electrical environments
- Uniform headband pressure for all head sizes, providing better comfort for long-term wear
- Quick-Click height adjustment remains fixed during wear
- Snap-in ear cushions make replacement quick and easy

Recommended Industries/Use

- Chemical • Food Services • Forestry • Government • Law Enforcement • Manufacturing
- Medical • Military • Mining • Municipal Services • Oil and Gas • Pharmaceutical
- Steel and Metals • Transportation • Utilities • Welding • Wind Energy

Hazards

- Noise

Regulations

- 29 CFR 1910.95 - OSHA Occupational Noise Exposure (US)
- ANSI S3.19-1974 - Attenuation Test Protocol (US)
- Part II, (R.S.C. 1985, c. L-2) - Canada Labour Code
- Z94.2-1994 - Attenuation Test Protocol (CAN)
- 2003/10/EC - EU Hearing Directive
- 89/686/EEC - EC Product/PPE
- NOHSC: 1007 (2000) - National Standard for Occupational Noise (AUS/NZ)
- NR 15 - Security and Health of Work, Annexes 1 and 2, n°3.214/1978 - Occupational Noise Regulations (BR)
- ANSI S12.6/1997 - Method B - Attenuation Test Protocol (BR)

Historical Brand

Bilsom

Warranty Information

There is a one years guarantee against defects in material and workmanship. The guarantee does not cover damage caused by misuse, abuse or unauthorised modifications.

Specifications

Dielectric

- Yes

Headband Earmuff Features

- Uniform headband pressure for all head sizes, providing better comfort for long-term wear
- Inner-ventilated headband minimizes pressure on the head, breathes easier in warm/humid climates
- Non-deforming outer headband withstands rough treatment in the toughest workplaces

Folding Earmuff Features

- Convenient folding design for easy storage
- Folding Earmuff Belt Case also available

Helmet Earmuff Features

- For use with a wide range of hard hats • Earcups snap in place during use and swing back when not in use • Includes pair of hard hat adapters

Multiple-Position Earmuff Features

- Multiple-position headband allows wearer to select position over the head, behind the head or under the chin • Alternative to cap-mounted earmuffs – wear with hard hats, face shields, respirators and other PPE • Includes attached elastic headband strap for better positioning when worn behind the head or under the chin

Packaging

- Individual Box

EU Certifications

- European Directives – 89/686/EEC
- EC Category PPE – Category II
- *Please refer to individual product certifications.*

AUSNZ Certifications

- *Please refer to individual product certifications.*

Certifications

CE Certificate - Clarity C1

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/19952/1033.aspx

CE Certificate - Clarity C1

CE Certificate - Clarity C1F

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/19953/1033.aspx

CE Certificate - Clarity C1F

CE Certificate - Clarity C1H

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/44399/1033.aspx

CE Certificate - Clarity C1H Helmet Combinations 2010

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/44339/1033.aspx

CE Certificate - Clarity C1H Helmet Combinations 2010

CE Certificate - Clarity C2

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/19957/1033.aspx

CE Certificate - Clarity C2

CE Certificate - Clarity C3

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/19958/1033.aspx

CE Certificate - Clarity C3

CE Certificate - Clarity C3H

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/19959/1033.aspx

CE Certificate - Clarity C3H

CE Certificate - Clarity C3H Helmet Combinations

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/19960/1033.aspx

CE Certificate - Clarity C3H Helmet Combinations

 **EC Certificate - Earmuffs**

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/42687/1033.aspx

EC Declaration of conformity The manufacturer SPERIAN HEARING PROTECTION, LLC, 7828 Waterville Rd. San Diego, CA 92154 United States declares that the Personal Protective Equipment (PPE) items listed below, conform with the provisions of Council Directive 89/686/EEC and, where applicable, with the national standard, tr

Literature & Documents

 **EC Attestation Report - Clarity C1F**

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/19998/1033.aspx

EC Attestation Report - Clarity C1F

 **EC Attestation Report - Clarity C1H**

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/19999/1033.aspx

EC Attestation Report - Clarity C1H

 **EC Attestation Report - Clarity C3**

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Secured/Hearing_Protection/Earmuffs/20000/1033.aspx

EC Attestation Report - Clarity C3

Earmuff Instruction Poster - EN

http://www.honeywellsafety.com/Supplementary/Documents_and_Downloads/Hearing_Protection/Earmuffs/19757/1033.aspx



EG-Baumusterprüfbescheinigung

0301134

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:
2003 22877

Ausstellungsdatum:
26.03.2004

Produktbezeichnung: Kapselgehörschützer "Bilsom Clarity C1 F"

Typ: Clarity C1 F

Bestimmungsgemäße Verwendung: Kapselgehörschützer mit faltbarem 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
- EN 13819-1:2002
- EN 13819-2:2002

Zugehöriger Prüfbericht: 2003 22877 vom 26.03.2004

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 Oktober 1997.

Leiter der Zertifizierungsstelle


(Prof. Dr. rer. nat. Dietmar 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

0301134

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:
2003 22877

Date of Issue:
2004-03-26

Product designation: Ear-muff "Bilsom Clarity C1 F"

Type: Clarity C1 F

Intended purpose: Ear-muff with foldable 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
- EN 13819-1:2002
- EN 13819-2:2002

Test report: 2003 22877 as of 2004-03-26

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. Dietmar Reinert)

Certification officer


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



Department of Physics, notified by the Ministry of Social Affairs
and Health and identified under 0403 grants

EC TYPE EXAMINATION CERTIFICATE

25112ERS03

for hearing protector attached to industrial safety helmets
as defined in EN 352-3: 2002

Bilsom Clarity C1H

Bacou-Dalloz AB
25229 Helsingborg
Sweden

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

Helsinki, 06 September 2005

Jukka Starck
Director of the Department

Eero Korhonen
Senior researcher

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



1. Applicant

Bacou-Dalloz AB
Strandbadsvägen 15
SE-25229 Helsingborg
Sweden

2. Description and identification of the product

Type: Ear-muff hearing protector attached to industrial safety helmets listed in Appendix 2

Name: Clarity C1H

Manufacturer: Bacou-Dalloz AB

Picture of the product is on page 3.

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 standard EN 352-3:2002 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.

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
Appendix 2. List of helmets

End of EC type examination certificate 25112ERS03.



Technical documentation regarding EC type examination certificate 25112ERS03

Product name: Bilsom Clarity C1H

Applicant: Bacou-Dalloz AB

<i>Item of technical documentation</i>	<i>Document identification</i>	<i>Assessment</i>
1. Application for the EC type examination	Application 29 April 2005	Adequate
2. Product drawing, construction, and material list	Test report BIA Nr./No.: 200322879	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-	
3.1 FIOH assessment of relevant Directive basic requirements	2005-09-06	The applied harmonised standards EN 352 support the relevant requirements
3.2 FIOH test report	25112T01	The supplementary combinations listed in Appendix 2 fulfil the requirements
3.3 Draft information sheet	Test report BIA Nr./No.: 200322879	Fulfil the requirements
3.4 Product markings	Test report BIA Nr./No.: 200322879	Fulfil the requirements
4. Description of the production quality system and related product control and test facilities	Certificate WQA QM 1005, 2001-07-27, BS-ISO 9001:2000	The quality management system fulfils the requirements



Bilsom Clarity C1H attached to Bicapa Balance ABS helmet as basic combination and with the following helmets as supplementary combinations:

Helmet Brand / Model

Protector **600**
Protector **300**
Protector **Tuffmaster (HC-41)**
Bicapa **Balance ABS**
Bicapa **Balance AC**
Bicapa **Robust**
Peltor **G2000**
Peltor **G22C**
Peltor **G3000**
Auboueix **Brennus**
Auboueix **Fondélec**
Centurion **1100**
Centurion **1125**
Centurion **Concept**
JSP **Mk2**
JSP **Mk3**
JSP **Mk6**
JSP **Mk7**
LAS (Lasoguard) **LP2002**
LAS **LP2010 Terano**
LAS **LP2014 Saturno**
MSA **Super V-guard II**
MSA **V-guard**
Shubert **BER 80**
Shubert **BER S**
Shubert **SH91**
VOSS **INAP STAR**



EG-Baumusterprüfbescheinigung

0301137

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(Auftraggeber) Bacou Dalloz AB
Box 550
S-26050 Billesholm
Schweden

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

Zeichen des Auftraggebers:

Zeichen der Prüf- und Zertifizierungsstelle:
2003 22880

Ausstellungsdatum:
05.05.2004

Produktbezeichnung: Kapselgehörschützer Bilsom Clarity C2

Typ: Clarity C2

Bestimmungsgemäße
Verwendung: Kapselgehörschützer mit Universalbügel / 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

Zugehöriger Prüfbericht: Nr. 2003 22880 vom 05.05.2004

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 Oktober 1997.

Leiter der Zertifizierungsstelle


.....
(Prof. Dr. rer. nat. Dietmar 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

0301137

No. of certificate

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

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

Ref. of customer:

Ref. of Test and Certification Body:
2003 22880

Date of Issue:
2004-05-05

Product designation: Ear-muff Bilsom Clarity C2

Type: Clarity C2

Intended purpose: Universal ear-muff / 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

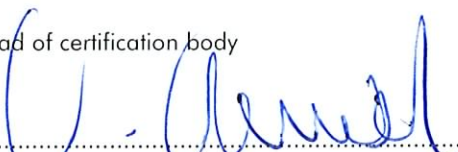
Test report: No. 2003 22880 as of 2004-05-05

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. Dietmar Reinert)

Certification officer


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