



**PRODUCT NUMBER: 1011262**  
**Clarity C1H Helmet Earmuff**  
**[3711, 3712, 3721 Adapters]**

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

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**Honeywell**  
 HOWARD  
 LEIGHT

## Overview

**Reference Number**

1011262

**Product Type**

Hearing Protection

**Range**

Earmuffs

**Line**

Sound Management 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**

Sound Management Earmuff

For construction workers

## Features & Benefits

**Feature**

**SOUND MANAGEMENT TECHNOLOGY** Enhances on-the-job communication through uniform attenuation. Clarity blocks noise while voice, signal, alarm and other high frequencies can be heard more naturally, with less distortion, combating overprotection and worker isolation. **DIELECTRIC/PLASTIC CONSTRUCTION** Clarity's robust nondeforming dielectric construction withstands use and abuse, while protecting your workers in electrical environments. **QUICK CLICK HEIGHT**

ADJUSTMENT Height adjustment remains fixed during wear. SNAP-IN EAR CUSHIONS Make replacement quick and easy.  
FOR USE WITH WIDE RANGE OF HELMETS ADAPTERS 3711, 3712, 3721 AVAILABLE

#### Benefit

The patented Clarity Sound Management technology improves worker safety by blocking noise, while voice and signal frequencies can be heard more naturally. Clarity earmuffs provide uniform attenuation that allows speech frequencies to be heard with less distortion - combating worker isolation and overprotection on the job. Plus, Clarity's robust non-deforming dielectric design withstands use and abuse, while protecting workers in electrical environments.

## Technical Description

#### SNR (dB)

26

#### H (dB)

26

#### M (dB)

23

#### 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) 12.9 15.3 22.1 24.6 24.5 29.5 29.3 33.5 Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB) 4.0 3.0 3.0 2.6 2.9 2.7 3.2 Assumed Protection (dB) Angenommener (dB) Protection supposée (dB) 8.9 12.3 19.1 22.3 21.9 26.6 26.6 30.3

#### Earmuff Construction

Plastic [or Dielectric]

#### Other Material

POM, TPE, PP, PUR-E, PVC/Polyether

#### Dielectric

Yes

#### Color

Helmet Headband, Attachment knob are black / Cup is Light Metallic blue / Liner is grey / Rim and Ear Cushion are black

#### Batteries Needed

None

#### Weight (grs)

177

#### Design Patents

Clarity Sound Management Technology

#### Headband Style

Helmet-Mounted

#### 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

0301136, 25112ERS03 Rev. 1

**EC Attestation**

EC Attestation

**EC Attestation Number**

200322879

## Additional Information

**User Manual**

Instruction Manual - C1H (global)

## 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**

Adapters - For helmet attachment. Ref. # 1000242 for 3711, Ref. # 1000243 for 3712, Ref. # 1005292 for 3721

Hygiene Kit - Packed in a plastic bag, including two ear cushions and liners. Ref. # 1006080 for C1, C1H, C1F

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**

7312550112427





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 CIH 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**





## 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: Clarity C1H Helmet Earmuff [3711, 3712, 3721 Adapters]

Reference: 1011262

Standard(s): EN-13819-1:2002, EN-352-3:2002

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

0301136, 25112ERS03 Rev. 1

**Delivered by:**

BIA-IFA

Alte Heerstraße 111

D-53757 SANKT AUGUSTIN

Germany

Drawn up in Germany, on the 12/08/2019

**By:**

**Division:** Hearing Protection

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