



**PRODUCT NUMBER: 3302152**  
**QM24+ Earmuff**

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

>



## Overview

**Reference Number**

3302152

**Product Type**

Hearing Protection

**Range**

Earmuffs

**Line**

Noise Blocking Earmuffs

**Brand**

Howard Leight by Honeywell

**Brand formerly known as**

HOWARD LEIGHT

**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**

Noise Blocking Earmuff

## Features & Benefits

### Feature

Dielectric Design Usable in work environments with electricity. Low Weight Light makes all-day wear more comfortable. Broad Ear Cushions Comfort for all sizes and headband positions.

### Benefit

Sets new records for value for money hearing protection.

## Technical Description

### SNR (dB)

25,26,25

### H (dB)

30,29,30

### M (dB)

23,23,22

### L (dB)

14,15,14

### Attenuation Data

H=30 M=23L=14BEHIND HEAD SNR 25dBFrequency (Hz)Frequenz (Hz)Fréquence (Hz)  
631252505001000200040008000Mean Attenuation (dB)Mittlere Dämmung (dB)Atténuation moyenne (dB)  
10.511.315.924.332.632.932.534.5Standard Deviation (dB)Standardabweichung (dB)Déviation standard (dB)  
4.53.82.62.74.33.73.93.3Assumed Protection (dB)Angenommener (dB)Protection supposé  
(dB)6.07.513.321.628.329.228.631.2H=29 M=23L=15OVER HEAD SNR 26dBFrequency (Hz)Frequenz (Hz)Fréquence (Hz)  
631252505001000200040008000Mean Attenuation (dB)Mittlere Dämmung (dB)Atténuation moyenne (dB)  
14.010.616.224.131.231.431.435.4Standard Deviation (dB)Standardabweichung (dB)Déviation standard (dB)  
3.92.92.53.23.22.73.03.6Assumed Protection (dB)Angenommener (dB)Protection supposé  
(dB)10.17.713.720.928.028.728.431.8H=30 M=22L=14UNDER CHIN SNR 25dBFrequency (Hz)Frequenz (Hz)Fréquence (Hz)  
631252505001000200040008000Mean Attenuation (dB)Mittlere Dämmung (dB)Atténuation moyenne (dB)  
13.411.316.123.329.732.532.633.9Standard Deviation (dB)Standardabweichung (dB)Déviation standard (dB)  
5.44.63.03.92.52.63.43.9Assumed Protection (dB)Angenommener (dB)Protection supposé  
(dB)8.06.713.119.427.229.929.230.0

### Earmuff Construction

Plastic [or Dielectric]

### Dielectric

Yes

### Color

Black and Red

### Batteries Needed

None

### Weight (grs)

300

### Headband Style

Multiple-Position

### 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**

981047

**EC Attestation**

EC Attestation

**EC Attestation Number**

9601153

## Additional Information

**User Manual**

Earmuff Instruction Poster - EN

## 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**

Hygiene kit -

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