3M™ Premium Ear Muff 1450 is a high comfort, durable, cap mounted hearing protector for relief from noise in environments where exposures do not exceed 110dB(A) $L_{Aeq, 8Hour}$

### Features
- Unique spring design enables equal tension regardless of head sizes
- Fits a variety of safety helmets
- Designed to avoid echo noise problems in resting position
- 2-point mounting system for better pressure distribution and easy manipulation
- Unique injection moulded inserts for optimal attenuation

### Specifications
- Tested for mechanical and sound attenuation characteristics in accordance with AS/NZS 1270
- AS/NZS 1270 Class 5
- SLC$_{80}$ Rating = 27dB. See table below.
- Weight: 218g
- Materials of construction:
  - Arm - Acetal and steel
  - Cup - ABS
  - Insert - Polyurethane
  - Cushion - PVC

### Real-ear attenuation values (dB) at designated frequencies (Hz)

<table>
<thead>
<tr>
<th></th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
<th>8000</th>
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</thead>
<tbody>
<tr>
<td>Mean</td>
<td>15.2</td>
<td>18.7</td>
<td>26.2</td>
<td>29.4</td>
<td>33.2</td>
<td>37.8</td>
<td>39.9</td>
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<tr>
<td>SD</td>
<td>2.5</td>
<td>3.5</td>
<td>4.6</td>
<td>3.7</td>
<td>2.9</td>
<td>4.1</td>
<td>6.9</td>
</tr>
<tr>
<td>Mean-SD</td>
<td>12.7</td>
<td>15.2</td>
<td>21.6</td>
<td>25.7</td>
<td>30.3</td>
<td>33.6</td>
<td>33.0</td>
</tr>
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</table>

### Accessories
- **3M™ Ear Muff Replacement Parts Kit, 10 Kits/case**
  - Product Code: 1442
  - 3M Order Code: XH003405723
**PRODUCT INFORMATION SHEET**

**Fitting**

1. **Assembly**
   - Insert the tongue of the ear muff into the slot, located at the side of the helmet.

2. **Working Position**
   - Adjust the cups aligning the height of the cups making sure the cup covers the entire ear. Be careful that the cushions seal firmly against the head with no interference from objects such as respirator headbands or arms of glasses, in order to obtain the best performance.

3. **Resting Position**
   - Pull the ear muff away from the ear until it locks into position. In the resting position the distance from the ear is far enough to prevent “echo noise” when communicating. In noisy surroundings, always wear the ear muffs in working position.

4. **Parking Position**
   - To store the ear muffs on the helmet, just pull them into resting position. Then rotate the ear muffs upwards until they lock again. The cushions will not be damaged and the muffs can dry while in this position.

5. **Storage**
   - When not in use, pull down the ear muffs and press inwards. Store the ear muffs somewhere clean and dry at normal room temperature in an uncontaminated area where they are unlikely to be damaged.

**Maintenance**

- At the end of each shift the cushions of the ear muffs should be wiped with the 3M 504 respirator cleaning wipes so they may remain clean and hygienic.
- Ear muffs, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for signs of damage. If this is discovered the cushion should be removed from the earcup and replaced. Inspect the earcup for damage and cracking. If this is found, the earcup should be replaced. Finally check the arm to ensure it is flexible and still maintains sufficient force to hold the earcups firmly to the side of the head.
- If the ear muff cannot be cleaned or a damaged component cannot be replaced, dispose of the ear muffs and obtain a new pair.
- The cushions and inserts may be removed when they become dirty or damaged and replaced by new parts from the 3M Ear muff Replacement Parts Kit 1442.

**WARNING!**

1. The arms are made of Acetal and the cushions are made of PVC. This product may be adversely affected by certain chemical substances. For further information contact 3M.
2. Ear muffs and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and leakage, for example, at the start of every shift.
3. Where the $L_{Aeq, 8hr}$ is greater than or equal to 110dB(A), if the noise is narrow band in character with significant tonality or has significant high or low frequency components or exhibits other complexities, then the octave band method of selecting hearing protection should be used as described in AS/NZS 1269.3:2005.
4. All hearing protectors should be used in accordance with Australian/New Zealand Standard AS/NZS 1269.3:2005.

**How to contact us**

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Phone 1800 024 464

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Phone 1300 363 565
Fax 1800 656 222

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Phone 136 136

World Wide Web
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