

# 3M™ Peltor™ X Series Headband Earmuffs

Technical Data Sheet



## Product Description

Historically higher attenuating earmuffs meant larger and bulky cups, but no longer. The 3M™ PELTOR™ Earmuffs X4 can attenuate by as much as 31dB whilst maintaining a sleek, low profile aesthetically pleasing design.

Using the same innovative technology, the 3M™ PELTOR™ X5 remains relatively lightweight with excellent balance and wearer comfort despite the larger cups, providing ratings as high as SLC80 35dB.

## Applications

The 3M™ Peltor™ X Series earmuffs are ideal for protection against noise arising from a wide range of applications in the workplace and leisure activity. Examples of typical applications include airports, construction, manufacturing as well as mining and utilities.

## Features

- Modern, attractive low-profile design
- Lightweight
- Testable with the 3M™ E-A-Rfit™ Validation System
- Twin headband design for outstanding balance and comfort
- Electrically-insulated wire headband (dielectric)
- Soft wide cushions help maintain a comfortable pressure around the ears
- Innovative foam earcup inserts and spacers that help improve attenuation
- New ear cushion foam technology for an effective acoustic seal and reliable protection
- Easy-to-replace cushions and inserts help keep them clean
- Hard hat-attached version fits directly to many hard hats without an adapter

## Standards

The X4 series earmuffs were tested in accordance with AS/NZS 1270:2002 and met the requirements of hearing protectors.

The product has been tested by an accredited laboratory in accordance with the requirements in AS/NZS 1270.



X4A Headband



X5A Headband

### Specifications

|                                    |   |
|------------------------------------|---|
| Headband and headband cover/sleeve | Stainless steel wire, TPE, Polyester, Polypropylene, Acetal |
| Earcups ABS/TPU                    | Earcups ABS/TPU   |
| Earcup Inserts PU Foam             | Earcup Inserts PU Foam                                      |
| Earcup Cushions and Cushion Covers | PU Foam and PVC   |

## Fitting Instructions

- Remove hair or any obstruction from underneath the cushion.
- If spectacles are worn, cushions must be soft and subtle to ensure seal. If safety spectacles are worn in combination a thin side arm spectacle is preferable.

## Storage

- Store in an area free of contamination.
- Do not leave your hearing protection device in areas or locations where it can be exposed to damage or contamination.
- Sunlight is particularly damaging as UV light can have a detrimental effect on the materials used in the product.
- Chemical contamination can also have a serious effect on product integrity and decontamination after use is recommended.
- If the product is to be disposed of, it should be disassembled and disposed of as solid waste. Please see local authority

## 3M™ Peltor™ 3M™ Peltor™ X Series Headband Earmuffs

### Laboratory Attenuation Tables

#### X4A Headband Earmuffs

| Class 5                            | SLC80 31dB |      |      |      |      |      |      |
|------------------------------------|------------|------|------|------|------|------|------|
| Frequency (Hz)                     | 125        | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| Mean Attenuation (dB)              | 18.3       | 19.2 | 28.1 | 39.2 | 38.1 | 43.7 | 43.1 |
| Standard Deviation (dB)            | 5.1        | 2.9  | 3.7  | 4.8  | 3.1  | 4.8  | 5.2  |
| Mean minus Standard Deviation (dB) | 13.2       | 16.3 | 24.4 | 34.4 | 35.0 | 38.9 | 37.9 |

#### X5A Headband Earmuffs

| Class 5                            | SLC80 35dB |      |      |      |      |      |      |
|------------------------------------|------------|------|------|------|------|------|------|
| Frequency (Hz)                     | 125        | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| Mean Attenuation (dB)              | 23.2       | 25.3 | 35.8 | 43.8 | 39.7 | 41.5 | 40.7 |
| Standard Deviation (dB)            | 4.0        | 3.4  | 4.5  | 3.0  | 3.8  | 3.5  | 3.9  |
| Mean minus Standard Deviation (dB) | 19.2       | 21.9 | 31.3 | 40.8 | 35.9 | 38.0 | 36.8 |

### Fitting Instructions

Performance will be reduced by anything that impairs the seal of the cushions against the head eg. thick spectacle frames, balaclavas, etc.

The reported attenuation (noise reduction) will only be obtained if the earmuffs are in good working order and worn as directed.

### Storage

Hearing protectors should be inspected prior to use for damage or deterioration. Damaged or worn parts should be replaced prior to use.

Regular cleaning using warm water and soap. Components should be dried prior to use. Mild detergent and hygiene wipes can be used on this product, however some products may harden or damage the cushion.

Hygiene kit/cushions should be replaced when the cushion show signs of damage or hardening.

### Ordering Information

| Model      | Description                            | 3M ID       |
|------------|--|-------------|
| X4A        | Headband Earmuffs X Series Light Green | XA007707947 |
| X5A        | Headband Earmuffs X Series Black/Gray  | UU008197848 |
| HYX4       | Replacement Hygiene Kit for X4 Earmuff | XA007707608 |
| HYX5       | Replacement Hygiene Kit for X5 Earmuff | XA007707616 |
| 393-3005-2 | X4/X5 EARfit Probed Test Cushions      | 70071691136 |



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**WARNING! Hearing Protection Products\***  
These hearing protectors help reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury. For proper use, see supervisor, User instructions, or call 3M TechAssist Helpline 1800 024 464.