

Technical Datasheet

3M™ Peltor™ H9 Series

Product Description

The 3M™ Peltor™ H7 range of passive earmuffs are available in headband, neckband, foldable or helmet mounted version. These products are designed to provide moderate level of attenuation that meets the needs of the majority of industrial applications. When correctly selected and worn these products help reduce exposure to hazardous levels of noise and loud sounds. The helmet mounted version is designed to fit a wide range of industrial safety helmets (see below for further details).

Applications

The 3M™ Peltor™ H7 range of passive 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:-

- Agriculture
- Automotive
- Chemical & pharmaceutical manufacture
- Construction
- Light engineering
- Metal processing
- Woodworking

Key Features

- Modern, stylish slim line cup design
- Liquid sealing rings for improved comfort
- Unique low profile headband design helps maintain constant pressure thus providing confidence in protection
- Large space inside cup helps reduce moisture and heat build-up
- Soft wide cushions helps reduce pressure around the ears and improves comfort and wearability
- Easy to replace cushions and inserts helps keep them hygienically clean
- Easy to understand attenuation symbol to help ensure correct product selection
- Helmet mounted version fits directly to many industrial safety helmets without the need for an adapter

Standard & Approval

Hearing protector class 4 tested to AS/NZS 1270:2002. When selected, used and maintained as specified in AS/NZS 1269.3:2005, this protector may be used in noise up to 105 dB(A) assuming an 85 dB(A) criterion. A lower criterion may require a higher protector class. Improper fit of this device will reduce its effectiveness in attenuating noise. Consult the fitting instructions illustrated on this dispenser for proper fit.

Materials

The following materials are used in the manufacture of this product.

| | Component | Material |
|---|----------------------------|-----------------------------------|
| Headband, Neckband and Foldable version | Headband/Neckband/Foldable | Stainless Steel Wire, PVC, Acetal |
| | Headband padding | PVC |
| | Cups | ABS |
| | Inserts | Polyether |
| | Cushions | Polyether |
| | Cushion cover | PVC |
| | Helmet mounted version | Helmet attachment arm |
| Cups | | ABS |
| Inserts | | Polyether |
| Cushions | | Polyether |
| Cushion cover | | PVC |



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Attenuation Data Australia /New Zealand

PELTOR™ H9A Headband

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|-----|------|------|------|------|------|------|
| Mean Attenuation dB | 8.2 | 12.8 | 25.3 | 33.6 | 28.9 | 30.1 | 32.3 |
| Standard Deviation dB | 3.8 | 3.9 | 4.1 | 3.7 | 3.5 | 3.1 | 5.4 |

SLC_{90'}: 24dB Class 4

PELTOR™ H9B Neckband & DI-electric Neckband

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|-----|------|------|------|------|------|------|
| Mean Attenuation dB | 9.6 | 13.2 | 23.3 | 33.3 | 32.1 | 31.9 | 31.8 |
| Standard Deviation dB | 3.8 | 3.4 | 5.3 | 5.3 | 5.3 | 3.0 | 3.8 |

SLC_{90'}: 24dB Class 4

PELTOR™ H9P3E & H9P3G Helmet Attachment

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|-----|------|------|------|------|------|------|
| Mean Attenuation dB | 9.9 | 13.2 | 23.5 | 31.3 | 33.8 | 31.3 | 29.6 |
| Standard Deviation dB | 2.9 | 4.2 | 3.5 | 3.5 | 3.5 | 3.4 | 4.2 |

SLC_{90'}: 24dB Class 4



Occupational Health
and Environmental
Safety Division

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