



## 3M™ Peltor™ H505B Welding Helmet Ear Muff

### Product Description

The 3M™ Peltor™ H505B Welding Helmet Ear Muff, available in neck band version only, is designed to be used with welding shields in particular the 3M™ Speedglas™ 9100. These ear muffs provide moderate level of attenuation that meets the needs of most welding industry applications. When correctly selected and worn these products help reduce exposure to hazardous levels of noise and loud sounds.

### Key Features

- Modern, stylish slim line cup design
- Liquid sealing rings for improved comfort
- Neckband design helps improve compatibility with other protective equipment
- Relatively 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

### Applications

3M™ Peltor™ H505B Welding Helmet Ear Muff, although ideal for use in the welding industry, can also be used in a wide range of other industrial application to protect against hazardous noise and loud sounds.

Examples of typical applications include:

- Welding Industry
- Agriculture
- Automotive Construction
- Chemical & pharmaceutical manufacture
- Light engineering
- Woodworking

### Standard & Approval

3M™ Peltor™ H505B Welding Helmet Ear Muff is tested to AS/NZS 1270:2002 and CE approved against the European Standard EN352-1:2002. This product meets the Basic Safety Requirements as laid out in Annex II of the European Community Directive 89/686/EEC. This product has been examined at the design stage by the Finnish Institute of Occupational Health (FIOH), Topeliuksenkatu 41aA, FIN-00250 Helsinki, Finland (Notified Body number 0403).

### Materials

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

Component	Materials
Headband	Stainless Steel wire, PVC and Acetal
Cups	ABS and TPE
Insert	Polyether
Cushions	Polyether and Glycerine
Cushion cover	PVC
Head strap	Polyester

### Product Range



3M™ Peltor™  
H505B Welding  
Helmet Ear Muff

## Attenuation values

### 3M™ Peltor™ H505B Welding Helmet Ear Muff

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	11.1	13.4	20.4	26.0	31.7	37.4	36.2
SD (dB)	4.7	4.4	4.5	4.5	5.2	5.6	5.5
Mean - SD (dB)	6.4	9.0	15.9	21.5	26.5	32.2	30.7

SLC(80) = 22dB

Class = 4

## Accessories/Replacement

The 3M™ Peltor™ HY55 and 3M™ Peltor™ HY100A-01 Hygiene Pads can be placed on the cushions to help absorb moisture and sweat.

## Key

Mean = Mean attenuation value derived from testing in accordance with AS/NZS 1270:2002

SD = Standard Deviation derived from testing in accordance with AS/NZS 1270:2002

Mean - SD = Mean attenuation value minus Standard Deviation

SLC(80) = Single number rating commonly used in Australia and New Zealand to compare acoustic performance of hearing protectors. The subscript '80' indicates that in well-managed hearing protector programs, the protection provided is expected to equal or exceed the SLC(80) in 80% of protector-wearer noise spectrum combinations

Class = A simplified process for selecting hearing protectors based on the wearers 8-hour equivalent continuous A-weighted sound pressure level

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### Important Notice

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