

3M™ E-A-R™ Ultrafit™ Metal Detectable Earplugs



Product Description

The E-A-R™ Ultrafit™ metal detectable reusable earplugs are designed for insertion into the ear canal to help reduce exposure to hazardous levels of noise and loud sound. These products are available in a corded format.

Key Features

- Unique patented tri-flange design
- Metal detectable- both ear tip and cord
- Visible blue colouration for ease of detection
- Longer stem helps make insertion easier
- Made from soft and durable material
- One size fits the majority of wearers
- Compatible with 3M™ E-A-Rfit validation system
- Easy to wash and clean
- Supplied in re-sealable pillow-pack for ease of use

Applications

The E-A-R™ Ultrafit™ metal detectable earplugs are ideal for moderate noise exposure levels, and are specifically designed for the food and pharmaceutical industry.

Standard & Approval

These hearing protectors have been produced to comply with the requirements of the Australian /New Zealand Standard AS/NZS 1270:2002 under an agreed production certification scheme operated during manufacture in accordance with the SAI Global StandardsMark programme.

These products have been tested and CE approved against the European Standard EN352-2:1993. These products meet the Basic Safety Requirements as laid out in Annex II of the European Community Directive 89/686/EEC and have been examined at the design stage by INSPEC International Limited, 56 Leslie Hough Way, Salford, Greater Manchester M6 6AJ, UK (Notified Body number 0194).

Materials

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

Component	Material
Earplugs	Silicone rubber with 2mm steel ball bearing
Cord	Solid polymer with metal inclusions



Attenuation values

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	19.1	18.9	21.2	20.5	28.9	32.1	36.3
SD (dB)	8.1	8.1	9.3	5.7	6.8	10.6	11.0
Mean - SD (dB)	11.0	10.8	11.9	14.8	22.1	21.5	25.3

SLC(80) = 18dB

Class 3

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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