

3M™ E-A-R™ Push Ins™ Push-to-Fit Earplugs

Technical Data Sheet

Product description

The E-A-R™ Push-Ins™ earplugs are designed for insertion into the ear canal to help reduce exposure to hazardous levels of noise. Designed with an insertion stem and foam tip, no roll down is required to fit these earplugs. Just hold the fitting stem and glide the foam ear tip into the ear canal for a snug fit.



Features

- No roll-down required
- Insertion stem helps eliminate the need to touch the ear tip prior to or during ear tip insertion
- E-A-Rform™ foam has a skin that helps make the foam ear tip more easily slide into the ear canal
- One size fits the majority of wearers
- Compatible with E-A-Rfit™ Dual Ear Validation System
- Available in both corded and uncorded versions

Applications

The E-A-R™ Push-Ins™ earplugs are ideal for a wide range of industrial workplace and leisure environments. Examples of typical applications include:

- Mining
- Automotive
- Chemical & pharmaceutical manufacture
- Construction
- Heavy engineering
- Metal processing
- Rock concert
- Textile manufacture
- Woodworking

Standards

These hearing protectors have been produced to comply with the requirements of the Australian /New Zealand Standard AS/NZS 1270:2002.

Laboratory Attenuation Values

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	25.4	24.0	24.7	25.9	34.2	36.0	37.0
SD (dB)	9.1	8.2	8.4	7.4	4.8	4.7	5.7
Mean - SD (dB)	16.3	15.8	16.3	18.5	29.4	31.3	31.3

SLC₈₀ 23dB (Class 4)

3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user.

Hearing protector Class 4 tested to AS/NZS 1270. When selected, used and maintained as specified in AS/NZS 1269, this protector may be used in noise 100 dB(A) to less than 105dB(A), assuming an 85dB(A) criterion.

A lower criterion may require a higher protector class.

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

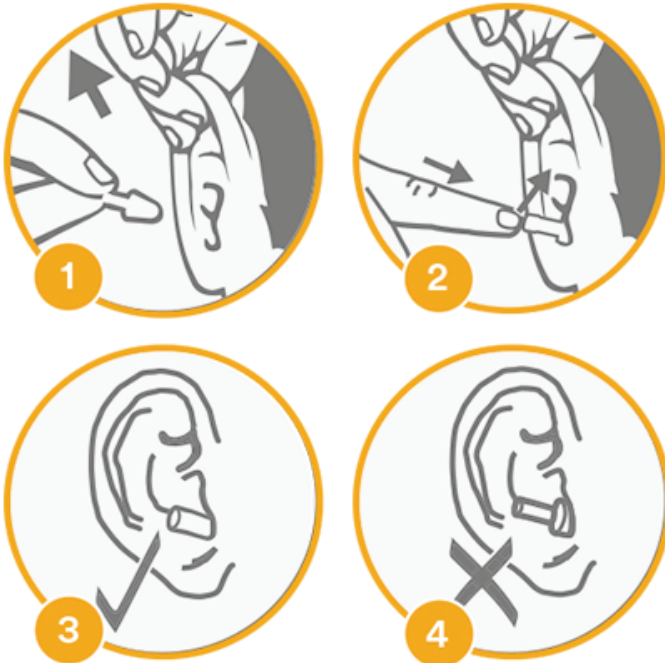
SLC80 = Single number rating commonly used in Australia and New Zealand to compare acoustic performance of hearing protectors. The subscript '80' indicates that in well managed hearing protector programs, the protection provided is expected to equal or exceed the SLC80 in 80% of protector-wearer noise spectrum combinations.

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

Fitting Instructions

1. INSERT rounded ear tip into ear canal WHILE PULLING ear outward & upward with opposite hand. ADJUST for greatest noise reduction.
2. CHECK FIT after inserting earplug
3. PULL earplug stem gently. Earplug should not come out of the ear easily. If it does, remove earplug & repeat fitting.
4. LISTEN to steady loud noise with earplugs in both ears. Cover ears with tightly cupped hands. Noise should sound about the same whether or not ears are covered.
5. WIPE earplugs with a clean cloth when dirty.
6. REPLACE if earplugs are damaged or when they are no longer soft and pliable.

CAUTION: For greater comfort and safety, remove earplug slowly with twisting motion to gradually break the seal.



Materials

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

Component	Material
Earplugs	Polyurethane foam
Stem	PVC
Cord	PVC

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 the product is made from.

Chemical contamination can also have a serious effect on product integrity and decontamination after use is recommended.

Use a suitable storage container especially if left in a vehicle. This will protect the hearing protection device from damage and extend its working life.

Ordering Information

3M Order Code	Model #	Description
70071515673	318-1002	3M™ E-A-R™ Push-Ins™ Uncorded
70071515707	318-1003	3M™ E-A-R™ Push-Ins™ Corded
70071562766	393-2002-50	3M™ E-A-R™ Push-Ins™ Probed Test Plug

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 46.

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