

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

Technical Data Sheet

Product description

The unique cone shape of E-A-R™ Push Ins™ with Grip Rings fits a wide range of ear canal sizes and helps make insertion easier.

Features

- Foam ear tip does not need to be touched to prepare for insertion; use stem to push ear plug into the ear canal
- Insertion stem helps guide the ear tip into the ear canal
- Cone shape conforms quickly to most ear canals
- Vibrant bright colour
- Supplied in polybag
- Available in both corded and uncorded versions
- Compatible with 3M™ E-A-Rfit™ Dual Ear Validation System

Applications

The E-A-R™ Push Ins™ with Grip Rings earplugs are ideally suited in a wide range of industrial workplace and leisure environments. Examples of typical applications include:

- Automotive
- Chemical & pharmaceutical manufacture
- Construction
- Heavy engineering
- Metal processing
- 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	22.2	25.6	27.9	32.3	38.2	39.8
SD (dB)	9.4	8.4	9.4	9.1	6.8	8.6	7.8
Mean-SD (dB)	15.9	13.8	16.2	18.8	25.5	29.6	32.0

SLC₈₀ 22dB (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.

Materials

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

Component	Material
Earplug	Polyurethane foam
Cord	PVC
Fitting Stem	Thermoplastic elastomer

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
70071515657	318-1008	3M™ E-A-R™ Push-Ins™ With Grip Rings Uncorded
70071515681	318-1009	3M™ E-A-R™ Push-Ins™ With Grip Rings Corded
70071650298	393-2015-50	3M™ E-A-R™ Push-Ins™ with Grip Rings Probed Test Plugs

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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