

3M™ Pistonz™ Push-to-Fit Earplugs

Technical Data Sheet

Product description

3M™ Pistonz™ Earplugs feature a specially formulated ultra soft foam ear tip to help with comfort and a stem designed to have the right amount of firmness to help with ear tip insertion. With a metallic appearance, these earplugs are a unique option for users who want to stand out.

Features

- Unique piston-shaped ear tip design fits most ear canals
- No need to touch the ear tips during earplug insertion, helping to keep ear tips stay clean longer
- Insertion stem helps eliminate the need to touch the tip when fitting
- Available in both corded and uncorded versions

Applications

3M™ Pistonz™ earplugs are ideal for a wide range of industrial workplace and leisure environments. Examples of typical applications include:

- Automotive
- Body shop repair
- Construction
- Textile manufacture
- Chemical & Pharmaceutical manufacture
- Woodworking
- Engineering & Metal Fabrication

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)	24.3	24.8	26.5	26.0	31.5	41.2	44.4
SD (dB)	4.7	4.7	4.7	5.7	4.8	5.9	5.4
Mean - SD (dB)	19.6	20.1	21.8	20.3	26.7	35.3	39.0

SLC₈₀ 25dB (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 100dB(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
Ear tips	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
70071561487	P1400	3M™ Pistonz™ Uncorded
70071561495	P1401	3M™ Pistonz™ Corded

3M™ E-A-Rfit™ Dual-Ear Validation System Test Probe

Not available

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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3M Australia Pty Ltd
Personal Safety Division
Bldg A, 1 Rivett Road
North Ryde NSW 2113

TechAssist Helpline 1800 024 464
Customer Service 1300 363 565
Email techassist@mmm.com
Web www.3M.com.au/ppesafety

3M New Zealand Ltd
Personal Safety Division
94 Apollo Drive, Rosedale
Auckland 0632

TechAssist Helpline 0800 364 357
Customer Service 0800 252 627
Email 3mnzibt@mmm.com
Web www.3M.com.nz/ppesafety

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