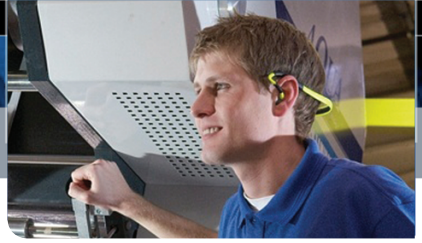


Technical Datasheet
E-A-R™ Classic™ Roll-Down Earplugs

Product Description

The E-A-R™ Classic™ roll-down 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 corded and uncorded version.

The Uncorded version is also available in One Touch™ Dispenser format.

Key Features

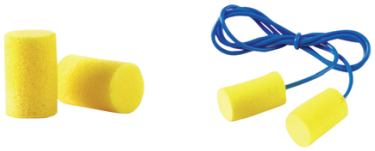
- Proprietary soft energy absorbing polymer foam
- Firm material with slow recovery time helps achieve good fit
- Compatible with 3M™ E-A-Rfit validation system
- Special cylindrical shape that fits most ear canals and provides reliable seal
- Low equilibrium pressure helps reduce pressure in ear canal thus increasing comfort and wearability
- Exposed cell surface texture resists movement and helps maintain effective seal
- Excellent sound attenuation characteristics
- Supplied in re-sealable pillow-pack for ease of use
- Sweat and humidity resistant which helps improve comfort- ideally suited for use in hot and humid conditions
- Available in both corded and uncorded version

Attenuation values

Corded

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	19.0	19.0	25.1	23.9	30.7	37.0	39.3
SD (dB)	6.7	5.1	7.9	7.5	6.9	5.5	9.0
Mean - SD (dB)	12.3	13.9	17.2	16.4	23.8	31.5	30.3

SLC(80) = 21dB Class 3



Uncorded

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	19.8	20.6	27.8	27.4	31.0	38.7	41.2
SD (dB)	9.2	8.6	7.3	8.7	6.3	6.1	9.2
Mean - SD (dB)	10.6	12.0	20.5	18.7	24.7	32.6	32.0

SLC(80) = 23dB Class 4

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.

Applications

The E-A-R™ Classic™ is ideal for moderate to high noise levels, and is particularly suited for high frequency noise in both workplace and leisure environment. Examples of typical applications include:

- Mining
- Automotive
- Chemical & pharmaceutical manufacture
- Construction
- Light engineering
- Metal processing
- Textile manufacture
- Woodworking

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.

The E-A-R™ Classic™ is tested and CE approved against the European Standard EN352-2:1993. The product meets the Basic Safety Requirements as laid out in Annex II of the European Community Directive 89/686/EEC and has 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	Slow recovery polymer foam
Cord	Polymer

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