

# Technical Datasheet

## E-A-R™ Express™ Earplugs

Corded EX-01-001  
Uncorded EX-01-002



### Product Description

The E-A-R™ Express™ pod earplugs are designed for insertion into the ear canal to help reduce exposure to hazardous levels of noise and loud sound. This product is available in corded and uncorded versions.

### Key Features

- Unique pod design
- Foam tip which is shaped and sized to mould comfortably thus providing an effective seal
- No roll-down required
- Insertion stem helps eliminate the need to touch the tip when fitting
- One size fits the majority of wearers
- Washable and reusable
- Supplied in a re-sealable pillow-pack for ease of use
- Available in both corded and uncorded versions

### Applications

The E-A-R™ Express™ earplugs are ideal for moderate to high noise exposure levels, and are ideally suited for all frequency noise in a wide range of industrial workplaces and leisure environments.

Examples of typical applications include:

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

### Standard & Approval

The E-A-R™ Express™ pod earplugs 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	Polyurethane Foam
Cord	PVC



### Attenuation values

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	27.8	26.0	24.9	25.2	29.4	34.9	37.0	35.9
sf (dB)	5.4	4.5	3.3	5.0	4.2	4.1	5.2	3.7
APVf (dB)	22.4	21.5	21.5	20.2	25.2	30.8	31.8	32.2

SNR = 28dB      H = 30dB      M = 24dB      L = 22dB

#### Key

APVf (dB) = Mf – sf (dB)

Mf = Mean attenuation value

sf = Standard deviation

APVf = Assumed Protection Value

H = High-frequency attenuation value (predicted noise level reduction for noise with L(C) – L(A) = -2dB)

M = Medium-frequency attenuation value (predicted noise level reduction for noise with L(C) – L(A) = +2dB)

L = Low-frequency attenuation value (predicted noise level reduction for noise with L(C) – L(A) = +10dB)

SNR = Single Number Rating (the value that is subtracted from the measured C-weighted sound pressure level, L(C) in order to estimate the effective A-weighted sound pressure level inside the ear).

#### Important Notice

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Occupational Health Group  
3M United Kingdom plc  
3M Centre  
Cain Road, Bracknell  
Berkshire, RG12 8HT  
Tel: 0870 60 800 60  
www.3M.co.uk/ohes

Occupational Health Group  
3M Ireland Limited  
The Iveagh Building  
The Park, Carrickmines  
Dublin 18  
Tel: 1 800 320 500