

Technical Datasheet

E-A-R™ Tracer™ 20 Earplugs

TR-01-001



Product Description

The E-A-R™ Tracer™ 20 pre-moulded metal detectable 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 a corded version.

Key Features

- Tri-flange design
- Metal detectable - both ear tip and cord
- Longer stem helps make insertion easier
- Made from soft and durable material
- One size fits the majority of wearers
- Medium attenuation (SNR 20dB)
- Easy to wash and clean
- Supplied in a re-sealable pillow-pack for ease of use

Applications

The E-A-R™ Tracer™ 20 earplugs are ideal for low to moderate noise exposure levels, and are specifically designed for the food and pharmaceutical industry.

Standard & Approval

The E-A-R™ Tracer™ 20 pre-formed 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	Silicone rubber with 2mm steel ball bearing
Cord	Solid polymer with metal inclusions



Attenuation values

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	7.2	9.0	11.9	17.6	23.9	28.9	32.1	35.8
sf (dB)	5.1	4.5	3.9	3.6	3.1	3.6	7.1	4.2
APVf (dB)	2.1	4.5	8.0	14.0	20.8	25.3	25.0	31.6

SNR = 20dB H = 25dB M = 17dB L = 10dB

Key

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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Personal Safety Division
 3M United Kingdom plc
 3M Centre
 Cain Road, Bracknell
 Berkshire, RG12 8HT
 Tel: 0870 60 800 60
 www.3M.co.uk/safety

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