3M™ E-A-Rsoft™ Metal Detectable Roll Down Ear Plugs

Product Description

The 3M™ E-A-Rsoft™ Metal Detectable roll down ear plugs 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 version only.

Key Features

- Slow recovery, environmental friendly polyurethane foam
- Extremely soft foam helps provide low pressure inside the ear canal thus increasing comfort and wearability
- Non-food blue metal detectable cord with an integral stainless steel ball in the ear plug makes it ideal choice for the food industry
- Tapered shape conforms quickly to most ear canals
- Excellent sound attenuation characteristics- SNR 36dB
- Particularly suited for low frequency noise

Applications

The 3M™ E-A-Rsoft™ Metal Detectable ear plugs are ideal for high noise exposure levels, particularly effective against low frequency noise. They are specifically designed to meet the needs of the food industry.

Standards and Approval

The 3M™ E-A-Rsoft™ Metal Detectable ear plugs are tested and CE approved against the European Standard EN352-2:2002. 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 Finnish Institute of Occupational Health (FIOH), Topeliuksenkatu 41aA, FIN-00250 Helsinki, Finland (Notified Body number 0403).

Materials

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

Component	Material
Ear plugs	Polyurethane Foam and stainless steel ball
Cord	Recycled PVC

3M

Attenuation Values

3M™ E-A-Rsoft™ Metal Detectable Roll Down Ear Plugs ES-01-011A

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	23.7	30.8	36.1	39.2	39.5	35.8	42.1	46.1
Std deviation (dB)	6.7	6.5	6.7	4.7	3.9	4.9	3.1	3.3
Assumed Protection Value (dB)	17.0	24.3	29.4	34.5	35.6	30.9	39.0	42.8

SNR=36 db   H=34 db   M=34 db   L=31 db

Key

APVf = Assumed Protection Value

Mf = Mean attenuation value

sf = Standard deviation

H = High-frequency attenuation value (predicted noise level reduction for noise with LC – LA = -2dB)

M = Medium-frequency attenuation value (predicted noise level reduction for noise with LC – LA = +2dB)

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

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

Important Notice

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