



3M™ Torque Earplugs



Product Description

The 3M™ Torque 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 version.

Key Features

- No roll-down required
- Metallic colour appearance
- Ribbed ear tip design helps achieve optimum seal
- Ultra-soft foam ear tips provide maximum comfort and reassured protection
- Durable insertion stem helps ease of fitting and removal
- One size fits majority wearers
- Excellent protection, SNR 32dB

Applications

The 3M™ Torque earplugs are ideal for moderate to high noise exposure levels, including noise comprising predominantly of low frequencies in a wide range of industrial workplace and leisure environment. Examples of typical applications include:-

- Automotive
- Chemical & pharmaceutical manufacture
- Construction
- General manufacturing & assembly
- Heavy engineering
- Rock concert
- Textile manufacture
- Woodworking

Standard & Approval

The 3M™ Torque earplugs 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 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 PU foam
Stem	PVC
Cord	PVC



Attenuation values

3M™ Torque Earplugs

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	30.9	31.9	30.2	30.7	34.1	37.1	44.4	43.7
sf (dB)	3.0	5.2	6.5	5.5	7.0	4.1	5.1	5.6
APVf (dB)	27.9	26.7	23.7	25.2	27.1	33.0	39.3	38.1

SNR = 32dB H = 33dB M = 28dB L = 26dB APVf(dB) = Mf-sf(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 $L_C - L_A = +2dB$)

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).

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Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.



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