

3M™ 1310 Banded Earplugs

Technical datasheet



Product description

The 3M™ 1310 banded earplugs are fitted with ear tips designed to seal the entrance part of the ear canal (semi-aural) to help reduce exposure to harmful levels of noise. The 3M™ 1310 banded earplugs are approved for use in under-the-chin (U-T-C) and behind-the-head (B-T-H) wearing modes.

These earplugs may be used for protection against low to moderate noise environments, providing effective protection against all test frequencies. Please refer to the attenuation table for further details.

Key features

- ▶ SNR 24 dB (B-T-H) and SNR 25 dB (U-T-C)
- ▶ A lightweight alternative to earmuffs (mass = 13 g)
- ▶ Features a slotted band that provides comfortable pressure equalization, allowing the band to flex and self-adjust to the size of the wearer's head
- ▶ The flexible band is worn under the chin or behind the head, which helps compatibility with other PPE such as safety helmets
- ▶ Ideal for intermittent wear, the band can be easily stored around the neck when not in use
- ▶ Flexible and durable band that can be washed and reused multiple times
- ▶ Soft foam eartip provides a good acoustic seal and improved comfort
- ▶ Replacement eartips are available (3M 1311)

Standard and approval:

This product is in compliance with appropriate Directives or Regulations to fulfill the requirements for the CE and/or UKCA marking.

The full text of the Declaration of Conformity is available at the following internet address: www.3M.com/hearing/certs.

Materials

Band	Acetal (POM)
Ear tips	Polyurethane foam

Important notice

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable national and/or European regulations and standards. Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: A limitation of liability applies to the 3M product(s). For warranty statement and limitation of liability, refer to your supply agreement or the 3M terms & conditions of sale.

3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use.

Personal Safety Division

3M United Kingdom PLC
3M Centre
Cain Road, Bracknell
Berkshire RG12 8HT
t: 0870 60 800 60
www.3M.co.uk/safety

3M Ireland Limited
The Iveagh Building
The Park
Carrickmines
Dublin 18
Ireland

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Head Size Range

S/M/L



Attenuation values Behind the Head (B-T-H) wearing mode

	Frequency (Hz) <i>f</i>								H	M	L	SNR
	63	125	250	500	1000	2000	4000	8000				
Mf (dB)	25.2	23.7	19.9	19.8	23.3	31.9	39.0	37.9	30.3	23.2	21.2	26.7
Sf (dB)	5.4	4.6	3.4	3.4	2.9	2.5	3.7	3.8	2.1	2.7	2.9	2.5
APVf (dB)	19.8	19.1	16.5	16.4	20.4	29.4	35.3	34.1	28	21	18	24

Attenuation values Under the chin (U-T-C) wearing mode

	Frequency (Hz) <i>f</i>								H	M	L	SNR
	63	125	250	500	1000	2000	4000	8000				
Mf (dB)	26.1	26.0	21.2	18.5	22.9	32.3	39.2	38.4	30.0	22.6	21.2	26.2
Sf (dB)	3.4	4.3	3.3	2.1	2.1	3.8	4.2	3.7	1.8	1.8	2.0	1.7
APVf (dB)	22.7	21.7	17.9	16.4	20.8	28.5	35.0	34.7	28	21	19	25

Key:

f = Test frequency

Mf = Mean attenuation value

Sf = Standard deviation

APVf (Mf - Sf) = Assumed Protection Value

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)

Information on Shelf life and service life can be found in the User Instructions.

