

NOISE REDUCTION RATING SPECIFICATIONS QUAD UNIVERSAL EARSETS



QUAD earset when used with Comply™ foam eartip

Attenuation Data (re: ANSI S3.19-1974)											
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA CLASS
Mean Attenuation in dB	40.6	36.0	41.1	42.2	41.4	44.9	44.4	45.7	48.5	32	AL
Standard Deviation in dB	5.2	4.1	5.0	4.3	3.2	4.6	5.3	3.2	3.1		

Attenuation Data (re: EN352-2:2020)											
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	SNR	H/M/L	
Mean Attenuation in dB	34.7	28.8	37.0	41.6	42.3	38.4	45.0	46.3	38	37/36/31	
Standard Deviation in dB	5.9	5.9	6.0	6.7	5.6	2.7	3.9	3.8			
Assumed Protective Level in dB	28.8	22.9	31.0	34.9	36.7	35.7	41.1	42.5			

QUAD earset when used with CavCom's 3-flange eartip

Attenuation Data (re: ANSI S3.19-1974)											
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA CLASS
Mean Attenuation in dB	34.5	35.6	34.1	32.4	34.2	39.0	39.8	41.7	45.0	25	AL
Standard Deviation in dB	3.8	3.8	4.5	4.3	3.0	4.1	4.9	3.6	3.2		

The level of noise entering a person's ear, when the hearing protector is well-fitted and worn as directed, is approximated by the difference between the environmental noise level and the NRR (A-weighted environmental noise measurements must be corrected by 7 dB). For instructions on how to apply the CSA Class in Canada, refer to CSA Z94.2-14: Hearing Protection Devices - Performance, Selection, Care and Use. For instructions on how to apply the SNR and HML in Europe, refer to EN352-2:2020: Hearing Protectors - Part 2: Earplugs.

A more precise estimate of field performance can be determined by Individual Fit Testing. This personalized test is performed under typical wear conditions and results in a "Personal Attenuation Rating" (PAR) for each worker. Contact CavCom to learn more about applying ratings and options for Individual Fit Testing.

Cautions

- Although hearing protectors can be effective against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) and similar noise ratings (CSA, SNR, HML, etc.) are based on the attenuation of *continuous* noise and may not be an accurate indicator of the protection attainable against *impulsive* noise such as gunfire.
- Improper fit of this device will reduce its effectiveness in attenuating noise. Consult CavCom's product instructions for guidance on proper fit, care and use.

* Comply is a registered trademark of Hearing Components, Inc.