

GelPods™

Banded Ear Pod for Ultimate Comfort

What is the advantage of a Banded Ear Pod versus Ear Plugs or Ear Muffs?

A banded pod is easier to insert than an ear plug, and since it is kept in place by the headband force, it does not have to be as deeply inserted. Since the pod part does not have to stay in the ear canal with friction it can also use softer and more flexible composites, allowing a higher degree of comfort. An ear pod can be cooler than an ear muff, which can be very critical in some environments. Generally ear muffs provide higher noise reduction properties than ear pods or canal caps.

What is the difference between a Banded Ear Pod and a Banded Canal Cap/Plug?

Our definition of an ear pod is a device that seals the ear canal opening, but applies most of the force of the headband in the outer ear. A banded canal cap/plug on the other hand is a device which enters the ear canal or ear canal opening and the headband force is not applied in the outer ear. An ear pod has the tendency to be more comfortable than a canal cap, but the canal cap generally provides higher attenuation.

GelCaps™

Elvex New GelPods and GelCaps

Our new GelPods and GelCaps are both innovative products, that provide improvements in several respects:

- Pods/Caps are made from a unique composite three times as soft as the softest reusable silicone ear plug
- Both devices have extraordinary sound reduction properties in the low and high frequencies. Tested to ANSI S3.19-1974 and EN-352-2.
- Attenuation in the speech frequencies is flat in order to allow speech communication in noisy environments. Both GelPods and GelCaps offer this feature, but the GelCaps provide generally higher attenuation.

GP-10 GelPods, Banded Ear Pods, 18 dB NRR, 22 dB SNR

GC-20 GelCaps Banded Ear Canal Caps, 23 dB NRR, 23 dB SNR



ANSI S3-19-1974	Frequency, Hz	125	250	500	1000	2000	3150	4000	6300	8000	H	M	L	NRR
	Mean Value, dB	28.5	25.2	22.3	22.1	31.8	38.1	39.3	40.8	39.1		27	20	20
Std. Deviation	4.6	4.0	3.5	3.5	3.2	2.9	3.8	3.0	3.8					

CE EN-352-2:1993	Frequency, Hz	63	125	250	500	1000	2000	4000	8000	H	M	L	SRR
	Mean Value, dB	20.8	23.3	20.4	19.1	21.0	29.9	34.2	36.2		25	18	16
Std. Deviation	6.7	6.5	4.2	5.1	3.4	2.7	3.0	7.4					
Protection Value	14.1	16.8	16.2	14.0	17.6	27.2	31.2	28.8					



ANSI S3-19-1974	Frequency, Hz	125	250	500	1000	2000	3150	4000	6300	8000	H	M	L	NRR
	Mean Value, dB	33.5	31.9	31.2	29.6	36.7	42.5	42.5	42.2	41.8		32	27	27
Std. Deviation	4.5	4.6	4.6	4.1	4.7	4.7	5.3	5.1	4.5					

CE EN-352-2:1993	Frequency, Hz	63	125	250	500	1000	2000	4000	8000	H	M	L	SRR
	Mean Value, dB	24.1	27.1	25.7	21.6	22.2	32.6	38.1	38.8		26	19	19
Std. Deviation	5.0	5.3	4.4	5.1	4.3	5.2	4.7	7.4					
Protection Value	19.1	21.8	21.3	16.5	17.9	27.4	33.4	31.4					