

# CUSTOM EAR & HEARING PROTECTION



PROTECT YOUR EARS WITH  
CUSTOM EARMOLD PRODUCTS  
BY EARMOLD DESIGN



**UNIQUELY YOURS.  
OUR EARMOLDS ARE INDIVIDUALLY  
HAND-SCULPTED TO FIT YOUR NEEDS.**

At Earmold Design, we know that every ear is unique. This is why we are passionate about superior performance, superior comfort and superior fit.



# MAXIMUM PROTECTION PLUGS

## SENTINEL

This is a solid shell style plug with up to NRR\* 26dB (CSA Class A & AL). This has the most attenuation we offer in a noise plug. Sentinel is a good choice when attenuation is the most important requirement and the ability to communicate is not as important.



## NOISE BRAKER

This is a vented, shell style plug with a small filter inside the vent. With good attenuation and moderate clarity, this plug delivers up to an NRR\* of 20dB (CSA Class B). The Noise Braker is a good choice when attenuation is needed along with the ability to still hear some of the low frequencies.



## OPTIONS

Sentinel and Noise Braker plugs are available with several options upon request which include: handles, strings, metal ball bearings (for detection purposes), clips and swirls.

## CARE INSTRUCTIONS

Sentinel and Noise Braker plugs are easily cleaned by using mild soap and warm water, then allowed to air dry.

\*NRR: Noise Reduction Rating



# ER MUSICIAN PLUGS

## ER MUSICIAN PLUGS

Musician Earplugs were designed to protect hearing while preserving all the subtleties and richness of music. Other earplugs, particularly foam, muffle sound so music and speech are not heard distinctly.

Music and speech reproduced through ER Musician earplugs sounds exactly as it would in an ear without an earplug, but at a lower (safer) loudness level. Musicians practice and perform in a variety of different settings and they are exposed to high levels of sound, sometimes for long periods. They require different amounts of hearing protection depending on the sound levels they encounter during rehearsals and performances. See the table below.

## WHICH EARPLUG IS BEST FOR YOU?

	ER-9™	ER-15™	ER-25™	Harmful Sound Comes From:
Small strings	✓	✓		Own instrument, other strings
Large strings	✓	✓		Brass
Woodwinds		✓		Brass, Percussion
Brass		✓	✓	Own instrument, other brass
Flutes		✓		Percussion
Percussion		✓	✓	Own instruments, other percussion
Vocalists	✓	✓		Own voice, speakers, monitors
Acoustic guitar	✓	✓		Drums, speakers, monitors
Amplified instruments		✓	✓	Speakers, monitors
Marching bands		✓		Multiple sources
Music teachers		✓		Multiple sources
Recording engineers		✓		Speakers, monitors
Sound crews		✓		Speakers, monitors

Ref: Chasin, M. **Musicians and the Prevention of Hearing Loss**. Singular Publishing Group. 1996.

## ER MUSICIAN PLUGS

<b>ER-9™</b>	9dB of attenuation. Minimal attenuation and high clarity. Recommended for string instruments, acoustic guitar and vocalists.
<b>ER-15™</b>	15dB of attenuation. Good attenuation and great clarity. Provides uniform sound reduction across all frequencies. Most versatile choice.
<b>ER-25™</b>	25dB of attenuation. Best attenuation and good clarity. Recommended for brass, percussion and amplified instruments.

## OPTIONS

ER Musician Plug options available upon request: style (canal, ½ shell, or shell), filter position (standard, partially countersunk or fully countersunk), strings (Formaseal only), clips (Formaseal only) and colour of molds and/or filter. Note: canal style is used unless specified otherwise. The standard material is Formaseal. The standard colour for the filter is beige (clear, red, blue and brown filters are optional).

## STYLE CHOICES

Standard style is used unless specified otherwise.



STANDARD

PARTIALLY  
COUNTERSUNK

FULLY  
COUNTERSUNK

## CARE INSTRUCTIONS

ER Musician Plugs are easily cleaned after the filter is removed. Simply wash molds in warm water using a mild soap and allow to air dry. Replace when there are signs of discolouration, shrinkage, cracking, hardening of earmold material or deterioration in performance.

### \* NRR: Noise Reduction Rating

NRR Ratings: Please note that Noise Reduction Ratings are based on maximum attenuation values. Earmold fit and improper insertion will reduce these values. To determine exact ear specific attenuation levels, real ear measurements are recommended.

# SWIM MOLDS & FLOATABLES

## SWIM MOLDS

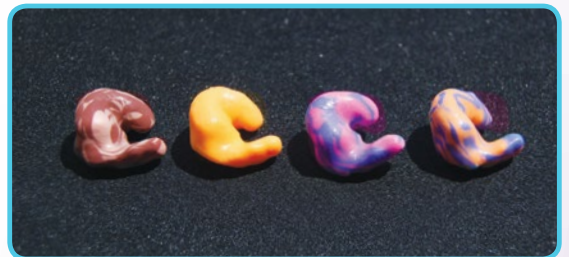
Swim Molds combine fashion and function in custom swim plugs. Choose from an array of bright colours including pink, neon green, purple, yellow, and orange. Or if you prefer more subtle colours: blue, light brown, medium brown, dark brown, semi-transparent clear, flesh, white, red and black. You can choose one colour or swirl two or three!

Swim Molds are soft to the touch yet tough enough for every day use. They provide excellent sealing qualities. A handle and string are standard on all Swim Molds.



## FLOATABLES

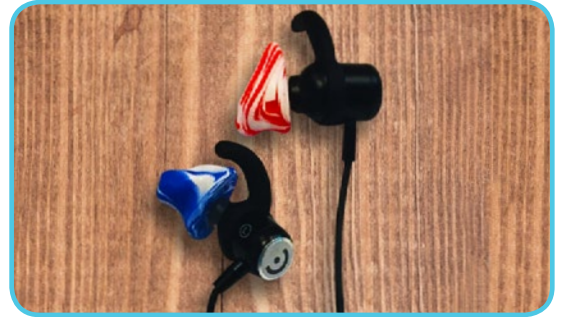
Floatables are custom swim plugs that float. They are available in pastels pink, green, purple, yellow, orange, blue, flesh, brown, white and swirls of colours. All floatables come with handles and strings.



## SPECIALTY MOLDS

## SPECIALTY MOLDS

Specialty Molds are also available (including Pilot, Ear Piece for bluetooth devices and headphones, cell phones, Ear Monitors and our own BernaBuds headphones).



# MATERIALS

## NEW-SIL

The standard material used in noise plugs. It provides an excellent seal, durability and no shrinkage. New-Sil standard colour is semi-transparent clear but is also available in flesh, pink, yellow, red, orange, white, purple, green, black, blue, light brown, medium brown and dark brown.



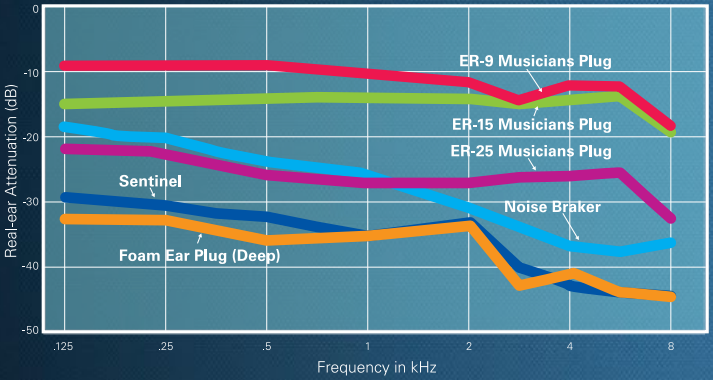
## FORMASEAL

The standard material used in ER musician plugs. It is a soft pliable PVC material. It provides a good seal but may shrink and harden over time. Formaseal standard colour is flesh (pink tint) unless otherwise specified. The transparent colours available are: clear, pink, yellow, red, orange, purple, green, blue and brown.





# TYPICAL EARPLUG ATTENUATION VALUES (dB)



\* NRR Ratings: please note that Noise Reduction Ratings are based on maximum attenuation values. Earmold fit and improper insertion will reduce these values. To determine exact ear specific attenuation levels, real ear measurements are recommended.



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