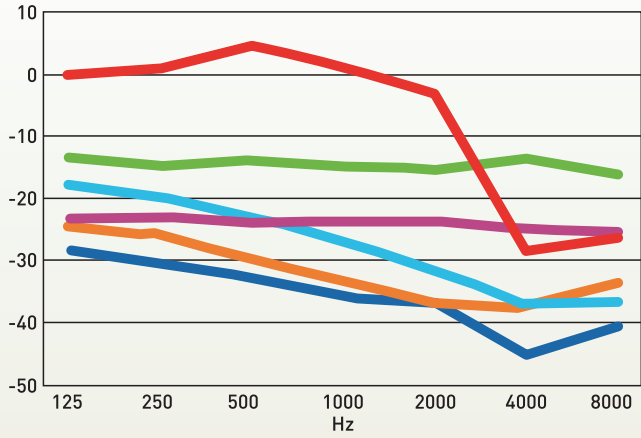


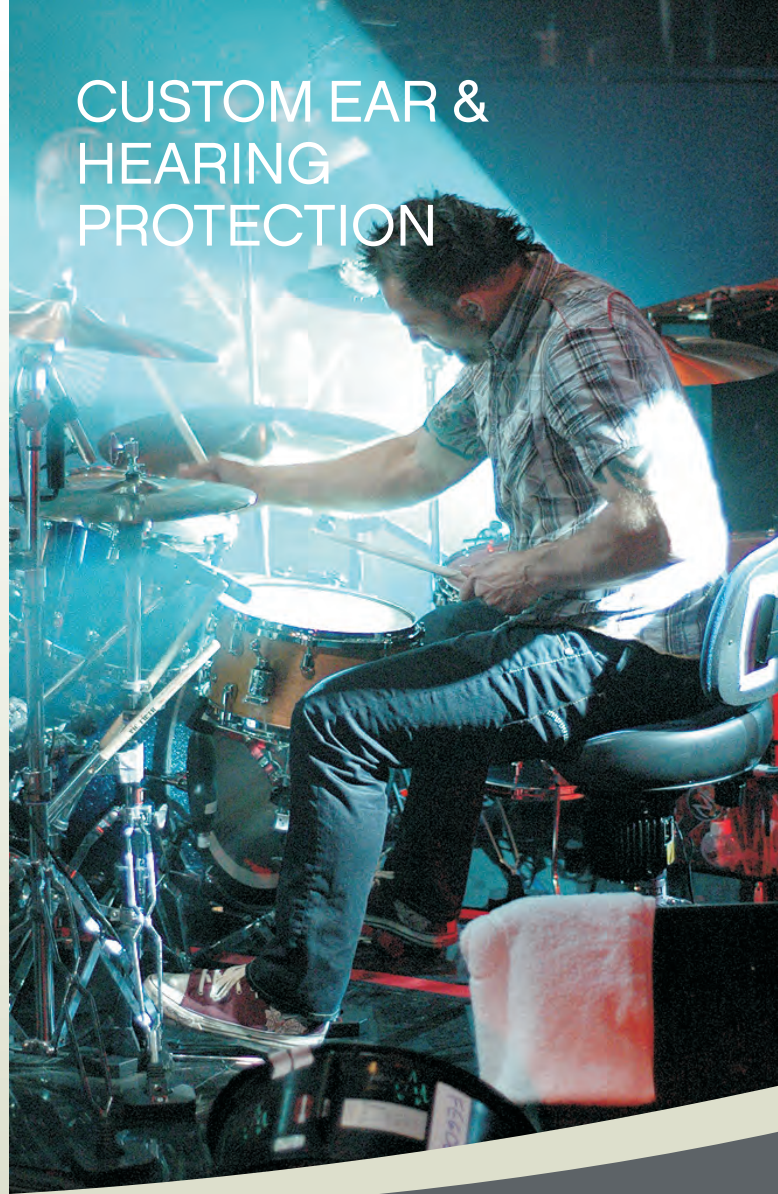
## TYPICAL ATTENUATION VALUES (dB)



\*Result may vary due to ear acoustics

- Vented
- ER-15
- ER-25
- Noise Attenuator
- Foam
- Total Seal

## CUSTOM EAR & HEARING PROTECTION



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# Materials



## ULTI SEAL

The standard material used in noise plugs unless otherwise specified. It provides an excellent seal, durability and no shrinkage. Ulti Seal 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.



## SILICONE

Only available in flesh colour, This material provides an excellent seal, durability and no shrinkage. It is also a good choice when there are moisture problems. Silicon is slightly firmer and more breathable than Ulti Seal.



## PROSEAL

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



## Specialty Molds

Specialty molds are also available (including Pilot, Ear Piece for Cell Phones, Walkman, Ear Monitors etc.)



## Maximum Protection Plugs

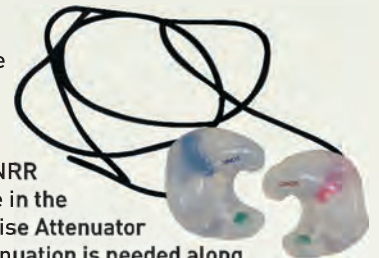
### TOTAL SEAL

This is a solid shell style plug with NRR 29dB (approx.) when made in the standard Ulti Seal. This has the most attenuation we offer in a noise plug. Total Seal is a good choice when attenuation is the most important requirement and the ability to communicate is not as important.



### NOISE ATTENUATOR

This is a vented, shell style plug with a small filter inside the vent. With good attenuation and moderate clarity, this plug delivers NRR 18dB (approx.) when made in the standard Ulti Seal. The Noise Attenuator is a good choice when attenuation is needed along with the ability to still hear some of the low frequencies. It is also very good for shooters, since sound wave turbulence over 120dB creates a solid plug effect.



### OPTIONS

Total Seal and Noise Attenuator plugs are available with several options upon request which include: style (shell, 1/2 shell or canal), handles, strings, metal ball bearings (for detection purposes), clips, swirls and sparkles. Note: a style change from shell may affect the attenuation.

### CARE INSTRUCTIONS

Total Seal and Noise Attenuator plugs are easily cleaned by using mild soap and warm water, then allowed to air dry.



# Swim Earbands



**Swim Earbands** are swimmer's ear protectors that are attractive, comfortable headbands specially designed to keep water out and hold ear plugs in. They help prevent "swimmer's ear" and are recommended by physicians, particularly for swimmers with ear tubes.

Made of colourful reversible Neoprene, the head band secures behind the neck for a snug, comfortable fit. Swim Earbands are suitable for all ages.



# Swim Molds and Floatables

**Swim Molds** combine fashion and function in custom swim plugs.

Choose from an array of bright colours including neon pink, neon green, neon purple, neon yellow, and neon 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** 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.



# ER Musician Plugs

Musicians 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 these 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
Fluters		✓		Percussion
Percussion		✓	✓	Own instruments, other percussion
Vocalists	✓	✓		Own voice, speakers, monitors
Acoustics 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

## ER-9

9dB of attenuation, Minimal attenuation and high clarity, Recommended for string instruments, acoustic guitar and vocalists.

## ER-15

15dB of attenuation, Good attenuation and great clarity, Provides uniform sound reduction across all frequencies. Most versatile choice.

## ER-25

25dB of attenuation, Best attenuation and good clarity, Recommended for brass, percussion and amplified instruments.

## Style Choices

Standard style is used unless specified otherwise.



Standard



Partially  
Countersunk



Countersunk

## Options

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

## 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 discoloration, shrinkage, cracking, hardening of earmold material or deterioration in performance.

