



# Hearing Protection



Earmuffs | Earplugs

# NRR & ANSI S3.19-1974 Explained

The U.S. Environmental Protection Agency (EPA) has selected the Noise Reduction Rating (NRR) as the measure of hearing protection devices noise-reducing capabilities.

The level of noise entering a person's ear when a hearing protector is worn as directed is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

Example:

1. The environmental noise level as measured at the ear is 92 dB (A).
2. The NRR is 23 decibels (dB).
3. The level of noise entering the ear is approximately equal to [92-26 dB(A)] 66 dB(A).

For noise environments dominated by frequencies below 500 Hz, the C-Weighted environmental noise level should be used. The NRR used in the above example was achieved under laboratory conditions.

When choosing hearing protection equipment, make sure you are choosing one with the dB you need to avoid hearing damage.

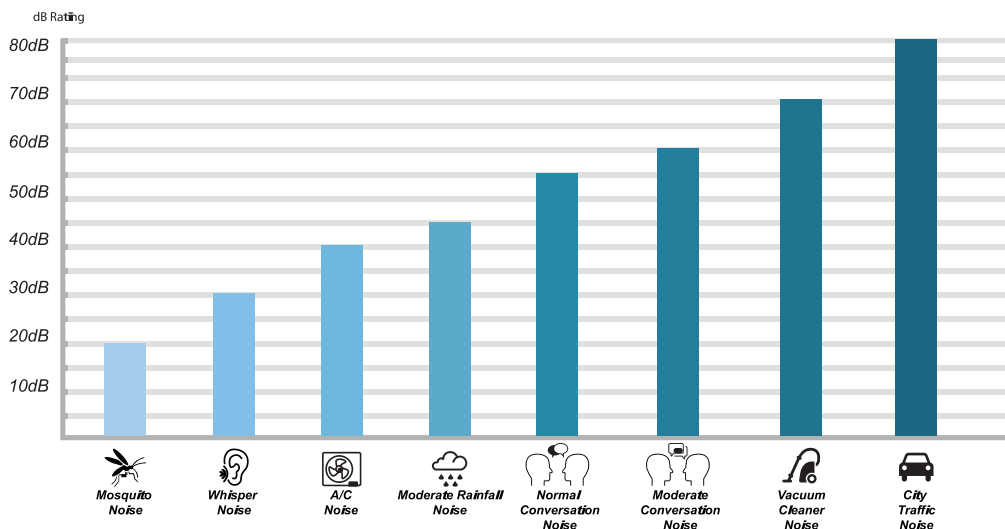


## ANSI S3.10-1974 Standard

Hearing protection equipment must meet this standard to certify that it protects against different noise levels. All products must pass rigorous quality and standards tests at authorized locations before the model can be sold with the NRR label.

## (dB) Meaning

The Decibel (dB) is a unit for expressing and comparing the loudness of two different sounds



## Protective Earmuff

### GM450



**23dB**  
NRR



Ref. Color  
GM450 ● Indigo & Black

- Durable and Comfortable Headband
- Adjustable Headband
- Compact, Lightweight & Portable Design
- Soft Padding on Earcups Provides Maximum Comfort and Protection from Noises



## Folding Protective Earmuff

### GM451



**26dB**  
NRR



Ref. Color  
GM451 ● Indigo & Black

- Adjustable Headband
- Cushioned Headband for Maximum Comfort
- Strong Stainless Steel Wires
- Adjustable Earcup Pivot Points Tilt for Wearers Comfort
- Folding Design
- Soft Padding on Earcups Provides Maximum Comfort and Protection from Noises



## Protective Earmuff

### GM452



**27dB**  
NRR

Ref. Color  
GM452 ● Gray & Black

- Adjustable Headband
- Cushioned Headband for Maximum Comfort
- Strong Stainless Steel Wires
- Adjustable Earcup Pivot Points Tilt for Wearers Comfort
- Compact & Portable Design
- Soft Padding on Earcups Provides Maximum Comfort and Protection from Noises



# Hearing Protection

## High Visibility Protective Earmuff

### GM452HV

**ANSI**  
S3.19-1974 **27dB**  
NRR

Ref. Color  
GM452HV Hi-Vis Lime & Gray



## Cap Mounted Earmuff

### GM453

**ANSI**  
S3.19-1974 **25dB**  
NRR



Ref. Color  
GM453 Gray & Black



## Behind-The-Neck Earmuff

### GM454

**ANSI**  
S3.19-1974 **26dB**  
NRR

Ref. Color  
GM454 Gray & Black



## Bullet Shaped Earplugs



**Dielectric**  
No metal components

**Hypoallergenic**

• Individually Packed



**GP425**



**GP426**

**GP427**



**GP420**

Ref.	Cord Type	Pairs	Pack
GP420	Uncorded	5 Pairs	Bag
GP425	Uncorded	200 Pairs	Box
GP426	Corded	100 Pairs	Box
GP427	Uncorded	5 Pairs with case	Blister

## Christmas Tree Shaped Earplugs



**Dielectric**  
No metal components

**Hypoallergenic**

• Individually Packed



**GP439**



**GP440**

**GP445**

Ref.	Cord Type	Pairs	Pack
GP439	Uncorded	200 Pairs	Box
GP440	Corded	100 Pairs	Box
GP445	Corded	3 Pairs with case	Blister

## Bell Shaped Earplugs with Case

**ANSI**  
S3.19-1974

**32dB**  
NRR



**Dielectric**  
No metal components



**Hypoallergenic**



**GP444**



**2 Pieces**



**1 Piece**

<i>Ref.</i>	<i>Cord Type</i>	<i>Pairs</i>	<i>Pack</i>
<b>GP444</b>	Corded	2 pairs with case	Blister

