



# 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.

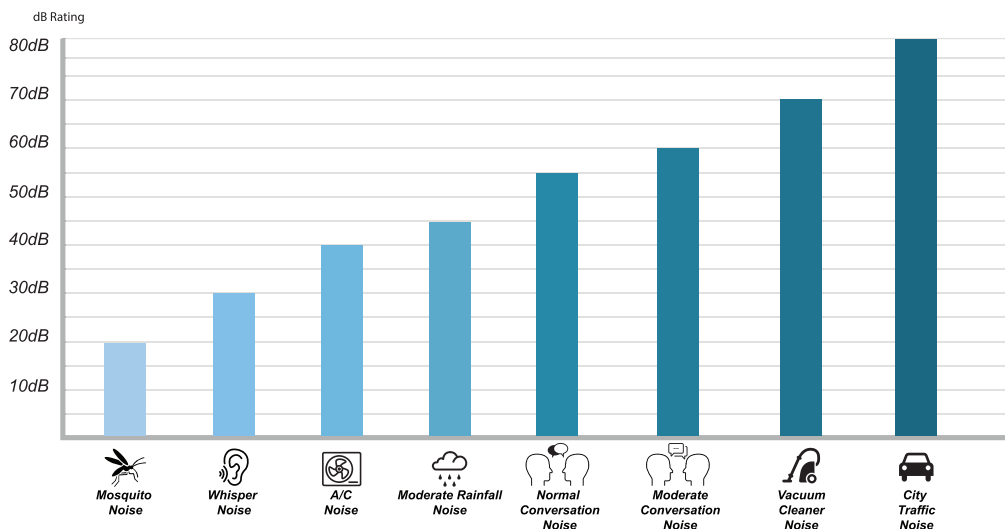


## ANSI S3.10-1974 Standard

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



Ref. GM450      Color ● Blue & Black

• Adjustable headband



• Durable & comfortable headband

• Compact, lightweight & portable design

• Soft padding on earcups provides maximum comfort and protection from noises



## Folding Protective Earmuff

### GM451



Ref. GM451      Color ● Indigo & Black

• Strong stainless steel wires

• Adjustable headband



• Cushioned headband for maximum comfort

• Soft padding on earcups provides maximum comfort and protection from noises

• Adjustable earcup pivot points tilt for wearers comfort



## Protective Earmuff

### GM452



Ref. GM452      Color ● Gray & Black

• Strong stainless steel wires

• Compact, lightweight & portable design



• Cushioned headband for maximum comfort

• Soft padding on earcups provides maximum comfort and protection from noises

• Adjustable earcup pivot points tilt for wearers comfort



## High Visibility Protective Earmuff

### GM452HV



Ref. GM452HV Color Hi-Vis Lime & Gray



## Cap Mounted Earmuff

### GM453



Ref. GM453 Color Gray



## Behind-The-Neck Earmuff

### GM454



Ref. GM454 Color Gray



## Bullet Shaped Earplugs

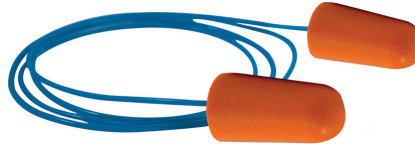
**ANSI**  
S3.19-1974

**32dB**  
NRR

• Individually packed



GP425



GP426



GP427

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

## Bullet Shaped Earplugs

**ANSI**  
S3.19-1974

**32dB**  
NRR



GP428



GP429



GP430



GP431

Ref.	Cord Type	Pairs	Pack
GP428	Uncorded	50 Pairs	Bag
GP429	Uncorded	100 Pairs	Bag
GP430	Uncorded	250 Pairs	Bag
GP431	Uncorded	500 Pairs	Bag

# Hearing Protection

## Earplugs Dispenser

**ANSI**  
S3.19-1974

**32dB**  
NRR

• Includes 500 pairs



GP435

Ref.	Cord Type	Pairs	Pack
GP435	Uncorded	500 Pairs	Label

## Reusable Earplugs

**ANSI**  
S3.19-1974

**26dB**  
NRR

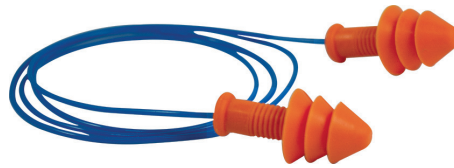
• Individually packed



GP445



GP439



GP440

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

**ANSI**  
S3.19-1974

**32dB**  
NRR



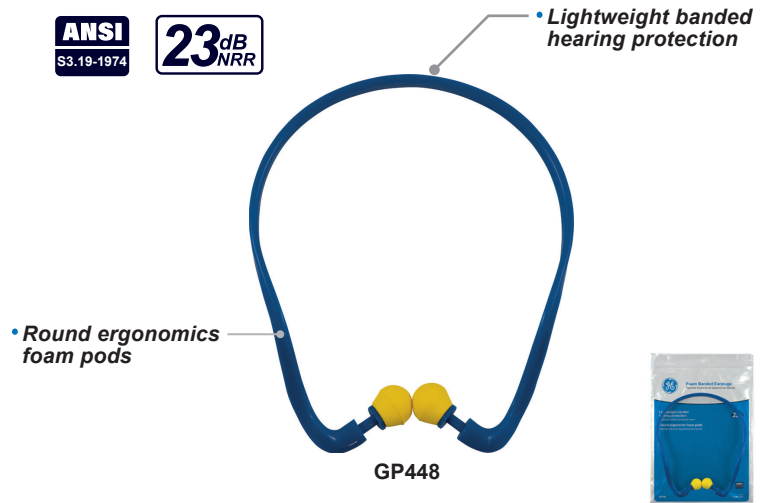
**GP444**

Ref.	Cord Type	Pairs	Pack
GP444	Corded	2 pairs with case	Blister

## Foam Banded Earplugs

**ANSI**  
S3.19-1974

**23dB**  
NRR



**GP448**

Ref.	Color
GP448	Yellow & Blue