



HEARING PROTECTION

ALL-DAY PROTECTION & COMFORT. EVERYDAY APPLICATIONS.



EP4

SONIC DEFENDERS® PLUS

Filtered, Triple-Flanged Earplugs with **24 dB NRR**

MADE IN USA



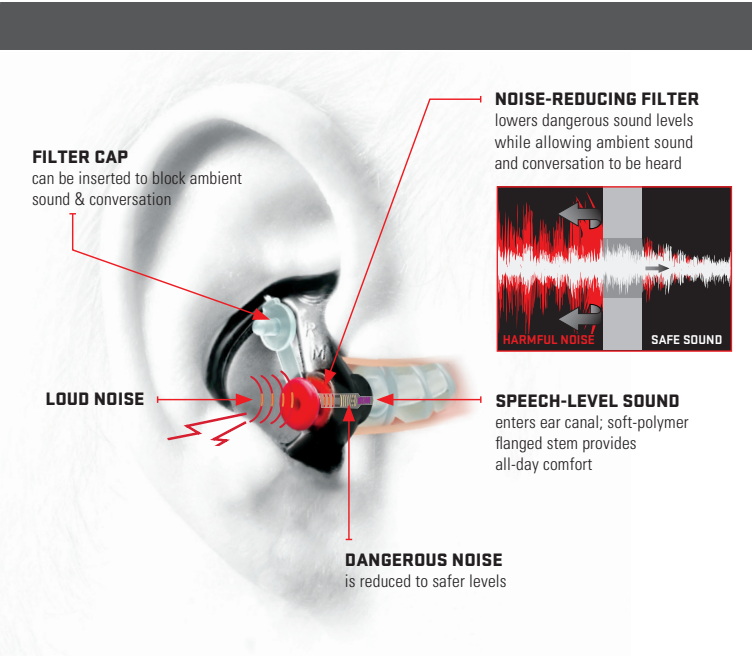
SureFire® EP4 Sonic Defenders® Plus, designed for those with larger ear canals, protect your hearing from dangerous noise levels—including sudden impulse noise like gunshots—while allowing you to still hear safe ambient sounds. So you enjoy effective hearing protection while maintaining situational awareness and the ability to hear important conversations or commands.

- EP4 SONIC DEFENDERS PLUS FEATURES**
- **Two levels of protection with filter caps in or out—the louder the noise, the more the protection**
 - **Patented EarLock® rings provide unparalleled retention**
 - **Triple-flanged stem is adjustable for comfort & fit**
 - **Hypoallergenic soft-polymer construction provides all-day comfort & durability**
 - **Can be used as an earpiece for compatible radio communication systems**

NOISE-REDUCING FILTERS

Filtered Sonic Defenders use established, **non-electronic technology** to reduce dangerous noise while allowing the hearing of safe-level conversations, commands, and ambient sounds.

- 1 Loud, potentially harmful sound waves enter the filter.**
- 2 Sound waves above 85dB hit the ridges inside the filter.**
- 3 These sound waves reflect off the ridges of the narrowing walls and cancel themselves out.**
- 4 Dangerous sound levels are reduced, and safe levels pass through.**
- 5 The louder the sound, the more noise gets canceled.**

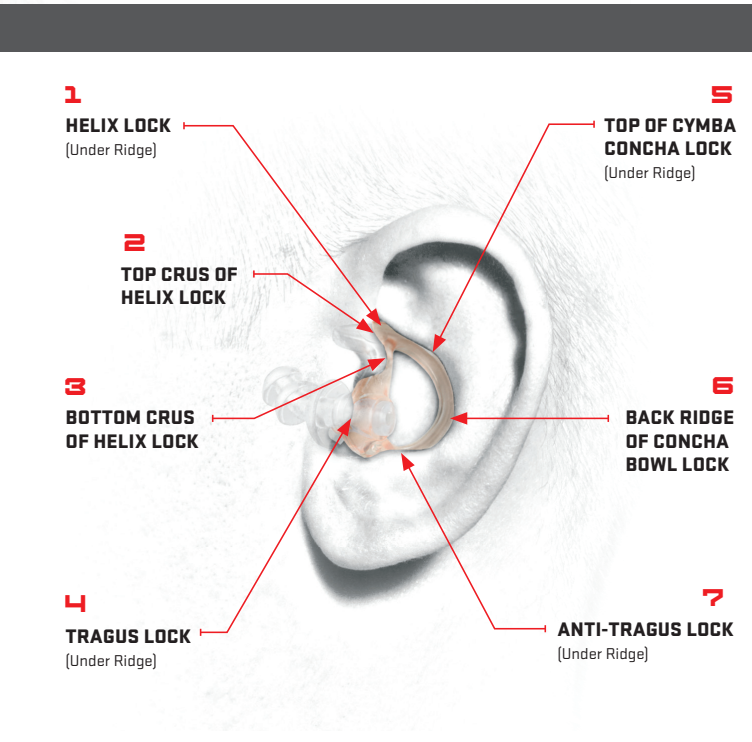


PATENTED EARLOCK® RETENTION RINGS



SureFire Sonic Defenders feature our innovative EarLock outer rings, which lock the earplugs in place with seven unique grab points. A low-profile design allows for easy wearing under a hat, helmet, mask, headset, or supplemental muffs—even while using the phone.

All SureFire earplugs and earpieces feature seven unique grab points.



PROTECTS AGAINST TWO TYPES OF NOISE...

1. **CONSTANT NOISE**
(example: loud roar of an engine)
2. **IMPULSE NOISE**
(example: gunshot or explosion)

PROVIDES TWO LEVELS OF HEARING PROTECTION...



NOISE REDUCTION RATING (NRR)

EP4 Sonic Defenders Plus - FILTER CAPS OUT

ATTENUATION DATA (ANSI STD S3.19-1974)

| Test Frequencies (Hz) | 125 | 250 | 500 | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR |
|-------------------------|-----|------|------|------|------|------|------|------|------|-----------|
| Mean Attenuation (dB) | 9.7 | 10.5 | 15.6 | 20.4 | 29 | 32 | 28.2 | 30.2 | 36.9 | 12 |
| Standard Deviation (dB) | 3.7 | 3.4 | 2.4 | 3 | 3 | 5.8 | 5.6 | 5.5 | 5.7 | |

Noise Reduction Rating **12** Decibels with filter caps out (when used as directed)

THE RANGE OF NOISE REDUCTION RATINGS FOR EXISTING HEARING PROTECTORS IS APPROXIMATELY 0 TO 30 (HIGHER NUMBERS DENOTE GREATER EFFECTIVENESS)

SureFire® Fountain Valley, CA EP4 Sonic Defenders® Plus

Federal law prohibits removal of this label prior to purchase. LABEL REQUIRED BY U.S. EPA REGULATION 40 CFR Part 211, Subpart B

WARNING: Improper fit of this device will reduce its effectiveness in attenuating noise. Consult instructions for proper fit. Failure to follow instructions could result in hearing loss and/or injury. EP4 Sonic Defenders Plus fit most people; however, no hearing protection fits everyone. If proper fit cannot be achieved following instructions, discontinue use. Do not use in environments with extreme air/water pressure or where abrupt pressure changes occur. EP4s should not be worn underwater in depths exceeding one meter.

EP4 Sonic Defenders Plus - FILTER CAPS IN

ATTENUATION DATA (ANSI STD S3.19-1974)

| Test Frequencies (Hz) | 125 | 250 | 500 | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR |
|-------------------------|------|------|------|------|------|------|------|------|------|-----------|
| Mean Attenuation (dB) | 31.7 | 29.3 | 32.9 | 30.5 | 35.6 | 37.2 | 35 | 34.4 | 37.7 | 24 |
| Standard Deviation (dB) | 5.4 | 4.6 | 4.3 | 3.2 | 4.1 | 4.2 | 3.6 | 4.1 | 5.5 | |

Noise Reduction Rating **24** Decibels with filter caps in (when used as directed)

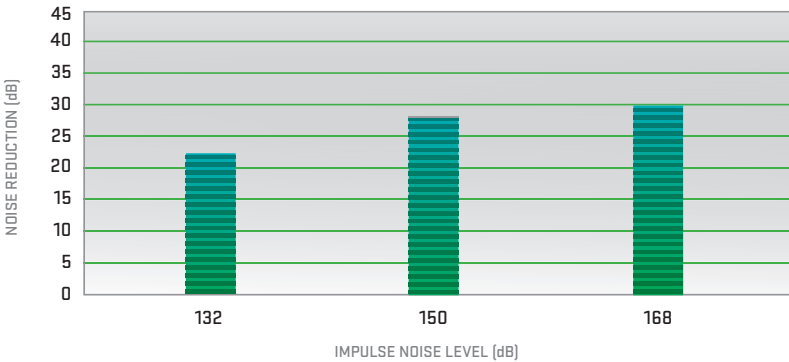
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IMPULSE NOISE DATA

EP4 Impulse Noise Reduction—Filter Caps Out

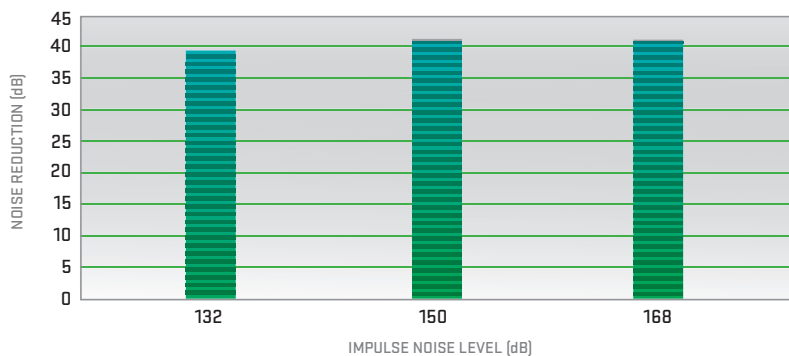


Average Peak Impulse Level dB Reduction

| | |
|----------------------------|------|
| 132 dB Overall Average PIL | 23.9 |
| 150 dB Overall Average PIL | 28.8 |
| 168 dB Overall Average PIL | 30.0 |

ANSI S12.42-2010

EP4 Impulse Noise Reduction—Filter Caps In



Average Peak Impulse Level dB Reduction

| | |
|----------------------------|------|
| 132 dB Overall Average PIL | 39.8 |
| 150 dB Overall Average PIL | 40.7 |
| 168 dB Overall Average PIL | 40.5 |

ANSI S12.42-2010

SIZING, FITTING & TESTING

EP4 COLORS & SIZES

Colors: Black, orange, clear

Sizes: Small, medium, large

Accessories: Included 26" retention lanyard



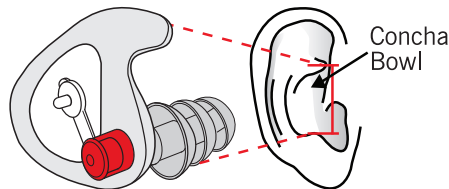
EP4 SIZING

Medium EP4s fit most people. Sizing is based on the ear's concha bowl:

1" = Medium

Less than 1" = Small

Greater than 1" = Large



To install & test:

- Starting with the EarLock® retention ring oriented slightly backward, rotate the earplug forward while inserting the stem of the red-filtered EP4 into the right ear canal deep enough for the uppermost flange to seal. Fit the retention ring to the natural contour of the concha bowl surrounding the ear canal to lock the earplug in place.
- Check the seal by placing your fingertip over the outer hole of filter and then removing. Detection of a slight suction indicates a proper seal.
- Repeat process with white-filtered earplug for left ear.
- Test earplugs by clapping, with filter caps out. If no noticeable decrease in volume, reinsert and retest.
- To block lower-level noise* in quiet environments and to maximize protection, insert attached filter cap into filter's hole and push in until snug.

* Inserting filter cap negates noise-reducing filter's ability to let ambient sounds & conversations pass safely through.

ORDERING INFORMATION

EP4 Sonic Defenders® *Plus* are available in clamshell retail packaging, featuring a single pair of earplugs in a plastic carrying case, and bulk packaging, featuring 25 pairs of poly-bagged earplugs in plastic carrying cases.

| Catalog Number | UPC | Package Contents | NSN |
|----------------------|--------------|---|------------------|
| CLEAR MODELS | | | |
| EP4-SPR | 084871315128 | Clamshell with one pair of SMALL clear earplugs | |
| EP4-MPR | 084871311526 | Clamshell with one pair of MEDIUM clear earplugs | |
| EP4-LPR | 084871311434 | Clamshell with one pair of LARGE clear earplugs | |
| EP4-SPR-BULK | 084871314992 | Dispenser box of 25 pairs of SMALL clear earplugs | 6515-01-606-4560 |
| EP4-MPR-BULK | 084871311533 | Dispenser box of 25 pairs of MEDIUM clear earplugs | 6515-01-606-4565 |
| EP4-LPR-BULK | 084871311519 | Dispenser box of 25 pairs of LARGE clear earplugs | 6515-01-606-4568 |
| BLACK MODELS | | | |
| EP4-BK-SPR | 084871315180 | Clamshell with one pair of SMALL black earplugs | |
| EP4-BK-MPR | 084871315197 | Clamshell with one pair of MEDIUM black earplugs | |
| EP4-BK-LPR | 084871315203 | Clamshell with one pair of LARGE black earplugs | |
| EP4-BK-SPR-BULK | 084871314961 | Dispenser box of 25 pairs of SMALL black earplugs | 6515-01-606-4549 |
| EP4-BK-MPR-BULK | 084871314978 | Dispenser box of 25 pairs of MEDIUM black earplugs | 6515-01-606-4552 |
| EP4-BK-LPR-BULK | 084871314985 | Dispenser box of 25 pairs of LARGE black earplugs | 6515-01-606-4558 |
| ORANGE MODELS | | | |
| EP4-OR-SPR | 084871318877 | Clamshell with one pair of SMALL orange earplugs | |
| EP4-OR-MPR | 084871318884 | Clamshell with one pair of MEDIUM orange earplugs | |
| EP4-OR-LPR | 084871318891 | Clamshell with one pair of LARGE orange earplugs | |
| EP4-OR-SPR-BULK | 084871318907 | Dispenser box of 25 pairs of SMALL orange earplugs | |
| EP4-OR-MPR-BULK | 084871318914 | Dispenser box of 25 pairs of MEDIUM orange earplugs | |
| EP4-OR-LPR-BULK | 084871318921 | Dispenser box of 25 pairs of LARGE orange earplugs | |

CLEANING & PRODUCT LIFE

EP4 Sonic Defenders *Plus* typically last up to 6+ months, depending on usage and care. Clean with mild soap and water or alcohol swabs and allow to air dry. If exposed to salt water, rinse with fresh water and allow to air dry. Replace when they become stiff and hardened.

RADIO SYSTEM EARPIECE USE

With its noise-reducing filter removed**, an EP4 earplug can be used as a comfortable, high-performance earpiece with many popular radio communication systems.

**EP4s provide a reduced level of hearing protection with noise-reducing filters removed.

SUREFIRE NO-HASSLE PROMISE

We'll do what it takes to keep your SureFire gear running smoothly.

SureFire warrants that if you—our customer—purchase one of our products, and we determine that it is defective in material and/or workmanship, we will repair or replace it for free or refund your money—no hassle! SureFire Hearing Protection products are warranted for 90 days from the date of purchase. Our warranty does not cover consumables, or normal wear-and-tear, or damage resulting from abuse, alterations, unauthorized repairs, or use contrary to SureFire's user manuals. For complete warranty information, visit www.surefire.com/warranty.

TO ORDER OR LOCATE A DEALER:

www.surefire.com/tactical-equipment/hearing-protection

www.surefire.com/dealer-locator

800-828-8809 or 714-545-9444 (U.S.A.)

00-800-7843-7843 (UK & Germany)