

SIZING, FITTING & TESTING

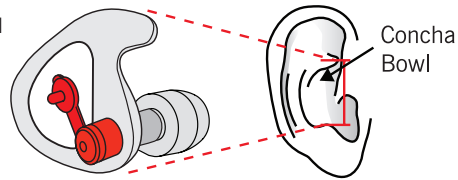
EP7 COLORS & SIZES

Colors: Black, Clear
Sizes: Small, Medium, Large
Accessories: Included 26" retention lanyard



EP7 SIZING

Medium EP7s 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:

1. Roll Comply™ Canal Tip of color-coded (red filter for right) EP7 into a thin, round cylinder, being careful not to unscrew tip from stem.
2. Starting with the EarLock® retention ring of the right earplug oriented slightly backward, rotate the earplug forward while inserting the foam tip deep into the right ear canal. Fit the retention ring to the natural contour of concha bowl surrounding the ear canal to lock the earplug in place. Hold in place 15-30 seconds while foam tip fully expands in ear canal.
3. Check earplug's seal by placing your fingertip over the outer hole of filter and removing. Detection of a slight suction indicates a proper seal.
4. Repeat process with other earpiece for left ear.
5. Test by clapping, with filter caps out. If no noticeable decrease in volume, reinsert and retest.
6. To block lower-level noise* in quiet environments, 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.

CLEANING & PRODUCT LIFE

EP7 Sonic Defenders *Ultra* typically last up to 6+ months, depending on usage and care. Clean earpieces with mild soap and water and allow to air dry. Clean foam tips by wiping with a clean cloth and rinsing with water, then air dry. Replace earplugs when they become stiff and hardened. For optimal performance, foam tips should be replaced every 2-4 weeks or when soiled, with replacement tips available from SureFire.

RADIO SYSTEM EARPIECE USE

With its noise-reducing filter removed**, an EP7 earplug can be used as a comfortable, high-performance earpiece with many popular radio communication systems.

**EP7s provide a reduced level of hearing protection with noise-reducing filters removed.

ORDERING INFORMATION

EP7 Sonic Defenders® *Ultra* are available in clamshell retail packaging, featuring a single pair of earplugs in a plastic carry case, and bulk packaging, featuring 25 pairs of poly-bagged earplugs in plastic carrying cases.

Catalog Number	UPC	Package Contents	NSN
CLEAR MODELS			
EP7-SPR	084871319386	Clamshell with one pair of SMALL clear earplugs	
EP7-MPR	084871319393	Clamshell with one pair of MEDIUM clear earplugs	
EP7-LPR	084871319409	Clamshell with one pair of LARGE clear earplugs	
EP7-SPR-BULK	084871319478	Dispenser box of 25 pairs of SMALL clear earplugs	6515-01-622-1984
EP7-MPR-BULK	084871319485	Dispenser box of 25 pairs of MEDIUM clear earplugs	6515-01-622-2001
EP7-LPR-BULK	084871319492	Dispenser box of 25 pairs of LARGE clear earplugs	6515-01-622-2007
BLACK MODELS			
EP7-BK-SPR	084871319416	Clamshell with one pair of SMALL black earplugs	
EP7-BK-MPR	084871319423	Clamshell with one pair of MEDIUM black earplugs	
EP7-BK-LPR	084871319409	Clamshell with one pair of LARGE black earplugs	
EP7-BK-SPR-BULK	084871319508	Dispenser box of 25 pairs of SMALL black earplugs	6515-01-622-2019
EP7-BK-MPR-BULK	084871319515	Dispenser box of 25 pairs of MEDIUM black earplugs	6515-01-622-2539
EP7-BK-LPR-BULK	084871319522	Dispenser box of 25 pairs of LARGE black earplugs	6515-01-622-2558

SUREFIRE NO-HASSLE GUARANTEE

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/earpro
www.surefire.com/dealer-locator

ALL-DAY PROTECTION & COMFORT. EVERYDAY APPLICATIONS.



EP7

SONIC DEFENDERS® ULTRA
Filtered, Foam-Tipped Earplugs with **28 dB NRR**

MADE IN USA



SureFire® EP7 Sonic Defenders® Ultra

feature replaceable memory-foam Comply™ Canal Tips for a high level of comfort and hearing protection. They protect your hearing from dangerous noise levels—including sudden impulse noise like gunshots—without interfering with your ability to hear safe ambient sounds. So you enjoy effective hearing protection while maintaining situational awareness and the ability to hear important conversations or commands.

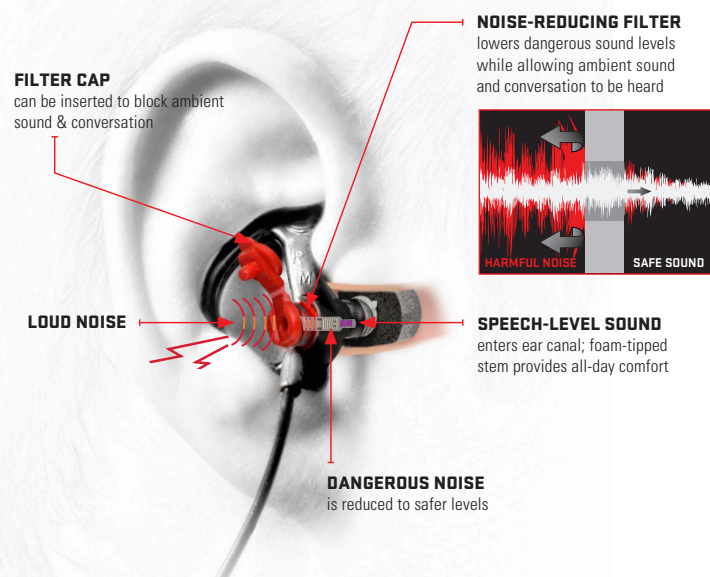
EP7 SONIC DEFENDERS ULTRA FEATURES

- Two levels of protection with filter caps in or out—the louder the noise, the more the protection
- Patented EarLock® rings provide unparalleled retention
- Replaceable memory-foam Comply™ Canal Tips provide comfort & secure seal
- 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.

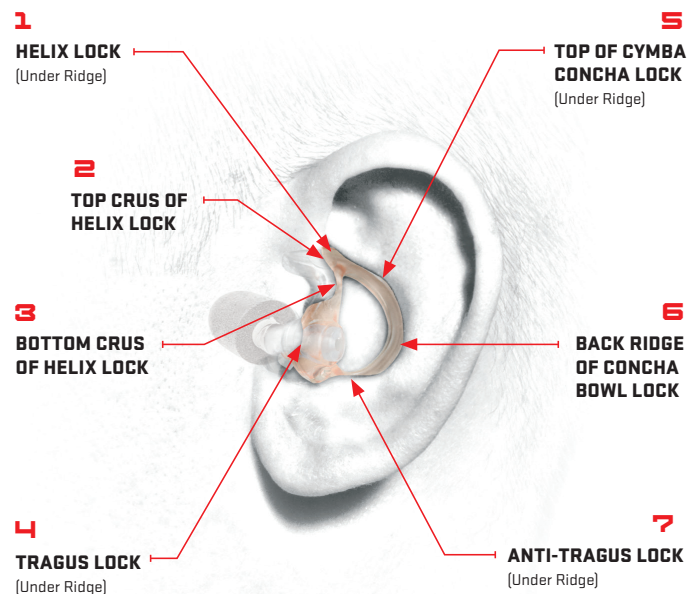
- 1 Loud, potentially harmful sound waves enter the filter.
- 2 Sound waves above 85dB hit the ridges inside the filter.
- 3 These sound waves reflect off the ridges of the narrowing walls and cancel themselves out.
- 4 Dangerous sound levels are reduced, and safe levels pass through.
- 5 The louder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

EP7 Sonic Defenders Ultra - 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)	9.5	10.6	18.7	26.9	34.6	34.3	30.8	36.1	41.1	14
Standard Deviation (dB)	4.2	3.1	3.5	3.6	4.1	2.6	4.4	4.3	2.9	

Noise Reduction Rating **14** Decibels
(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 EP7 Sonic Defenders® Ultra

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

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. EP7 Sonic Defenders Ultra 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. For swimming use we recommend polymer flange-stemmed Sonic Defenders® models.

EP7 Sonic Defenders Ultra - 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)	31.3	29.8	35.9	36.3	38.1	40.1	34.8	38.5	41.3	28
Standard Deviation (dB)	3.7	2.9	3.6	3.6	2.8	4.2	3.5	4.8	4.4	

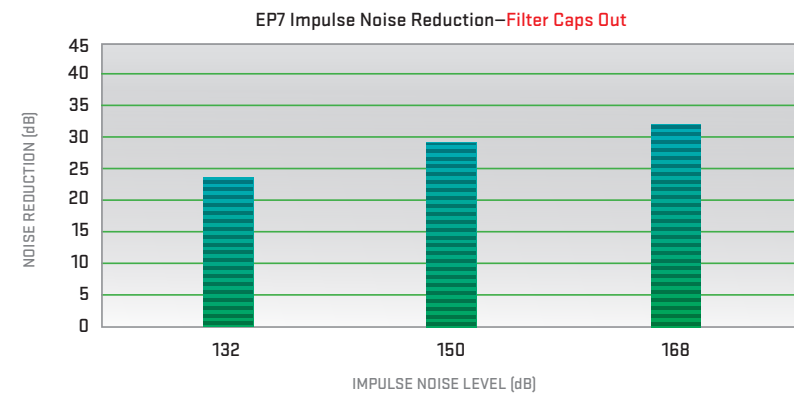
Noise Reduction Rating **28** Decibels
(when used as directed)

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

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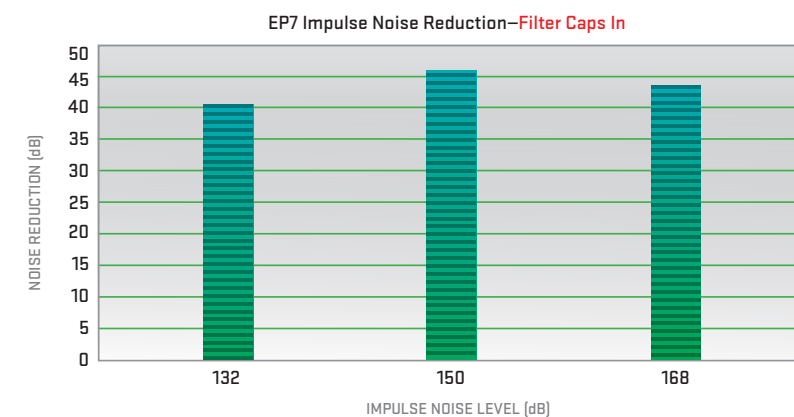
IMPULSE NOISE DATA



Average Peak Impulse Level dB Reduction

132 dB Overall Average PIL	24.5
150 dB Overall Average PIL	29.3
168 dB Overall Average PIL	32.1

ANSI S12.42-2010



Average Peak Impulse Level dB Reduction

132 dB Overall Average PIL	41.8
150 dB Overall Average PIL	45.3
168 dB Overall Average PIL	44.9

ANSI S12.42-2010