QUANTURA
THE SCIENCE OF SAFETY

PRODUCT DATASHEET
Hearing Protection

SNR
−38 dB

BULK REFILL PACK

Sonara™ Refill

QNT-SNR-150 Disposable PU Earplugs — 500 Pairs

CE APPROVED | ANSI S3.19



SNR **38 dB**

NRR **32 dB**

SPECIFICATIONS

Material	Slow-rebound PU foam
Surface	Smooth, non-irritating, skin-friendly finish
Noise Reduction	SNR 38 dB / NRR 32 dB
Shape	Bullet shape for easy insertion
Feature	Low pressure, comfortable for long-time wearing
Certification	CE EN 352-2:2020 / ANSI S3.19
Packing	500 pairs per transparent zipper bag

STANDARD PACKAGING

Earplugs	500 pairs per transparent zipper bag
Carton	10 zipper bags · 66 × 42 × 21 cm

APPLICATIONS

Compliant with relevant PPE standards against hazardous noise exposure.

Manufacturing · Construction · Airport Ground Service · Mining · Shooting Ranges · Sleeping · Studying · Travelling

CORE ADVANTAGES

01 High Noise Attenuation

SNR 38 dB / NRR 32 dB effectively blocks harmful continuous industrial noise, providing reliable hearing protection in high-noise working environments.

02 Premium Slow-rebound PU Foam

Super-soft PU foam rolls thin for easy insertion, then slowly expands to form a tight seal — low pressure and comfortable for long wear. Skin-friendly and non-irritating.

03 Tapered Bullet Shape

The classic bullet profile fits most ear canal sizes and seals stably, without falling out during head movement. Simple for workers to insert.

04 Bulk Refill Bag for Dispenser

A large zipper refill bag that perfectly matches the Sonara™ Station earplug dispenser, reducing packaging waste and overall PPE procurement cost.

EN 352-2:2020 · ATTENUATION DATA

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	30.1	34.2	41.0	41.7	38.2	45.2	45.7
Standard deviation (dB)	3.9	4.0	4.1	4.7	3.0	4.1	4.6
APV (dB)	26.2	30.2	36.9	37.0	35.2	41.0	41.1

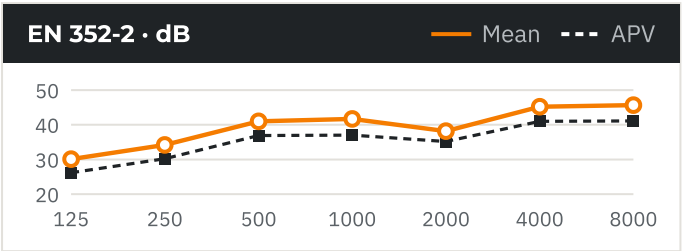
SNR
38 dB

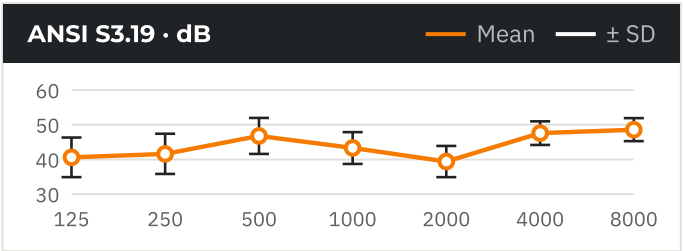
SNR = 38 dB	H = 37 dB	M = 36 dB	L = 32 dB
SNRm 40.8 · SNRs 2.9 dB	Hm 40.1 · Hs 2.9 dB	Mm 39.5 · Ms 3.2 dB	Lm 36 · Ls 3.6 dB

ANSI S3.19-1974 · ATTENUATION DATA

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	40.6	41.6	46.8	43.3	39.4	47.6	48.6
Standard deviation (dB)	5.7	5.8	5.2	4.6	4.5	3.4	3.3

NRR
32 dB





USER INSTRUCTIONS

Allow **30–40 seconds** for the foam to expand; rebound time varies in very hot or cold conditions.



1. Roll into a small cylinder
2. Pull ear up and back
3. Insert well into ear canal
4. Hold until it expands
5. Incorrect fitting

Important: If these instructions are not followed, the protection provided will be considerably reduced. Remove earplugs slowly with a twisting motion to gradually break the seal — rapid removal may damage the eardrum. Inspect regularly and replace damaged plugs immediately. Not recommended for diving. Keep away from children — choking hazard.

NRR EXAMPLE

1. The environmental noise level as measured at the ear is 92 dBA.
2. The NRR is 24 decibels (dB).
3. The level of noise entering the ear is approximately equal to 68 dBA.

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.

CE 2777
EN 352-2:2020

ANSI S3.19-1974

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