QUANTURA
THE SCIENCE OF SAFETY

PRODUCT DATASHEET
Hearing Protection

SNR
−38 dB

DISPOSABLE FOAM EARPLUGS

Sonara™

QNT-SNR-100 Standard Disposable PU Earplugs

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	Individually wrapped

STANDARD PACKAGING

Earplugs	Individual polybag per pair
Color box	200 pairs · 165 × 113 × 280 mm
Carton	10 boxes · 59.5 × 35 × 30 cm

APPLICATIONS

Construction, Logistics, Mechanics, Workshop, Garage, Machinery, Airport etc.

Colliery | Construction | Manufacturing | Heavy Machinery | Electric Chainsaw | Railway | Airport | Gardening

CORE ADVANTAGES

01 Slow-rebound PU Foam Material

High-quality soft PU foam. Squeezes easily and expands slowly inside the ear canal for a perfect seal. Low-pressure design avoids ear ache during long-time wearing. Tear-resistant foam extends service life.

02 Reliable Hearing Protection Performance

High noise reduction of SNR 38 dB / NRR 32 dB effectively blocks hazardous industrial noise, protecting the user's hearing from long-term loud-noise damage. Ideal for high-noise workplaces.

03 Comfort & Skin-friendly

Non-irritant soft foam surface with no sharp edges. Lightweight and suitable for all-shift, long-time wearing.

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
SNRm 40.8 · SNRs 2.9 dB

H = 37 dB
Hm 40.1 · Hs 2.9 dB

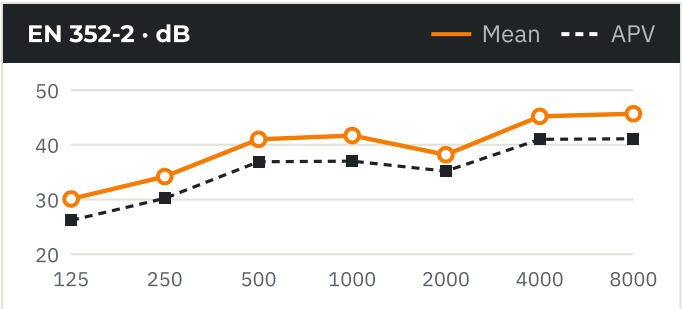
M = 36 dB
Mm 39.5 · Ms 3.2 dB

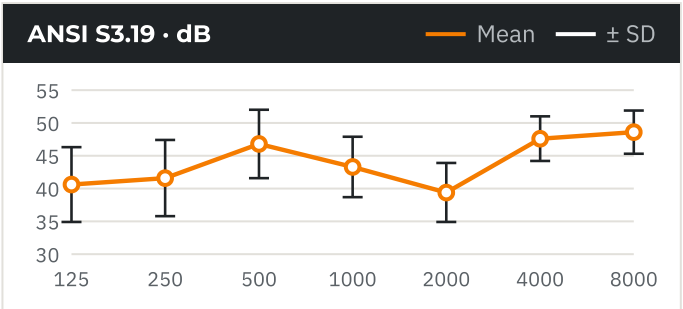
L = 32 dB
Lm 36 · Ls 3.6 dB

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

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

Notified Body: SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Dublin, D15 YN2P, Ireland. Notified Body No. 2777. SATRA Technology Europe is responsible for both EU type examination & ongoing conformity.