QUANTURA
THE SCIENCE OF SAFETY

PRODUCT DATASHEET
Hearing Protection

REUSABLE EARPLUGS

Sonara™ Flex

QNT-SNR-120 Premium TPE Corded Earplugs

CE APPROVED | ANSI S3.19





SNR **32 dB**

NRR **26 dB**

SPECIFICATIONS

Material	Earplug body: soft non-toxic TPE; Cord: blue PVC plastic string
Shape	3-tier umbrella / triple-flange design, ergonomic shape
Noise Reduction	SNR 32 dB / NRR 26 dB
Feature	Reusable & washable, flexible, waterproof, easy to insert and remove
Certification	CE EN 352-2:2020 / ANSI S3.19
Packing	Individually wrapped

STANDARD PACKAGING

Earplugs	Individual polybag per pair
Color box	100 pairs · 165 × 113 × 280 mm
Carton	10 boxes · 59.5 × 35 × 30 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 Triple-flange Multi-layer Seal

Three umbrella-shaped flanges form a tight acoustic seal against the ear canal walls, achieving reliable SNR 32 dB / NRR 26 dB noise reduction. Attenuation stays stable even during head movement.

02 Premium Soft TPE, Reusable & Washable

TPE is flexible, skin-friendly and non-irritating. The earplugs can be washed and reused repeatedly, greatly cutting long-term cost. Waterproof, so suited to both noise protection and swimming.

03 Durable Blue PVC Connecting Cord

The integrated PVC cord joins the two earplugs, preventing loss when workers take them on and off frequently. Its smooth surface resists tangling.

04 Ergonomic Handle for Easy Use

A solid tail handle gives a simple grip for insertion and removal. Soft flanges deliver comfortable all-shift wear without sharp ear pressure. Compatible with safety glasses and hard hats.

EN 352-2:2020 · ATTENUATION DATA

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	34.7	31.0	35.7	33.3	33.8	34.7	43.2
Standard deviation (dB)	5.5	5.2	5.0	3.9	4.1	4.4	4.1
APV (dB)	29.2	25.8	30.8	29.4	29.7	30.3	39.1

SNR
32 dB

SNR = 32 dB
SNRm 34.8 · SNRs 3.0 dB

H = 32 dB
Hm 33.9 · Hs 3.1 dB

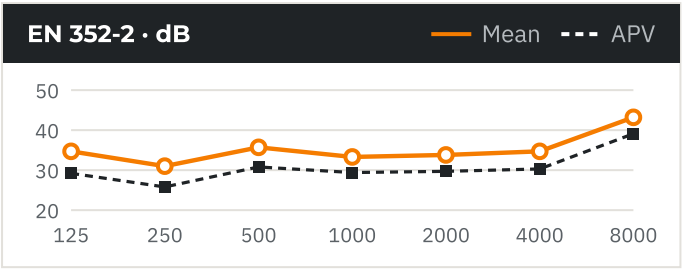
M = 30 dB
Mm 33.3 · Ms 3.2 dB

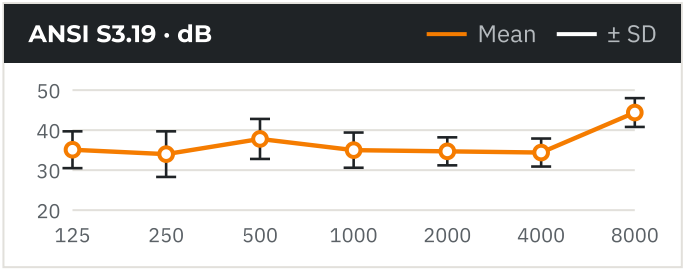
L = 29 dB
Lm 32.7 · Ls 3.9 dB

ANSI S3.19-1974 · ATTENUATION DATA

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	35.1	34.0	37.8	35.0	34.7	34.4	44.4
Standard deviation (dB)	4.6	5.7	5.0	4.4	3.5	3.5	3.6

NRR
26 dB





USER INSTRUCTIONS

Wear at all times in noisy environments (above 80 dB), choosing protectors by their attenuation against the ambient noise. Ensure they are correctly fitted, adjusted, maintained and inspected.



1. Wash hands; ensure earplugs are clean
2. Gently pull ear up and back
3. Insert tip well into ear canal
4. Correct: stem tip may be visible
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

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