QUANTURA
THE SCIENCE OF SAFETY

PRODUCT DATASHEET
Hearing Protection

SNR
−33 dB

FOLDABLE OVER-THE-HEAD

Fonia™ Pro

QNT-FON-110 Foldable Premium Earmuff

CE APPROVED | ANSI S3.19



SNR	NRR
33 dB	26 dB

SPECIFICATIONS

Material	Cups: ABS; Headband: steel and plastic; Cushion: PU with foam inside
Color	Ear cup: black with orange accent stripes; Headband: black
Noise Reduction	SNR 33 dB / NRR 26 dB
Feature	Height-adjustable headband, lightweight, padded top cushion, foldable design, replaceable ear cushions
Certification	CE EN 352-1:2020 / ANSI S3.19
Packing	Individually wrapped

STANDARD PACKAGING

Earmuff	Individual color box per unit
Color box	1 unit · 16 × 10.5 × 14.5 cm
Carton	20 boxes · 55 × 34 × 31 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-efficiency Noise Attenuation
Offers SNR 33 dB / NRR 26 dB noise reduction, blocking harmful continuous industrial noise to protect hearing.

02 Adjustable Padded Headband
The flexible headband with foam top padding adjusts in height to fit different head sizes, reducing head pressure during all-shift wear.

03 Comfortable Sealing Ear Cushions
Soft PU foam ear pads create a full perimeter seal around the ears, with good air-tightness and low compression for long wear. Cushions are replaceable once worn.

04 Robust ABS Ear Cup Housing
The tough ABS shell resists impact and scratches, while the stainless steel wire bracket keeps a stable clamping force.

05 Compatible with Other PPE
Can be worn with safety glasses, face shields and dust masks — widely used across high-noise industrial environments.

EN 352-1:2020 · ATTENUATION DATA

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	15.5	25.7	33.0	39.8	36.1	39.5	35.7
Standard deviation (dB)	1.6	2.2	2.8	3.3	2.4	3.4	2.2
APV (dB)	13.9	23.5	30.2	36.5	33.8	36.1	33.4

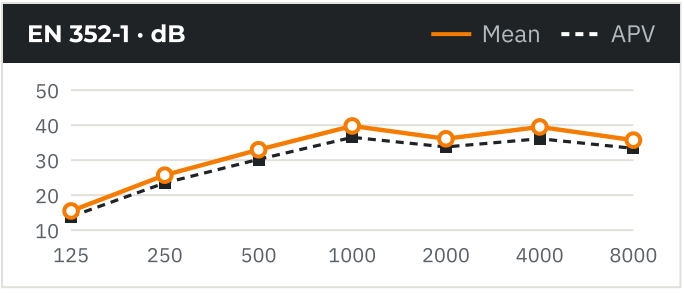
SNR **33 dB**

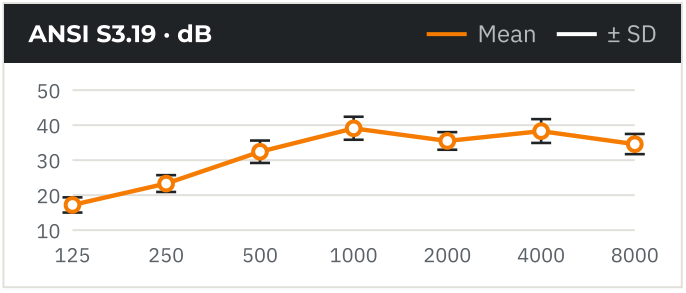
SNR = 33 dB	H = 35 dB	M = 32 dB	L = 23 dB
SNRm 34.5 · SNRs 1.6 dB	Hm 37.4 · Hs 2.0 dB	Mm 33.2 · Ms 1.7 dB	Lm 24.2 · Ls 1.5 dB

ANSI S3.19-1974 · ATTENUATION DATA

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	17.2	23.3	32.4	39.1	35.5	38.3	34.6
Standard deviation (dB)	2.2	2.4	3.2	3.3	2.5	3.4	2.9

NRR **26 dB**





USER INSTRUCTIONS

Worn over the head — when worn correctly, the headband rests on top of the head.



1. Pull the cups outward and place over your ears so the cushions fully enclose them and seal tightly against the head.



2. Adjust the height of each cup while holding the headband down, until you have a tight and comfortable fit.



3. The headband should sit straight on top of the head.

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 352-1:2020

ANSI S3.19-1974

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