

Sordin Supreme Pro-X Neckband

Electronic hearing protector for hunting and shooting

Neckband



DESCRIPTION

Sordin Supreme Pro-X Neckband is an electronic hearing protector designed specifically for hunting and shooting. The neckband offers a comfortable fit as it reduces the pressure on the head, while offering safe noise attenuation. It uses digital audio technology to compress impulse noise to a secure level of 82 dB(A), while harmless surrounding sound is amplified and volume controlled using an external keypad on the right-hand cup.

Sordin Supreme Pro-X Neckband is renowned for its extremely robust design and superior audio quality. The ambient sound is reproduced naturally and with high directional sensitivity. These capabilities help hunters not only to safely protect their hearing, but also improve their ability to detect even very faint sounds coming from game animals.

AVAILABLE IN

☒ Black

☐ Green



82 82dB(A)
dB Sound limit cut

KEY FEATURES

Neckband comfort	Comfortable fit due to reduced pressure on the head
Cup design	Slim design, suitable for both right- and left-handed shooters
Maximum 82 dB	Loud impulse noise automatically compressed to maximum 82 dB
Audio system	SordinHEAR2 offers excellent sound quality and four audio profiles – Hunting, Shooting, Focus and Comms
Ambient sound	Amplifying harmless ambient sound while protecting against harmful noise
Audio input	3.5-mm AUX input for connection of an external digital device such as a mobile phone or hunting radio
Audio quality	High audio quality, natural ambient sound reproduction
Warranty	5-year warranty (electronics only)
External keypad	Easy-to-use push buttons to operate the electronic functions
Waterproof microphones	The externally mounted microphones are water proof (IP 67 tested)
Auto power off	Automatic switch-off after 4 hours if no button has been pressed, saving battery time
Low battery warning	Low battery warning when approximately 40 hours is left of the battery time
Robust electronics	The electronic circuits are encapsulated in multiple layers of lacquer and polymer for increased robustness

MATERIALS

Neckband	Stainless spring steel
Neckband net	Polyethylene
Cups	ABS
Inserts	Polyether foam
Sealing cushion	PVC foam (TPU (Thermoplastic Polyurethane) foil covered, HTPB (Hydroxyl Terminated Polybutadiene) filling) (Gel rings are available as accessories)

TECHNICAL INFORMATION

Batteries	2 x 1.5 V AAA/LR03, estimated operating time is around 400 hours
Level Dependent microphone frequency response	100 Hz – 10 KHz
Loudspeakers / loudspeaker response	2 x 32 Ohm / 20 Hz – 20 KHz
Operating conditions:	-20°C to +50°C
Max audio signal allowed from the connected radio to not exceed 82 dB(A) through the speakers	399 mVrms
Weight (excluding/including batteries)	267/292 gram
Complies with following environmental directives	RoHS, WEEE

EU TYPE EXAMINATION CERTIFICATE

Product Assessments: Supreme Pro-X neckband

The product assessments were based on the following standards:

EN 352-1:2020, hearing protectors - ear-muffs

EN 352-4:2020, hearing protectors - level-dependent ear-muffs

EN 352-6:2020, hearing protectors - ear-muffs with safety related audio input

EN 352-1:2020 - Attenuation values PVC Cushions all models



No. CE 708669

ATTENUATION DATA

Foam sealing rings

	H		M		L		SNR	
	25 dB		21 dB		16 dB		24 dB	
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	14.9	14.3	14.8	22.9	26.6	25.4	35.5	35.3
Standard Deviation, s_f (dB)	3.8	3.3	2.9	2.8	3.3	3.1	3.5	3.6
APV ($M_f - s_f$) (dB)	11.2	11.0	11.9	20.1	23.3	22.3	31.9	31.7

Gel sealing rings (accessorie)

	H		M		L		SNR	
	26 dB		23 dB		19 dB		25 dB	
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	17.0	16.9	20.0	23.9	26.7	26.6	35.5	38.0
Standard Deviation, s_f (dB)	4.5	3.3	3.1	3.8	3.3	3.1	4.5	4.9
APV ($M_f - s_f$) (dB)	12.4	13.7	16.9	20.1	23.4	23.5	31.0	33.1

Criterion Levels (dB(A))

Model	H	M	L
Neckband version	112	105	94

Earmuff Sizes

Model	Approved sizes
Headband version	S, M, L

ATTENUATION DATA ANSI S3.19-1974

Foam sealing rings

	NRR								
	19 dB								
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	13.9	17.3	23.6	26.5	25.0	31.4	35.8	36.8	35.6
Standard deviation dB(A)	3.6	2.3	2.4	2.9	2.1	3.5	3.5	3.2	3.5

Gel sealing rings (accessorie)

	NRR								
	19 dB								
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	14.9	17.1	23.7	28.2	27.6	35.8	38.6	39.6	38.7
Standard deviation dB(A)	3.5	3.0	2.0	3.2	3.3	3.0	3.5	2.7	3.6

AUDIO PROFILES MODE DESCRIPTION

The Sordin excellent sound system – SordinHEAR2, is integrated in the latest Supreme models Pro-X and Pro-X LED (2023 editions). At its heart – four new audio profiles that further enhance your sound experience.



Hunting

Hunting is the main audio profile for general purposes. The sound image is optimized for a normal hunting day, balancing clear ambient sound such as speech with comfortable low-noise audio.

Shooting

Shooting is a comfort profile with lower gain and a narrower audible frequency spectrum. Perfect when normal situational awareness is sufficient, e.g. in shooting training at the range.

Focus

Focus is your full-alert profile. It features high amplification and a wider frequency spectrum for highest situational awareness. Use this audio profile e.g. in the hunting tower to sharpen your senses before your shot.

Comms

In Comms, ambient sound is deactivated and your hearing protector uses passive protection only. However, the 3.5-mm AUX input is active allowing for clear communication even in noisy environments.

ORDERING INFORMATION

Sordin Supreme Pro-X neckband

Product no	Version	Cup color	Sealing rings
76302-X-S	Sordin Supreme Pro-X neckband Green	Green	Foam
76302-X-02-S	Sordin Supreme Pro-X neckband Black	Black	Foam

Accessories

Product no	Version
60089-S	Sordin Supreme Hygien Kit PVC (foam) – 1 pair of gel rings, 1 pair of inserts
60092-S	Sordin Supreme Hygien Kit GEL – 1 pair of gel rings, 1 pair of inserts