

Sordin Seal

Passive hearing protector with medium-level attenuation

Headband version | Helmet version



DESCRIPTION

Sordin Seal is a passive hearing protector with a noise attenuation level between medium and high. Its efficient attenuation capability makes it suitable for many industrial applications. With its modern design, Sordin Seal is a high-quality yet cost-effective product.

Sordin Seal is lightweight for its attenuation and fits comfortably around the ears. The specially designed sealing rings ensure a tight fit even below the ear, where many conventional designs fall short. The sealing rings are free of PVC which makes Sordin Seal an ecologically sound choice. The product is available in headband or helmet version.

AVAILABLE IN



Black



Hi-Wiz

KEY FEATURES

Attenuation level	Medium/high – for noise levels appr. 100–120 dB(A)
Cups	Large volume inside the cups for comfortable wearing.
Sealing rings	PVC-free. Specially designed for a tight fit all around the ear.
Headband	The headband is made of dielectric material, reducing the discomfort of static.
Support band	The headband is complemented by a support band which allows for a firm fit.
Modern design	Modern design – lightweight with excellent attenuation and comfort.

MATERIALS

Cups	ABS
Attenuation foam	PU
Sealing cushion	ABS, PP, TPE, PU foam
Headband	POM
Cup supporting arm	PA
Support band	TPE
Adapter	PA
Holder	PA
Spring cover	PP
Spring	Stainless steel

TECHNICAL INFORMATION

Weight – headband / helmet	236 / 233 grams
Operating conditions	-20°C to +55°C
Complies with following environmental directives	REACH

EN APPROVAL

Tests and certificates

The products meet the Essential Health and Safety Requirements as laid out in Annex II and conforms with quality assurance of the production process, module D, laid out in Annex VIII of the PPE-regulation (EU) 2016/425. CE markings are in accordance with EN 352-1:2020 and EN 352-3:2020. The products are approved to modules B and D by BSI (NB 2797), BSI Group The Netherlands B.V. Say Building, John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands.



ATTENUATION DATA

Sordin Seal headband



Frequency (Hz)	63	125	250	500	1 000	2 000	4 000	8 000
Mean attenuation, M_f (dB)	18.6	19.7	20.8	27.8	32.6	32.7	39.8	40.0
Standard Deviation, s_f (dB)	3.0	2.1	1.8	2.4	2.3	2.0	2.7	2.5
APV ($M_f - s_f$) (dB)	15.6	17.5	19.0	25.4	30.3	30.7	37.1	37.5

H	M	L	SNR	NRR
33 dB	28 dB	22 dB	31 dB	25 dB

Sordin Seal helmet



Frequency (Hz)	63	125	250	500	1 000	2 000	4 000	8 000
Mean attenuation, M_f (dB)	18.2	18.9	20.3	26.3	31.2	33.1	40.3	40.3
Standard Deviation, s_f (dB)	3.1	2.4	2.1	2.5	1.8	3.0	3.5	3.6
APV ($M_f - s_f$) (dB)	15.1	16.5	18.2	23.8	29.4	30.1	36.9	36.6

H	M	L	SNR	NRR
33 dB	27 dB	22 dB	30 dB	24 dB

Approved helmet combinations

Model	Adapter type number	Approved sizes
Petzl Vertex Helmet	21	S/M/L

For latest supported helmet combinations, please visit www.sordin.com/seal

ORDERING INFORMATION

Sordin Seal

Product no	Version	Color	Ring
814004	Sordin Seal headband black	Black	Foam
814007-10T	Sordin Seal headband hi-wiz	Hi-Wiz	Foam
814004-3021T	Sordin Seal helmet black – adapter 21	Black	Foam

Accessories

Product no	Version
81H-4001T	Hygiene kit Sordin Seal – 1 pair of foam rings, 1 pair of inserts (for all Sordin Seal versions)