

## 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

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

## MATERIALS

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

## TECHNICAL INFORMATION

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

## A SORDINCARE PRODUCT

The Sordin Classic family is covered by the SordinCARE concept. SordinCARE is a new way of looking at workplace health, safety and productivity at work. We help organizations explore the opportunities provided by individually selected hearing protectors. We offer a wide product range designed for professional use, along with customer support ranging from noise measurement to tailoring communication solutions for mobile workteams. Let us help you take care of your people.



# 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



	H	M	L	SNR	NRR			
	33 dB	28 dB	22 dB	31 dB	25 dB			
<b>Frequency (Hz)</b>	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1 000</b>	<b>2 000</b>	<b>4 000</b>	<b>8 000</b>
<b>Mean attenuation, <math>M_f</math> (dB)</b>	18.6	19.7	20.8	27.8	32.6	32.7	39.8	40.0
<b>Standard Deviation, <math>s_f</math> (dB)</b>	3.0	2.1	1.8	2.4	2.3	2.0	2.7	2.5
<b>APV (<math>M_f - s_f</math>) (dB)</b>	15.6	17.5	19.0	25.4	30.3	30.7	37.1	37.5

### Sordin Seal helmet



	H	M	L	SNR	NRR			
	33 dB	27 dB	22 dB	30 dB	24 dB			
<b>Frequency (Hz)</b>	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1 000</b>	<b>2 000</b>	<b>4 000</b>	<b>8 000</b>
<b>Mean attenuation, <math>M_f</math> (dB)</b>	18.2	18.9	20.3	26.3	31.2	33.1	40.3	40.3
<b>Standard Deviation, <math>s_f</math> (dB)</b>	3.1	2.4	2.1	2.5	1.8	3.0	3.5	3.6
<b>APV (<math>M_f - s_f</math>) (dB)</b>	15.1	16.5	18.2	23.8	29.4	30.1	36.9	36.6

## 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](http://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)