

## 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 foam
<b>Sealing cushion</b>	ABS, PP, TPE, PU
<b>Headband</b>	POM
<b>Cup supporting arm</b>	PA
<b>Adapter / holder</b>	PA / PA
<b>Spring cover</b>	PP
<b>Spring and screws</b>	Stainless steel

## TECHNICAL INFORMATION

<b>Weight – headband / helmet</b>	250 / 250 grams
<b>Operating conditions</b>	-20°C to +50°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

Tested and certified to EN 352-1:2002, and EN 352-3:2002  
 Certificates: CE 708874 (headband version), CE 708880 (helmet mounted version)  
 Notified Body: BSI Netherlands (NB 2797)



## ATTENUATION DATA

### Sordin Seal headband

H	M	L	SNR
32 dB	27 dB	21 dB	<b>30 dB</b>



Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation, $M_f$ (dB)	10.6	23.7	29.7	35.0	33.1	39.0	41.7
Standard Deviation, $s_f$ (dB)	3.4	1.9	3.0	3.3	3.3	3.0	4.0
APV ( $M_f - s_f$ ) (dB)	17.2	21.8	26.7	31.7	29.8	36.0	37.7

### Sordin Seal helmet

H	M	L	SNR
31 dB	25 dB	20 dB	<b>28 dB</b>



Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation, $M_f$ (dB)	19.7	23.5	28.0	33.9	32.7	39.2	40.7
Standard Deviation, $s_f$ (dB)	3.3	2.9	2.9	2.8	2.8	3.7	3.7
APV ( $M_f - s_f$ ) (dB)	16.4	20.7	25.1	31.1	29.9	35.5	37.0

## Approved helmet combinations

For supported helmet combinations please visit [www.sordin.com/seal](http://www.sordin.com/seal)

## ATTENUATION DATA – ANSI APPROVAL (ANSI S3.19-1974)

### Sordin Seal headband

NRR
<b>25 dB</b>

Frequency (Hz)	125	250	500	1,000	2,000	3,150	4,000	6,300	8,000
Mean attenuation, $M_f$ (dB)	19.4	21.1	28.2	34.4	34.7	38.2	40.7	38.6	38.8
Standard deviation, $s_f$ (dB)	3.2	2.2	2.5	3.1	2.7	3.3	3.5	2.9	4.0

### Sordin Seal helmet (with MSA V-Gard helmet)

NRR
<b>23 dB</b>

Frequency (Hz)	125	250	500	1,000	2,000	3,150	4,000	6,300	8,000
Mean attenuation, $M_f$ (dB)	17.8	20.0	25.7	32.3	33.6	37.0	39.4	38.7	37.7
Standard deviation, $s_f$ (dB)	3.2	2.5	2.7	3.3	3.1	3.3	3.5	3.0	2.9

## ORDERING INFORMATION

### Sordin Seal

Product no	Version	Color	Ring
87000-04-S	Sordin Seal headband black	Black	Foam
87000-30-S	Sordin Seal headband hi-wiz	Hi-Wiz	Foam
87501-04-S	Sordin Seal helmet black – adapter 1	Black	Foam
87514-04-S	Sordin Seal helmet black – adapter 14	Black	Foam
87519-04-S	Sordin Seal helmet black – adapter 19	Black	Foam
87520-04-S	Sordin Seal helmet black – adapter 20	Black	Foam
87501-30-S	Sordin Seal helmet hi-wiz – adapter 1	Hi-Wiz	Foam
87519-30-S	Sordin Seal helmet hi-wiz – adapter 19	Hi-Wiz	Foam

What adapter do you need for your helmets. See latest list on [www.sordin.com/seal](http://www.sordin.com/seal)

### Accessories

Product no	Version
60087-S	Hygiene kit Sordin Seal – 1 pair of foam rings, 1 pair of inserts <i>(Foam cushion: TPE covered PU (Polyurethane) foam, Inserts/liners: Polyurethane)</i>