

Sordin Classic HPE

Passive hearing protector with high-level attenuation

Headband version | Helmet version



DESCRIPTION

Sordin Classic HPE is a passive hearing protector with excellent comfort and robustness. Thick, soft, foam-filled sealing rings offer good comfort and a perfect seal. Unique injection-molded inserts offer excellent attenuation and ample space for the ears inside the cup. The product can be combined with a selection of visors and is suitable for a wide range of industrial environments.

Sordin Classic HPE is designed for high-noise environments, where users are subjected to a noise level above 110 dB(A), particularly low-frequency noise. The product is available in headband or helmet version.

AVAILABLE IN

Black



KEY FEATURES

Attenuation level	High – noise level above 110 dB(A)
Headband	Padded and adjustable for high comfort and individual fit.
Mounting	Two-point mounting system ensures that pressure is distributed evenly around the sealing rings.
Inserts	Unique molded inserts offer excellent noise attenuation and maximum ear space inside the cups.

MATERIALS

Cups	ABS
Attenuation foam	PU
Foam sealing rings	ABS, PVC, PU foam
Headband	POM
Cup supporting arm	PA
Adapter, holder	PA
Spring cover	PP
Screws and screws	Stainless steel

TECHNICAL INFORMATION

Weight – headband / helmet	261 / 267 grams
Operating conditions	-20°C to +50°C
Complies with following environmental directives	REACH

EN APPROVAL

Tests and certificates

Tested and certified to EN 352-1:2002, EN 352-3:2002, EN 352-4/A1:2005 and EN 352-8:2008 IEC 62368-1 (EN 62368-1+A11), IEC 62133-2:2017 and 2014/53/EU Radio Equipment Directive RED Certificate: CE 737872 (headband and helmet versions).
Notified body: BSI Netherlands (NB 2797)



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.



ATTENUATION DATA

Sordin Classic HPE headband



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

H	M	L	SNR	NRR
32 dB	29 dB	23 dB	32 dB	n/a

Sordin Classic HPE helmet



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

H	M	L	SNR	NRR
32 dB	28 dB	22 dB	31 dB	n/a

Approved helmet combinations

For supported helmet combinations please visit www.sordin.com/classic

ORDERING INFORMATION

Sordin Classic HPE

Product no	Version	Color	Ring
22010-S	Sordin Classic HPE headband	Black	Foam
12010-S	Sordin Classic HPE helmet – adapter 1	Black	Foam
12014-S	Sordin Classic HPE helmet – adapter 2	Black	Foam
12022-S	Sordin Classic HPE helmet – adapter 3	Black	Foam
12016-S	Sordin Classic HPE helmet – adapter 14	Black	Foam
12015-S	Sordin Classic HPE helmet – adapter 15	Black	Foam
12012-S	Sordin Classic HPE helmet – adapter 17	Black	Foam
12019-S	Sordin Classic HPE helmet – adapter 19	Black	Foam

What adapter do you need for your helmets. See latest list on www.sordin.com/classic

Accessories

Product no	Version
60083-S	Hygiene kit Sordin Classic HPE – 1 pair of foam rings, 1 pair of inserts