

Sordin Sharp

STAYING ALERT AT WORK

 Bluetooth®

 FM radio

 Ambient sound



SORDIN

Specifications

MATERIALS

Cups	ABS, TPE	Support band	TPE
Attenuation foam	PU foam	Adapter, holder	PA
Foam sealing rings	ABS, PP, TPE, PU foam	Spring cover	PP
Gel sealing rings	ABS, PVC foil, silicone gel	Spring	Stainless steel
Headband	POM	Screws	Stainless steel
Cup supporting arm	PA	Textile sleeve	PA, TPU, PE foam

TECHNICAL INFORMATION

Batteries	Built-in rechargeable Li-ion battery (2,000 mAh). Estimated operating time: 36 hours. 60 min charging gives minimum 8 hours usage time. USB-C cable for charging included. <i>(Only charge the batteries between temperatures 0°C to +40°C.)</i>
Operating conditions	-20°C to +55°C
Weight headband / helmet version	Foam: 387 gram / 387 gram Gel: 428 gram / 429 gram
Complies with following environmental directives	RoHS, WEEE
Bluetooth profiles	Bluetooth 5 certified with A2DP (streaming), and HSP HFP (headset) support
IP class	IP 44 (Sharp) IP 67 (noise-cancelling boom microphone – accessory)

PRODUCT VARIANTS

Product no	Version	Cup color	Ring
84000-04-S	Sordin Sharp headband version, foam, black	Black	Foam
84000-04-G-S	Sordin Sharp headband version, gel, black	Black	Gel
84520-04-S	Sordin Sharp helmet version, adapter 20, foam, black	Black	Foam
84520-04-G-S	Sordin Sharp helmet version, adapter 20, gel, black	Black	Gel

ACCESSORIES

60050-S	Hygiene kit, foam sealing rings – 1 pair of foam rings, 1 pair of inserts <i>(Foam ring: TPE (thermoplastic elastomer) covered PU (polyurethane) foam. Inserts: PU foam.)</i>
60051-S	Hygiene kit, gel sealing rings – 1 pair of gel rings, 1 pair of inserts <i>(Gel ring: TPU (thermoplastic polyurethane) covered silicone gel. Inserts: PU foam.)</i>
60125-S	Textile sleeve for Sordin Sharp headband version
60126-S	Boom microphone <i>(Optional communication boom microphone for best noise suppression in high-noise environments.)</i>

EN APPROVALS

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)



ATTENUATION DATA

Headband version, foam sealing ring

H=35 dB | M=26 dB | L=19 dB | SNR=29 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation, M_i (dB)	17.2	17.9	24.6	30.8	35.9	43.9	42.6
Standard deviation, s_i (dB)	2.3	2.4	2.1	2.4	2.5	3.8	2.3
APV (M_i-s_i) (dB)	14.9	15.5	22.6	28.3	33.4	40.1	40.3

Headband version, gel sealing ring

H=35 dB | M=26 dB | L=19 dB | SNR=29 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation, M_i (dB)	16.6	18.0	25.3	31.3	37.0	44.9	44.9
Standard deviation, s_i (dB)	2.9	1.7	2.4	2.7	2.7	3.7	2.8
APV (M_i-s_i) (dB)	13.7	16.4	22.9	28.6	34.4	41.2	42.1

Helmet version, foam sealing ring

H=33 dB | M=25 dB | L=19 dB | SNR=28 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation, M_i (dB)	18.8	18.7	24.5	30.0	36.2	45.0	40.8
Standard deviation, s_i (dB)	3.0	3.2	3.1	2.9	2.6	4.7	4.9
APV (M_i-s_i) (dB)	15.8	15.4	21.4	27.1	33.6	40.4	36.0

Helmet version, gel sealing ring

H=35 dB | M=25 dB | L=18 dB | SNR=28 dB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation, M_i (dB)	17.1	17.5	25.5	31.9	36.5	47.2	46.7
Standard deviation, s_i (dB)	3.4	2.7	3.1	3.3	3.0	2.7	2.8
APV (M_i-s_i) (dB)	13.7	14.8	22.4	28.7	33.5	44.5	43.9

APPROVED HELMET COMBINATIONS

Helmet model	Adapter no	Approved sizes
Petzl Vertex	20	S, M, L
Petzl Strato	20	S, M, L
Kask Zenith	20	S, M, L
MSA V-Gard H1	20	S, M, L
3M SecureFit X5000VE	20	S, M, L
JSP EVO Vista	20	S, M, L

CRITERION LEVELS (dB)

Model	H	M	L
Headband version	116.6	105.5	97.1
Helmet version	116.3	104.9	95.3