

SORDIN



SmartEar™

PROTECTIVE FILTER EARPLUGS

SmartEar™ is designed as Personal Protection Equipment for noisy working environments such machine shops, factories and construction.

The sound level will be reduced by 20 dB, making it safe for 8 hours continuous use in any environment up to 105 dB. These earplugs can be combined with earmuffs in very loud situations where double protection is a requirement.



SNR
19 dB
sound
attenuation

Sound Technology by
**DYNAMIC
EAR COMPANY**



**Dedicated
Components**

SmartEar™ by Sordin

By allowing air into the ear to reduce ear canal irritation, the wearer retains sound directionality and spatiality, critical in industrial situations. Combined with its small size and comfortable medical grade ear tips, it is ideal for all-day use, fitting unobtrusively under communications headsets or earmuffs.

A PERFECT FIT IS GUARANTEED

Medium and Large eartips included. (Filters are mounted in the large eartips.)

HYGIENIC

Acoustic filters are fitted with advanced technology mesh, ensuring your ears will remain well ventilated at all times.

HYPOALLERGENIC

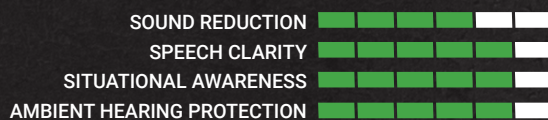
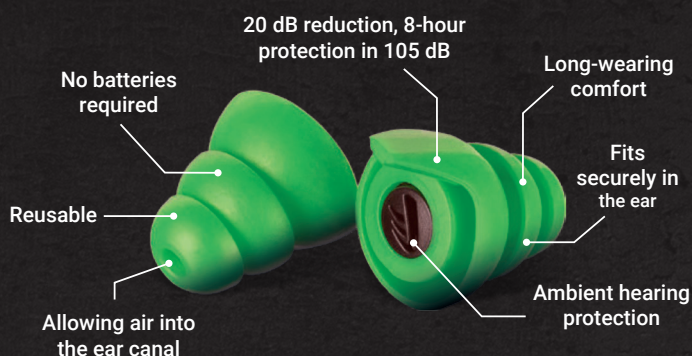
The earplug is made of medical grade TPE.

VALUE FOR MONEY

SmartEar™ earplugs can be used multiple times.

NATURAL SOUND

Natural hearing is preserved, which facilitates situational awareness.



(DE) wiederverwendbarer Ohrstöpsel (IT) tappi per le orecchie riutilizzabili
(FR) bouchon d'oreille réutilisable (ES) tapones reutilizables
(FI) uudelleenkäytettävät korvatulpat (SE) återanvändningsbara öronproppar

Noise Reduction Rating

14 DECIBELS
(when used as directed)

THE RANGE OF NOISE REDUCTION RATINGS FOR EXISTING HEARING PROTECTORS IS APPROXIMATELY 0 TO 30 (HIGHER NUMBERS DENOTE GREATER EFFECTIVENESS)

DYNAMIC EAR COMPANY
DELFT, THE NETHERLANDS

N-EAR
HEAVY INDUSTRY 20

Federal law prohibits
removal of this label
prior to purchase



LABEL REQUIRED BY
U.S. EPA REGULATION
40 CFR Part 211, Subpart B

INCLUDED

ear tip sizes (nominal diameter)

Medium / Large
6-11 mm / 7-12 mm

Sound Technology by
DYNAMIC EAR COMPANY

CE 1974

DI 20

Item no: 27171-08-S

EN 352-2:2020

For additional information, visit
www.sordin.com or contact Sordin AB,
Rörläggarvägen 8, SE-331 53 Värnamo, Sweden

UK
CA

CERTIFICATION DATA	SNR	H	M	L	NRR
Mean Attenuation (dB)	24.1	24.3	22.5	20.5	-
Standard Deviation (dB)	2.2	2.2	2.4	2.2	-
Value (dB)	22	22	20	18	14

Dynamic Ear Company declares that the hearing protection is in compliance with PPE regulation EU 2016/425. The full text of the EU declaration of conformity can be found at: www.dynamic-ear.com/content/doc-so1.pdf

CE CERTIFICATION DATA - EU STANDARDS

F (Hz)	63	125	250	500	1000	2000	4000	8000
MA (dB)	17.9	18.2	18.9	21.1	23.1	27.8	22.2	30.3
SD (dB)	3.7	2.4	2.8	3.1	3.3	3.3	3.0	4.6
APV (dB)	14.2	15.8	16.1	18.0	19.8	24.5	19.2	25.7

ANSI CERTIFICATION DATA - US STANDARDS

F (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
MA (dB)	19.2	18.8	19.1	22.0	28.5	29.1	24.8	21.1	24.3
SD (dB)	3.0	2.7	3.7	3.5	3.6	4.6	3.8	3.0	3.8
APV (dB)	13.2	13.4	11.7	15.0	21.3	-	18.6	-	15.9

The test according to EN 352-2:2002 and certification to the regulation EU 2016/425 and the production control module D was performed by PZT GmbH, Bismarckstraße 264 B, 26389 Wilhelmshaven, #1974, Germany.

- It is important that the ear tip seals the ear canal correctly in order to achieve the designed attenuation level.
- Read instructions carefully before use.
- Two (2) year limited warranty.
- Developed and manufactured in The Netherlands.



IMPORTANT: Read instructions carefully before use. Manufacturer according to the regulation EU 2016/425: Dynamic Ear Company, Delftechpark 9, 2628 XJ, Delft, The Netherlands. Seller according to the regulation EU 2016/425: Sordin AB, Rörläggarvägen 8, SE-331 53 Värnamo, Sweden

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