

# SAVOX



**Spirex**  
Safety technologies

[www.spirex.es](http://www.spirex.es)

## PROTECCION AUDITIVA ACTIVA Y COMUNICACIONES

*Silenta es un fabricante finlandés con 50 años de experiencia en la fabricación y desarrollo de protectores auditivos fiables y cómodos para necesidades industriales, militares y de tiempo libre.*

# SAVOX FACTS AND FIGURES

4 CENTRES OF  
EXCELLENCE

40M€ TURNOVER

HEADQUARTER  
IN FINLAND

300 EMPLOYEES  
WORLDWIDE

EXTENSIVE MANUFACTURING  
CAPABILITIES

# SAVOX HEARING PROTECTION SOLUTIONS OFFER SAFE COMMUNICATION IN ALL SITUATIONS

Savox Communications is a critical communications company. We provide smart technology solutions to create situational awareness and enhance communication and collaboration in all situations. Our solutions save lives, protect people and property and enhance the efficiency and quality of work of professional teams around the world.

Safety and security are pressing issues in today's world. We help make the world a safer place by providing a variety of reliable communication equipment for professionals working in demanding conditions.

Our product portfolio includes a unique combination of products from hearing protection devices to communication accessories for two-way radios and LTE devices. As a globally recognized communications brand, Savox accessories are widely used by professionals around the world.

The health and safety of industrial workers is an increasingly important issue and noise exposure needs to be limited to

**SILENTA HEARING  
PROTECTOR  
PRODUCTION  
FACILITIES IN  
JYVÄSKYLÄ,  
FINLAND**

safeguard the well-being of workers. Savox hearing protection portfolio increases safety in industrial environments without compromising efficiency or user comfort. A variety of Savox hearing protection solutions allows the user to be aware of surroundings while communicating with team members without having to leave the noisy environment. Savox hearing protection solutions offer safe communication in all situations.

Our Center of Excellence (CoE) specialized in Hearing Protection is situated in Jyväskylä, Finland. The Hearing protection CoE has over 50 years of experience in manufacturing and developing hearing protectors. All Silenta products are made in Finland.





# NOISE-INDUCED HEARING DAMAGE IS PERMANENT

**The human ear is a complex and magnificent structure in which thousands of sensory hair cells take care of receiving sound waves. Every hair cell specialises in receiving low or high-pitched sounds.**

Loud noise is extremely stressful to the ear. Long-term exposure to noise causes the hair cells to flatten, whereby they are no longer able to do their job. Moreover, no new hair cells are generated to replace damaged ones. Noise-induced hearing damage usually occurs over a long period of time, but it can also result from short-term noise exposure. The risk of hearing damage can occur in just a few minutes when the decibel level exceeds 115. One of the ear's reactions to noise stress is tinnitus, which can be felt as a ringing of the ears even if the environment is quiet. Tinnitus is often the first warning sign of excessively loud noise.

According to ear specialist Elina Rytsölä, 90% of people with tinnitus symptoms also have reduced hearing. With normal hearing, a person can hear sounds across the frequency spectrum at a volume of at least 20 dB and is able to understand speech from a distance of four metres.

“Noise-induced hearing loss does not reduce your hearing uniformly. Instead, the first elements of speech to disappear are consonants, especially S, V and H, as they are processed by the high-frequency area of the cochlear. You do not always notice hearing loss immediately, as you can still hear vowels normally in the early stages.”

“Hearing loss causes words to sound unclear, especially in a noisy environment or when the speech is coming indirectly from the side or behind your back, for example.”

When your ears are exposed to excessively loud sounds, they may feel tender. Usually, your ears will ‘calm down’ after a while, but sometimes they may become sensitive to normal everyday sounds in addition to noise. This is called hyperacusis. Rytsölä points out that noise-induced hearing damage cannot be cured, but a hearing aid can help. The only way to protect your hearing organs from permanent damage is to wear hearing protection in excessively noisy environments.





You should also consider wearing hearing protection, such as ear plugs, in your free time if you are planning activities such as attending a concert or a motor sports event. The Finnish Hearing Association uses an important rule of thumb: hearing protection is needed when you cannot hear someone's speech from a metre away or when you have to communicate by shouting.



# SILENTA BLUETOOTH® PRODUCT LINE

BLUETOOTH® FUNCTIONS ENABLE WORK EFFICIENCY  
AND INCREASE SAFETY

Silenta Bluetooth® headsets provide maximum protection against noise and enable clear and reliable communication even in the most demanding conditions. Headsets have an advanced noise cancelling electret microphone and high quality earphones are optimized for communication in noisy environments. Re-chargeable Li-ion battery offers long operating time and eliminates battery costs and waste. A low battery indicator informs the user when charging is needed.

FUNCTION		SILENTA BLUETOOTH® PRODUCT LINE	
BT		SILENTA A-COM BT -PRODUCT LINE	SILENTA NATURAL XPB - PRODUCT LINE
2BT		SILENTA A-COM 2BT -PRODUCT LINE	SILENTA NATURAL XPB 2BT- PRODUCT LINE
LEVEL DEPENDENT FUNCTION		SILENTA NATURAL XPB - PRODUCT LINE	SILENTA MULTI XPB - PRODUCT LINE
FM-RADIO		SILENTA MULTI XPB - PRODUCT LINE	



QUALIFIED BLUETOOTH®

DEVICE WITH

A2DP, HFP AND HSP

PROFILES FOR

STREAMING AND

TALKING

FOLDABLE HEADBAND  
WITH COMFORTABLE  
PRESSURE

SPACIOUS  
EAR CUPS AND  
EXCELLENT  
USER COMFORT

ERGONOMIC PTT/  
TALK ON SHELL IS  
EASY TO USE

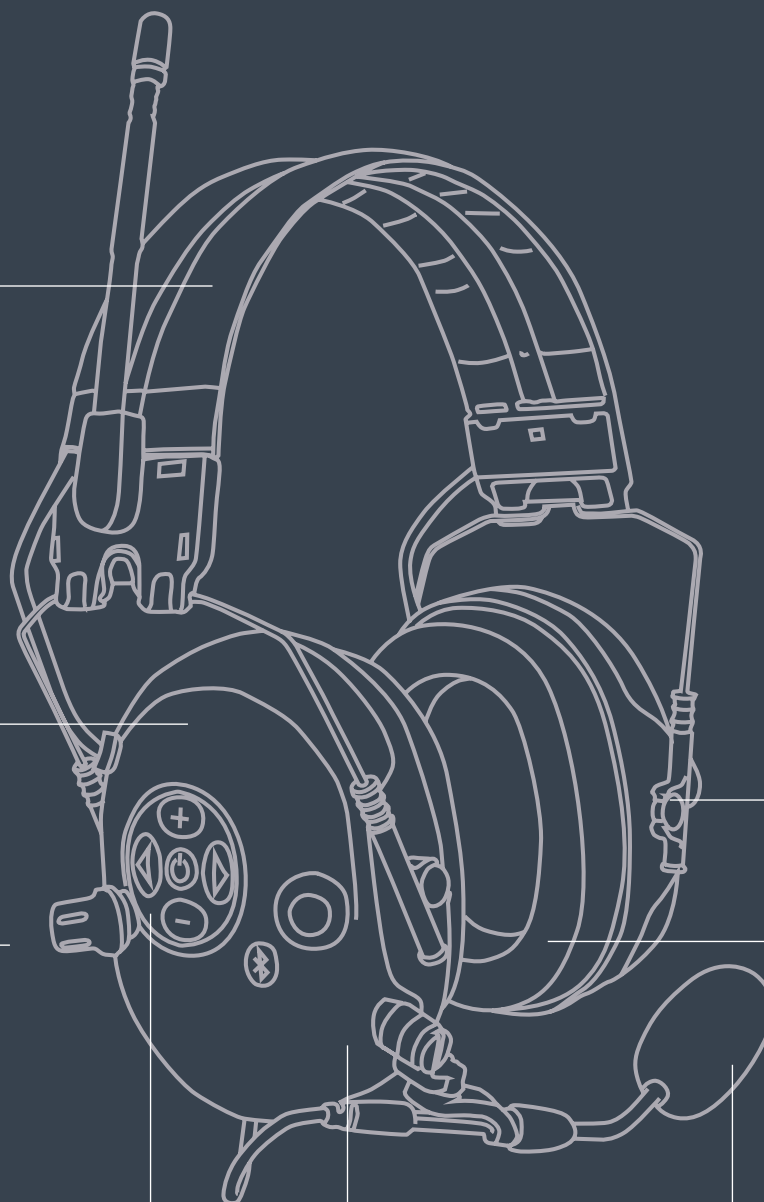
RUGGED,  
TOUGH AND  
DURABLE

SOFT  
REPLACEABLE  
EAR CUSHIONS

SEALED  
ELECTRONICS  
FOR MAXIMUM  
RELIABILITY

RE-CHARGEABLE  
LI-ION BATTERY

ERGONOMICAL  
MICROPHONE WITH  
EFFICIENT BACKGROUND  
NOISE CANCELLATION



CUSTOMER NEED	WORKING AREA						
COMMUNICATION IN NOISY ENVIRONMENT							
	INDUSTRY HEAVY	INDUSTRY LIGHT	CONSTRUCTION	MINING	MARITIME	AVIATION	

# A-COM 2BT

**WIRELESS BLUETOOTH® TECHNOLOGY  
CAN BE PAIRED WITH TWO DEVICES**

This hearing protector includes two separate Bluetooth units in left and right earcup: The Bluetooth unit in left earcup is for Motorola two-way radio. It supports PTT-functionality over Bluetooth with Motorola e-series radios with HKVN4465 licence activated.





The Bluetooth unit in right earcup is for mobile phone. If your phone supports the A2DP Bluetooth profile and has a music player feature, you can also use the phone to play music with the hearing protector.

## The most important features are the safety features

Voice/sound will always be heard through Motorola radio even though the other device is active. This is an important feature of safety.

PTT- talk on shell enables to communication by pressing the rotary switch on the left ear cup. It is mechanically reliable and easy to use even when wearing work gloves.

If you are having a mobile phone conversation (or the other device is active) and you push the Motorola PTT rotary switch, your voice will be heard in both devices. This is also an important safety feature.

SILENTA PRODUCT	P/N	FUNCTION
A-Com 2BT <sup>*)</sup>	7300310	 + 
A-Com 2BT Cap <sup>*)</sup>	7310310	 + 

<sup>\*)</sup> Compatible with MOTOTRBO-series, requires HKVN 4465-licence

**RECHARGEABLE LI-ON BATTERY** 60 h or 20 h Bluetooth® active

CE-marked and tested according to standards EN 352-1:2002,  
EN 352-3:2002, EN 352-8:2008



## A-COM 2BT

Hearing protection headset for demanding environments with noise hazards.

### SNR 32 dB

H = 35 dB • M = 29 dB • L = 22 dB  
Mass = 460 g



## A-COM 2BT CAP

Helmet mounting arm and easy Clip-On adapter system enables attachment to most helmet types.

### SNR 31 dB

H = 32 dB • M = 28 dB • L = 22 dB  
Mass = 456 g





# A-COM BT

## WIRELESS BLUETOOTH® TECHNOLOGY

Wireless hearing protection headset for environments with high noise-levels. The headset offers wireless connection to Bluetooth® enabled devices such as mobile phones and communication radios.

Advanced noise cancelling microphone-earphone system enables clear and reliable communication in the most demanding environments with noise hazards such as in many industrial applications, power plants and airports.

- **PTT button on the cell**
- **Unique casting technique protects the electronics for maximum reliability**
- **Low battery warning and automatic switch off**

SILENTA PRODUCT	P/N	FUNCTION
A-Com BT	9000310	
A-Com BT Cap	9210310	
A-Com BT *)	9000315	
A-Com BT Cap *)	9210315	

\*) Compatible with MOTOTRBO-series, requires HKVN 4465-licence



### A-COM BT

Hearing protection headset for demanding environments with noise hazards.

#### SNR 33 dB

H = 36 dB • M = 30 dB • L = 23 dB  
Mass = 390 g



### A-COM BT CAP

Helmet mounting arm and easy Clip-On adapter system enables attachment to most helmet types.

#### SNR 30 dB

H = 31 dB • M = 28 dB • L = 21 dB  
Mass = 389 g

**RECHARGEABLE LI-ON BATTERY** 100 h or 20 h Bluetooth® active

CE-marked and tested according to standards EN 352-1:2002, EN 352-3:2002, EN 352-8:2008

# NATURAL XPB 2BT

## BLUETOOTH® WITH ACTIVE HEARING CAN BE PAIRED WITH TWO DEVICES

This hearing protector includes two separate Bluetooth units in left and right earcup: The Bluetooth unit in left earcup is for Motorola two-way radio. It supports PTT-functionality over Bluetooth with Motorola e-series radios with HKVN4465 licence activated.







The Bluetooth unit in right earcup is for mobile phone. If your phone supports the A2DP Bluetooth profile and has a music player feature, you can also use the phone to play music with the hearing protector.

### The most important features are the safety features

Voice/sound will always be heard through Motorola radio even though the other device is active. This is an important feature of safety.

PTT- talk on shell enables to communication by pressing the rotary switch on the left ear cup. It is mechanically reliable and easy to use even when wearing work gloves.

If you are having a mobile phone conversation (or the other device is active) and you push the Motorola PTT rotary switch, your voice will be heard in both devices. This is also an important safety feature.

SILENTA PRODUCT	P/N	FUNCTION
Natural XPB 2BT *)	7300000	 +  + 
Natural XPB 2BT Cap *)	7310000	 +  + 

\*) Compatible with MOTOTRBO-series, requires HKVN 4465-licence

### RECHARGEABLE LI-ON BATTERY

50 h or 20 h Bluetooth® active

CE-marked and tested according to standards EN 352-1:2002,  
EN 352-3:2002, EN 352-8:2008



### NATURAL XPB 2BT

Hearing protection headset for demanding environments with noise hazards.

### SNR 32 dB

H = 35 dB • M = 29 dB • L = 22 dB  
Mass = 460 g



### NATURAL XPB 2BT CAP

Helmet mounting arm and easy Clip-On adapter system enables attachment to most helmet types.

### SNR 31 dB

H = 32 dB • M = 28 dB • L = 22 dB  
Mass = 456 g











# NATURAL XPB

## BLUETOOTH® WITH ACTIVE HEARING

Hearing protection headset against noise hazards. Active level dependent ambient sound reproduction protects hearing from harmful noise while warning signals, speech, instructions and other signals in lower levels of noise can be heard. Improves safety by not isolating the user from the surroundings.

The headset offers wireless connection to Bluetooth® enabled devices such as mobile phones and communication radios. Advanced noise cancelling microphone-earphone system enables clear and reliable communication in the most demanding environments with noise hazards such power plants and airports and in many industrial applications.

- **PTT button on the cell**
- **Easy to adjust rotary for ambient sounds**
- **Unique casting technique protects the electronics for maximum reliability**
- **Low battery warning and automatic switch off**

SILENTA PRODUCT	P/N	FUNCTION
Natural XPB	7000000	 + 
Natural XPB Cap	7010000	 + 
Natural XPB <sup>*)</sup>	7000005	 + 
Natural XPB Cap <sup>*)</sup>	7010005	 + 

<sup>\*)</sup> Compatible with MOTOTRBO-series, requires HKVN 4465-licence

**RECHARGEABLE LI-ON BATTERY** 60 h or 20 h Bluetooth® active

CE-marked and tested according to standards EN 352-1:2002, EN 352-3:2002, EN 352-8:2008



### NATURAL XPB

Hearing protection headset for demanding environments with noise hazards.

### SNR 33 dB

H = 36 dB • M = 30 dB • L = 23 dB  
Mass = 390 g



### NATURAL XPB CAP

Helmet mounting arm and easy Clip-On adapter system enables attachment to most helmet types.

### SNR 30 dB

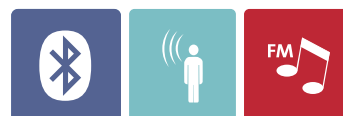
H = 31 dB • M = 28 dB • L = 21 dB  
Mass = 389 g

# MULTI XPB

## BLUETOOTH® WITH ACTIVE HEARING AND FM RADIO

A level dependent hearing protector headset with an FM Radio and Bluetooth® technology for wireless connection to a mobile phone or communication radio. It enables the user to hear speech and warning signals from the surrounding environment and listen to the FM Radio.

The Multi XPB is designed for the most demanding noise environments like many industrial applications.



### MULTI XPB

Hearing protection headset for demanding environments with noise hazards.

### SNR 33 dB

H = 36 dB • M = 30 dB • L = 23 dB  
Mass = 390 g















### MULTI XPB CAP

Helmet mounting arm and easy Clip-On adapter system enables attachment to most helmet types.

### SNR 30 dB

H = 31 dB • M = 28 dB • L = 21 dB  
Mass = 389 g

SILENTA PRODUCT	P/N	FUNCTION
Multi XPB	7000200	 +  + 
Multi XPB Cap	7010200	 +  + 
Multi XPB <sup>*)</sup>	7000205	 +  + 
Multi XPB Cap <sup>*)</sup>	7010205	 +  + 

<sup>\*)</sup> Compatible with MOTOTRBO-series, requires HKVN 4465-licence

**RECHARGEABLE LI-ON BATTERY** 50 h or 20 h Bluetooth® active

CE-marked and tested according to standards EN 352-1:2002,  
EN 352-3:2002, EN 352-8:2008



## Headband

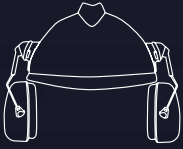
A-COM BT

NATURAL XPB

MULTI XPB

A-COM 2BT

NATURAL XPB 2BT



## Helmet mounted

A-COM BT CAP

NATURAL XPB CAP

MULTI XPB CAP

A-COM 2BT CAP

NATURAL XPB 2BT CAP

### QUALIFIED BLUETOOTH DEVICE

Streaming and talking



Push-To-Talk on shell



Easy to connect by simple pairing feature



Bluetooth Wireless transmission range 10 m



### ACTIVE LEVEL DEPENDENT

User can hear instructions, speech and warning signals from surrounding environment



Enables face-to-face communication while hearing is protected



Push-To-Listen (PTL)



### FM RADIO

High quality sound and automatic channel search



# FM RADIO

## HEARING PROTECTOR WITH FM RADIO

A high attenuation hearing protector with an FM Radio receiver. The FM Radio 33 is an optimal choice for the most demanding noise environments like many industrial applications and workshops.

Favorite channel -function stores up to 5 channels.



### FM RADIO 33

Hearing protection headset for demanding environments with noise hazards.

#### SNR 33 dB

H = 35 dB • M = 30 dB • L = 23 dB  
Mass = 352 g





### FM RADIO 29 CAP

Helmet mounting arm and easy Clip-On adapter system enables attachment to most helmet types.

#### SNR 29 dB

H = 31 dB • M = 27 dB • L = 20 dB  
Mass = 352 g

SILENTA PRODUCT	P/N	FUNCTION
FM Radio 33	6400000	
FM Radio 29 Cap	6410000	

**RECHARGEABLE LI-ON BATTERY** Up to 35 h of listening with a single charge

CE-marked and tested according to standards EN 352-1:2002, EN 352-3:2002, EN 352-8:2008



# NATURAL XP

## HEARING PROTECTOR WITH ACTIVE HEARING

Improves safety by not isolating the user from the surroundings.

Active ambient sound reproduction protects hearing from harmful noise while warning signals, speech, instructions and other signals in lower levels of noise can be heard.



SILENTA PRODUCT	P/N	FUNCTION
Natural XP	6700000	
Natural XP 32 Cap	6710000	

<b>RECHARGEABLE LI-ON BATTERY</b>	Up to 200 h with a single charge
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CE-marked and tested according to standards EN 352-1:2002, EN 352-3:2002, EN 352-8:2008
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### NATURAL XP

Hearing protection headset for demanding environments with noise hazards.

#### SNR 33 dB

H = 35 dB • M = 30 dB • L = 23 dB  
Mass = 352 g



### NATURAL XP CAP

Helmet mounting arm and easy Clip-On adapter system enables attachment to most helmet types.

#### SNR 29 dB

H = 31 dB • M = 27 dB • L = 20 dB  
Mass = 352 g



# MULTI XP

## HEARING PROTECTOR WITH ACTIVE HEARING AND FM RADIO

A level dependent hearing protector headset with an FM Radio.

It enables the user to hear speech and warning signals from the surrounding environment and listen to the FM Radio.



### MULTI XP

Hearing protection headset for demanding environments with noise hazards.

### SNR 33 dB

H = 35 dB • M = 30 dB • L = 23 dB  
Mass = 352 g





### MULTI XP CAP

Helmet mounting arm and easy Clip-On adapter system enables attachment to most helmet types.

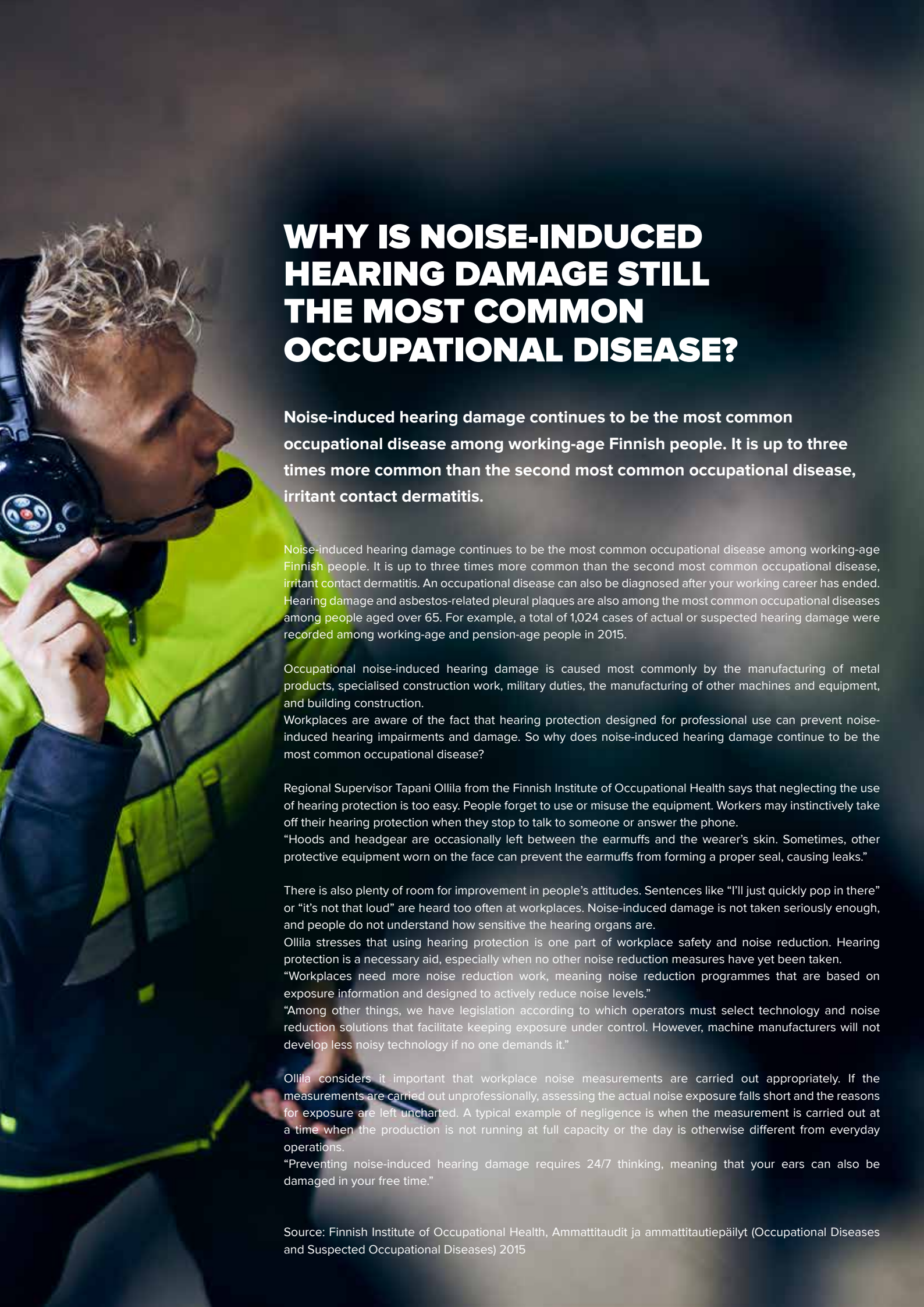
### SNR 29 dB

H = 31 dB • M = 27 dB • L = 20 dB  
Mass = 352 g

SILENTA PRODUCT	P/N	FUNCTION
Multi XP	6600000	
Multi XP Cap	6610000	

**RECHARGEABLE LI-ON BATTERY** Up to 30 h of listening with a single charge

CE-marked and tested according to standards EN 352-1:2002, EN 352-3:2002, EN 352-8:2008



# WHY IS NOISE-INDUCED HEARING DAMAGE STILL THE MOST COMMON OCCUPATIONAL DISEASE?

**Noise-induced hearing damage continues to be the most common occupational disease among working-age Finnish people. It is up to three times more common than the second most common occupational disease, irritant contact dermatitis.**

Noise-induced hearing damage continues to be the most common occupational disease among working-age Finnish people. It is up to three times more common than the second most common occupational disease, irritant contact dermatitis. An occupational disease can also be diagnosed after your working career has ended. Hearing damage and asbestos-related pleural plaques are also among the most common occupational diseases among people aged over 65. For example, a total of 1,024 cases of actual or suspected hearing damage were recorded among working-age and pension-age people in 2015.

Occupational noise-induced hearing damage is caused most commonly by the manufacturing of metal products, specialised construction work, military duties, the manufacturing of other machines and equipment, and building construction.

Workplaces are aware of the fact that hearing protection designed for professional use can prevent noise-induced hearing impairments and damage. So why does noise-induced hearing damage continue to be the most common occupational disease?

Regional Supervisor Tapani Ollila from the Finnish Institute of Occupational Health says that neglecting the use of hearing protection is too easy. People forget to use or misuse the equipment. Workers may instinctively take off their hearing protection when they stop to talk to someone or answer the phone.

“Hoods and headgear are occasionally left between the earmuffs and the wearer’s skin. Sometimes, other protective equipment worn on the face can prevent the earmuffs from forming a proper seal, causing leaks.”

There is also plenty of room for improvement in people’s attitudes. Sentences like “I’ll just quickly pop in there” or “it’s not that loud” are heard too often at workplaces. Noise-induced damage is not taken seriously enough, and people do not understand how sensitive the hearing organs are.

Ollila stresses that using hearing protection is one part of workplace safety and noise reduction. Hearing protection is a necessary aid, especially when no other noise reduction measures have yet been taken.

“Workplaces need more noise reduction work, meaning noise reduction programmes that are based on exposure information and designed to actively reduce noise levels.”

“Among other things, we have legislation according to which operators must select technology and noise reduction solutions that facilitate keeping exposure under control. However, machine manufacturers will not develop less noisy technology if no one demands it.”

Ollila considers it important that workplace noise measurements are carried out appropriately. If the measurements are carried out unprofessionally, assessing the actual noise exposure falls short and the reasons for exposure are left uncharted. A typical example of negligence is when the measurement is carried out at a time when the production is not running at full capacity or the day is otherwise different from everyday operations.

“Preventing noise-induced hearing damage requires 24/7 thinking, meaning that your ears can also be damaged in your free time.”

Source: Finnish Institute of Occupational Health, Ammattitaudit ja ammattitautiepäilyt (Occupational Diseases and Suspected Occupational Diseases) 2015

SILENTA

# CABLE CONNECTION PRODUCT LINE

CONNECTIONS AVAILABLE FOR MOST  
COMMUNICATION RADIOS ON THE MARKET

FOLDABLE HEADBAND  
WITH COMFORTABLE  
PRESSURE

SPACIOUS EAR CUPS  
AND EXCELLENT  
USER COMFORT

SEALED ELECTRONICS  
AND HIGH QUALITY  
COMPONENTS

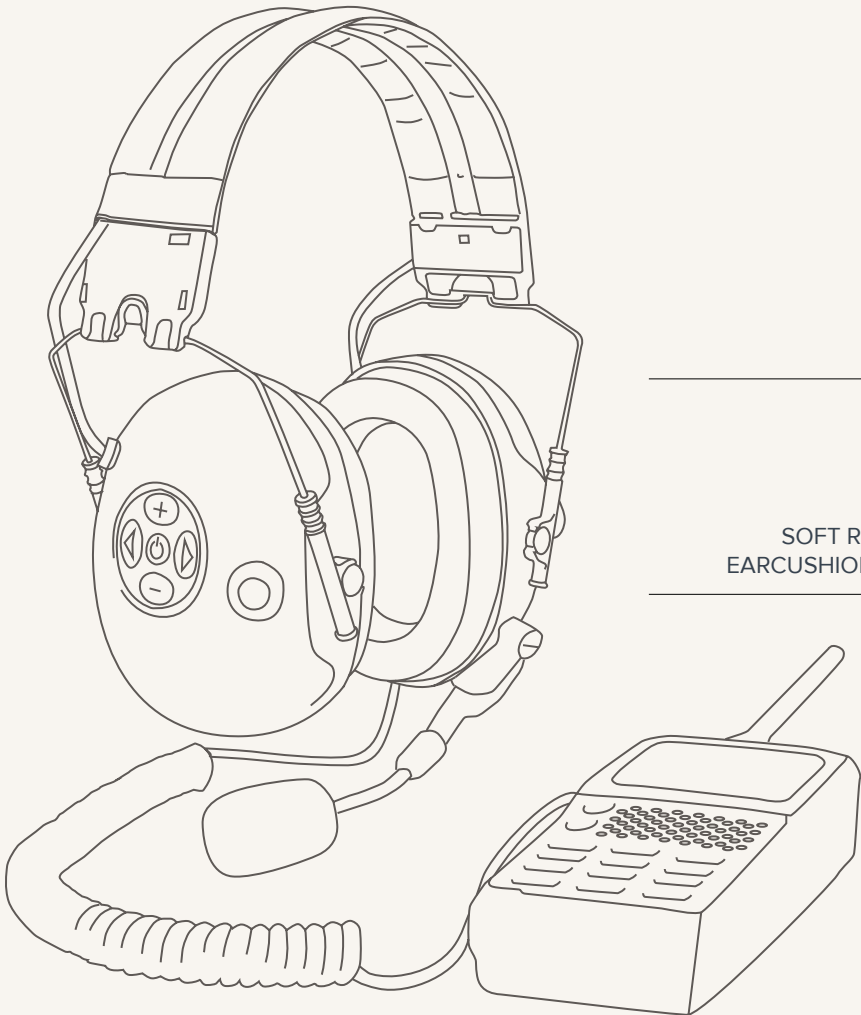
RELIABLE AND  
ERGONOMIC PTT  
ON SHELL




EASY TO ADJUST MIC  
ARM WITH EXCELLENT  
DURABILITY

RELIABLE  
MICROPHONE WITH EX-  
CELLENT BACKGROUND  
NOISE CANCELLATION

RUGGED,  
TOUGH AND  
DURABLE

SOFT REPLACEABLE  
EARCUSHIONS WITH GEL



FUNCTION			
SILENTA DIRECT CONNECTION PRODUCT LINE	A-COM	NATURAL XP HEADSET	A-COM FM

# A-COM

## CABLE CONNECTION HEADSETS

Hearing protection headset with direct connection to communication radio. A-Com's advanced noise cancelling microphone-earphone system enables clear communication.

The A-Com offers reliable communication in demanding environments with noise hazards such as industrial applications, mining and airports.

- **PTT button on the cell**
- **Sealed electronics for maximum reliability**
- **Operates without battery, no need for charging**

A-Com Cap VXL II	9210160
A-Com TRBO Headband	9000110
A-Com 340 Headband	9000100
A-Com STP8000 Headband	9000300
A-Com Cap	9210120
A-Com Cap ICKL	9210210
A-Com Cap KN	9210230
A-Com Cap THR880i	9210260
A-Com Cap THR9i	9210270
A-Com Cap STP8000	9210300
A-Com ICKL Headband	9000210
A-Com KN Headband	9000230
A-Com M1 Headband	9000120
A-Com VXL II Headband	9000160
A-Com THR880i Headband	9000260
A-Com THR9i Headband	9000270
A-Com TRBO II Headband	9000350
A-Com X1 Headset	9000360
A-Com Cap 340	9210100
A-Com Cap TRBO	9210110
A-Com Cap TRBO II Cap	9210350
A-Com Cap X1	9210360

CE-marked and tested according to standards EN 352-1:2002, EN 352-3:2002, EN 352-8:2008



### A-COM

Hearing protection headset for demanding environments with noise hazards.

#### SNR 34 dB

H = 37 dB • M = 31 dB • L = 24 dB  
Mass = 396 g



### A-COM CAP

Helmet mounting arm and easy Clip-On adapter system enables attachment to most helmet types.

#### SNR 32 dB

H = 37 dB • M = 31 dB • L = 24 dB  
Mass = 396 g

# A-COM FM

## CABLE CONNECTION HEADSETS WITH FM RADIO

A hearing protector headset with an FM radio and direct connection to common two-way radios. The A-COM FM is designed for the most demanding noise environments such as many industrial environments and power plants.

The FM Radio receiver enables user to enjoy one's favorite radio station and the FM radio is muted automatically when communication audio comes from the ear speakers, or when the PTT is pressed.

A direct connection cable is integrated in the headset and no extra adapters are needed.



### A-COM

Hearing protection headset for demanding environments with noise hazards.

### SNR 33 dB

H = 35 dB • M = 30 dB • L = 23 dB  
Mass = 455 g

**RECHARGEABLE LI-ON BATTERY** 60 hours of operating time

CE-marked and tested according to standards EN 352-1:2002,  
EN 352-3:2002, EN 352-8:2008

### A-COM CAP

Helmet mounting arm and easy Clip-On adapter system enables attachment to most helmet types.

### SNR 30 dB

H = 32 dB • M = 27 dB • L = 21 dB  
Mass = 447 g



# NATURAL XP HEADSET

## CABLE CONNECTION HEADSETS

A communication headset with level dependent active function enables user to hear speech, instructions and warning signals while harmful noise is limited to safe 80 dB level. Active function improves safety while hearing is protected.

- **Automatic power save prevents to battery discharge**
- **Excellent sound quality for clear communication**



### NATURAL XP HEADSET

Hearing protection headset for demanding environments with noise hazards.

#### SNR 33 dB

H = 35 dB • M = 30 dB • L = 23 dB  
Mass = 455 g



### NATURAL XP HEADSET CAP

Helmet mounting arm and easy Clip-On adapter system enables attachment to most helmet types.

#### SNR 30 dB

H = 32 dB • M = 27 dB • L = 21 dB  
Mass = 447 g

<b>RECHARGEABLE LI-ON BATTERY</b>	400 hours of operating time
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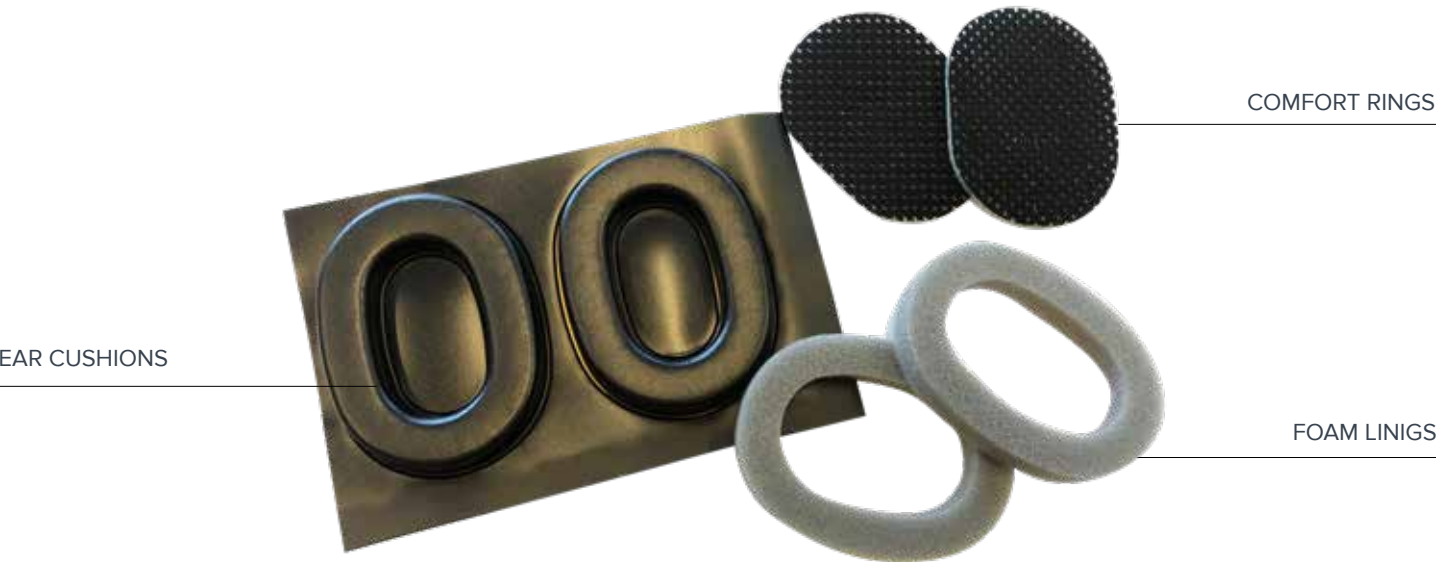
CE-marked and tested according to standards EN 352-1:2002, EN 352-3:2002, EN 352-8:2008
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Communication Radio		Direct Connection Headsets	P/N	
Motorola	GP340, GP360, GP380	A-Com 340	9000100	
		A-Com Cap 340	9210100	
		Natural XP Headset 340	9400100	
		Natural XP Cap Headset 340	9410100	
	MotoTRBO DP3400, DP3600, DP4400/4401/4401e, DP4600/4601/4601e, DP4800/4801/4801e	A-Com TRBO	9000110	
		A-Com Cap TRBO	9210110	
		A-Com BT TRBO	7400110	
		A-Com BT Cap TRBO	to be informed	
		Natural XP Headset TRBO	9400110	
		Natural XP Cap Headset TRBO	9410110	
		A-Com FM TRBO	9600110	
		A-Com FM Cap TRBO	9610110	
	MotoTRBO DP2400, DP2600, DP3441/3441e/3661/3661e	A-Com TRBO II	9000350	
		A-Com Cap TRBO II	9210350	
		Natural XP Headset TRBO II	9400350	
		Natural XP Cap Headset TRBO II	9410350	
		A-Com FM TRBO II	9600350	
		A-Com FM Cap TRBO II	9610350	
	MotoTRBO DP1400	A-Com M1	9000120	
		A-Com Cap M1	9210120	
		Natural XP Headset M1	9400120	
		Natural XP Cap Headset M1	9410120	
Vertex	VX-146/160/180/231/241/410/350/451	A-Com VXL II	9000160	
		A-Com Cap VXL II	9210160	
		Natural XP Headset VXL II	9400160	
		Natural XP Cap Headset VXL II	9410160	
		A-Com FM VXL II	9600160	
		A-Com FM Cap VXL II	9610160	
Icom	IC-F15/25/27SR/34/44, IC-F1000/2000/F3002/4002/3102D/4102D	A-Com ICKL	9000210	
		A-Com Cap ICKL	9210210	
	IC-M71, IC-M1 EURO V	A-Com IC-M	9000330	
		A-Com Cap IC-M	9210330	
Kenwood	Kenwood angled 2-pin connector	A-Com KN	9000230	
		A-Com Cap KN	9210230	
Airbus	THR880i	A-Com THR880i	9000260	
		A-Com Cap THR880i	9210260	
		Natural XP Headset THR880i	9400260	
		Natural XP Cap Headset THR880i	9410260	
	THR9i	A-Com THR9i	9000270	
		A-Com Cap THR9i	9210270	
Sepura	Sepura STP8000/9000, SC2020	A-Com STP8000	9000300	
		A-Com Cap STP8000	9210300	
		Natural XP Headset STP8000	9400300	
		Natural XP Cap Headset STP8000	9410300	
Hytera	X1e, X1p	A-Com X1	9000360	
		A-Com Cap X1	9210360	
Nexus	5-PIN Nexus Connector	A-Com 5-PIN Nexus	9000400	
		A-Com Cap 5-PIN Nexus	9210400	
		Natural XP Headset 5-PIN Nexus	9400400	
		Natural XP Cap Headset 5-PIN Nexus	9410400	
	Adapter for Motorola GP340, GP360, GP380	Nexus 5-PIN adapter 340	0100101	
	Adapter for Motorola GP340, GP360, GP381	Nexus 5-PIN adapter TRBO	0100111	
	Adapter for Motorola DP2400, DP2600, DP3441	Nexus 5-PIN adapter TRBO II	0100112	
Nexus 4-pin / QR4		Adapter for Sepura STP8000, STP9000	Nexus 5-PIN adapter STP	0100113
		A-Com QR4	9000390	
		A-Com Cap QR4	9210390	
		Natural XP Headset QR4	9400390	
		Natural XP Cap Headset QR4	9410390	

# HYGIENE KIT

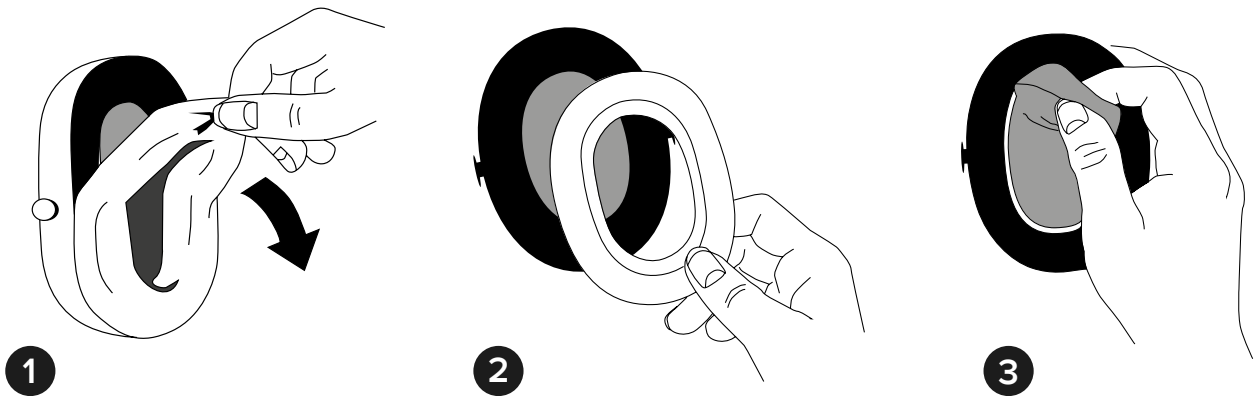
REPLACE THE CUSHIONS AS NECESSARY, AT LEAST EVERY 6 MONTHS

HYGIENE KIT P/N	SILENTA PRODUCT
6008100	FM radio, Natural XP, MULTI XP
600820	A-Com BT, A-com 2BT, Natural XPB, Natural XPB 2BT, Multi XPB A-Com, Natural XP Headset, A-Com FM



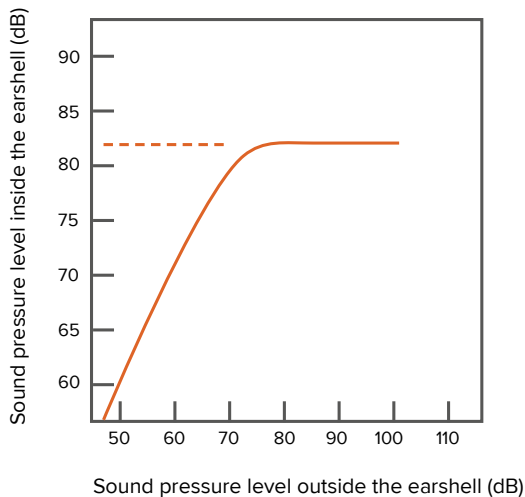
## Maintenance

Ear-muffs and in particular cushions may deteriorate with use and should be examined at frequent intervals for example for cracking and leakage. Replace the cushions as necessary, at least every 6 months. Pull off the old cushions and press the new ones carefully and firmly on all areas into their proper place on the ear-cups. The ear-cup foam liners should also be replaced when required. The headband should not be flexed or adjusted unnecessarily, as the correct pressure is an important factor in maintaining the attenuation afforded by these ear-muffs.

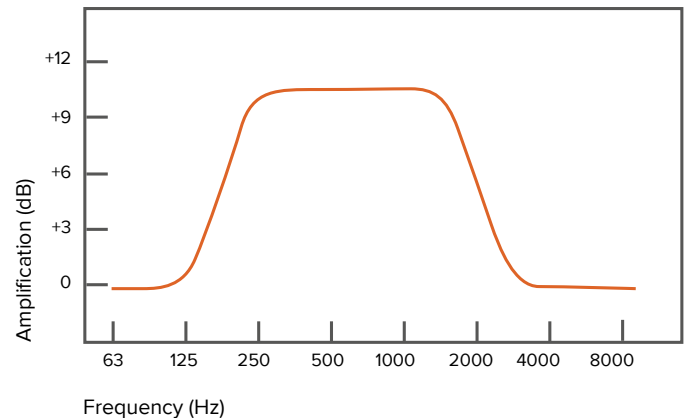


# LEVEL DEPENDENT

Active ambient sound reproduction protects your hearing from harmful noise while warning signals, speech, instructions and other signals in lower levels of noise can be heard.



The limiter attenuates noise to a harmless level and reacts fast to changes in noise. For the naturalness of the sound it is important that a hearing protector is comfortable and pleasant to use as it should be worn for several hours in an environment with harmful noise.



The Silenta level dependent hearing protectors enables you to carry on a conversation with your colleague. Speech frequencies have been amplified for safety reasons. High-quality microphones are supported and compressed by a flexible seal protecting the microphones against possible damages.



**IMPROVES SAFETY  
BY NOT ISOLATING THE USER FROM  
THE SURROUNDINGS**



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