



# Hunting and Sport Shooting

2008

## Technology Protecting People

Aearo's goal is to provide head, eye, face and hearing protection products and improve comfort and job satisfaction for those who need to spend time in hazardous environments.

To achieve this goal Aearo has developed the most complete product range in the market. Products that not only enable people to work in greater safety but also products which help to make the workplace more comfortable and enjoyable.

The combination of brand names and world famous products is the key that will help us to achieve these goals.



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## Members of Aearo Technologies



**Peltor** is a world leader in the field of communication equipment and head and face protectors. Over 50 years of developing and manufacturing hearing protectors has put us at the forefront of safety, comfort and aesthetics.

Many of our innovations are a direct result of our ability to listen to our users. Their experience and our expertise make an unbeatable combination in the endeavor to create safe and stimulating working environments. Now we are further expanding the range with safety glasses. Peltor's complete safety range also includes hardhats and visors.

As a part of the international Aearo group, Peltor has access to the best resources in research and development. By focusing on function and design, we create advanced, comfortable safety and communication solutions that are attractive to use. Our products aim not only to protect, but also to facilitate communication between people in a workplace. Peltor is the optimal solution for discerning professionals.

**E·A·R** manufactures a complete line of hearing protection for anyone who spends time in noisy environments. Our goal is to provide the greatest possible comfort, security and safety.

Over 30 years ago E·A·R introduced the yellow foam ear-plug, which established brand new standards in protection and comfort. Nothing on the market compared, even the packaging was unique! Today, this earplug and pillow pack continue to be the most widely recognised product in hearing protection all over the world.

That was just the beginning! Since that time, E·A·R has continued being at the forefront of innovation. Countless new technologies have been discovered, even higher standards have been reached, and the E·A·R brand has grown to be the most trusted brand available.

E·A·R is more than just products. We are partners with distributors, safety professionals and companies who are working to protect their employees from the dangers of noise and hearing loss. With offices around the world E·A·R is never far away.

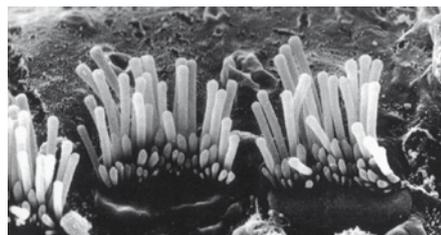


# Two ears to last a lifetime

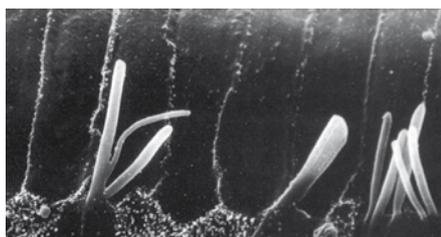
The human ear is designed to pick up “natural” sounds. Unfortunately, machines and tools produce many “unnatural” sounds that the ear is not designed for.

The sensitive cilia on the hair cells inside the ear break off if they are repeatedly exposed to excessively strong sound waves. The few remaining cilia can only transmit a fraction of the information.

Permanent hearing loss has occurred.

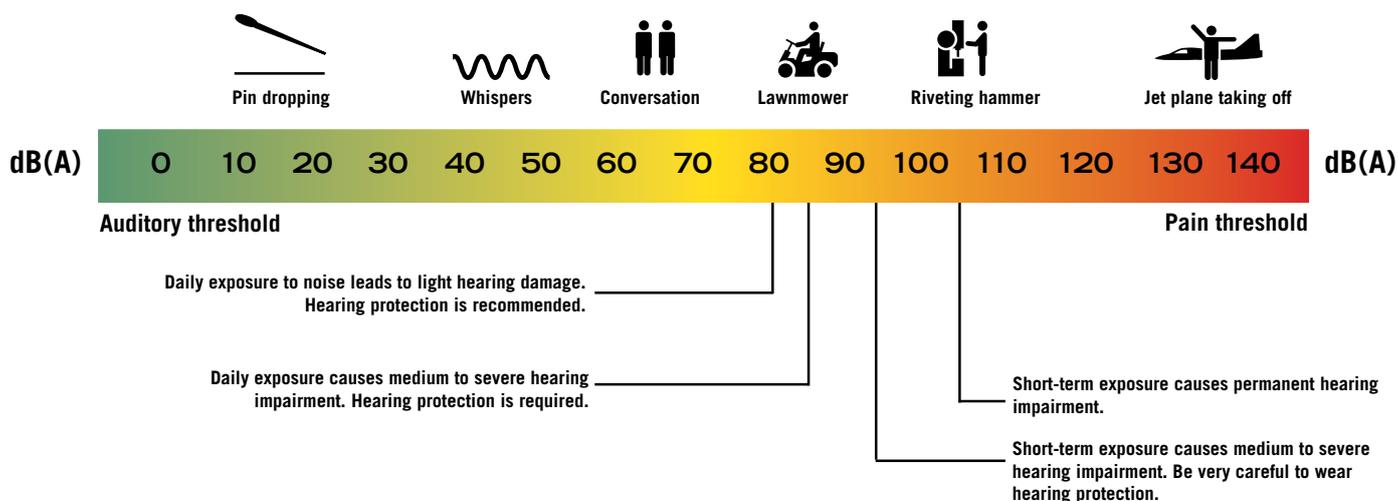


Normal, healthy ear. This electron-microscope image shows the hair cells with their sensitive stereocilia, which are set in motion by sound waves.



Noise damaged ear. The tiny hairs have been repeatedly exposed to loud noise levels and eventually broken off. Incurable hearing loss has occurred.

## Easy to harm – easy to protect



## 100% usage – the only sure protection from hearing impairment

Noise works like radioactivity – we can only tolerate a certain dose per day. The length of exposure and the volume determine how harmful noise is. If you are careless about using hearing protectors for just five minutes of an eight-hour working day, you may suffer permanent hearing impairment.

Effective protection from hearing impairment can only be guaranteed if you wear hearing protection 100% of the time. Choose a comfortable hearing protector that suits you and your needs.



100% usage. Gives the expected protection.



99% usage. If you are careless with your hearing protection for just five minutes a day, the protective effect will be significantly reduced.



90% usage. Gives practically no protection at all.

# Sharpen your senses with the right hearing protection.

Hunters and marksmen, both amateur and professional, all have the same basic needs – their hearing and vision are crucial for all forms of shooting. All agree that the right equipment can help them focus at critical moments. Peltor has collaborated with sports shooters, hunters, soldiers and police officers to develop a unique, well-renowned range of hearing and eye protectors that not only keep the shooters from harm, but also help them to hit their target when it matters most – from the Olympics in Sydney to elk hunting in the Swedish woods.



### Optimal attenuation

A gunshot is an impulse noise, which is particularly harmful to the human ear. A single shot can cause permanent damage without the proper hearing protection.

Peltor's hearing protectors for shooting are specially designed to attenuate the particular noise of a gunshot. You can't get better protection.

### Easy and comfortable

Many shooters have to wear their hearing protectors for a long time. Peltor's hearing protectors ensure you'll have no problems staying focused. The low, two-point fasteners ensure an even distribution of pressure over the whole ear cushion, so the set stays in place even during sudden head movements and shouldering the weapon.

This fastening system also ensures a snug fit without being too tight.

### Hear what you want to hear

Peltor's active-volume hearing protectors contain advanced electronics with a frequency filter and built-in microphones.

The electronics react instantaneously, protecting your hearing from the loud impulse noise of a shot. Before and after the shot, however, ambient noise like speech and breaking twigs is actually amplified, giving the shooter even better hearing than normal. You hear up to ten times as much as you would with passive hearing protectors.

Not only are sounds amplified, but they are also reproduced in stereo, letting you know exactly where they are coming from. You become a better hunter when you can hear your dogs and prey from a greater distance. A direct connection to an external communication radio enhances teamwork with your fellow hunters and boosts safety.



Active-volume hearing protectors have advanced electronics that enhance weak sounds and attenuate loud ones. This lets you keep track of where your dog and your prey are, while still protecting your hearing when the shot is fired. The hunting and shooting models also feature an audio input for connecting an external radio or dog tracking equipment.

### Important warning signals

A passive hearing protector attenuates all noise. Naturally this kind of protection is better than none at all, but with a Peltor active-volume hearing protector you can still communicate with your surroundings. You hear warning calls, alarms and other signals. The instructors at a shooting range can communicate with the shooters without risking their own hearing.

Combined with an external radio and microphone, our active-volume hearing protectors allow complete two-way communication.



Peltor's active-volume hearing protectors are invaluable for instructors and group leaders in shooting clubs and at shooting competitions.

### Where is the sound coming from?

Peltor's active-volume hearing protectors reproduce sound in stereo, just like human hearing, so you can tell exactly where the sound is coming from.

Some of our models let you adapt the stereo balance, for example if you have a hearing impairment in one ear.





# SPORTTAC



MT16H210F-478-GN



The unique digital sound circuit eliminates the sharp sound clip that is typical for most active-volume hearing protectors on the market. Many people find that sound unpleasant and disturbing. The new electronics in the Peltor SportTac react instantaneously, protecting your hearing from loud impulse noises. But it does so softly, so that you rarely even hear the clip as the protection is activated. Just like Peltor's other active-volume hearing protectors, the SportTac also enhances your hearing, so you actually hear better with the hearing protector than without it. And naturally you can connect your hunting radio directly to it.

- Specially designed for hunters and marksmen
- Smooth active-volume function that helps prevent the sound being cut off abruptly
- Interchangeable shells make it easy to change colours
- Automatic shut-off
- Collapsible
- Battery life span about 600 hours
- Audio input for an external radio



## MT16H210F-478-GN

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Average attenuation (dB)	21.1	17.9	27	26.8	30.5	38.3	36.4
Std deviation (dB)	4.3	3.1	3.8	3	3	3.7	5.4
Expected attenuation (dB)	7.8	14.8	23.2	23.8	27.5	34.6	31

SNR=26 H=29 M=23 L=16

### Description

Hunting: orange and green shells included.

### Article number

MT16H210F-478-GN

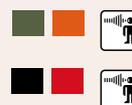
### Bands/Attachments

Collapsible headband

### Weight (g)

318

### Colour



Sport shooting: black and red shells included.

MT16H210F-478-RD

Collapsible headband

318

Replacement shell	Description	Article number
	One pair of replacement shells, green	210100-478-GN
	One pair of replacement shells, orange	210100-478-OR
	One pair of replacement shells, black	210100-478-SV
	One pair of replacement shells, red	210100-478-RD
	One pair of replacement shells, white	210100-478-VI
	One pair of replacement shells, camouflage	210100-CF

# TACTICAL XP



MT1H7F2

- Active volume regulation allows you to hear ambient noise such as conversation, machine sounds and warning signals
- Voiced menu system
- Equipped with these functions: active volume regulation, balance, adjustable shut-off time, equalizer, volume for external input signals and external input mode
- Plenty of space for the ear
- The last settings are stored on shut-off
- Automatic shut-off after two hours of no active functions
- Warning signal before shut-off when batteries are low
- Audio input for an external radio
- Battery life span 1000 hrs

## MT1H7F2

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Average attenuation (dB)	13,8	21,5	30,9	36,6	35,9	35,5	39
Std deviation (dB)	1,8	0,9	1,3	1,5	5,5	3,1	2,3
Expected attenuation (dB)	12,0	20,6	29,6	35,1	30,4	34,4	36,7

SNR=31 H=32 M=25 L=20

Description	Article number	Bands/Attachments	Weight (g)
Standard	MT1H7F2	Collapsible headband	400

Colour



# TACTICAL XP WS



- With Bluetooth for wireless connection to a communication radio or mobile phone

**Bluetooth** is the name of a technology for wireless transfer of sound and data via a radio link. It's based on a common standard that is used all around the world. In 1998, electronics giants Ericsson, Nokia, IBM, Toshiba and Intel initiated a joint venture, through Bluetooth SIG, to establish the system as a world standard. Today over 2,000 companies worldwide have connected to Bluetooth.



MT1H7F2WS3

## Technical data:

Frequency:	2.45 GHz (range 2,400–2,500 MHz)
Rate of transfer:	1 Mbit/second
Output:	1 mW (0 dBm)
Frequency skipping:	1600/second

Description	Article number	Bands/Attachments	Weight (g)
WS headset, Bluetooth	MT1H7F2WS3	Collapsible headband	400
WS headset, Bluetooth	MT1H7B2WS3	Neckband	385

Colour



## PROTAC II



MT15H7A2 GN



- Improved communication and safety
- Stereo active volume regulation allows you to hear ambient noise such as conversation, machine sounds and warning signals
- Plenty of space for the ear
- The last settings are stored on shut-off
- Headset alternative with boom microphone
- Three colours: military green, red and black
- Automatic shut-off after two hours of no active functions
- Battery life span approximately 1000 hours. Warning signal before shut-off when batteries are low
- Audio input for an external radio

### MT15H7A2 \*\* \*\*

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Average attenuation (dB)	19.7	25.4	31	34.6	32.2	38.7	42.1
Std deviation (dB)	3.4	2.5	3.4	1.8	3.6	3.8	3.6
Expected attenuation (dB)	16.3	22.9	27.6	32.8	28.6	34.9	38.5

SNR=32 H=31 M=29 L=24

#### Description

Standard

#### Article number

MT15H7A2 GN

#### Bands/Attachments

Headband

#### Weight (g)

370

#### Colour



Standard

MT15H7A2 RD

Headband

370



## COMTAC XP

Extreme situations and environments require extreme and reliable equipment. The Peltor ComTac XP meets the toughest military demands for durability and function. The headset is also equipped with the world's most advanced tactical function, with features such as an equalizer, so the user can concentrate fully on the task at hand.



MT17H682FB



- Thin, high-attenuating shell (SNR 28)
- Tested to IP 68 and military specifications
- Watertight microphones
- Active-volume function with new settings options:
- Plug Mode – increase the volume when wearing the headset in combination with earplugs in extremely noisy environments
- Balance Mode – adjust the balance between the left and right earphone
- EQ Mode – adjust and cut out high or low frequencies
- External Mute Mode – allows the Tactical function to be automatically muted when an external communication radio is used.
- Release Time Mode – change the length of time before the Tactical function is reactivated
- Headband of high-quality steel with a leather shell
- Plenty of space for the ears
- Kevlar-encased cords
- Battery life span about 500 hrs.

### MT17H682FB-\*\* \*\*

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Average attenuation (dB)	11.5	17.9	27.8	30.0	32.1	36.2	40.3
Std deviation (dB)	2.5	2.7	1.8	2.3	3.0	2.0	3.1
Expected attenuation (dB)	9.0	15.3	25.9	27.7	29.1	34.2	37.2

SNR=28 H=31 M=25 L=16

#### Description

Standard

#### Article number

MT17H682FB-02

#### Bands/Attachments

Collapsible headband

#### Weight (g)

295

#### Colour



## ACCESSORIES

### Hunting cable

Connector cable with microphone and transmission button for Peltor electronic hearing protectors with audio input, such as the ComTac, Tactical XP and SportTac. This cord can be used with radios from Alan, Hunter, Genzo, Zodiac, Icom and others.

### Article number

TAMT06 with straight contact, 3.5 mm, 2.5 mm.  
TAMT06V with angled contact.



### Connector cord

The connector cord fits all electronic Peltor hearing protectors with jacks.

### Article number

FL6H 3.5-mm mono jack  
FL6M 2.5-mm mono jack  
FL6N 3.5-mm stereo jack  
FL6H-31 3.5-mm mono jack for 31 MHz radio



HY21



HY68



HY79

### Hygiene Kit

#### For hearing protectors

SportTac  
ComTac  
ProTac  
Tactical XP

#### Article number

HY21  
HY68  
HY79  
HY79



M60/2



M41/2

### Wind protection

#### For hearing protectors

ComTac  
ProTac  
Tactical XP  
SoundTrap

#### Article number

M60/2  
M60/2  
M41/2  
M60/2



# BULL'S EYE I



## Peltor Bull's Eye I

The Peltor Bull's Eye I was designed in collaboration with world-class sport shooters to develop a hearing protector that works for different wearers. For example, a bevelled edge on the bottom of the shell prevents the unit from coming into contact with the barrel when sighting. The hearing protector has the necessary attenuation for most situations without being so big that it feels in the way.

Comfort is crucial in a hearing protector. Not only does it ensure that the user really wears it in all necessary situations, but it also keeps the wearer from being distracted by discomfort. That's why the Peltor Bull's Eye I has wide, comfortable ear cushions filled with a combination of foam and fluid for optimal attenuation and low pressure against the head. It has a collapsible headband to ensure that it takes up as little space as possible when not in use.

The Peltor Bull's Eye I comes in red, green and black. Weight: 190 g.

Colour



### H515FB\*\*\*

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Average attenuation (dB)	10.9	17.2	26.6	28.3	33.5	37.8	37.9
Std deviation (dB)	3.2	2.5	2.2	2.7	2.6	2.0	2.6
Expected attenuation (dB)	7.7	14.8	24.4	25.6	30.9	35.7	35.3

SNR=27 H=32 M=24 L=15

### Hygiene kits

For hearing protectors	Article number
Bull's Eye I	HY51
Bull's Eye II	HY52
Bull's Eye III	HY54
Peltor Kid	HY51





The **Bull's Eye II** is a hearing protector for intensive noise situations. Comfortable to wear even over long periods. Thin, convenient, collapsible headband. Available in red, green and black. Weight: 230 g.

#### H520F

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Average attenuation (dB)	14,5	20,3	32,6	39,1	35,1	34,7	39,8
Std deviation (dB)	1,8	2,6	2,4	2,5	2,3	2,7	2,5
Expected attenuation (dB)	12,7	17,7	30,2	36,6	32,8	32,0	37,3

SNR=31 H=34 M=26 L=20

Colour



The **Bull's Eye III** is a hearing protector with extremely high attenuation for extra loud noise or situations where your concentration might be affected by distracting sounds. The wide, soft, padded headband provides optimal comfort even during long hours of use. Available in green. Weight: 285 g

#### H540A

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Average attenuation (dB)	17,4	24,7	34,7	41,4	39,3	47,5	42,6
Std deviation (dB)	2,1	2,6	2,0	2,1	1,5	4,5	2,5
Expected attenuation (dB)	15,3	22,1	32,7	39,3	37,8	43,0	40,0

SNR=35 H=40 M=32 L=23

Colour



The **KID** is a hearing protector specially designed for little ones. Children have extremely sensitive hearing, and they also have more difficulty protecting themselves from harmful noise. Comes in neon pink and neon green. Weight: 180 g.

#### H510AK KID

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Average attenuation (dB)	11,6	18,7	27,5	32,9	33,6	36,1	35,8
Std deviation (dB)	4,3	3,6	2,5	2,7	3,4	3,0	3,8
Expected attenuation (dB)	7,3	15,1	25,0	30,1	30,2	33,2	32,0

SNR=27 H=32 M=25 L=15

Colour



# Safety glasses for better vision

Many accidents occur in hunting and shooting activities each year – caused by the recoil of a rifle, stray bullets, the wind or low branches. Some accidents are also caused by hunters with less-than-precise aim. That's why it is so important to use safety glasses with side protection, allowing a wide field of view and fitting perfectly with your hearing protectors so that they do not impede attenuation.

It is also important to have the right lenses, to make your target as clear as possible on the shooting range or in the countryside, on a green or blue background. That's why Peltor has designed safety glasses with a range of lenses to guarantee the optimal view and safety in all conditions.



## The perfect belt-clip case for your safety glasses.

### Special glasses package for hunters and shooters containing:

- Maxim Ballistic clear lenses
- yellow replacement lenses for the Maxim Ballistic
- bronze replacement lenses for the Maxim Ballistic
- red replacement lenses for the Maxim Ballistic
- adjustable nylon head strap
- black microfibre pouch for the glasses

The whole package is delivered in a hard case with Velcro, belt clip and snaps. The flat earpieces are easy to remove and replace with the adjustable headstrap for the best possible attenuation in combination with Peltor hearing protectors. The lenses are also easy to replace in just a few seconds, no tools needed. The microfibre pouch can also be used as a polishing cloth for the lenses.



Article number: 13300-99999P

### MAXIM BALLISTIC

Specially designed for the needs of hunters and shooters for field of view and eye protection. The Maxim Ballistic has patented non-spherical lenses for a 180° free field of vision – a superior eye protection system with top-class optical quality. The ventilation channels over the lens and the unique DX coating minimise the risk of fogging and make the lenses extra scratch-resistant.

The short, flat earpieces that can be bent as needed work perfectly under hearing protector headsets as well as helmets. This model exceeds the requirements of the military Vo test regimen for high-speed impact (MIL-STD 662 – impact at 198 m/s). 100% UV protection. Meets the requirements of European standards EN 166:2001 and EN 170.

**Clear lenses:** for indoor use, when it is important to detect contrasts and colours. General eye protection.

Article number: 13296-00000

### MAXIM BALLISTIC AMBER LENSES:

Same model as above, but with high-contrast amber tint. With 94% light penetration, this special filter enhances vision in poor lighting, for example at dawn and dusk. Also good in fog and overcast weather. These safety glasses are ideal for shooting at black-and-white targets with a rifle or pistol. Also ideal for indoor shooting ranges.

Article number: 13299-00000

### MAXIM BALLISTIC VERMILION LENSES:

Special vermilion (red) lenses for shooting on a green background (the colour tones down the green and enhances the orange target with trees or a blue sky behind it). These lenses are also perfect for people who have difficulty seeing orange. Light penetration: 50%

Article number: 13326-00000P

### MAXIM BALLISTIC BRONZE LENSES:

Bronze lenses are an excellent filter for shooting at orange targets on brilliantly bright days with an open background, making the target stand out. Also excellent for hunting in snow. Light penetration: 16%

Article number: 13297-00000

### MAXIM BALLISTIC RX:

Metal semi-rimless mounting for optically ground lenses for the Maxim Ballistic. Attaches at the bridge. Can be used for all types of optically ground lenses between +4.00/-4.00, cyl. 2.00.

Article number: 13320-00000P (frames only)





World leaders in head, face & hearing protection as well as communication in noisy environments.



#### **Eyewear**

Advanced Optical Engineering is the true essence of Peltor protective eyewear, taking into consideration design, protective qualities and comfort. Peltor's premium lens technology gives complaint free wear and less eye-strain. Due to advanced optical engineering, Peltor has developed patented innovative lens solutions considered impossible by many optical experts. Choose from their wide range of spectacles, goggles, faceshields and accessories.



#### **Earplugs & Earmuffs**

E·A·R and Peltor has the most recognised family of hearing conservation products on the market today. This is because we see our business in a very unique way. The difference at E·A·R and Peltor is that we don't just sell hearing protection; we are dedicated to the success of your entire hearing conservation programme. We will help you find solutions to any problem regarding the health of your hearing.



#### **Communication products**

Peltor offers first-class communication solutions that not only make your working day safer and more efficient, but also much nicer! Peltor's communication solutions make it possible for users of hearing protectors to communicate very effectively – with their immediate environment and with people further away.



#### **Special Applications**

Peltor and E·A·R do not just have products for general industry we also have specially designed products in a wide variety of special applications such as Motor Sport, Shooting, Aviation and Military.

*For more information on any of our products please either visit our website [www.aearo.eu](http://www.aearo.eu) or contact one of our many sales offices around the world.*





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The Optimal Solution