3M™ Occupational Health & Environmental Safety Division
Military Applications

The Power to Protect your world
Take your safety personally

3M, the world’s leader in safety and protective equipment, is proud to have the Peltor brand range as part of its product offering.

Peltor communication equipment as well as hearing, head & face protection products for noisy and hazardous environments are renowned world leaders. With more than 50 years of experience, the Peltor brand promises superior quality communication solutions that provide an optimal balance of comfort and protection.

It is our goal is to ensure that we satisfy your needs through the provision of exceptional leadership, expertise, quality and service excellence. With our global technology, manufacturing and knowledge network we do more than simply develop products that help your workforce to operate in safety and comfort. The advanced engineering and technology inherent with the Peltor brand fits with the high standard of quality and innovation of a continuously evolving range of product solutions that you, our customers, come to expect from 3M.

Protection all the way

Our mission is to help protect people at work, at home, for life.

We believe that health and safety is the priority in any working environment and that greater comfort improves worker protection, resulting in enhanced productivity and safety compliance. In addition to protecting people, our ambition is to protect the environment as well. It is, therefore, our declared goal to develop and use safe products that have the least possible impact on people, the environment and the workplace.

Long lasting innovations

To deliver on our commitment requires a culture of accountability, customer inspired innovation, knowledge and expertise, fuelled by a deep understanding of our customer needs. The Peltor brand, trusted as a leader in hearing, eye and head & face protection, offers a comprehensive portfolio of hearing protectors paired with communication systems.

Working together

3M is more than just products. We work closely with distributors, safety professionals and companies to protect employees exposed to hazardous environments. With offices around the world, 3M can help our customers succeed everywhere.

Partnership in safety

Many renowned companies have chosen Peltor™ products for optimum safety at work. With customised printing, embossing and other solutions, our products can also help enhance the value of your brand.
Clear and reliable communications are critical to success in most military operations. To be able to communicate whilst at the same time being protected from harmful noise levels is a vital necessity, both for exercises and actual combat situations. Noise levels are often so high that they can cause immediate and permanent damage to the hearing if protection is not worn. At the same time, communication is of prime and vital importance. Orders and information must be heard and understood, both via radio and directly person to person.

Mission Essential Products
Peltor™ and E-A-R™ provide the appropriate equipment regardless your mission. From the Classic™ earplug for optimum attenuation and best comfort, to complex communication systems adapted for army, navy and airforce.
3M™

Military Solutions

Sharpens your senses when it matters most…

Soldier’s senses must be sharp to enable successful operations. Hearing is just as critical as vision, both in darkness and daylight. He or she must be able to hear incoming radio signals without the risk of revealing the actual location. A snapping twig or a whispered message must be heard and located. The communication over the radio must be unhindered, even in deafening combat situations. All these are situations where hearing is critical to success. In combat, on a reconnaissance mission or at your post, Peltor™ communication products sharpens your hearing.

Peltor™ Standard System, a communication standard

Peltor™ standard systems use the same connectors and adjustments to PTT buttons and adapters and are used for all headsets, facilitating usage and ensuring safer communications by reducing the use of product specific solutions. You can chose a personal headset for your individual situation and specific task, and yet be able to easily and quickly connect to other communications systems, should the need arise.

Peltor™ adapters are equipped with an audio input via standard J11 jacks, which means that our complete range of standard headsets can be used without any adaptation. The outgoing cord is equipped with jacks for communication radios or telephones, fitting most currently now on the market.

E-A-R™, hearing protection all over the world

E-A-R manufactures a complete line of hearing protection for anyone who spends time in noisy environments. Over 30 years ago E-A-R introduced the yellow foam earplug, which established brand new standards in protection and comfort. Today this earplug continue to be the most widely recognised product in hearing protection all over the world.
Seeing is believing

Besides protecting your hearing and ensuring your communication capacity 3M also offers protective eyewear with advanced optical engineering. Premium lens technology results in optimal optics with unobstructed field of vision and gives complaint-free wear with less eyestrain. Due to advanced optical engineering 3M has developed patented innovative lens solutions which provide 100% distortion free sight. 3M capabilities in eyewear also include premium coating technology, which is evident in our proprietary 3M™ DX™ coating, and premium design that make the eyewear attractive and comfortable to wear.
The premium range of safety spectacles offers the highest optical class. A broad range of eyewear products include durable anti-scratch and convenient anti-fog coatings. Most of the safety spectacles and goggles by 3M offer reliable UV protection and are all approved to EN166:2001 and are CE marked.

All eyewear products displayed in this catalogue are specially made for Military & Police, and are tested according to Military V** Test regime for high velocity impact protection.
3M™ Maxim Ballistic TacPack

**Description**

Maxim Ballistic TacPack

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<thead>
<tr>
<th>Description</th>
<th>3M Id:</th>
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**PACK CONTENT**

- 1x protective hardcase
- 1x black microfiber pouch
- 1x Spectacle with Clear anti-fog lens and straight temples
- 1x Replacement elastic black headband
- 1x Amber Anti-fog replacement lenses
- 1x Dark Grey Anti-fog replacement lenses

**CASE AND POUCH**

- Rigid case with zipper, 40mm belt loop and plastic snap clasp
- Place to put the spectacle, 2 replacement lenses, 1 elastic headband and 1 microfiber pouch
- Soft black microfiber pouch suitable to clean the lens

**SPECTACLE**

- Plastic frame with DuoForm mould processing
- Dual injected cushion browguard
- Soft universal-fit nose bridge pivots
- Ventilation channel on the top to help prevent fogging
- Short flat replacement temples for better fit under helmets and cups
- By rotating and removing the temples, the various lenses can be replaced with ease
- Broad adjustable elastic strap for secure fit (removable)

**LENSES**

- Polycarbonate patented aspherical lens (better coverage and excellent field of vision)
- Optical quality class 1 (no distortion)
- Resistance to impact at extreme temperature (marking FT)
- DX coating: anti-fog, anti-scratch, anti-static and anti-chemical attack
- Clear lens for indoor use. VLT = 88%
- Amber lens for low light condition VLT = 88% (cloudy environment) (enhance the contrast and luminosity).
- Dark grey lens for outdoor use (sunny condition) VLT = 13%
- All lens colour provide UV-protection according to EN 170 or EN 172, depending on the lens colour.

**CERTIFIED**

- EN166 (impact protection: FT)
- STANAG 2920 (Edition 2), V50 projectile A3/6723/6, 3.6 mm diameter, V50 = 251 m/s
3M™ Peltor™

3M™ Fahrenheit TacPack

PACK CONTENT
- 1x protective case
- 1x black microfiber pouch
- 1x goggle with elastic strap with Clear lenses
- 1x comfortable ventilation insert
- 1x Amber Anti-fog replacement lenses
- 1x Grey Anti-fog replacement lenses

CASE AND POUCH
- Rigid case with zipper, 40mm belt loop and plastic snap clasp
- Place to put the goggle and 2 pairs of replacement lenses
- Soft microfiber pouch suitable to clean the lens

GOGGLE
- High impact nylon black frame for added durability (excellent resistance to impact, heat and cold)
- Specially designed foam gasket is removable, shock resistant and complies with the ANSI flammability test
- Low profile design for better fit under helmets and for the use of army rifle
- Special ventilation system on the bottom and top for heat release and fog resistance
- Broad adjustable elastic strap for secure fit

CERTIFIED
- EN166, field of Use 3, Impact rating FT
- STANAG 2920 (Edition 2), projectile A3/6723/6, 3.6mm diameter, V50, 247 m/s

LENSES
- Tough anti-fog and anti-scratch polycarbonate lenses
- Optical quality class 1 (no distortion) and UV protection
- Maxi-impact system: the lens can not be removed from the back side
  (impact resistance up to 168m/s)
- Dual-lenses for better orbital eye coverage and wide viewing range for easy
  weapons sighting
- Clear lens for indoor use, VLT = 90%
- Amber lens for low light condition (cloudy environment enhance the contrast
  and luminosity), VLT = 89%
- Grey lens for outdoor use (sunny condition), VLT = 11%
- All lens colour provide UV-protection according to EN 170 or EN 172,
  depending on the lens colour.

3M™ Sentinel TacPack

PACK CONTENT
- 1x protective case
- 1x black microfiber pouch
- 1x goggle with elastic strap with Clear lenses
- 1x comfortable ventilation insert
- 1x Amber Anti-fog replacement lenses
- 1x Grey Anti-fog replacement lenses

CASE AND POUCH
- Rigid case with zipper, 40mm belt loop and plastic snap clasp
- Place to put the goggle and 2 pairs of replacement lenses
- Soft microfiber pouch suitable to clean the lens

GOGGLE
- High impact nylon black frame for added durability (excellent resistance to impact, heat and cold)
- Specially designed foam gasket is removable, shock resistant and complies with the ANSI flammability test
- Low profile design for better fit under helmets and for the use of army rifle
- Special ventilation system on the bottom and top for heat release and fog resistance
- Broad adjustable elastic strap for secure fit

CERTIFIED
- EN166, field of Use 3, Impact rating FT
- STANAG 2920 (Edition 2), projectile A3/6723/6, 3.6mm diameter, V50, 247 m/s

LENSES
- Tough anti-fog and anti-scratch polycarbonate lenses
- Optical quality class 1 (no distortion) and UV protection
- Maxi-impact system: the lens can not be removed from the back side
  (impact resistance up to 168m/s)
- Dual-lenses for better orbital eye coverage and wide viewing range for easy
  weapons sighting
- Clear lens for indoor use, VLT = 90%
- Amber lens for low light condition (cloudy environment enhance the contrast
  and luminosity), VLT = 89%
- Grey lens for outdoor use (sunny condition), VLT = 11%
- All lens colour provide UV-protection according to EN 170 or EN 172,
  depending on the lens colour.

3M™ Fahrenheit TacPack

PACK CONTENT
- 1x protective case
- 1x black microfiber pouch
- 1x goggle with elastic strap with Clear lenses
- 1x comfortable ventilation insert
- 1x Amber Anti-fog replacement lenses
- 1x Grey Anti-fog replacement lenses

CASE AND POUCH
- Rigid case with zipper, 40mm belt loop and plastic snap clasp
- Place to put the goggle and 2 pairs of replacement lenses
- Soft microfiber pouch suitable to clean the lens

GOGGLE
- Black TPU (Thermo Plastic Urethane) goggle with indirect ventilation system to prevent fog,
  dust, sand and liquid
- Thermoformed vented foam for extra comfort
- Temples include a channel to allow users to wear prescription spectacles under the goggle
- Large adjustable nylon head strap (38mm) with polyamide side attachment designed to fit
  over military helmet
- Silicone lines on the strap to avoid to slide along the helmet
- Frame design provides excellent coverage and good field of vision

GOGGLE FRAME
- Black TPU (Thermo Plastic Urethane) goggle with indirect ventilation system to prevent fog,
  dust, sand and liquid
- Thermoformed vented foam for extra comfort
- Temples include a channel to allow users to wear prescription spectacles under the goggle
- Large adjustable nylon head strap (38mm) with polyamide side attachment designed to fit
  over military helmet
- Silicone lines on the strap to avoid to slide along the helmet
- Frame design provides excellent coverage and good field of vision

BASE LENS : CLEAR DUAL PANEL LENS
- 2 single lens bonded together with a 2mm space between them to create a lative thermal barrier
  that keeps the inner lens warm and dry (best anti-fog system possible)
- Both lenses are in 1.2mm Polycarbonate with anti-fog coating
- Optical quality class 1 (no distortion - marking 1)
- Resistance to impact at extreme temperature ( marking BT @ 120m/s )
- UV filtration (in conformity with EN 170, marking 2C - 1, 2
- Inner lens : anti-fog coating / Outside lens = anti-scratch
- Lens marking = 2C-1,2 3M 1 BT   (VLT = 82%)
- NEW revolutionary “clip-on” easy cover lens installation.
- The lens cover can be installed even in the dark in a few seconds.

CERTIFIED
- EN166, field of Use 3, Impact rating FT
- STANAG 2920 (Edition 2), projectile A3/6723/6, 3.6mm diameter, V50, 247 m/s
Advanced Optical Engineering by 3M

Advanced Optical Engineering is the true essence of 3M protective eyewear, taking into consideration design, protective qualities and comfort.

In 3M's world, premium is undisputed. Premium Lens Technology results in optimal optics with unobstructed field of vision. Premium Lens Technology gives complaint-free wear with less eyestrain. Due to advanced optical engineering, 3M has developed patented innovative lens solutions. For example the patented Maxim aspherical lens featuring 100% distortion free sight.

3M's capabilities also include Premium Coating Technology, which is evident in our proprietary 3M™ DX™ coating. DX-coating offers a unique formula for the four critical protective properties: anti-mist, abrasion resistance, anti-static and chemical resistance. The DX coating is continuously being developed and monitored in order to provide optimum performance.

3M's premium design may seem unimportant from a protective perspective. However, if eyewear is attractive and comfortable to wear, your staff will be encouraged to use it.

Advanced Optical Engineering makes 3M The Optimal Solution.

The unique aspherical lens by 3M

The curve of the lens follows the curve of your face.
The Human Eye:

- **The Cornea**: in direct contact with the external environment, plays an essential part in the transmission of light rays. It is the structure of the human body which has the highest tactile sensibility.

- **The Pupil**: (light controller), situated in the middle of the iris, works like the diaphragm of a camera. Its diameter changes in accordance with the luminosity.

- **The Lens**: allows focusing (near vision, far vision) thanks to a control muscle. With age this muscle loses power and impacts near vision (presbyopia). The lens can lose its transparency due to exposure to IR (infrared light) and UV (ultraviolet light), resulting in loss of vision (cataract).

- **The Retina**: where all light beams converge, transmits all information through the optic nerve to the brain in order to create your vision. Burned retina cells are lost forever which cause irreversible loss of vision.

**Industrial hazards for the eyes**:

- **Mechanical hazards**: dust, shock, solid particles.
- **Thermal hazards**: hot liquid, molten splash, flames.
- **Chemical or Biological hazards**: splashes for acids, solvents, alkalis, infected blood.
- **Radiation hazards**: ultraviolet, infrared, visible, light, laser.
- **Electrical hazards**: direct contact, short-circuit electric arc.

**Facts on eye damage**:
Every day worldwide more than 600 workers suffer from eye injury simply because they do not wear protective eyewear.
Source: BLS
Choosing the correct hearing protection is paramount to a successful hearing conservation programme. If you offer just one type of device it will not suit all workers and you are more likely to get some workers not wearing their hearing protection.

However if you consult with your workers over the choice of hearing protection and offer a choice, for example a foam earplug, a banded hearing protector and an earmuff, compliance will improve. Ownership and participation will strengthen implementation.

Disposable Foam Earplugs
Roll down earplugs, made from expandable slow-recovery foam, provide the best combination of comfort and protection for most users. One size fits most. Once in the ear, foam plugs expand to provide a snug and secure custom fit. E-A-R™ offers a wide range of disposable earplugs, from the famous yellow 3M™ E-A-R™ Classic™ earplug through to sophisticated shaped options such as the E-A-R™ soft Grippers.

Pod Plugs
Pod earplugs are so easy to use they practically insert themselves. There is no roll needed, just use the soft flexible grip to push the earplug into position and achieve excellent protection. Because you do not have to touch the foam during fitting it is one of the most hygienic types of earplug available. Take a look at the disposable 3M™ E-A-R™ Push-In™ earplug or for a reusable option try out the 3M™ E-A-R™ Express™ earplug.

Reusable Pre-moulded Earplugs
Premolded plugs are made from flexible materials that are preformed to fit the ear. They are generally available with a joining cord to prevent loss. These reusable earplugs are comfortable, hygienic and economical. No sizing is required for these patented, pre-moulded, triple flange earplugs. Available in a variety of styles and protection levels.

Semi-aurel
Banded hearing protectors and easy to use, convenient and extremely comfortable. They are quick to put on and off and to store around the neck when not required making them ideal for intermittent use. They are so easy to fit, it’s very difficult to fit these products incorrectly so you can be confident that your workers are receiving the right level of protection. Most models are available with spare pods making them an economical option.

Passive Earmuffs
Peltor™ Earmuffs consist of rigid cups with soft plastic cushions that seal around the ears to block noise. They are a popular choice in hearing protection due to their ease of use and ability to effortlessly check that workers are wearing their hearing protection. They are available in headband, neckband, helmet-attachable and folding models to meet virtually every application need and wearer preference.
The Peltor™ Optime™ I earmuff has been developed for demanding noisy environments and muffles even extremely low frequencies to a maximum degree. The sealing rings are filled with a unique combination of liquid and foam. The result is an optimum seal with low contact pressure, which provides agreeable comfort even during long-term use. The sealing rings have ventilation channels and are covered with soft, patterned, hygienic foil.

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<th>250</th>
<th>500</th>
<th>1000</th>
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SNR=27dB H=32dB M=24dB L=15dB

The Peltor™ Bullseye™ I Foldable Hearing Protector for Military

The Peltor™ Optime™ III earmuff is a high performance hearing protector and has been developed for use in extremely noisy environments. The protection is based on a technology with a double casing minimising resonance in the holder casing resulting in maximum high-frequency attenuation. An acoustic connection between the inner volume and the volume between the casings in its turn provides maximum low-frequency attenuation.

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<td>37.8</td>
<td>43.0</td>
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SNR=35dB H=40dB M=32dB L=23dB

The Peltor™ Bullseye™ III Passive Hearing Protector for Military

The Peltor™ Optime™ III earmuff is a high performance hearing protector and has been developed for use in extremely noisy environments. The protection is based on a technology with a double casing minimising resonance in the holder casing resulting in maximum high-frequency attenuation. An acoustic connection between the inner volume and the volume between the casings in its turn provides maximum low-frequency attenuation.

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The Peltor™ Optime™ III Hi-Viz Passive Hearing Protector

Same attenuating abilities as the Peltor™ Optime™ III, Hi-Viz green for workers who need hearing protection and be extra visible – on road construction sites, airports or other high-risk workplaces. The sealing rings are broad and filled with soft plastic foam for the best fit and low contact pressure. The Peltor™ Optime™ III Hi-Viz earmuff stands for effective protection and highest comfort for the wearer. The product is also available in di-electric version without visible metal parts.

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SNR=35dB H=40dB M=32dB L=23dB
3M™ E-A-R™ Combat Arms™
Passive Hearing Protector, double ended

Specially developed for the military. Combat Mode: this earplug’s patented design allows wearers to hear low-level sounds critical to mission safety—conversation, footsteps, rifle bolts. When needed, the plug’s “filter” reacts to provide instant protection from high level noises like weapons fire and explosions. Steady State Mode: for protection against constant noise (aircraft, armored vehicles, etc.) without hear-through.

- Patented dual-protection design
- Low-level sounds heard clearly
- High-impulse noise blocked instantly
- Premolded triple-flange design fits most ear canals
- Comfortable and reusable
- No batteries or moving parts

The ISL non linear ear-plugs are designed specifically for use in a combat environment to provide situational awareness and protect against high level of peak impulse noise from small arms and artillery weapons fire. The subjective attenuation measurements against continuous noise are carried out in accordance with EN352-2:2002 whilst the peak impulse noise protection is assessed and reported by the Institute of St. Louis against an internal military test protocol.

Full details of the attenuation measurements are shown below.

The SNR and HML values are: H = 20, M = 11, L = 6 \( \text{SNR} = 15 \)

At 110dB the ISL plug reduces the peak noise level by approximately 8dB, this rises to 24.7dB at a peak pressure of 190dB.

To ensure the peak sound level effective to the ear remains below the Peak Exposure Limit Value of 140dBC it is recommended the product be restricted to a maximum external level of 155dBC peak.

3M™ E-A-R™ Combat Arms™
Passive Hearing Protector, single ended

The ISL non linear ear-plugs are designed specifically for use in a combat environment to provide situational awareness and protect against high level of peak impulse noise from small arms and artillery weapons fire. The subjective attenuation measurements against continuous noise are carried out in accordance with EN352-2:2002 whilst the peak impulse noise protection is assessed and reported by the Institute of St. Louis against an internal military test protocol.

Full details of the attenuation measurements are shown below.

The SNR and HML values are: H = 20, M = 11, L = 6 \( \text{SNR} = 15 \)

At 110dB the ISL plug reduces the peak noise level by approximately 8dB, this rises to 24.7dB at a peak pressure of 190dB.

To ensure the peak sound level effective to the ear remains below the Peak Exposure Limit Value of 140dBC it is recommended the product be restricted to a maximum external level of 155dBC peak.
**3M™ E-A-R™ Classic™**

Passive Hearing Protector

E-A-R™ Classic™ earplugs are made from a soft energy absorbing polymer foam which provides excellent hearing protection and all day comfort. Ideal for use where noise is a problem, either in work or leisure activities.

E-A-R™ Classic™ small earplugs are also available for users who are looking for all the benefits of the E-A-R™ Classic™ but who want greater comfort in smaller ear canals.

**3M™ E-A-R™ Combat Arms™**

Hear-Through™ Protection

Combat Arms™ Earplugs are designed to meet the demanding hearing protection needs of the armed forces. In the Open/Weapons Fire mode, they allow situational awareness yet protect against dangerous peak levels with a filter element that reacts instantaneously to provide increased protection. In the Closed/Constant Protection mode, they protect against high-level steady noises like those in tracked vehicles. This version of the Combat Arms utilizes a new finger-touch rocker cover that can be operated while the earplug is in the ear.

**Patented Dual-Protection Design**

Open/Weapons Fire Mode: this earplug’s patented design allows wearers to hear low-level sounds critical to mission safety – conversation, footsteps, rifle bolts. When needed, the plug’s filter provides attenuation of high level noises like weapons fire and explosions.

Closed/Constant Protection Mode: for attenuation of constant noise (aircraft, armored vehicles, etc.) without hear-through.

**TIP SIZES**

Choose smallest earplug tip size that provides good seal and secure fit, but large enough that at least one flange seals earcanal at earcanal entrance.
The human ear is designed to pick up natural sounds. All of our exciting machines and inventions have created a whole range of unnatural sounds that the ear isn't designed to handle. When the stereocilia are repeatedly exposed to excessive doses of noise, they break. The surviving stereocilia can only handle a fraction of the usual information transfer, and permanent hearing damage is the result.

You only have two
One of five senses. Two ears for a whole life. And a damaged ear cannot be repaired. Noise in the workplace is the most common cause of hearing impairment. We can only tolerate a limited daily dosage of noise. How harmful the noise is depends on the exposure time in combination with the sound level. Five minutes of carelessness during an eight-hour working day could result in impaired hearing for the rest of your life. Full-time wear is therefore the only way to guarantee protection. Most people are aware of this, but are still careless because they perceive hearing protection as heavy or uncomfortable, or because they can’t hear what their colleagues are saying.
But how do you convince people to wear hearing protection all the time? Well, just make it easy to wear!

"Measuring Noise Levels
3M has a comprehensive range of noise measurement solutions used extensively in the military to accurately measure noise exposure levels. Area noise can be measured with a sound level meter whilst a dosimeter is used to more precisely measure the exposure of a specific individual. All Hearing Conservation programmes start with a reliable understanding the noise risk so the right steps can be taken to reduce the risk and ensure staff are appropriately protected."
100% Usage

How harmful the noise is depends on the time of exposure in combination with the sound level. Just five minute’s carelessness during an eight-hour day can cause lifelong hearing loss. That’s why 100% usage is critical if you are to get the protection that the chosen hearing protector provides. Choose a comfortable hearing protector that suits you and your needs.

100% usage.
Gives the expected protection.

99% usage.
Just five minute’s carelessness per day significantly reduces the effect of the hearing protector.

90% usage.
Virtually no protection.

100% usage - the only secure protection from hearing loss

---

Easy To Damage - Easy To Protect

<table>
<thead>
<tr>
<th>Pin falling on floor</th>
<th>Soft whisper</th>
<th>Conversation</th>
<th>Lawnmowing</th>
<th>Riveting</th>
<th>Jet take off</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 dB(A)</td>
<td>Soft whisper</td>
<td>Conversation</td>
<td>Lawnmowing</td>
<td>Riveting</td>
<td>Jet take off</td>
</tr>
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<table>
<thead>
<tr>
<th>dB(A)</th>
<th>Threshold of hearing</th>
<th>Pain Threshold</th>
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<tbody>
<tr>
<td>40-60</td>
<td>Daily exposure causes moderate to severe loss. Hearing protectors required.</td>
<td></td>
</tr>
<tr>
<td>60-80</td>
<td>Daily exposure causes moderate to severe loss. Hearing protectors required.</td>
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</tr>
<tr>
<td>80-100</td>
<td>Daily exposure causes moderate to severe loss. Hearing protectors required.</td>
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<tr>
<td>100-120</td>
<td>Daily exposure causes moderate to severe loss. Hearing protectors required.</td>
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</tr>
<tr>
<td>120-140</td>
<td>Daily exposure causes moderate to severe loss. Hearing protectors required.</td>
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<tr>
<td>140+</td>
<td>Daily exposure causes moderate to severe loss. Hearing protectors required.</td>
<td></td>
</tr>
</tbody>
</table>
The Peltor™ Tactical range of products are invaluable tools for people who are subjected to impulse noises. Peltor™ Tactical products protect against harmful noise while letting in and even amplifying ambient sounds.
3M™ Peltor™ SportTac™
Electronic Level Dependent Hearing Protector

- Developed specifically for hunters and marksmen
- Smooth level dependent function, which eliminates abrupt sound cut-off
- Interchangeable shells makes it easy to change colour
- Equipped with automatic shut-off function
- Collapsible for easy storage
- Not to be used in combat situations
- Does not fit under a ballistic helmet

Only for practice shooting

<table>
<thead>
<tr>
<th>Description</th>
<th>3M product code</th>
<th>Reference Id</th>
<th>Attachment</th>
<th>Weight (g)</th>
<th>Colour</th>
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<tbody>
<tr>
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<td>MT16H210F-478-GN</td>
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<td>Green</td>
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<td>Sport shooting, black shells incl.</td>
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MT16H210F-478-GN

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<tr>
<td>Mean Attenuation (dB)</td>
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<td>36.4</td>
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<td>Standard Deviation (dB)</td>
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<td>3.0</td>
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<td>3.7</td>
<td>5.4</td>
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<tr>
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<td>14.8</td>
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<td>23.8</td>
<td>27.5</td>
<td>34.6</td>
<td>31</td>
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</tbody>
</table>

According to EN352-1:2002

3M™ Peltor™ WS SportTac™
Electronic Level Dependent Hearing Protector with Bluetooth™

Peltor™ WS SportTac™ allows you to better control what you hear – and don’t hear. You can easily adjust the volume of surrounding sounds, filter out certain unwanted frequencies and still be protected from harmful noise levels when the shot is taken. The built-in Bluetooth™ solution makes it possible for wireless connection to a mobile phone or other communication device for instant and discreet communication.

Only for practice shooting

<table>
<thead>
<tr>
<th>Description</th>
<th>3M product code</th>
<th>Reference Id</th>
<th>Attachment</th>
<th>Weight (g)</th>
<th>Colour</th>
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<tr>
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MT16H210FWS5E-584GN

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<td>Mean Attenuation (dB)</td>
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<td>27.0</td>
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<td>33.4</td>
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<td>38.8</td>
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<tr>
<td>Standard Deviation (dB)</td>
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<td>2.3</td>
<td>2.2</td>
<td>2.1</td>
<td>3.6</td>
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<td>3.3</td>
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<tr>
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<td>8.5</td>
<td>15.9</td>
<td>24.8</td>
<td>21.7</td>
<td>29.8</td>
<td>35.5</td>
<td>35.5</td>
</tr>
</tbody>
</table>

According to EN352-1:2002

SNR=26dB H=29dB M=23dB L=17dB
3M™ Peltor™ Protac II™
Electronic Level Dependent Hearing Protector

- Improves communication and safety
- Level dependent function in stereo that lets you hear ambient sound: conversation, machine sounds and warning signals
- Plenty of space for the ear
- Last setting is stored when switched off
- Headset option with guide-mounted microphone
- Three colour options: Military green, Red, Black
- Automatic shut-off after two hours if no function is used
- Battery life is about 1000 hours. Warning signal when power is low, before shut-off
- Audio input jack for external radio

<table>
<thead>
<tr>
<th>Description</th>
<th>3M product code</th>
<th>Reference Id</th>
<th>Attachment</th>
<th>Weight (g)</th>
<th>Colour</th>
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<td>Standard</td>
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<td>MT15H7A2 GN</td>
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<td>Standard</td>
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MT15H7A2

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<tbody>
<tr>
<td>Mean Attenuation (dB)</td>
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<td>30.9</td>
<td>36.6</td>
<td>35.9</td>
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<tr>
<td>Standard Deviation (dB)</td>
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<td>0.9</td>
<td>1.3</td>
<td>1.5</td>
<td>5.5</td>
<td>3.1</td>
<td>2.3</td>
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<tr>
<td>Assumed Protection (dB)</td>
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<td>29.6</td>
<td>35.1</td>
<td>30.4</td>
<td>32.4</td>
<td>36.7</td>
</tr>
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</table>

According to EN352-1:2002

SNR=31dB H=32dB M=29dB L=20 dB
3M™ Peltor™ Tactical™ XP Headset
Electronic Level Dependent Hearing Protector

- Level dependent function that lets you hear ambient sound: conversation, machine sounds and warning signals
- Electronic voice guided menu system
- Equipped with the following functions: volume for the level dependent function, balance, adjustable release time, equalizer, volume for external input and external input mode
- Plenty of space for the ear
- Last setting is stored when switched off
- Automatic shut-off after two hours if no function is used
- Warning signal when power is low, before shut-off
- Audio input jack for external radio
- Available as headset

<table>
<thead>
<tr>
<th>Description</th>
<th>3M product code</th>
<th>Reference Id</th>
<th>Attachment</th>
<th>Weight (g)</th>
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<td>Helmet attachment</td>
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<td>Headset J11</td>
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MT1H7F2

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<tbody>
<tr>
<td>Mean Attenuation (dB)</td>
<td>13.8</td>
<td>21.5</td>
<td>30.9</td>
<td>36.6</td>
<td>35.9</td>
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<td>39</td>
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<tr>
<td>Standard Deviation (dB)</td>
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<td>0.9</td>
<td>1.3</td>
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<td>5.5</td>
<td>3.1</td>
<td>2.3</td>
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<td>Assumed Protection (dB)</td>
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<td>29.6</td>
<td>35.1</td>
<td>30.4</td>
<td>32.4</td>
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</table>

According to EN352-1:2002
SNR=31dB H=32dB M=29dB L=20dB

MT1H7B2

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<th>125</th>
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<th>1000</th>
<th>2000</th>
<th>4000</th>
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<tbody>
<tr>
<td>Mean Attenuation (dB)</td>
<td>13.8</td>
<td>21.5</td>
<td>30.9</td>
<td>36.6</td>
<td>35.9</td>
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<tr>
<td>Standard Deviation (dB)</td>
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<td>0.9</td>
<td>1.3</td>
<td>1.5</td>
<td>5.5</td>
<td>3.1</td>
<td>2.3</td>
</tr>
<tr>
<td>Assumed Protection (dB)</td>
<td>12.0</td>
<td>20.6</td>
<td>29.6</td>
<td>35.1</td>
<td>30.4</td>
<td>32.4</td>
<td>36.7</td>
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According to EN352-1:2002
SNR=31dB H=32dB M=29dB L=20dB

MT1H7P3E2

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<th>Frequency (Hz)</th>
<th>125</th>
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<th>500</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
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<tbody>
<tr>
<td>Mean Attenuation (dB)</td>
<td>14.0</td>
<td>22.4</td>
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<td>Standard Deviation (dB)</td>
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<td>30.8</td>
<td>33.1</td>
<td>36.9</td>
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</tbody>
</table>

According to EN352-1:2002
SNR=30 H=33 M=28 L=20
The Peltor™ ComTac™ product range are invaluable tools for people who are subjected to impulse noises. Peltor™ ComTac™ products protect against harmful noise while letting in and even amplifying ambient sounds.

Being able to communicate with your surroundings whilst at the same time being protected from harmful noise levels is a vital necessity in the military, both for exercises and battle situations. Noise levels are often so high that they can cause immediate, permanent damage to your hearing if protection is not worn.

At the same time, communication is a must. Orders and information must be heard, both over the radio and directly person to person. The Peltor™ ComTac™ Electronic Level Dependent Hearing Protector is designed for just these conditions. It is also specially designed to be worn comfortably under a helmet, be used with different kinds of weapons without being in the way, and at the same time protect effectively against harmful noise levels.
3M™ Peltor™ ComTac™ Solutions

3M™ Peltor™ ComTac™ XP
Electronic Level Dependent Hearing Protector

- Slim cup design
- SNR of 28dBA
- Level dependent function (talk through)
- Functions: external input mode, release time, balance, plug mode, equalizer mode and external mute mode
- Last setting is stored when switched off (except plug mode)
- Fully independent dual earphone system for talk through and external radio signal
- Compatible with the majority of ballistic helmets on the market
- Automatically switches off after two hours if no function is used
- Battery life is about 500 hours

MT17H682FB-02

<table>
<thead>
<tr>
<th>Description</th>
<th>3M product code</th>
<th>Reference Id</th>
<th>Attachment</th>
<th>Weight (g)</th>
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<th>NSN number</th>
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<tr>
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<td>Foldable Head band</td>
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** according to EN352-1:2002

Table:

<table>
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<tr>
<td>Mean Attenuation (dB)</td>
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SNR=28dB H=31dB M=25dB L=16dB

** in combination with 3M EAR Classic earplug (Plug mode)

Table:

<table>
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</table>

According to EN352-1:2002

SNR=39 dB H=36 dB M=38 dB L=36 dB
Communication made easy…

The dynamic microphone has a small coil attached to the membrane. When sound waves make contact with the diaphragm, it vibrates. As the coil is attached to the membrane, a small voltage is generated in it by electromagnetic induction. These microphones are “self driven” and needs no external power source. The optimal positioning is 3-5mm from the lips.

The standard boom microphone is an ambient noise cancelling dynamic microphone with standard performance, which makes the systems usable for many purposes, such as radio and amplifier installations in aircraft, ships and vehicles or other places where noise levels are high.

The Gooseneck microphone has a flexible arm.

The throat microphone can be connected to detachable dynamic microphone input. Perfect to use with gasmasks and respiratories.
• Slim cup design
• SNR of 28 dB
• Level dependent function (talk through)
• Functions: external input mode, release time, balance, plug mode, equalizer mode and external mute mode
• Last setting is stored when switched off (except plug mode)
• Fully independent dual earphone system for talk through and external radio signal
• Compatible with the majority of ballistic helmets on the market
• Automatically switches off after two hours if no function is used
• Battery life is about 500 hours
• Available as a Neckband

3M™ Peltor™ ComTac™ XP Headset
Electronic Level Dependent Headset

MT17H682FB-38

<table>
<thead>
<tr>
<th>Description</th>
<th>3M product code</th>
<th>Reference Id</th>
<th>Attachment</th>
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<th>NSN number</th>
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<td>Headset J11 Neckband</td>
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<td>MT17H682FB-38</td>
<td>Neckband</td>
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### Frequency and Attenuation Table

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<th>250</th>
<th>500</th>
<th>1000</th>
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<tr>
<td>Mean Attenuation (dB)</td>
<td>11.5</td>
<td>17.9</td>
<td>27.8</td>
<td>30.0</td>
<td>32.1</td>
<td>36.2</td>
<td>40.3</td>
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<tr>
<td>Standard Deviation (dB)</td>
<td>2.5</td>
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<td>1.8</td>
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<td>3.0</td>
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<td>Assumed Protection (dB)</td>
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<td>15.3</td>
<td>25.9</td>
<td>27.7</td>
<td>29.1</td>
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<td>37.2</td>
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</table>

According to EN352-1:2002

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

<table>
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<th>Frequency (Hz)</th>
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<th>500</th>
<th>1000</th>
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<th>4000</th>
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</thead>
<tbody>
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<td>MT17H682BB-38</td>
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<tr>
<td>Mean Attenuation (dB)</td>
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<td>33.1</td>
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<tr>
<td>Standard Deviation (dB)</td>
<td>1.8</td>
<td>2.3</td>
<td>2.2</td>
<td>2.1</td>
<td>3.2</td>
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<tr>
<td>Assumed Protection (dB)</td>
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<td>29.9</td>
<td>30.1</td>
<td>32.9</td>
</tr>
</tbody>
</table>

According to EN352-1:2002

SNR=28dB H=31dB M=25dB L=18dB

3M™ Peltor™
ComTac™ Headset Solutions
3M™ Peltor™ ComTac™ XP Headset
Bone Conduction Microphone

- Slim cup design
- SNR of 28 dB
- Level dependent function (talk through)
- Functions: external input mode, release time, balance, plug mode, equalizer mode and external mute mode
- Last setting is stored when switched off (except plug mode)
- Fully independent dual earphone system for talk through and external radio signal
- Compatible with the majority of ballistic helmets on the market
- Automatically switches off after two hours if no function is used
- Battery life is about 200 hours
- Available with bone conduction microphone for Selex Communication radio and for Harris 7800

```
Description  3M product code  Reference Id    Attachment  Weight (g)  Colour  NSN number
Headset, bone conduction mic. Marconi PRR  XH0166063  MT17H682FB-69  Foldable head band  –  –  5965-25-152-7509
Headset, bone conduction mic. GP228  XH01660659  MT17H682FB-T5187  Foldable head band  –  –  5965-09-510-1155
Headset, bone conduction mic. Harris 7800  XH01660659  MT17H682FB-72  Foldable head band  –  –  5965-09-510-1155
```

MT17H682FB-**

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
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<th>250</th>
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<th>2000</th>
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<tbody>
<tr>
<td>Mean Attenuation (dB)</td>
<td>11.5</td>
<td>17.9</td>
<td>27.8</td>
<td>30.0</td>
<td>32.1</td>
<td>36.2</td>
<td>40.3</td>
</tr>
<tr>
<td>Standard Deviation (dB)</td>
<td>2.5</td>
<td>2.7</td>
<td>1.8</td>
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<td>Assumed Protection (dB)</td>
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<td>15.3</td>
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<td>27.7</td>
<td>29.1</td>
<td>34.2</td>
<td>37.2</td>
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</tbody>
</table>

According to EN352-1:2002
3M™ introduces the innovative Peltor™ COMTAC™ 4 Hybrid Headset for today’s modern warfighter. The 4th generation headset continues the legacy and tradition of trusted hearing protector headsets from 3M’s Peltor brand. The hybrid approach addresses customer demand for in-ear hearing protection while retaining the advantages of the traditional architecture of an over-the-ear style hearing protector.
3M™ Peltor™ ComTac™ IV
Hybrid Headset

The Peltor™ ComTac™ IV is designed to help reduce exposure to hazardous levels of noise, improve situational awareness and at the same time enable two-way radio communication in noisy environments.

- Designed for comfortable use with a ballistic helmet
- Hearing protection
- Detachable microphone & ear buds
- Backwards compatible with Peltor™ FL50** series adapters
- Level dependent function for situational awareness
- Easy use and operate
- Foldable for easy storage and transportation
- Voice guided configuration menu (hidden)
- Functions: release time, balance, boost mode
- Automatic switch off after two hours if no function is used
- Headset electronics are contained completely inside the headset housing, eliminating the need for a large, heavy external radio control box
- A headband which mechanically stabilizes the headset to help relieve issues of earplugs dislodging from cable snags and body movement
- No software loads or outside power required, complete self-contained headset with power fail safe
- Tested to military standards

The Peltor™ ComTac™ IV is designed to help reduce exposure to hazardous levels of noise, improve situational awareness and at the same time enable two-way radio communication in noisy environments.

### Accessories and Spare parts:

<table>
<thead>
<tr>
<th>Description</th>
<th>Art no</th>
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<tbody>
<tr>
<td>MT21E</td>
<td>MT90-02</td>
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<tr>
<td>Flexi boom speech microphone</td>
<td>Throat microphone (dynamic)</td>
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<table>
<thead>
<tr>
<th>Description</th>
<th>Art no</th>
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<tbody>
<tr>
<td>HY700</td>
<td>HTM045/2</td>
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<tr>
<td>Comfort padding - foam</td>
<td>Pair of ear buds</td>
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<table>
<thead>
<tr>
<th>Description</th>
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<tr>
<td>PELTIP4-01</td>
<td>PELTIPS-01</td>
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<tr>
<td>Pair of ear Ultrafit ear tips</td>
<td>Pair of ear Torque ear tips</td>
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**PELTIP4-01 in combination with MT16H044F-** UltraFit Eartips

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</table>

According to EN352-1:2002

**PELTIPS-01 in combination with MT16H044F-** Torque Eartips

<table>
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<th>Frequency (Hz)</th>
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<tbody>
<tr>
<td>Mean Attenuation (dB)</td>
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<td>Standard Deviation (dB)</td>
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<td>3.6</td>
<td>2.5</td>
<td>3.4</td>
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<tr>
<td>Assumed Protection (dB)</td>
<td>26.1</td>
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<td>26.3</td>
<td>28.4</td>
<td>30.1</td>
<td>37.4</td>
<td>38.9</td>
</tr>
</tbody>
</table>

According to EN352-1:2002
Mission Essential Products

Peltor™ and E-A-R™ provide the appropriate equipment regardless your mission. From the Classic™ earplug for optimum attenuation and best comfort, to complex communication systems adapted for army, navy and airforce.
Sturdy, water-resistant adapters with integrated push-button (PTT) for connecting Peltor™ headsets to communication radios and mobile telephones.

For environments with risk of explosion, we also have ATEX-approved EX adapters.
The new Peltor™ FL5000 adapter series is a small, strong and easy-to-handle adapter, specially designed for rough environments. The PTT button is within easy reach, both from the right and left hand side, and easy to handle even when wearing heavy gloves. The adapter, and the jack, in particular, have been designed to protect the electronic components against moisture. The chassis jack and strain-relief have been tested and approved for a min. of 100,000 plug-ins. The back of the adapter has a strong, 360° turnable clip for secure fastening on garments.

Adapter
Single PTT

Special adapters for special needs.
It’s possible to choose if the headset shall have a connector or not.

Two radios at the same time with the dual radios connectors and PTT button for each radio.

Adapter
Multi PTT
### Standard Adapters

<table>
<thead>
<tr>
<th>3M product code</th>
<th>Reference Id</th>
<th>NSN number</th>
<th>Communication radio</th>
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<tbody>
<tr>
<td>XH0016503999</td>
<td>FL5010</td>
<td>5965-25-150-9679</td>
<td>ICOM IC, Alan, Zodiac (straight connector), Yaesu, Alinco</td>
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<tr>
<td>XH001651906</td>
<td>FL5017</td>
<td>5965-25-150-9682</td>
<td>Motorola Visar</td>
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<tr>
<td>XH001651914</td>
<td>FL5018</td>
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<td>Motorola GP900, HT1000, MT2000</td>
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<tr>
<td>XH001651005</td>
<td>FL5030</td>
<td>5965-25-151-5986</td>
<td>Motorola GP340, GP320</td>
</tr>
<tr>
<td>XH001651013</td>
<td>FL5034</td>
<td>5965-25-150-9684</td>
<td>ICOM IC-F3G5, IC-F3G7, IC-F4G5, IC-F4G7 (angled connector)</td>
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<tr>
<td>XH001651021</td>
<td>FL5035</td>
<td>5965-25-150-9685</td>
<td>Kenwood TK3101, Furkey</td>
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<tr>
<td>XH001654249</td>
<td>FL5042</td>
<td>5965-25-150-9686</td>
<td>Nokia TETRA THR880/ EADS TETRA THR880</td>
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<tr>
<td>XH001679188</td>
<td>FL50142</td>
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<td>Cassidian EADS THR9</td>
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<td>XH001654256</td>
<td>FL5044</td>
<td>5965-25-152-0519</td>
<td>ICOM F31/F41 / F51/F61</td>
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<td>XH001654280</td>
<td>FL5058</td>
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<td>Sepura TETRA SRP2000 / SRH300</td>
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<tr>
<td>XH001675269</td>
<td>FL50101</td>
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<td>Sepura TETRA STP8000 series</td>
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<td>XH001654306</td>
<td>FL5062</td>
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<td>Motorola TETRA MTP850</td>
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<td>XH001677794</td>
<td>FL50-T9170</td>
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<td>Motorola TETRA MTH800</td>
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<td>XH001654314</td>
<td>FL5063</td>
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<td>Motorola Mototrobo</td>
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<td>XH001654348</td>
<td>FL50-T9088</td>
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<td>ICOM IC-M1 / M71</td>
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<tr>
<td>XH001654389</td>
<td>FL50-T9089A</td>
<td>5965-25-150-9664</td>
<td>ICOM IC-A3, A4, A6 / A22</td>
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<td>XH001654397</td>
<td>FL50-T9139</td>
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<td>ICOM IC-F34/F44</td>
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<td>FL50-T9140</td>
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<td>Motorola GP344 / 388</td>
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For more information regarding adapters for military radios, please contact military sales representative.
# Headset and Adapters for Military radios, “NATO” wiring

<table>
<thead>
<tr>
<th>3M product code</th>
<th>Reference Id</th>
<th>NSN number</th>
<th>Description</th>
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<tbody>
<tr>
<td>XH001678107</td>
<td>MT17H682FB-86</td>
<td>5965-09-510-4995</td>
<td>Headset J11, “NATO” wiring</td>
</tr>
<tr>
<td>XH001678115</td>
<td>MT17H682FB-86 SV</td>
<td>5965-09-510-4996</td>
<td>Headset Black J11, “NATO” wiring</td>
</tr>
<tr>
<td>XH001678123</td>
<td>MT17H682BB-86</td>
<td>5965-09-510-4993</td>
<td>Headset J11, Neckband “NATO” wiring</td>
</tr>
<tr>
<td>XH001678131</td>
<td>MT17H682BB-86 SV</td>
<td>5965-09-510-4994</td>
<td>Headset J11, Neck Band “NATO” wiring</td>
</tr>
<tr>
<td>XH001678149</td>
<td>MT17H682FB-87</td>
<td>5965-12-384-5607</td>
<td>Headset w/ gooseneck mic, “NATO” wiring</td>
</tr>
<tr>
<td>XH001678156</td>
<td>MT17H682FB-87 SV</td>
<td>5965-12-384-5609</td>
<td>Headset Black w/ gooseneck mic, “NATO” wiring</td>
</tr>
<tr>
<td>XH001674064</td>
<td>MT17H682FB-19B</td>
<td>5965-25-160-5197</td>
<td>Headset for double communication w/ gooseneck mic, “NATO” wiring</td>
</tr>
<tr>
<td>XH001678164</td>
<td>MT72H10F-86</td>
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<td>Twin-Cup High Attenuation Headset, J11, “NATO” wiring</td>
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<tr>
<td>XH001678198</td>
<td>MT7H79F-86</td>
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<td>High Attenuation Headset, J11, “NATO” wiring</td>
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<tr>
<td>XH001678172</td>
<td>MT32H02-86</td>
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<td>No Attenuation Headset, J11, “NATO” wiring</td>
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<tr>
<td>XH001685120</td>
<td>FL5040-07</td>
<td>5965-25-160-3745</td>
<td>Adapter for MBITR 2M, AN/PRC-148, “NATO” wiring</td>
</tr>
<tr>
<td>XH001687214</td>
<td>FL5052-02</td>
<td>5965-25-150-9969</td>
<td>Adapter for Thales P40, “NATO” wiring</td>
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<tr>
<td>XH001678388</td>
<td>FL5601-100</td>
<td>5965-25-160-5200</td>
<td>Adapter for Harris 7800, J11, “NATO” wiring</td>
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</table>

**Difference between “NATO” and “Peltor” Standard**

<table>
<thead>
<tr>
<th>“NATO” wiring</th>
<th>“Peltor” STAND wiring</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC -</td>
<td>MIC -</td>
</tr>
<tr>
<td>Earph. +</td>
<td>MIC +</td>
</tr>
<tr>
<td>MIC +</td>
<td>Earph. +</td>
</tr>
<tr>
<td>Earph. -</td>
<td>Earph. -</td>
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</table>

For more information regarding adapters for military radios, please contact military sales representative.

# Special Headset and Adapters for Military radios

<table>
<thead>
<tr>
<th>3M product code</th>
<th>Reference Id</th>
<th>NSN number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>XH001678164</td>
<td>MT17H682FB-88</td>
<td>5965-12-384-5612</td>
<td>Headset Stereo connected J11, with MT7N mic. (Only for FL5501 and FL5701 adapter)</td>
</tr>
<tr>
<td>XH001653027</td>
<td>FL5501</td>
<td>5965-09-510-4991</td>
<td>Dubble adapter for MBITR 2M, AN/PRC-148 (Only to MT17H682FB-48 Headset)</td>
</tr>
<tr>
<td>XH001673611</td>
<td>FL5701</td>
<td>5965-12-384-6451</td>
<td>Dubble adapter for MBITR 2M, AN/PRC-148 (Only to MT17H682FB-48 Headset)</td>
</tr>
</tbody>
</table>

For more information regarding adapters for military radios, please contact military sales representative.
The Peltor vehicle intercom is an intercom system based on Peltor™ Rally Amplifiers.

The system is designed for use in vehicles on land and sea, combining full-duplex communication with connectivity to a mobile station/com radio(s).

- The vehicle intercom system is fitted in a moisture and impact-resistant metal capsule (IP65).
- Cables for power, headsets, PTT function and mobile stations can be connected to the unit.

**3M™ Peltor™ Vehicle Intercom**

**T8034A**

- Max. 4 users, power supply 12V
- Headset with J47 contact
- Aviation-Headset, 2m cable with VK01 & J47 contact
- Headsetbox for 1 headset, 5m cable, J47C
- Headsetbox for 3 headset, 5m cable, J47C
- PTT button with 2m cable
- Adapter for Peltor J11 contact to Vehicle Intercom

<table>
<thead>
<tr>
<th>Description</th>
<th>3M product code</th>
<th>Reference Id</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. 4 users, power supply 12V</td>
<td>XH01682374</td>
<td>T8034A</td>
<td></td>
</tr>
<tr>
<td>Headset with J47 contact</td>
<td>XH01681871</td>
<td>MT7H79A-TS06G</td>
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</tr>
<tr>
<td>Aviation-Headset, 2m cable with VK01 &amp; J47 contact</td>
<td>XH01660956</td>
<td>MT51H79F-TS06P</td>
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<tr>
<td>Headsetbox for 1 headset, 5m cable, J47C</td>
<td>XH01655220</td>
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<tr>
<td>Headsetbox for 3 headset, 5m cable, J47C</td>
<td>XH01665658</td>
<td>FLT-T8037</td>
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<tr>
<td>PTT button with 2m cable</td>
<td>XH01662770</td>
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<tr>
<td>Adapter for Peltor J11 contact to Vehicle Intercom</td>
<td>XH01654330</td>
<td>FL50-T8081</td>
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</tr>
</tbody>
</table>

For more information please contact the Technical Com. service in Varnamo.
Peltor DECT-Com II is a wireless intercom system, operating on the 1.8 GHz “DECT-frequencies”, which are licence free in most countries. For North America there are products for the 1.9 GHz UPCS band. The system allows up to 9 persons to communicate in full duplex conference and more than 40 persons listening with possibility to break in to the conference at any time. "All Call" is possible between all DECT-Com II users / bases in range. Possibility for 3 different conference groups on one base or to connect 2 external communication systems; communication radios or telephones. The base/portable and the Extensionbase / portable unit can act as a base unit or a portable unit depending on start up sequence. There is possibility to implement optional functions for different situations. The power supply unit can also be used as a bracket for fixed or mobile use. Antenna attachment in a chassis connector makes it possible to alternatively use an external omnidirectional vehicle antenna.

- Working range typ. 250 meters from the portable unit to the base
- All Peltor™ standard headset with Peltor™ J11 connectors works ( Not NATO wired headset )
- Voice activated “noise gate” for suppression of surround sound, ( VOX )
- Conversation time up to about 40 hours ( portable unit ), 6 hours ( base unit ) with rechargeable battery ( DC2033 )
- Belt clip
- With the Extension Base / Portable unit you can connect an external radio
- Security by digital transmission with initial identification procedure

### Description | 3M product code | Reference Id
--- | --- | ---
DECT-Com II Base unit | XH001675954 | DC2812
DECT-Com II Portable | XH001675947 | DC2811
DECT-Com II Extension Base / Portable | XH001675962 | DC2815

### Spare parts for DECT-Com II:

| Description | 3M product code | Reference Id |
--- | --- | ---
DECT-Com II mains adapter | XH001675871 | DC2061
DECT-Com II Charger / Holder, IP42, inc DC2061 | XH001675897 | DC2064
DECT-Com II Battery carrier for 6xAA batteries | XH001675764 | DC2032
DECT-Com II Rechargeable battery pack, NiMH 2100 mAh | XH001675772 | DC2033
DECT-Com II Antenna, omnidirectional with magnetic foot | XH001675855 | DC2046
DECT-Com II Power supply / holder | XH001677232 | DC2088

### Adapter cables for DECT-Com II:

| Description | 3M product code | Reference Id |
--- | --- | ---
Adapter cable for Icom, straight connector | XH001676341 | DC2-5001
Adapter cable for Motorola GP340 | XH001676358 | DC2-5030
Adapter cable for Motorola Mototrbo | XH001676366 | DC2-5063
Other cables on demand.

Please contact the lokal 3M company to get more information regarding this product.
Peltor™ Lite-Com™ III
Built-in Two-way Communication Headset

- Available in two versions; with 8 channels in the PMR 446 MHz band or with 69 channels on the LPD 433 MHz band (a user's license may be required)
- On the PMR channels 38 subchannels allow several user groups to communicate without listening to other groups on the same channel
- Built-in active-sound function lets you hear ambient sounds; warning signals, machine sounds, conversation etc., while sudden impulse noise at harmful levels are immediately attenuated
- An electronic voice in the receiver tells you the settings of the device
- LCD display to visualize advanced and standard settings
- Separate PTT button for the auxiliary input, where a cellular phone, a com., radio, or other audio source can be connected
- Unused, Lite-Com III switches off automatically to save the batteries

<table>
<thead>
<tr>
<th>Description</th>
<th>3M product code</th>
<th>Reference Id</th>
<th>Attachment</th>
<th>Weight (g)</th>
<th>Colour</th>
<th>NSN number</th>
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<tbody>
<tr>
<td>Electret mic LPD 433 MHz</td>
<td>XH001653100</td>
<td>MT53H7A430B</td>
<td>Head band</td>
<td>436</td>
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<td>Head band</td>
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<td>Dyn. mic PMR 446 MHz</td>
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MT53H7A430B

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<th>500</th>
<th>1000</th>
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<td>H=30dB</td>
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<tr>
<td>M=26dB</td>
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</table>

Mean Attenuation (dB) | 16.5 | 19.9 | 29.0 | 32.5 | 32.4 | 37.4 | 38.7 |
Standard Deviation (dB) | 2.6  | 2.0  | 4.2  | 3.0  | 4.2  | 4.4  | 3.2  |
Assumed Protection (dB) | 13.9 | 17.9 | 24.8 | 29.5 | 28.2 | 33.0 | 35.5 |

Peltor™ WS Lite-Com™
Built-in communication radio and Bluetooth®

3M™ Peltor™ Lite-Com™ communication headsets have a communication radio built into a highly attenuating ear protection. In the WS Lite-Com, there is also a Bluetooth link for connecting the headset to a mobile phone or another audio device with Bluetooth® functionality. Stereo microphones pick up the ambient sound which is reproduced inside the shells, while a level dependent surround sound function is effectively limiting impulse sounds to avoid hearing damage.

Included in the package
WS Lite-Com headset
Rechargeable battery
Alkaline batteries
Hygiene kit

<table>
<thead>
<tr>
<th>Description</th>
<th>3M product code</th>
<th>Reference Id</th>
<th>Attachment</th>
<th>Weight (g)</th>
<th>NSN number</th>
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<tbody>
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<td>XH001677026</td>
<td>MT53H7A4410WS5</td>
<td>Head band</td>
<td>464g (incl.)</td>
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MT53H7A4410WS5 (headband)

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<th>500</th>
<th>1000</th>
<th>2000</th>
<th>4000</th>
<th>8000</th>
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</table>

Mean Attenuation (dB) | 15.5 | 23.3 | 31.2 | 35.6 | 35.0 | 36.5 | 40.9 |
Standard Deviation (dB) | 2.6  | 2.3  | 2.0  | 3.2  | 3.4  | 3.4  | 3.3  |
Assumed Protection (dB) | 13.0 | 21.0 | 29.2 | 32.4 | 31.6 | 33.2 | 37.6 |

According to EN352-1:2002
Headbands

Headband (A)
Stainless spring steel. Soft padded cushion – comfortable even during long-term use.

Neckband (B)
Combines with other protective equipment, such as welding shield.

Folding headband (F)
Takes little space in toolbox or pocket. Sealing rings are protected against soiling and damage.

Cup size

Low Attenuation
Fits under combat helmet.
SNR 25-26dB(A) (Depending on model)

Medium Attenuation
SNR 30-31dB(A) (Depending on model)

High Attenuation
SNR 31-35dB(A) (Depending on model)
Military Headset Combinations

Helicopter Rescue (MT21H61FA)
Headset specially made for the rescudiver. This headset makes it possible for the rescudiver to communicate with the crew in the helicopter during his mission when he is in the water. The headset is build to stand the environment in the water both under and above the surface. This headset makes it possible to make the mission to go faster and give the rescudiver a much safer mission. When the mission goes faster it possible to save more people and do it faster (save money and lives).

Twin-Cup High Attenuation (MT72H10F-38)
NSN number: 5965-25-150-9672
- Extra high-attenuating twin shells with optimised acoustic design and excellent space for the ears for the best possible sound quality and comfort
- Effective noise cancelling microphone for clear and reliable communication
- Quick Positioning integrated microphone boom for easy handling
- Soft, wide, foam and fluid-filled ear cushions and individually sprung head band wires of stainless sprung steel provide an even and consistent distribution of pressure around the ears for the best possible comfort
- Overhead and helmet-attached versions to meet most users’ requirements

High Attenuation (MT7H79F-38)
NSN number: 5965-25-150-9674
- High-attenuating shells with optimised acoustic design and excellent space for the ears for the best possible sound quality and comfort
- Effective noise cancelling microphone for clear and reliable communication
- Quick Positioning integrated microphone boom for easy handling
- Soft, wide, foam and fluid-filled ear cushions and individually sprung head band wires of stainless sprung steel provide an even and consistent distribution of pressure around the ears for the best possible comfort
- Standard J11 connection (Nexus TP-120)
- Beam-mounted earphones that provide the least possible resonance and distortion for excellent sound reproduction even in very high-noise environments
- Numerous configurations. Overhead, neckband and helmet-attached versions to meet most users’ requirements

Medium Attenuation (MT7H61FA-38)
NSN number: 5965-25-150-9673
- Low-profile shells for easy, comfortable use together with other PPE devices
- Low weight
- Effective noise cancelling microphone for clear and reliable communication
- Quick Positioning microphone for easy handling
- Soft, wide, foam and fluid-filled ear cushions and individually sprung head band wires of stainless sprung steel provide an even and consistent distribution of pressure around the ears for the best possible comfort
- Beam-mounted earphones that provide the least possible resonance and distortion for excellent sound reproduction even in high-noise environments
- Available in standard version with J11 (Nexus TP-120) connector. Also available in a direct-connected version on request.
- Choose between Head- or neck band
No Attenuation (MT32H02-38)
NSN number: 5965-09-510-1371
- Very high comfort due to a broad Head band of sprung stainless steel, which ensures even pressure
- Replaceable padding
- Built-in air ducts
- Continuous height adjustment
- Load-relieving cord clip
- Standard version with J11 connector
- Available in single sided or dual earphones
- Not CE approved as hearing protection device

Ground crew headset (special made on request)
Headset made to be in very high noise around jetfighters. In such a high noise hearing loss can be caused in just seconds. The headset has secure straps so it can’t slip away from the position on the head.

For more information please contact the Technical Com. service in Varnamo.

Waterproof Headset for Helmet (special made on request)
FL55-T9149
Headset made to be build into rescue helmets. Direct connection to radio.
This application is used by the Swedish Sea Rescue, using direct connection to ICOM IC-MI / M70.
(Helmet not included)
Heat Stress Monitors

Durable and Accurate Heat Stress Analysis

Industry-Leading Technology and Design

Heat Stress prevention begins with the accurate measurement and analysis of heat stress in the workplace and performance training environments. 3M™ Heat Stress Monitors provide safety professionals with the durable, easy-to-use instrumentation needed to identify, measure, analyze and monitor heat stress related exposure levels — primary activities in the four-step process of protecting employees, athletes, and others at risk of heat stress:

+ 1. Identify
+ 2. Monitor
+ 3. Control
+ 4. Protect

3M™ QUESTemp® series covers a broad range of heat stress monitors, making it easy to select an instrument that meets the needs of different users and environments. From manufacturing to hazardous duty to performance training and military applications, there is a QUESTemp® monitor suited to your application.
**3M™ QUESTemp° Series Heat Stress Monitors**

The QUESTemp° Series area heat stress monitors are designed to quickly and accurately evaluate potential heat stress environments. These rugged instruments deliver high performance monitoring through WBGT (Wet Bulb Globe Temperature) sensing technology and the calculation of a WBGT Index value. An optional air probe enables the calculation of PMV/PPD thermal comfort indices. These innovative instruments are designed for the rigors of the workplace, with easy-to-use features, intrinsic safety certification and advanced reporting capabilities.

**Features and Benefits:**
- Models with intrinsic safety certification
- Long battery life and robust construction
- Data logging capabilities for enhanced reporting and measurement
- Multilingual display (English, French, German, Italian, Spanish)
- Real-time clock provides accurate reporting with time stamping
- Convenient stay time display per multiple standards
- Optional remote sensor bar allows for simultaneous monitoring of up to three areas
- Optional air probe accessory for calculation of PMV/PPD thermal comfort indices
- Download data to NEW! Detection Management Software DMS or existing QuestSuite™ Professional II for analysis and data management

**Reduced Maintenance with Innovative Waterless Wet Bulb Sensing Technology**

The QUESTemp® 44/46/48N utilizes a Waterless Wet Bulb sensor designed for working environments where daily instrument upkeep is difficult. A high-quality humidity sensor and a proprietary algorithm perform the calculation of the WBGT values eliminating the hassle of daily wet bulb maintenance.

**Six Models to Choose From**

- **QUESTemp® Natural Wet Bulb Models**
  - QT-32
  - QT-34
  - QT-36

- **QUESTemp® Waterless Wet Bulb Models**
  - QT-44
  - QT-46
  - QT-48N

For more information regarding 3M™ QUESTemp please contact 3M UK
More safety from one source

Since 2008, renowned Peltor™ and E-A-R™ products significantly broaden 3M’s range of hearing, eye, face and head protection products. You will benefit from the combined forces of companies who have been setting standards worldwide in the occupational health field.

Protect yourself and your employees better than before with professional occupational health solutions that meet all your requirements, which are perfectly tailored to your individual applications.

A safe bet for even better performance

This new portfolio of 3M presents a huge advantage for you as customer and user because by joining forces we will be able to develop even better and more comfortable personal protective equipment solutions. This translates to enhanced protection, more comfort and increased productivity. Quality, innovation and know-how will continue to be the distinguishing features of every one of our products – for increased safety and ease of use.

To answer any questions you may have related to occupational health, the contacts you already know will continue to be available to you with the same good service you have become accustomed to.
Diverse range of personal protective equipment

The combined portfolio of 3M, Peltor™ and E-A-R™ products includes high-quality, innovative solutions to protect people at work. Here are some examples:

- Respiratory protection
- Active & passive hearing protection
- Eye protection
- Head protection
- Welding protection
- Protective coveralls
- Noise Measurement & Heat stress monitors

Find out more and visit our Website www.3M.EU/Safety

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