



3M™ Defence & Law Enforcement Portfolio



We strive to set the standard for confidence and trust by providing rugged, reliable protective communication equipment.

3M™ PELTOR™ Solutions for today's modern warfighter have been designed for use in combat and combat support operations, specifically for use with firearms and ballistic combat helmets. The hearing protectors feature external microphones for environmental listening (aka *Talk-Through*) capability, so operators can maintain auditory situational awareness while protecting their hearing.

With more than 60 years of experience, the PELTOR™ Brand promises quality communication solutions that help provide an excellent balance of comfort and protection.

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.



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New products

Highest attenuation on the market*

3M™ PELTOR™ CH-5 High Attenuation Communication Headset. **Learn more on page 24**



*As of May 2017



Small and lightweight with situational awareness

The 3M™ PELTOR™ TEP-100 Tactical Earplug. **Learn more on page 32**

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A soldier's senses must be sharp at all times to enable successful operations. Hearing can be just as critical as vision, both in darkness and daylight.

Noise levels are often so high that they can cause immediate and permanent damage to one's hearing if proper protection is not worn.

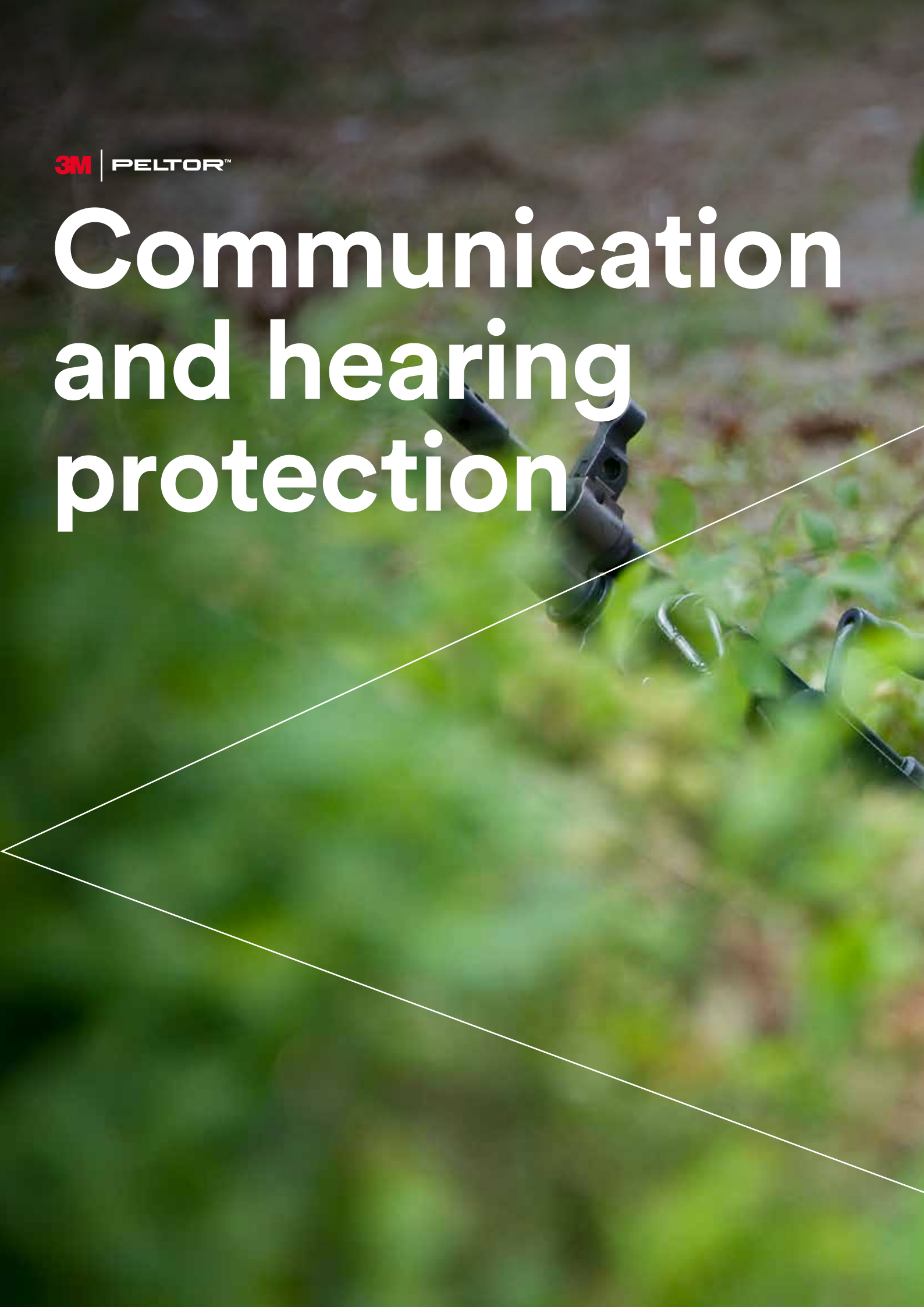
He or she must be able to hear incoming radio signals without the risk of revealing the actual location. A snapping twig or a whispered message must be heard and located. Communication over the radio must be possible, even in deafening combat situations.





3M | PELTOR™

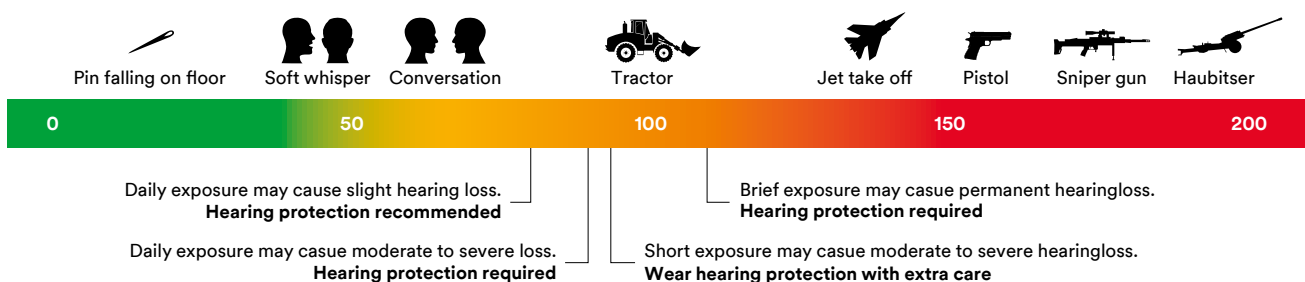
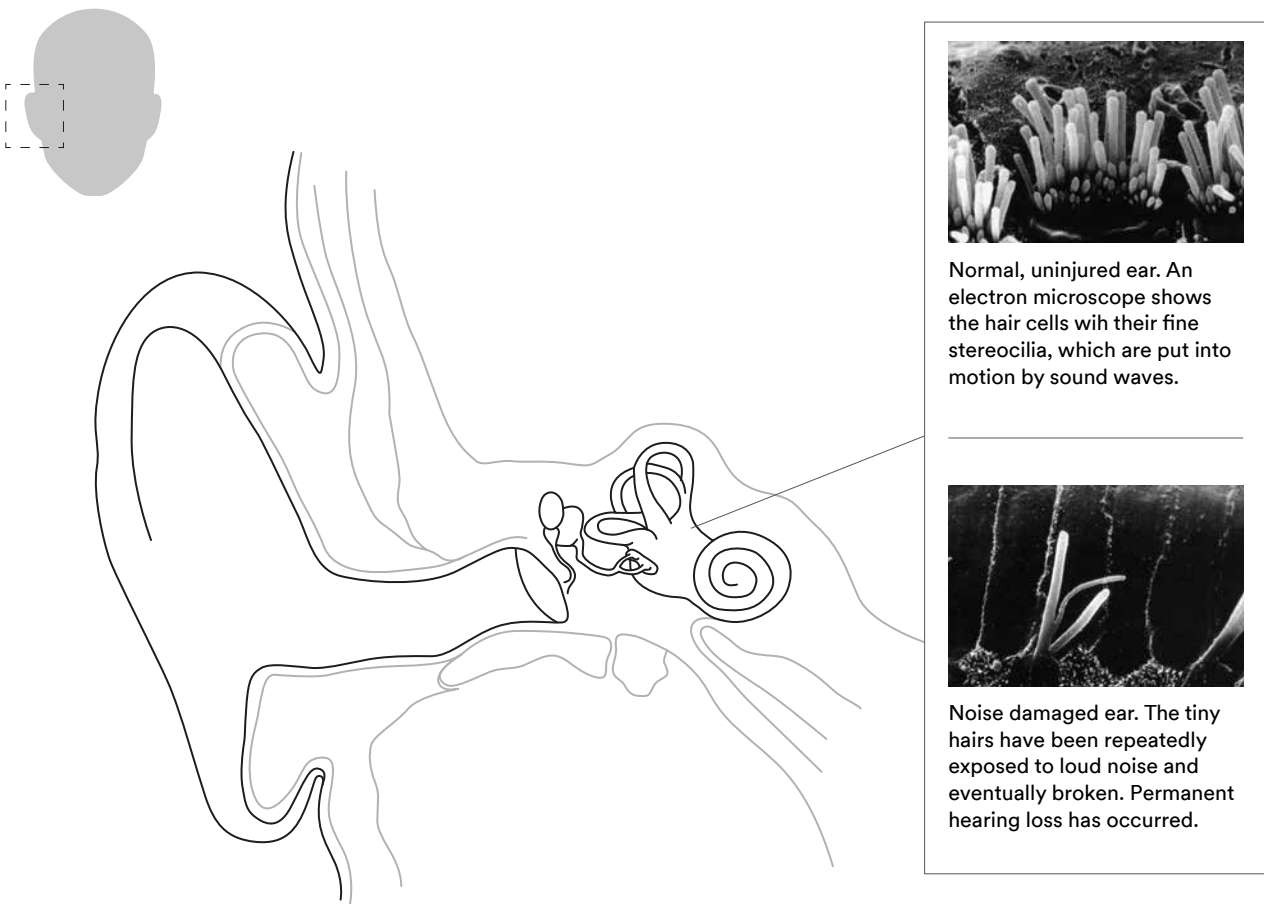
Communication and hearing protection





Easy To Damage – Easy To Protect

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.





Five minutes of carelessness

A damaged ear cannot be repaired. Noise in the environment is one of the most common causes 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.

Safety

To be effective, a hearing protector should be used 100% of the time in noisy environments. Even taking it off for a short time dramatically reduces its effectiveness and greatly increases the risk of hearing damage.

The 3M™ PELTOR™ Headsets with level-dependent microphones for ambient listening and Bluetooth® technology encourage longer use because the wearer feels less isolated and can communicate with others more easily.

100%
usage



Gives the expected protection

99%
usage



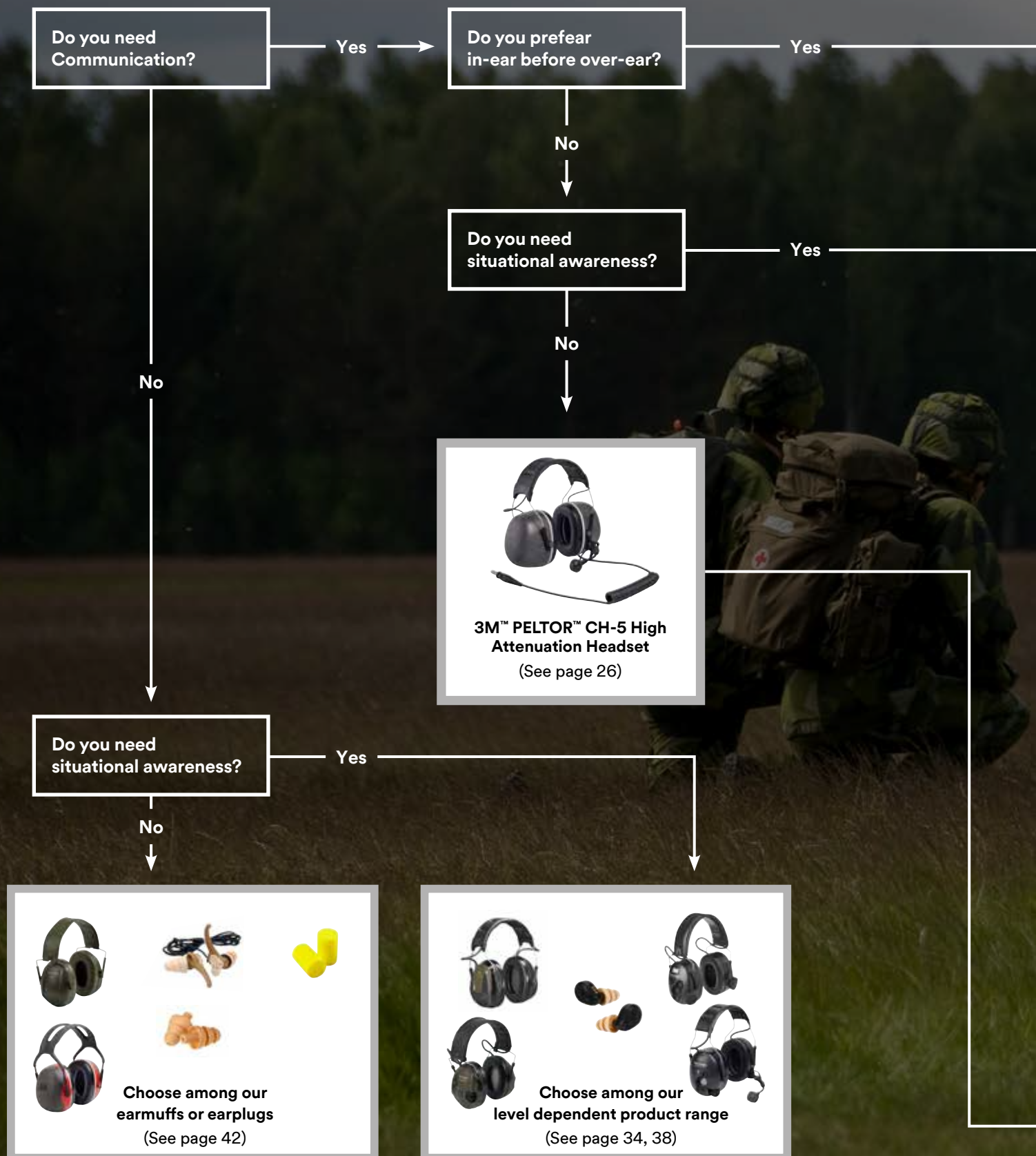
**Just five minutes of carelessness per day
Significantly increased risk of hearing damage**

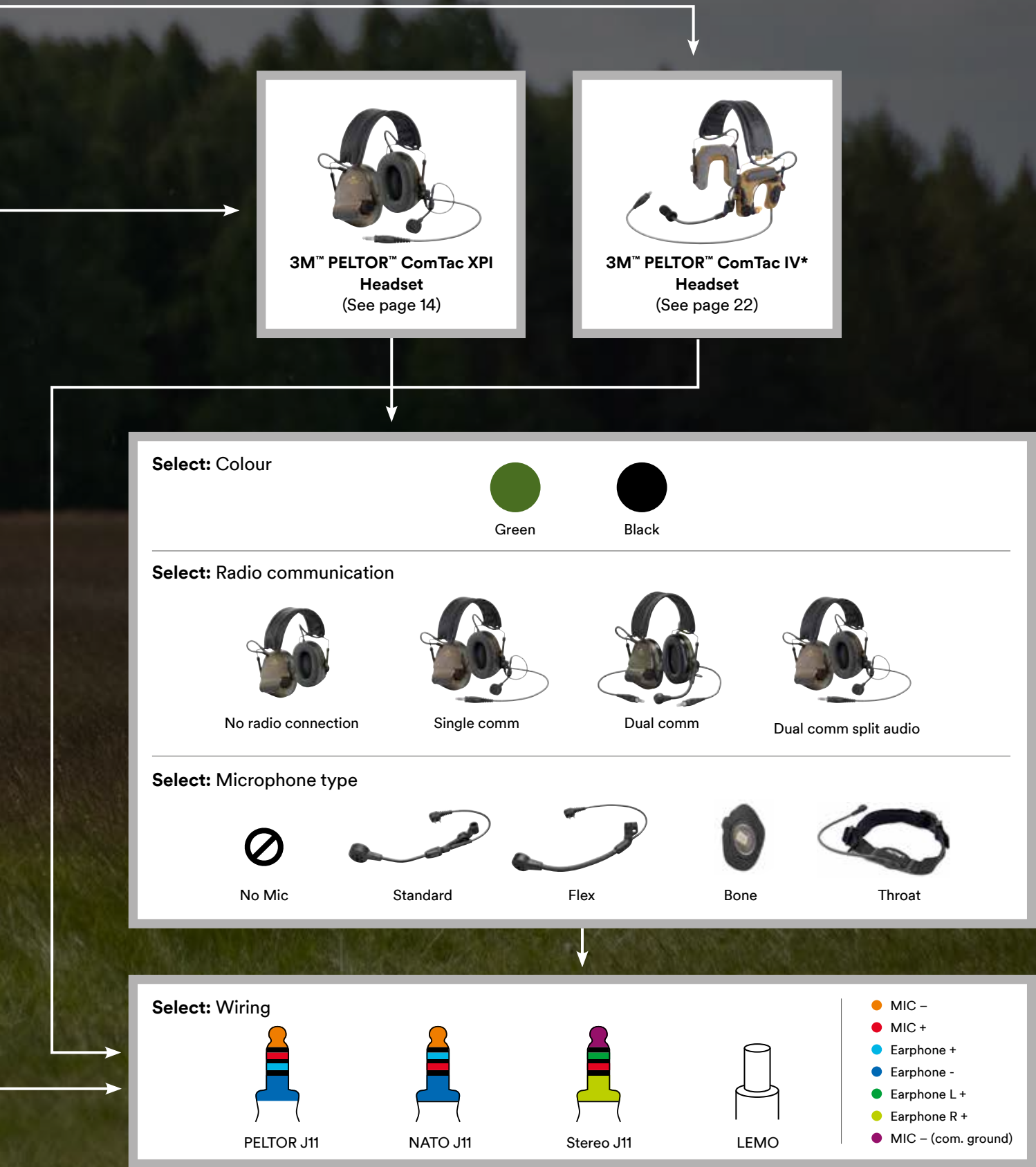
90%
usage



Virtually no protection

Selection guide





*3M™ PELTOR™ ComTac IV Headset only available with Single comm, Flex mic, PELTOR J11, NATO J11 and Stereo J11 wiring.



ComTac Headset Solutions

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 proper hearing protection is not worn.

The 3M™ PELTOR™ ComTac Product range includes invaluable tools for people who are subjected to impulse noises. 3M™ PELTOR™ ComTac Products help protect against harmful noise while letting in and sometimes even amplifying quiet ambient sounds.



3M™ PELTOR™ ComTac XPI

Headset Features

Hearing Protection

Noise attenuating ear cups help provide hearing protection in environments with potentially hazardous noise



Great Connectivity

The external radio jack or connection cable provides the possibility to connect to an external communication device

Easy to use

The headset is controlled with two buttons along with a ghost voice to help guide you through the settings.

“Plug and play”, no start up time

Level dependent – Situational Awareness

Environmental Listening is a means of allowing safe audio sounds to bypass the individual hearing protection while still protecting against harmful noises. This is accomplished with a proprietary digital audio circuit integrated into the headset.

A microphone receives the sounds outside the headset and transmits them to a speaker inside the headset. The Level-Dependent digital audio circuit senses noise levels above the desired threshold and compresses them to a safe decibel level (82dB A) or amplifies weak sounds to an audible level.

Fail-safe mode

External communication and “Level dependent - Situation Awareness” are battery independent for Rx/Tx, fail safe mode.

In the event of battery depletion or other power failure, external communications will continue to function.

Slim design

Designed to be worn comfortably under a helmet and used with different kinds of weapons without interference

Situational Awareness

Level-dependent function for situational awareness and communication

Detachable Microphone

Easy to adjust and fit in to place

Gel Ring for more comfort in certain conditions.
Learn more on page 49



Watertight microphone



The new noise canceling microphone is based on enhanced technology that makes it watertight and gives you built-in wind protection. The special design of the microphone also improves your speech intelligibility.

- Watertight microphone IP68 (3m/30min)
- Improved communications in windy environment
- Functional after water contact
- Easy to clean
- Headset has backward compatibility with dynamic microphones
- Improved Noise performance



Microphone types

Standard microphone – An ambient noise cancelling dynamic microphone.

Flexi boom microphone – Has a flexible arm.

Throat microphone – Connects to the microphone jack. Works well with gasmasks and respirators.

Comtac XPI Headset



**SNR
28dB
attenuation**

with maintained
situational awareness

Comtac XPI Headset with earplug mode



**SNR
39dB
attenuation**

with maintained
situational awareness



Earplug mode

With small arms fire potentially achieving levels of 160 dB or greater, dismounted troops are particularly at risk as they no longer have the noise protection provided by armoured fighting vehicles. Soldiers in these situations desperately require situational awareness, and are often unable to wear the earmuffs and earplugs worn in training and by heavy artillery personnel.

The Comtac XPI headset provides a noise reduction of SNR 28dB. This level of attenuation increases to SNR 39 dB when worn with an 3M™ E-A-R™ Classic™ Earplug, but due to the Comtac XPI headset's innovative "plug mode", the environmental listening is unaffected, and the user maintains situational awareness.

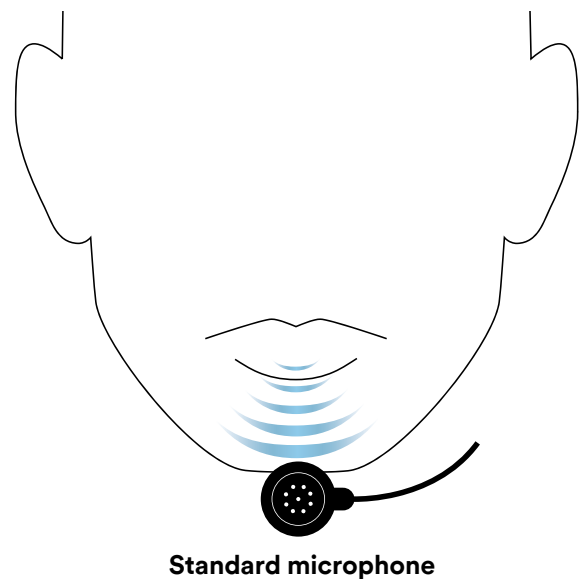
Dual protection is necessary in order to help protect from high risk noise such as mortars, artillery and anti tank weapons.

Bone Conduction Microphone

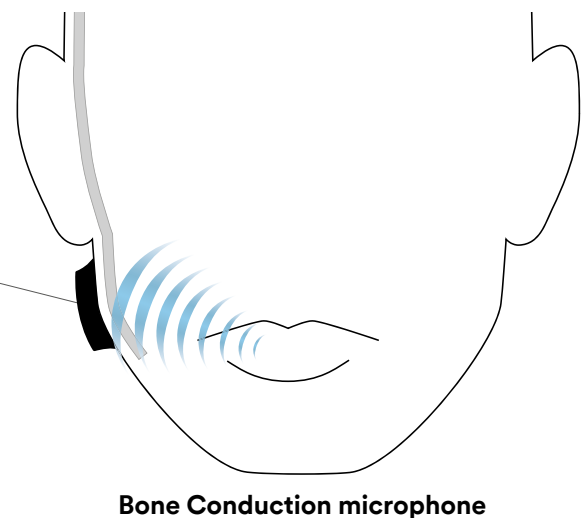
Bone conduction technology has been around for many years as a tool to help those with hearing loss.

A microphone with bone conduction picks up the sound of your voice through the vibration of the bones of your face (jaw bones and cheek bones). In other words the sound waves do not need to pass out through the mouth and into a microphone in front of it.

This allows communication without a need for any cables or anything obtrusive in front your mouth which can be useful when, for example, wearing a gasmask.



- No cables needed
- Effective when wearing a gasmask
- Nothing obtrusive in front of the mouth



Headband styles



Folding headband

Takes little space in backpack or pocket. Sealing rings are protected against soiling and damage.



Neckband

Compatible with many types of other protective equipment.



Helmet rail attachment

For use with most ballistic helmets with rails.

3M™ PELTOR™ ComTac XPI Headset

Electronic Level Dependent Hearing Protection



Hearing protection	✓
Detachable microphone	
Level-dependent function for ambient listening	✓
Earplug mode	✓
Automatic power off	✓
Self contained electronics within the headset with power fail safe	✓
Tested according to military standards*	✓
Headband types	
Neckband	
Helmet attachment	
Foldable headband	✓
Battery life	~ 200h**

* MIL-STD-810G, EMC-MIL-STD-461F
** Battery & temperature dependent

Description	3M product code	Reference Id	Attachment
ComTac XPI Standard Headset, Green	XH001680905	MT20H682FB-02	Foldable head band
ComTac XPI Standard Headset, Black	XH001680988	MT20H682FB-02 SV	Foldable head band



3M™ PELTOR™ ComTac XPI Headset

Electronic Level Dependent Headset



Hearing protection	✓
Detachable microphone	✓
Level-dependent function for ambient listening	✓
Earplug mode	✓
Automatic power off	✓
Self contained electronics within the headset with power fail safe	✓
Tested according to military standards*	✓
Headband types	
Neckband	✓
Helmet attachment	✓
Foldable headband	✓
Battery life	~ 200h**

* MIL-STD-810G, EMC-MIL-STD-461F

** Battery & temperature dependent

3M™ PELTOR™ wired Headset

Description	3M product code	Reference Id	Attachment
ComTac XPI Headset J11, Green	UU001501269	MT20H682FB-38	Foldable Head band
ComTac XPI Headset J11, Black	UU001501285	MT20H682FB-38 SV	Foldable Head band
ComTac XPI Headset J11 Neckband, Green	UU001501053	MT20H682BB-38	Neckband
ComTac XPI Headset J11 Neckband, Black	UU001501061	MT20H682BB-38 SV	Neckband
ComTac XPI Headset J11 Helmet Attach, Green	UU001501293	MT20H682P3AD-38	Helmet attach.
ComTac XPI Headset J11 Helmet Attach, Black	UU001501301	MT20H682P3AD-38 SV	Helmet attach.
ComTac XPI Headset J11, Flexi boom mic. Green	UU001501103	MT20H682FB-68	Foldable Head band
ComTac XPI Headset J11, Flexi boom mic. Black	UU001501814	MT20H682FB-68 SV	Foldable Head band

NATO wired Headset

Description	3M product code	Reference Id	Attachment
ComTac XPI Headset J11, "NATO" wiring	XH001680913	MT20H682FB-86	Foldable Head band
ComTac XPI Headset J11, "NATO" wiring	XH001681036	MT20H682FB-86 SV	Foldable Head band
ComTac XPI Headset J11, Neckband "NATO" wiring	UU001501079	MT20H682BB-86	Neckband
ComTac XPI Headset with rails attachment for example OPS-core helmet, "NATO" wiring	XH001681044	MT20H682P3AD-86	Helmet attach.
ComTac XPI Headset w flexi boom mic, "NATO" wiring	XH001681051	MT20H682FB-87	Foldable Head band
ComTac XPI Headset for dubble communication, Flexi boom mic, "NATO" wiring	UU001501087	MT20H682FB-19B	Foldable Head band

Stereo wired Headset

Description	3M product code	Reference Id	Attachment
ComTac XPI Headset J11, Stereo wiring	XH001680897	MT20H682FB-88	Foldable Head band

Direct leed Headset for SELEX PRR radio

Description	3M product code	Reference Id	Attachment
ComTac XPI Headset for Selex PRR, Flexiboom mic	UU001501848	MT20H682FB-89	Foldable Head band
ComTac XPI Headset for Selex PRR, Standard mic	UU003091899	MT20H682FB-90	Foldable Head band

3M™ PELTOR™ ComTac XPI Headset

Electronic Level Dependent Headset with Bone Conduction Microphone



Hearing protection	✓
Detachable microphone	✓
Level-dependent function for ambient listening	✓
Earplug mode	✓
Automatic power off	✓
Self contained electronics within the headset with power fail safe	✓
Tested according to military standards*	✓
Headband types Neckband Helmet attachment Foldable headband	✓
Battery life	~ 200h**

* MIL-STD-810G, EMC-MIL-STD-461F

** Battery & temperature dependent

Headset with Bone conductive microphone

Description	3M product code	Reference Id	Attachment
ComTac XPI Headset with bone conduction mic. for SELEX PRR radio, Green	XH001681002	MT20H682FB-69	Foldable head band
ComTac XPI Headset with Bone cond. mic. J11	UU007823477	MT20H682FB-97	Foldable head band
ComTac XPI Headset with Bone cond. mic Nato J11	UU007823501	MT20H682FB-98	Foldable head band
ComTac XPI Headset with Bone cond. mic. J11, STEREO	UU003026984	MT20H682FB-95	Foldable head band

Attenuation tables

MT20H682FB-*1							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	11.5	17.9	27.8	30.0	32.1	36.2	40.3
Standard deviation (dB)	2.5	2.7	1.8	2.3	3.0	2.0	3.1
Assumed Protection Value (dB)	9.0	15.3	25.9	27.7	29.1	34.2	37.2

According to EN352-1:2002

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

MT20H682BB-*1							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	16.6	16.8	27.4	32.1	33.1	33.0	36.1
Standard deviation (dB)	1.8	2.3	2.2	2.1	3.2	2.9	3.2
Assumed Protection Value (dB)	14.8	14.5	25.2	30.0	29.9	30.1	32.9

According to EN352-1:2002

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

Earplug mode



MT20H682FB* in combination with 3M™ E-A-R™ Classic™ earplug (EAR Plug mode)								
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	33.6	35.5	40.8	51.4	44.7	37.0	48.1	44.8
Standard deviation (dB)	4.4	5.8	5.0	6.6	4.8	3.6	4.9	4.8
Assumed Protection Value (dB)	29.1	29.7	35.8	44.9	40.0	33.5	43.3	40.0

According to EN352-1:2002

SNR=39 dB H=36 dB M=38 dB L=36 dB

3M™ PELTOR™ ComTac XPI Headset

Selection matrix

Models in green

3M ID / SAP ID	Product Description	Colour	Band Style			Mik typ.				Connector			
			F-Band	Neck-band	P3AD	Bone	Standard	Flex	No Mic	PELTOR J11	NATO J11	Stereo J11	LEMO
XH001680905 7100020111	MT20H682FB-02 ComTac XPI	●	●						●				
UU001501087 7100039831	MT20H682FB-19B ComTac XPI dubbel leads	●	●					●			●		
UU001501095 7100039854	MT20H682FB-33 ComTac XPI curld cable	●	●				●			●			
UU001501269 7100035866	MT20H682FB-38 ComTac XPI Headset	●	●				●			●			
UU001501053 7100035198	MT20H682BB-38 ComTac XPI Headset	●		●			●			●			
UU001501293 7100049434	MT20H682P3AD-38 ComTac XPI Headset	●			●		●			●			
UU001501103 7100039830	MT20H682FB-68 ComTac XPI Headset Flex Mic	●	●					●		●			
XH001681002 7100035233	MT20H682FB-69 ComTac XPI Bonecond. mic	●	●			●							●
XH001680913 7100020329	MT20H682FB-86 ComTac XPI Headset, NATO	●	●				●				●		
UU001501079 7100039769	MT20H682BB-86 ComTac XPI neckband NATO	●		●			●				●		
XH001681044 7100036591	MT20H682P3AD-86 ComTac XPI Helmet NATO	●			●		●				●		
XH001681051 7100035926	MT20H682FB-87 ComTac XPI Flex Mic NATO	●	●					●			●		
XH001680897 7100020110	MT20H682FB-88 ComTac XPI Flex Mic Stereo	●	●				●					●	
UU001501848 7100040089	MT20H682FB-89 ComTac XPI Selex PRR	●	●					●					●
UU003091899 7100083899	MT20H682FB-90 ComTac XPI Selex PRR	●	●				●						●
UU003026984 7100060447	MT20H682FB-95 ComTac XPI Bone mic Stereo	●	●			●						●	
UU007823477 7100096142	MT20H682FB-97 ComTac XPI Bone mic J11	●	●			●				●			
UU007823501 7100096175	MT20H682FB-98 ComTac XPI Bone mic Nato	●	●			●					●		

Models in black

3M ID / SAP ID	Product Description	Colour	Band Style			Mik typ.				Connector			
			F-Band	Neck-band	P3AD	Bone	Standard	Flex	No Mic	PELTOR J11	NATO J11	Stereo J11	LEMO
XH001680988 7100035232	MT20H682FB-02 SV ComTac XPI	●	●						●				
UU001501285 7100037410	MT20H682FB-38 SV ComTac XPI Headset	●	●				●			●			
UU001501061 7100035924	MT20H682BB-38 SV ComTac XPI Headset	●		●			●			●			
UU001501301 7100039853	MT20H682P3AD-38 SV ComTac XPI Headset	●			●		●			●			
UU001501814 7100052605	MT20H682FB-68 SV ComTac XPI Headset Flex Mic	●	●					●		●			
XH001681036 7100035925	MT20H682FB-86 SV ComTac XPI Headset NATO	●	●				●				●		

3M™ PELTOR™ ComTac IV Hybrid

Headset Features

Easy to use

Designed for comfortable use with a ballistic helmet

Speech Microphone

Helps you communicate via radio or intercom in noisy environments

Open construction

Appropriate for warm climates

The hybrid approach

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.

Contained electronics

Headset electronics are contained completely inside the headset housing, eliminating the need for a large, heavy external radio control box.



3M™ PELTOR™ ComTac IV Hybrid

Electronic Level Dependent Headset

Stable headband

A headband which mechanically stabilizes the headset to help relieve issues of earplugs dislodging from cable snags and body movement



Great Connectivity

The external radio jack or connection cable provides the possibility to connect to an external communication device

Hearing protection	✓
Detachable microphone	✓
Level-dependent function for ambient listening	✓
Earplug mode	
Automatic power off	✓
Self contained electronics within the headset with power fail safe	✓
Tested according to military standards*	✓
Headband types Neckband Helmet attachment Foldable headband	✓
Battery life	~ 250h**

* MIL-STD-810F, EMC-MIL-STD-461F

** Battery & temperature dependent



Noise attenuating ear tips

Help provide hearing protection in environments with potentially hazardous noise

Description	3M product code	Reference Id	Attachment
ComTac VI headset, Flex boom mic., Green	XH001679535 / 7000108487	MT16H044F-38 GN	Foldable Head band
ComTac VI headset, Flex boom mic., Green	XH001679543 / 7000108488	MT16H044F-86 GN	Foldable Head band
ComTac VI headset, Flex boom mic., Green	XH001679550 / 7000108489	MT16H044F-88 GN	Foldable head band

Attenuation tables

PELTIP4-01 in combination with MT16H044F-** 3M™UltraFit™ Eartips							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	28.6	27.0	30.3	29.2	30.9	31.6	32.0
Standard deviation (dB)	5.3	6.0	6.0	5.4	3.4	6.6	4.5
Assumed Protection Value (dB)	23.3	21.0	24.4	23.8	27.4	25.1	27.6

According to EN352-1:2002

SNR=27dB H=26dB M=25dB L=23dB

PELTIP5-01 in combination with MT16H044F-** 3M™Torque™ Eartips							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	31.0	29.5	31.4	33.9	33.7	40.0	42.4
Standard deviation (dB)	4.9	4.6	5.2	5.5	3.6	2.5	3.4
Assumed Protection Value (dB)	26.1	24.9	26.3	28.4	30.1	37.4	38.9

According to EN352-1:2002

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



High Attenuation Headset

Designed to be used in extreme military environments such as tanks (crew headsets), ground crew around fighter jets, and helicopters. The CH-5 Headset employs the latest technology to help provide protection against hazardous levels of noise including impact sounds.

The 3M™ PELTOR™ CH-5 High Attenuation Headsets offer a high SNR value and impact sound protection. Works great together with 3M™ PELTOR™ PTT Adapters or direct to an intercom system.



3M™ PELTOR™ CH-5 High Attenuation Headset

Headset Features



Highest SNR on the market*

With new innovative technology and design, the CH-5 headset helps protect against hazardous noise levels and very loud sounds.

Robust construction

Designed to cope with the rough and extreme environments in and around battle tanks during live firing conditions. Easy to maintain.

3M™ PELTOR™ CH-5 High Attenuation Headset

Communication headset with highest SNR on the market*

Stainless Steel Wire Headband

Wire headband offers comfortable and consistent pressure

Hearing protection	✓
Dynamic water tight boom microphone	✓
Tested according to CE standards	✓
Stainless Steel Wire Headband	✓



Water tight microphone

Dynamic water tight boom microphone (IP 68) (3meter / 30min)

Hearing Protection

Noise attenuating ear cups help provide hearing protection in environments with potentially hazardous noise.

Cable type

Reinforced with fibre thread

Description	3M product code	Reference Id	Attachment
Hearing protector, J11 PELTOR connection	UU008027532 / 7100099845	MT73H450A-38	Headband
Hearing protector, J11 NATO connection	UU008027565 / 7100099883	MT73H450A-86	Headband

Attenuation tables

MT73H450A-38, MT73H450A-86							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	23.0	28.8	39.7	44.0	37.7	42.7	41.3
Standard deviation (dB)	2.9	1.6	2.5	3.3	2.2	1.7	4.2
Assumed Protection Value (dB)	20.1	27.2	37.2	40.7	35.6	41.0	37.1

According to EN 352-1:2002

SNR=37 dB H=38 dB M=36 dB L=28 dB

The product has been tested in accordance with the impulse test requirements of ANSI S12.42

Adapters and Cables

3M™ PELTOR™ Adapters are equipped with an audio output via standard J11 connector, which means that our complete range of standard headsets can be used without any adaptation. The outgoing cord is equipped with connectors for communication radios or telephones. We can fit most of the common radios/phones on the market.



Adapters and Cables

Features

Radio Connections

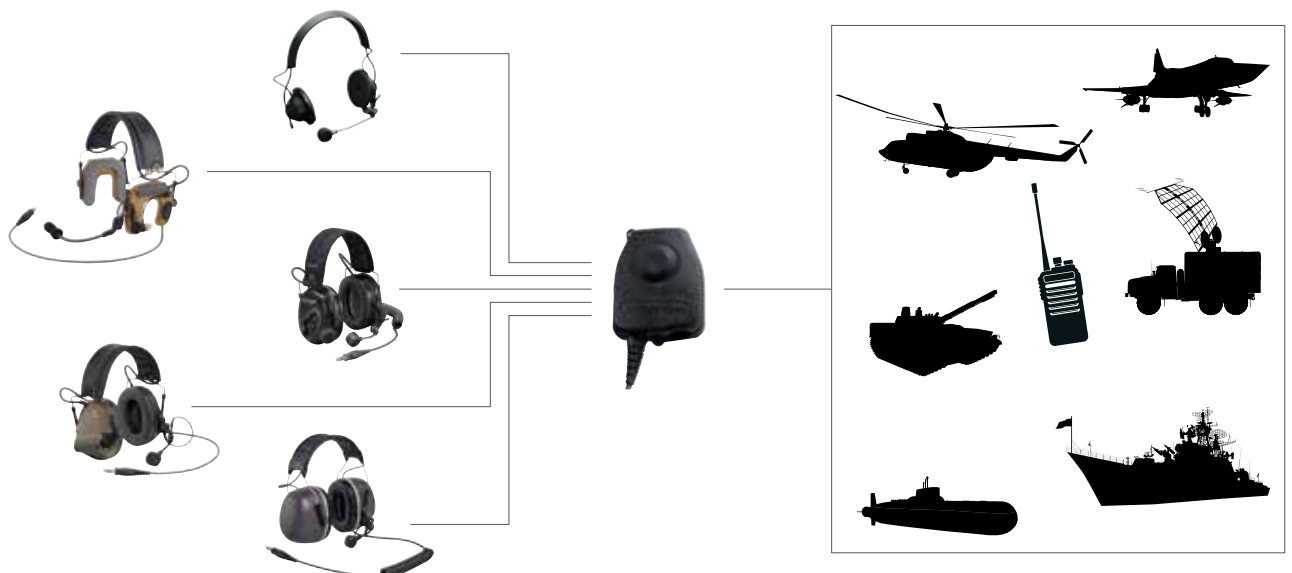
Able to connect various radios and Intercom systems on the market.

Sturdy design

Can be used with a gloved hand.
Designed to reduce accidental activation. Water-resistant.

360° turnable clip

Design to accommodate left and right handed operators. For secure fastening on garments.



3M™ PELTOR™ Adapter Single PTT FL4000

- Small, strong and easy-to-handle adapter, specially designed for rough environments
- Designed to help protect the electronic components against moisture
- Tested and approved for min. of 100,000 plug-ins
- 360° turnable clip for secure fastening on garments



Extra clips for FL4000



Shroud for FL5000

3M™ PELTOR™ Adapter Single PTT FL5000

- Small, strong and easy-to-handle adapter, specially designed for rough environments
- Designed to help protect the electronic components against moisture
- Tested and approved for min. of 100,000 plug-ins
- 360° turnable clip for secure fastening on garments



3M™ PELTOR™ Adapter Multi PTT

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



Military Adapters NATO wired

Description	3M product code	Reference Id
3M™ PELTOR™ PTT-adapter to Motorola GP320/340	XH001678214 / 7000108418	FL5030-02
3M™ PELTOR™ PTT-adapter to Harris Falcon II®, H-250/U	XH001665120 / 7000108190	FL5040-07
3M™ PELTOR™ PTT Adapter to Harris Falcon III®, 7800	XH001678388 / 7000108433	FL5601-100
3M™ PELTOR™ Small PTT Adapter to Harris Falcon II®, H-250/U	UU003086483 / 7010048629	FL4040-02

Military Adapter STEREO wired

Description	3M product code	Reference Id
3M™ PELTOR™ Stereo connected PTT for two MBITR radios	XH001673611 / 7000108273	FL5701

Military Adapters PELTOR wired

Description	3M product code	Reference Id
3M™ PELTOR™ PTT-adapter to RACAL MBITR	XH001654223 / 7000147276	FL5040
3M™ PELTOR™ PTT-adapter to RA145, RA146, RA180	XH001654140 / 7000107876	FL5025
3M™ PELTOR™ PTT-adapter to PR4G	XH001654272 / 7000107882	FL5052
3M™ PELTOR™ Double PTT adapter to PR4G/Astro 5000	XH001677331 / 7000108372	FL5508

Spare parts / Accessories for FL5000 adapters

Description	3M product code	Reference Id
3M™ PELTOR™ Shroud for FL5000	XH001652946 / 7000039651	TKD5502/1
3M™ PELTOR™ Clips for FL50*	XL001636783 / 4100010766	TKD5005
3M™ PELTOR™ Clips for FL5*, THIN	XL001636874 / 4100010765	TKD5011

Adapters PELTOR wired FL4000

Description	3M product code	Reference Id
3M™ PELTOR™ PTT-adapter to Motorola GP320/340	UU001512910 / 7100049552	FL4030
3M™ PELTOR™ PTT-adapter to Motorola Mototrbo™ DP3000, DP4000	UU001512936 / 7100049623	FL4063
3M™ PELTOR™ PTT-adapter to Cassidian THR9	UU001631637 / 7100064878	FL40142

Adapters PELTOR wired FL5000

Description	3M product code	Reference Id
3M™ PELTOR™ PTT-adapter to Nokia TETRA THR880	XH001654249 / 7100009674	FL5042
3M™ PELTOR™ PTT-adapter to Motorola TETRA MTH800 / MTP850	XH001654306 / 7100011659	FL5062
3M™ PELTOR™ PTT-adapter to Motorola Mototrbo™ DP3000, DP4000	XH001654314 / 7000039661	FL5063
3M™ PELTOR™ PTT-adapter to Sepura Tetra STP8000	XH001675269 / 7000108319	FL50101
3M™ PELTOR™ PTT-adapter to Motorola TETRA MTH800		PPN: 16-0003



Tactical Earplug Solutions

3M™ PELTOR™ Level-dependent technology helps provide hearing protection in noise and improves communication in quiet. The small and lightweight design helps improve overall comfort and user experience.

3M™ PELTOR™ Tactical Earplug, TEP-100

Earplug Features

Compatibility

3M™ PELTOR™ Tactical Earplug is compatible with most headworn 3M™ Personal Protective Equipment (PPE) such as helmets, hardhats, and face shields

Comfort

The small and lightweight design helps improve overall comfort and user experience

Hearing Protection

Replaceable communications eartip helps provide hearing protection in noisy environments. Multiple sizes and types designed to fit most ear canals.



3M™ PELTOR™ Tactical Earplug, TEP-100

Electronic Level Dependent Hearing Protector

Design

Corner radius designed to help soften contact zone and increase comfort



Button

Intuitive one-button operation turns unit on, off, and selects volume settings

Charging case

Pocket-sized storage and charging container

Charger operates from battery or USB power



Hearing protection	✓
Level-dependent function for ambient listening	✓
Rugged design to withstand harsh environments	✓
Tested according to military standards*	✓
Waterproof (IP67)	✓
Recharge time	90 min
Battery life	~ 16h**

* MIL-STD 810G

** Battery & temperature dependent



Available eartips



3M™ UltraFit™ Eartips
Small



3M™ UltraFit™ Eartips
Medium



3M™ UltraFit™ Eartips
Large



3M™ Torque™ Eartips



3M™ PELTOR™ CCC-GRM-25
(available separately)

Accessories



TEP-100E



TEP-100C



TEP-CORD

Description	3M product code	Reference Id
3M™ PELTOR™ Tactical Ear Protection, TEP-100 EU, Kit	70071674389 / 7100069730	TEP100-EU

Accessories

Description	3M product code	Reference Id
3M™ PELTOR™ Replacement eartips, Small (25 pair/case)	70071673720 / 7100066371	370-TEPS-25
3M™ PELTOR™ Replacement eartips, Medium (25 pair/case)	70071673738 / 7100066387	370-TEPM-25
3M™ PELTOR™ Replacement eartips, Large (25 pair/case)	70071673746 / 7100066388	370-TEPL-25
3M™ PELTOR™ TORQUE COMM eartips (50 pair/case)	XH001679626 / 7000108492	PELTIP5-01
3M™ PELTOR™ Triple-C Communication Eartips (25 pair/case)	70071675212 / 7100103087	CCC-GRM-25
3M™ PELTOR™ TEP-CORD	70071673795 / 7100074090	TEP-CORD
3M™ PELTOR™ TEP Earplug	70071650256 / 7100066369	TEP-100E
3M™ PELTOR™ TEP Case	70071650264 / 7100066370	TEP-100C

Attenuation tables

Ultrafit™ Eartips							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	34,5	31,5	36,2	33,4	34,8	34,9	38,8
Standard deviation (dB)	6,0	5,4	5,6	4,3	3,8	5,0	4,0
Assumed Protection Value (dB)	28,5	26,1	30,6	29,1	31,0	29,9	34,8

According to EN 352-2:2002 SNR=32 dB H=31dB M=30 dB L=29 dB

PELTIP5-01/Torque™ Eartips							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	37,8	36,0	40,5	41,2	41,3	39,6	46,1
Standard deviation (dB)	4,3	5,5	4,2	4,7	3,2	4,3	3,6
Assumed Protection Value (dB)	33,5	30,5	36,3	36,5	38,0	35,3	42,5

According to EN 352-2:2002 SNR=38 dB H=37dB M=36 dB L=34 dB

3M™ CCC-GRM-25 Eartips							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	35,5	32,5	37,1	38,0	37,6	39,5	45,5
Standard deviation (dB)	4,5	4,0	4,4	3,7	2,9	4,6	4,2
Assumed Protection Value (dB)	30,9	28,4	32,7	34,3	34,6	34,9	41,3

According to EN 352-2:2002 SNR=36 dB H=35 dB M=34 dB L=32 dB



Level- dependent Headset Range

The 3M™ PELTOR™ Level-dependent headset product range includes invaluable tools for people who are subjected to impulse noises.

Level-dependent situational awareness helps protect against harmful noise while letting in and even sometimes amplifying ambient sounds.

THESE HEADSETS ARE NOT INTENDED TO BE USED IN COMBAT SITUATIONS AND DO NOT FIT UNDER A BALLISTIC HELMET.



3M™ PELTOR™ SportTac™ Hearing Protection



3M™ PELTOR™ ProTac Shooter & Hunter



3M™ PELTOR™ SportTac™ Hearing Protection

Description	3M product code	Reference Id	Attachment
3M™ PELTOR™ Hunting, shells incl. Green / Orange	XH001650049 / 7100004420	MT16H210F-478-GN	Foldable head band
3M™ PELTOR™ Sport shooting, shells incl. Black / Red	XH001650056 / 7000039607	MT16H210F-478-RD	Foldable head band

3M™ PELTOR™ ProTac Shooter & Hunter Hearing Protection

Description	3M product code	Reference Id	Attachment
3M™ PELTOR™ ProTac Hunter	UU004690648 / 7100088458	MT13H222A	Head band
3M™ PELTOR™ ProTac Shooter	UU004690630 / 7100088425	MT13H223A	Head band

Attenuation tables

3M™ PELTOR™ SportTac™ Hearing Protection

MT16H210F-*							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	12.1	17.9	27	26.8	30.5	38.3	36.4
Standard deviation (dB)	4.3	3.1	3.8	3.0	3.0	3.7	5.4
Assumed Protection Value (dB)	7.8	14.8	23.2	23.8	27.5	34.6	31

According to EN 352-1:2002 SNR=26dB H=29dB M=23dB L=16dB

3M™ PELTOR™ ProTac Hunter Hearing Protection

MT13H222A							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	13.3	17.4	22.3	28.0	30.8	37.6	37.0
Standard deviation (dB)	3.2	1.8	2.3	3.2	3.4	2.8	4.8
Assumed Protection Value (dB)	10.1	15.6	20.0	24.8	27.4	34.8	32.2

According to EN 352-1:2002 SNR=26dB H=29dB M=23dB L=17dB

3M™ PELTOR™ ProTac Shooter Hearing Protection

MT13H223A							
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17.0	24.0	29.5	36.9	37.3	39.3	35.4
Standard deviation (dB)	3.2	2.0	2.6	3.3	4.9	3.2	3.9
Assumed Protection Value (dB)	13.8	22.0	26.9	33.6	32.4	36.1	31.5

According to EN 352-1:2002 SNR=32dB H=34dB M=29dB L=22 dB



3M™ PELTOR™**Tactical XP Hearing Protection**

- Audio input jack for external radio
- Available as headset
- Equipped with the following functions: volume for the level dependent function, balance, adjustable release time, equalizer, volume for external input and external input mode

**3M™ PELTOR™****LiteCom Plus Headset**

- Built-in-two way radio
- Available as 8 channels in the PMR 446 MHz band or 69 channels on the LPD 433 MHz band
- Level-dependent function

**3M™ PELTOR™****WS™ ProTac XP Headset**

- Bluetooth® wireless technology
- Level-dependent function
- DSP (Digital Noise Reduction)
- Advanced VOX (Voice Operated Transmission)

3M™ PELTOR™ Tactical XP Hearing Protection

Description	3M product code	Reference Id	Attachment
3M™ PELTOR™ Tactical XP, Standard	XH001650064 / 7000039608	MT1H7F2	Foldable head band
3M™ PELTOR™ Tactical XP, Headset J11	XH001660717 / 7000039693	MT1H7F2-07	Foldable head band

SNR=33dB H=35dB M=31dB L=23 dB

3M™ PELTOR™ WS™ ProTac XP Headset

Description	3M product code	Reference Id	Attachment
3M™ PELTOR™ WS ProTac XP headband	XH001680012 / 7000147316	MT15H7AWS5	Head band

MT15H7AWS5: SNR=31 dB H=32 dB M=29 dB L=22 dB

3M™ PELTOR™ LiteCom Plus Headset

Description	3M product code	Reference Id	Attachment
3M™ PELTOR™ LiteCom Plus, PMR 446	XH001680467 / 7000108543	MT7H7A4410-EU	Head band
3M™ PELTOR™ LiteCom Plus, LPD 433	XH001680491 / 7000108546	MT7H7A4310-EU	Head band

SNR=34 dB H=35 dB M=32 dB L=25 dB

Earmuffs & Earplugs

3M™ PELTOR™ Earmuffs consist of rigid cups with soft plastic cushions that seal around the ears to block noise. They are available in headband, neckband, helmet-attachable and folding models to meet virtually every application need and wearer preference.

3M™ E-A-R™ Hearing Protection Products are manufactured to help anyone who spends time in noisy environments. Over 30 years ago the 3M™ E-A-R™ Classic™ Earplug was introduced. The yellow foam earplug, established new standards in hearing protection and comfort. Today this earplug continues to be the most widely recognised product in hearing protection all over the world.



3M™ PELTOR™ Earmuffs – X Series

- Combines our extensive knowledge of hearing protection with our advanced technologies, creating our most comfortable, durable earmuff.
- Durable 3M™ PELTOR™ Earmuff
- Features an electrically insulated (dielectric) wire headband
- Twin headband design helps reduce heat buildup with good fit and balance
- New ear cushion foam technology for an effective acoustic seal and reliable hearing protection
- Lightweight ear cups with maximum space to help minimize heat and moisture buildup



3M™ PELTOR™
Earmuff X3



3M™ PELTOR™
Earmuff X4



3M™ PELTOR™
Earmuff X5



3M™ PELTOR™ Bullseye I Earmuff

- Sealing rings filled with a unique combination of liquid and foam. The result is an excellent seal with low contact pressure.

3M™ PELTOR™ Bullseye I Earmuff

Description	3M product code	Reference Id	Attachment
3M™ PELTOR™ Earmuff X3, Black / Red	XA007706915 / 7000103991	X3A	Head band
3M™ PELTOR™ Earmuff X4, Black / Bright Green	XA007706931 / 7000103993	X4A	Head band
3M™ PELTOR™ Earmuff X5 Headband, Black	XA007706956 / 7000103995	X5A	Head band

3M™ PELTOR™ Earmuffs – X Series

Description	3M product code	Reference Id	Attachment
3M™ PELTOR™ Bullseye I	XH001658265 / 7000107973	H515FB-508-GN	Head band

Attenuation data

3M™ PELTOR™ Earmuff X3

SNR=33dB H=35dB M=30dB L=25dB

3M™ PELTOR™ Earmuff X4

SNR=33dB H=36dB M=30dB L=22dB

3M™ PELTOR™ Earmuff X5

SNR=37dB H=37dB M=35dB L=27dB

3M™ PELTOR™ Bullseye I Earmuff

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

3M™ Combat Arms™ Earplugs – Generation 4.1



- Hear-Through™ Protection
- Specially designed soft retainer helps ensure the earplug remains seated inside the ear canal.
- Rocker switch for easy switching between Closed Mode and Open Mode.
- Available in three sizes for best individual fit
- Offers high attenuation against peak impulse noise – can be used up to 160dB peak
- Easy to wash and clean

This product features a special acoustical filter that lets lower level sound through with relatively little noise reduction for greater situational awareness, and provides increasing amount of peak noise reduction as sound levels increases above 110 dB. This is called the **Open Mode**.

When used in the **Closed Mode** the product acts as a conventional earplug offering protection against steady state and peak impulse noise.

3M™ E-A-R™ Combat Arms™ Earplugs



- Single ended
- Designed specifically for use in a combat environments to help provide situational awareness
- Helps Protect against high level of peak impulse noise from small arms and artillery weapons fire

3M™ E-A-R™ Classic™ Earplugs



Small



Medium



Large

- Made from a soft energy absorbing polymer foam
- Excellent hearing protection and extended wear comfort
- Ideal for use where noise is a problem, either in work or leisure activities.

3M™ Combat Arms™ Earplugs - Generation 4.1

Description	3M product code	Reference Id
3M™ Combat Arms™ 4.1 Small (50 pair/case)	70071675014 / 7100067413	370-1044
3M™ Combat Arms™ 4.1 Medium (50 pair/case)	70071675022 / 7100067414	370-1045
3M™ Combat Arms™ 4.1 Large (50 pair/case)	70071675030 / 7100067411	370-1046

3M™ E-A-R™ Combat Arms™ Earplugs

Description	3M product code	Reference Id
3M™ E-A-R™ Skin colour with shorter stem, (250 pair/case)	70071573037 / 7000103986	370-1400

3M™ E-A-R™ Classic™ Earplugs

Description	3M product code	Reference Id
3M™ E-A-R™ Classic Amigo, Small (250 pair/case)	GT600000589 / 7000089396	AM-01-000
3M™ E-A-R™ Classic, Medium (250 pair/case)	XA007701882 / 7000038198	PP-01-002
3M™ E-A-R™ SuperFit 36, Large (200 pair/case)	XA007707434 / 7100040145	SF-01-003
2 pair Classic in black box	GT600003120 / 7000089422	BX-01-010

Attenuation data

3M™ Combat Arms™ Earplugs – Generation 4.1

Subjective attenuation in the Closed Mode								
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	28.3	27.9	26.8	28.3	27.2	31.5	33.0	39.2
Standard deviation (dB)	5.8	4.3	4.4	3.4	4.0	4.4	2.3	4.9
Assumed Protection Value (dB)	22.5	23.6	22.4	24.9	23.2	27.1	30.7	34.3

According to EN 352-2:2002

SNR=28dB H=28dB M=25dB L=24dB

Subjective attenuation in the Open Mode								
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	5.7	5.8	7.9	10.1	17.3	23.9	23.3	28.3
Standard deviation (dB)	2.5	2.8	3.1	2.3	2.6	3.4	2.7	5.4
Assumed Protection Value (dB)	3.2	3.0	4.8	7.8	14.7	20.5	20.6	22.9

SNR=16dB H=20dB M=12dB L=7dB

Peak noise reduction values in the Open Mode

External Peak Sound Level (dB)	110	130	150	170	190
Peak Noise Reduction (dB)	4.8	13.9	17.0	23.5	30.2
Standard Deviation (dB)	1.8	0.4	0.5	0.6	0.7

As determined by the Institute of Saint-Louis (ISL) Laboratory, France.

3M™ E-A-R™ Combat Arms™ Earplugs

3M™ E-A-R™ Combat Arms™ Earplugs, single ended								
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	3.0	3.5	5.6	10.5	16.6	24.5	27.3	25.6
Standard deviation (dB)	3.5	3.3	2.8	1.7	3.5	2.7	2.8	3.3
Assumed Protection Value (dB)	-0.5	0.2	2.8	8.8	13.1	21.8	24.5	22.3

SNR=15dB H=20dB M=11dB L=6dB

Peak noise reduction

External Peak Sound Level (dB)	110	130	150	170	190
Peak Noise Reduction (dB)	4.5	12.8	17.1	21.4	24.6
Standard Deviation (dB)	1.3	0.8	0.8	0.3	1.4

3M™ E-A-R™ Classic™ Earplugs

3M™ E-A-R™ Classic™ / 3M™ E-A-R™ Classic™ Amigo								
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	22.3	23.3	24.6	26.9	27.4	34.1	41.6	40.4
Standard deviation (dB)	5.4	5.3	3.6	5.4	4.8	3.1	3.5	6.4
Assumed Protection Value (dB)	16.9	18.1	20.9	21.5	22.6	30.9	38.1	34.0

According to EN 352-2:2002

SNR=28dB H=30dB M=24dB L=22dB

E-A-R™ Superfit™ 36 Earplugs								
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	29.1	32.4	36.0	38.0	38.9	39.1	43.1	44.6
Standard deviation (dB)	6.2	7.3	7.3	6.8	6.7	3.1	6.1	6.3
Assumed Protection Value (dB)	22.8	25.0	28.7	31.2	32.2	35.9	37.0	38.4

According to EN 352-2:2002

SNR=36dB H=36dB, M=33dB, L=30dB

Spare Parts and Accessories

The 3M™ PELTOR™ Brand has a range of products so that you can maintain and enhance your product during the products life cycle. If this is done you will get a better throughout the product's lifetime.





MT33
Flexi boom speech microphone



MT73
Standard microphone



MT90-02
Throat microphone (Dynamic)



MT90-06
Throat microphone (Electret)



MT7N
Dynamic Microphone



M60/2
Foam mic cover



M171/2
Wind shield for microphone for
MT73 / MT33



M42/1
Windshield for dynamic
microphone



HYM1000
Micprotector



FL6AC
Adapter cable for guide mount



1079 SV
Battery lid



PELTIP4-01
Ultrafit ear tips for ComTac IV



PELTIP5-01
Torque ear tips for ComTac IV



HY700
Comfort padding – foam for
ComTac IV



HTM045/2
Ear buds for ComTac IV

Spare Parts and Accessories

Description	3M product code	Reference Id
Flexi boom speech microphone, 130mm cable, Incl. wind shield	UU008163618 / 7100112093	MT33/1
Flexi boom speech microphone, 180mm cable, Incl. wind shield	UU008163642 / 7100112095	MT33-05/1
Standard microphone	UU008163634 / 7100112094	MT73/1
Throat microphone (Dynamic)	XL001644068 / 7000040037	MT90-02
Throat microphone (Electret)	XH001678677 / 4100010853	MT90-06
Dynamic Microphone with J22 plug	XL001634044 / 4100010841	MT7N
Foam mic cover for ComTac 2pc	XH001652532 / 7000039650	M60/2
Windshield for MT73/1, MT33/1 microphone, 2pcs	UU008153483 / 7100112112	M171/2
Windshield MAXI for dynamic microphone	XH001659792 / 7000039687	M42/1
Micprotector, 5m	XH001651328 / 7100064281	HYM1000
Adapter cable for guide mount left side	XH001651997 / 4100010797	FL6AC
Ear buds for ComTac IV	XH001679600 / 7010044748	HTM045/2
Battery cover for ComTac XP, XPI	UU004894315 / 7100088235	1079 SV/SP
Ultrafit eartips, 1 box = 50 pair	XH001679618 / 7000147310	PELTIP4-01
Torque eartips, 1 box = 50 pair	XH001679626 / 7000108492	PELTIP5-01
Comfort padding-foam	XH001679584 / 4010003396	HY700

Hygiene Kits and Gel Sealing Rings

Earmuffs, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and leakage.

3M™ PELTOR™ recommends to change the hygiene kit at least twice a year.



Gel Sealing Rings



Gel Sealing Rings HY80-EU
(for ComTac XPI)
3M Id: UU003133988 / 7100101182

Hygiene Kits



Hygiene Kit HY21
(for SportTac)
3M Id: XH001659305 / 7000039686



Hygiene Kit HY51GN
(for 3M™ PELTOR™ Bullseye I)
3M Id: XH001664149 / 7000108176



Hygiene Kit HY79
(for Tactical XP,
WS ProTac XP Headset,
LiteCom Plus Headset)
3M Id: XH001651047 / 7100063118



Hygiene Kit HYP4
(for 3M™ PELTOR™ Earmuff
X4) 3M Id: XA007707608 / 7000104048



Hygiene Kit HYP5
(for 3M™ PELTOR™ Earmuff X5)
3M Id: XA007707616 / 7000104049



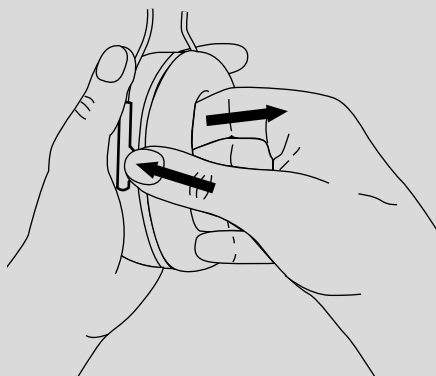
Hygiene Kit HY68 SV
(for ComTac XPI Standard,
ComTac XPI Headset)
3M Id: XH001659461 / 7000108023



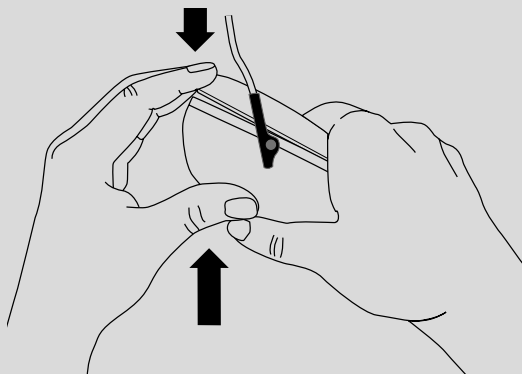
Hygiene Kit HY45
(for CH-5 Headset)
3M Id: UU008117135 / 7100107408



Hygiene Kit HY220
(for ProTac Hunter / Shooter)
3M Id: UU008049353 / 7100101874



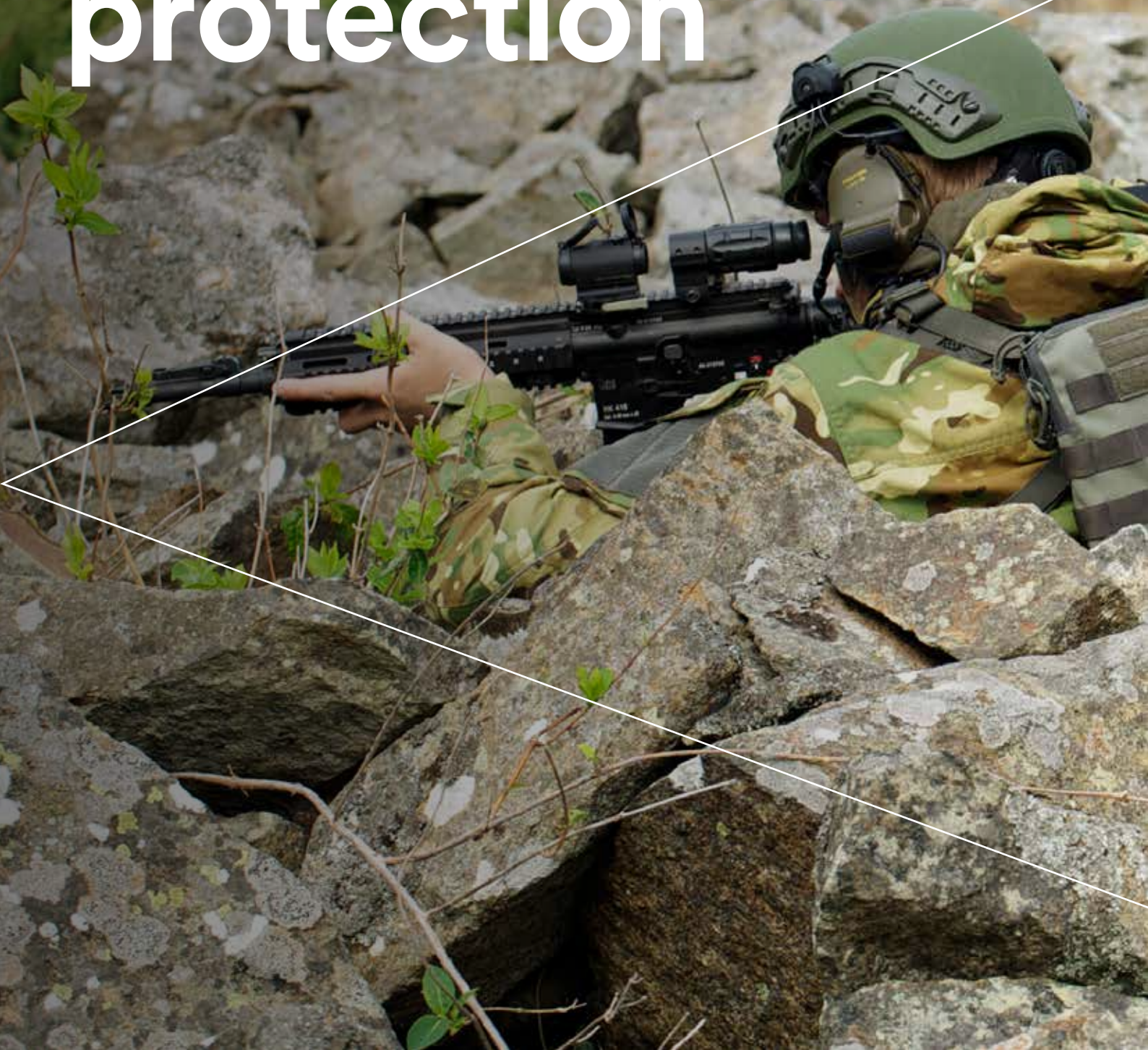
To replace ear cushions, slide your finger under the edge of the ear cushion and pull straight out.



Insert a new ear cushion by pressing until it snaps into place.

3M Science.
Applied to Life.™

Other personal protection





Eye Protection

Besides helping protect your hearing and helping ensure your communication capacity, 3M also offers protective eyewear with advanced optical engineering.

Premium lens technology results in optics with unobstructed field of vision. Due to advanced optical engineering, 3M has developed patented aspherical lens solutions.

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 Human Eye

The Cornea

In direct contact with external environment, plays an essential part on 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

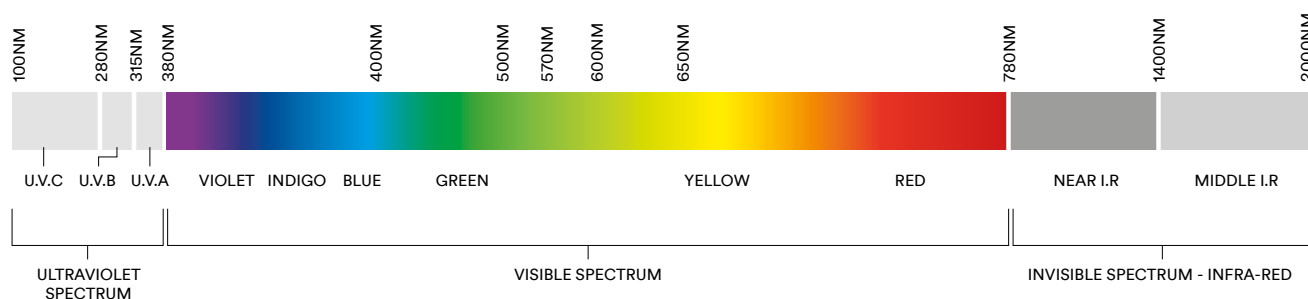
The Lens allows focusing (near vision, far vision) thanks to a control muscle. With age this muscle loses power and impacts near vision (presbyopia). The lens can lose its transparency due to exposure to IR (infrared light) and UV (ultraviolet light), resulting in loss of vision (cataract).

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.

Potential 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.



	U.V.C 100 to 280nm	U.V.B 280 to 315nm	U.V.A 315 to 380nm	Blue light 380 to 480nm	Visible light 380 to 780nm	Near I.R. 780 to 1400nm	Middle I.R. 1400 to 2000nm
Cornea	Conjunctivitis Partial blindness	Conjunctivitis Partial blindness	Conjunctivitis Partial blindness				
Lens		Cataract Premature aging	Cataract Premature aging			Cataract	Cataract Partial blindness
Retina				Partial Blindness Photoreinitis	Vision problems Discontinuous vision	Retinis Pigmentosa Blindness	

3M™ SecureFit™ 600 Series Protective Eyewear

Eyewear Features

Rugged Anti-Scratch (RAS) coating

Helps extend the life of the lens

Durable polycarbonate lenses

Absorb 99.9% of UVA and UVB rays and meet the requirements of EN 166:2001

Secure, comfortable fit

With 3M™ Pressure Diffusion Temple (PDT) technology

Long-lasting clarity

3M™ Scotchgard™ Anti-Fog coating resists fogging longer than traditional coatings, even after multiple lens washes

Spectacle	Model	3M product code	Reference Id	Lens Marking
	3M™ Scotchgard™ Anti-Fog	7007167830 / 7100112717	SF601SGAF-EU	2C-1.2 3M 1 FT KN
	3M™ Scotchgard™ Anti-Fog	70071695871 / 7100112716	SF602SGAF-EU	5-3.1 3M 1 FT KN
	3M™ Scotchgard™ Anti-Fog	70071695889 / 7100112712	SF603SGAF-EU	2C-1.2 3M 1 FT KN
	Polarised	70071695921 / 7100112713	SF611AS-EU	5-3.1 3M 1 FT
	Replacement Foam Gasket	70071695954 / 7100112725	SF600FI-EU	

3M™ Maxim™ Ballistic TacPack



Lenses

- Resistance to impact at extreme temperature (marking FT)
- Clear lens for indoor use. VLT = 88%
- Amber lens for low light condition VLT = 88% (cloudy environment) (enhance the contrast and luminosity).
- DX coating anti-fog, anti-scratch, anti-static and anti-chemical attack
- Dark grey lens for outdoor use (sunny condition) VLT = 13%
- All lens colours provide UV-protection according to EN 170 or EN 172, depending on the lens colour.

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

Tested according to

EN166 (impact protection: FT)
STANAG 2920 (Edition2), V₅₀ projectile
A3/6723/6, 3.6 mm diameter, V₅₀=251 m/s
(not listed or certified by QPL/QML)

3M™ Sentinel™ TacPack



Lenses

- Tough anti-fog and anti-scratch polycarbonate lenses
- Dual-lenses for better orbital eye coverage and wide viewing range for weapons sighting
- Amber lens for low light condition (cloudy environment enhance the contrast and luminosity). VLT = 89%
- Clear lens for indoor use. VLT = 90%
- Grey lens for outdoor use (sunny condition). VLT = 11%
- All lens colours provide UV-protection according to EN 170 or EN 172, depending on the lens colour.

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

Tested according to

EN166, field of Use 3, Impact rating FT
STANAG 2920 (Edition2), projectile
A3/6723/6, 3.6 mm diameter, V₅₀=247 m/s
(not listed or certified by QPL/QML)

3M™ Fahrenheit™ TacPack



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)
- Resistance to impact at extreme temperature
- UV filtration
- Inner lens: anti-fog coating / Outside lens = anti-scratch
- "clip-on" easy cover lens installation. The lens cover can be installed even in the dark in a few seconds.
- Frame design provides good coverage and good field of vision

Pack content

1x protective hardcase, 1x soft nylon case to store 2 cover lenses, 1x Goggle with 2 single Clear lens bonded together, 1x Lens cover to protect when not in use, 1x Cover lens with holder, Amber tint (2C-1.2), 1x Cover lens with holder, Dark Grey tint (5-3.1), 1x Microfiber cleaning cloth 17,5cm x 17,5cm, washable

Tested according to

EN166, field of Use 3&4, Impact rating BT
STANAG 2920 (Edition2), V₅₀ projectile
A3/6723/6, 3.6 mm diameter, V₅₀=250 m/s
(not listed or certified by QPL/QML)

3M™ Maxim™ Ballistic TacPack

Description	3M product code	Reference
Maxim Ballistic TacPack	DE272933560 / 7000032468	13204-99999M
Insert	70071530656 / 7000029972	40719-00000

3M™ Sentinel™ TacPack

Description	3M product code	Reference
Sentinel TacPack	DE272934345 / 7100009394	71510-00003M

3M™ Fahrenheit™ TacPack

Description	3M product code	Reference
Fahrenheit TacPack	DE272934204 / 7000032488	71360-99999M

Head Protection

Combat helmets meeting the military's rigorous ballistic and fragmentation requirements at a significantly lower weight.



3M™ Ultra Light Weight Ballistic Bump Helmet N49 (ULW-BBH N49)

Highest Performance-to-Weight Ratio on the Market

For centuries, soldiers and law enforcement personnel have complained about the weight of their helmets. 3M™ Ultra Light Weight Ballistic Bump Helmet N49 (ULW-BBH N49) helps solve that problem and sets a new standard for ballistic helmets. It was designed to reduce equipment burden while protecting against head injury from blunt impact and a variety of ballistic threats.



3M™ Combat High Cut Ballistic Helmet C105HC

Proven helmet designed to provide multiple levels of head protection.

The 3M Combat Ballistic Helmet is a multi-mission helmet that will support various critical response operations that require ballistic and blunt impact protection. Today's law enforcement needs to be prepared for mobile field force operations, active shooter situations, and to provide security during high terrorism threat levels.

The helmet shell is manufactured in the United States using advanced thermoplastic aramid and glass fabric composites. The high cut is specially designed for a better unobstructed view and increased hearing capability compared to PASGT style.



3M™ Combat II Ballistic Helmet L110

Versatile protection in a wide range of field conditions - including protection against select small arms projectiles.

Provides protection from hand gun bullets, blunt impacts, bomb fragmentation and select small arms projectiles. With integrated retention and suspension systems, the L110 helmet is engineered for excellent versatile protection in a wide range of field conditions. Versatile geometry is similar to the U.S. Army.

Advanced Combat Helmet (ACH) and is designed to accommodate gas masks, goggles, and ballistic vests with minimum loss of vision or mobility.



Controlled by the US Department of Commerce

Export Control. The 3M™ Ceradyne product(s) listed here may be controlled commodities under applicable U.S. export control laws and regulations, including, but not limited to, the U.S. International Traffic in Arms Regulations (ITAR) and the Export Administration Regulations (EAR). These laws and regulations may, among other things, prohibit the export and/or reexport of controlled product(s) to any or all locations outside of the United States without prior U.S. Government export authorization, the sharing of export controlled technical data and services with those anywhere who are not U.S. citizens or U.S. permanent residents, dealings with U.S. Government, United Nations and other "Restricted Parties," and proliferation activities including those that further nuclear, chemical, or biological warfare, missile stockpiling/use, or the use of rockets or unmanned aerial vehicle systems. 3M™ Ceradyne and purchasers or prospective purchasers of the 3M™ Ceradyne product(s) shall comply with all applicable export control laws and regulations, which may require obtaining and maintaining applicable export control authorization or licenses, and understand that the ability of a party to obtain or maintain such authorization or license is not guaranteed. The exporter of record has the sole responsibility to determine whether the export or subsequent reexport of the 3M™ Ceradyne product(s) requires export authorization. An explicit condition to 3M™ Ceradyne selling or making available the 3M™ Ceradyne product(s) is the customer's agreement to comply with all applicable trade compliance laws and regulations.



Protection for Maintenance & Repair Operations

3M is dedicated to providing the right personal protection solution to the thousands of dedicated defence personnel. Whether you are a mechanic in the army, an electrician in the navy or ground crew in the air force, 3M has a solution to help keep you protected.

Training and Support

3M's team of Specialist Representatives are available nationally, to provide support and training that meet the needs of our customers. Furthermore, our qualified and highly experienced team are able to assist customers by:

- Providing guidance to employers on conducting initial and ongoing assessments of the workplace
- Recommending appropriate respiratory, hearing, eye protection, communication and spill management solutions required to help maintain a safe work environment
- Providing technical advice about the correct use and maintenance of the solution that has been selected
- Facilitate on-site fit testing for both respiratory and hearing protection solutions, as required

No matter how effective a piece of Personal Protective Equipment is, it will offer little or no protection if it is not fitted and/or worn correctly. Proper inspection, cleaning and storage is vital for safety equipment that protects a worker's health and well-being. That is why we offer training programs that explain the correct way to fit, inspect, clean and store the PPE designed and manufactured by 3M.

Technical Assistance

3M TechAssist is an excellent point of contact for your questions, especially when you require a prompt answer. Supported by trained staff, TechAssist is an immediate link to the worldwide resources of 3M.

3M™ E-A-Rfit™ Dual-Ear Validation System

The highest-SNR earplug or earmuff won't provide the expected protection if it doesn't fit right or isn't used right. To make sure your personnel are getting the protection they need, you need to know the Personal Attenuation Rating (PAR) of every employee.

Fit

Have the employee insert their hearing protection.

Test

Connect to microphones and begin speaker test sound.

Assess

Use PAR to customise hearing protector selection.



Fail

A 'fail' result means the hearing protection is either not inserted properly or is the wrong type or size for the worker's ear canal.



Pass

A 'pass' result means the hearing protection is inserted properly and provides sufficient protection for the worker's specific job.



NOTE:

Finding out each employee's PAR is the first step to a successful hearing conservation program. Once a worker's PAR is measured, you can determine if they're using the right hearing protection and ensure they're trained on using it properly.

The 3M range of solutions for worker safety includes



Respiratory Protection



Head, Eye and Face Protection



Protective coveralls



Noise Measurement



Body Protection



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