

3M Personal Safety Division
Australia and New Zealand Military Applications



The
Power to

Protect your world

The power to protect your world.SM



Take your safety personally

3M is the world leader in safety and protective equipment. Long known for the 3M Peltor military communication equipment, 3M now features a line of military specific hearing, body, head & eye protection solutions.

With more than 50 years of experience, the 3M brand promises superior quality that provides an optimal balance of comfort and protection.

3M's 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 3M 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.

PELTOR™ 



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

Delivering on our commitment requires a culture of accountability, customer inspired innovation, knowledge and expertise, fuelled by a deep understanding of our customer needs. The 3M 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 3M products for optimum safety at work. With customised printing, embossing and other solutions, our products can also help enhance the value of your brand.



Improves efficiency, reliability and safety

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 during exercises and in 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. Direction and details must be heard and understood, both via radio and directly person to person.

Mission Essential Products

3M provides the appropriate equipment regardless of your mission. From the Classic™ earplug for optimum attenuation and best comfort, to complex communication systems adapted for army, navy and airforce.

N A V Y



Photo: Peter Nilsson

A I R F O R C E



A R M Y



Table of Contents

3M™ Peltor™ Tactical Eye Protection

3M™ Maxim Ballistic TacPack	8
3M™ Fahrenheit TacPack	9

3M™ Peltor™ Tactical Hearing Protection

3M™ Peltor™ Protac II™	10
3M™ Peltor™ Tactical™ XP Headset	10
3M™ Peltor™ TEP-100	11
3M™ PELTOR™ ComTac XPI Headset	12
3M™ PELTOR™ ComTac IV	13
3M™ E-A-R™ Combat Arms™ Earplugs 4.1	14

3M™ Tactical Body Protection

3M™ Advanced Body Armour Systems	15
3M™ Combat Ballistic & Gunfighter Helmet	16

3M™ Specialised Respiratory Protection

Non Powered Respirators	17
Powered Air Purifying Respirators	18

Protection for Maintenance & Repair Operations

3M™ Eye Protection

3M™ Photochromic Eyewears	20
3M™ Fectoggle Series	20
3M™ Maxim GT Series	20
3M™ Light Vision II Series	20
3M™ Lexa Splash Series	20
3M™ Securefit™ Series	20

3M™ Peltor™ Hearing Protection

3M™ E-A-R™ Push In with Grip Rings Earplugs	21
3M™ E-A-R™ Ultrafit™ Reusable Earplugs	21
3M™ Peltor™ X4 Earmuff Series	21
3M™ E-A-R™ Classic™ Earplugs	21
3M™ E-A-R™ Swerve™ Banded Earplug	21
3M™ Sound Detector	21

3M™ Peltor™ Communication Headsets

3M™ Peltor™ Lite Com™ Plus	22
3M™ Peltor™ SportTac™	22
3M™ Peltor™ Intrinsically Safe Headset	22
3M™ Peltor™ High Attenuation, Standard Headset	22
3M™ Peltor™ ORA TAC	22
3M™ Peltor™ WS ProTac XP Headset	22

3M™ Disposable Respiratory Protections

3M™ Flat Fold Particulate Respirators 9300 Series	23
3M™ Cupped Particulate Respirators 8000 Series	23
3M™ Welding Respirators	23
3M™ Cupped Particulate Respirators 8300 Series	23
3M™ Particulate Respirators with Nuisance Level* Organic Vapour Reliefs	23
3M™ Qualitative Fit Test Kits	23

3M™ Reusable Respiratory Protection

3M™ Half Face Respirator 6000 Series	24
3M™ Half Face Respirator 7500 Series	24
3M™ Full Face Respirator 6000 Series	24
3M™ Cartridges and Filters	24
3M™ Respirator Starter Kits	24

3M™ Body Protection

3M™ Protective Coverall 4510	25
3M™ Protective Coverall 4532+	25
3M™ Protective Coverall 4515	25
3M™ Protective Coverall 4570	25

3M™ Head & Face Protection

3M™ Versaflo™ M-100 Series High Impact Faceshield	26
3M™ Versaflo™ M-400 Series High Impact Helmet with Neck Protector	26
3M™ G500 Headgear	26
3M™ Versaflo™ PAPR kit	26
3M™ Peltor™ G2000 Helmet	26

3M™ Peltor™ Military Solutions

Standard Adapters	27
Adapters for Military radios	27
Spare Parts & Accessories	27

Combat Solutions

Sharpens your senses when it matters most...

Soldiers' 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 sharpen your hearing.



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.

3M™ Ceradyne is a vertically integrated manufacturer of lightweight, DEFENDER® ceramic composite armour systems for personnel, helicopter and aircraft applications. Ceradyne has been a leader in the manufacturing of advanced technical ceramics for ballistic applications since 1969. From the earliest application of ceramics in lightweight helicopter armoring, Ceradyne has provided innovative ballistic protection solutions that are the lightest and most durable armour systems available.

Tactical units and paramilitary squads depend on 3M™ Ceradyne for the lightest ballistic helmets that deliver equal superior protection. Affordable body armour with exceptional multi-hit protection against armour piercing and sniper ammunition is also available from Max Pro Armour, the most trusted company in the world to deliver protective products that meet customer specifications.



3M™ Peltor™ Tactical Eye Protection



Durable anti-scratch and convenient anti-fog coatings. Most of the safety spectacles and goggles by 3M offer reliable UV protection. 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	Product Code	NSN
Maxim Ballistic TacPack	13204-99999M	8465-99-958-2617
Insert	40719-00000	8465-12-384-6386

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

CERTIFIED

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

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 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.

3M™ Peltor™ Tactical Eye Protection



3M™ Fahrenheit TacPack



Description	Product Code	NSN
Fahrenheit TacPack	71360-99999M	4240-99-865-7136

CERTIFIED

- EN166, field Use 3 & 4, Impact rating BT
- STANAG 2920 (Edition 2), projectile A3/6723/6, 3.6mm diameter, V50, 250 m/s

PACK CONTENT

- 1x protective hardcase
- 1x soft nylon case to store 2 Cover lenses
- 1x Goggle with 2 single Clear lens bonded together
- 1x Lycra 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

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 DOUBLE 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.

3M™ Peltor™ Tactical Hearing Protection



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™ Protac II™ Electronic Level Dependent Hearing Protector



With the ProTac II, you are not shut off from the environment, which can be both dangerous and inconvenient. The level dependent function lets you hear ambient sound: conversation, machine sounds and warning signals. The control buttons are easily accessible and logically positioned, making it easy to adjust ambient noise.

- Improves communication and safety
- Level dependent function in stereo that lets you hear ambient sound: conversation, machine sounds and warning signals
- Last setting is stored when switched off
- Headset option with guide-mounted microphone
- Low battery warning signal
- Automatic shut-off after two hours if no function is used
- Battery life is approximately 1000 hours (AA Batteries).

Description	Product Code	Configuration	Weight (g)	Class	SLC80	NSN
Standard Headset	MT15H7A2 SV	Head Band	345	5	30dB	4240171206485

3M™ Peltor™ Tactical™ XP Headset Electronic Level Dependent Hearing Protector



The 3M Peltor Tactical XP is equipped with many functions that further improve your ability to hear what you want while remaining protected from harmful noise. Each function and its settings are indicated by a voice message. Functions such as equalizer, balance and a high amplification make this type of product one of the most advanced on the market.

- Level dependent function that lets you hear ambient sound: conversation, machine sounds and warning signals, etc.
- 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
- Leather covered head band for durability and comfort.
- Last setting is stored when switched off
- Automatic shut-off after two hours if no function is used

Description	Product Code	Configuration	Weight (g)	Class	SLC80	NSN
Standard Headset	MT1H7F2	Head Band	390	5	28dB	4240251523370

3M™ Peltor™ Tactical Hearing Protection



The 3M™ PELTOR™ Tactical Earplug helps protect your hearing, and can help improve situational awareness and communications in challenging environments. Integrated with state-of-the-art level dependent technology, the TEP-100 helps provide hearing protection in noise and situational awareness in quiet environments.

3M™ Peltor™ TEP-100 In-Ear Electronic Level Dependent Hearing Protector



The 3M™ PELTOR™ TEP-100 Tactical Earplug helps provide hearing protection, and helps improve situational awareness and communication. The small, lightweight, and rechargeable earplugs are designed for tactical, engineering, and maintenance applications.

- Charging contacts recharge the unit while in the case. Li-ion battery provides up to 16 hours of continuous operation.
- Intuitive one-button operation turns unit on, off, and selects volume settings.
- Replaceable communications eartip helps provide hearing protection in noisy environments. Multiple sizes and types designed to fit most ear canals.
- Water resistant innovative design helps protect microphone against water ingress.
- Corner radius designed to help soften contact zone and increase comfort.
- Unique microphone port to help minimize wind noise
- Attachment point for optional earplug cord.

Description	Product Code	Configuration	Weight (g)	Class	SLC80	Colour
Tactical Kit	TEP-100	In-Ear	3.68	-	-	Black
Replacement Cord	TEP-CORD	Cord	-	-	-	Black
Replacement Earpiece	TEP-100E	In-Ear	3.68	-	-	Black
Replacement Case	TEP-100C	Case	119	-	-	Black
Ultrafit Replacement Tips-LRG	370-TEPL-25	Tip	-	2	16dB	Brown
Ultrafit Replacement Tips-MED	370-TEPM-25	Tip	-	2	16dB	Brown
Ultrafit Replacement Tips-SML	370-TEPS-25	Tip	-	2	16dB	Brown
Skull Screw Replacement Tips	370-1019-10	Tip	-	4	23dB	Grey

3M™ Peltor™ Tactical Hearing Protection



The Peltor™ ComTac™ product range offers invaluable tools for people who are exposed to impulse noises. 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 and permanent damage to your hearing if adequate protection is not worn.

3M™ PELTOR™ ComTac XPI Headset



The 3M™ PELTOR™ ComTac XPI 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. This product is compatible with other military gear like helmet, protective vest etc.

- Detachable microphone
- Level-dependent function for ambient listening
- "Plug and play", no start up time
- Foldable headband for easy storage and transport
- Configuration menu with voice guide
- Functions: release time, balance, external mute mode, EQ mode
- Earplug mode (maintains situational awareness when used in combination with earplugs)
- Automatic power off after two hours if no function is used
- No software loads or outside power required, complete self-contained headset with power fail safe
- Tested according to military standards

Description	Product Code	Configuration	Weight (g)	Class	SLC80	Mic Type
ComTac XPI Standard	MT20H682FB-02	Foldable headband	335	5	27dB	N/A
ComTac XPI Headset	MT20H682FB-38	Foldable headband	335	5	27dB	Dyn Mic
ComTac XPI Headset	MT20H682BB-38	Neck Band	335	3	20dB	Dyn Mic
ComTac XPI Headset	MT20H682P3AD-38	Helmet Attached	335	-	-	Dyn Mic
ComTac XPI Goose Neck Headset	MT20H682FB-68	Foldable headband	335	5	27dB	Goose Neck Mic
ComTac XPI NATO Bone Cond Headset, Selex Conn	MT20H682FB-69	Foldable headband	335	5	26dB	Bone Conduc Mic
ComTac XPI NATO Headset	MT20H682FB-86	Foldable headband	335	5	27dB	Dyn Mic
ComTac XPI NATO Headset	MT20H682BB-86	Neck Band	335	3	20dB	Dyn Mic
ComTac XPI NATO Headset	MT20H682P3AD-86	Helmet Attached	335	-	-	Dyn Mic

3M™ Peltor™ Tactical Hearing Protection



The Peltor™ COMTAC™ IV Hybrid Headset for today's modern soldier. The 4th generation headset continues the legacy and tradition of trusted hearing protector headsets from 3M's Peltor brand. This hybrid approach addresses customer demand for in-ear hearing protection while retaining the advantages of the traditional design of an over-the-ear style hearing protector.

3M™ PELTOR™ ComTac IV



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 stabilises the headset to help relive issues of earplugs dislodging from cable snages and body movement
- No software loads or outside power required, complete selfcontained headset with power fail safe
- Tested to military standards

Description	Product Code	Configuration	Weight (g)	Mic Type
ComTac IV, standard wired J11	MT16H044F-38 GN	Foldable headband	238	N/A
ComTac IV, NATO wired	MT16H044F-86 GN	Foldable headband	238	Dyn Mic

3M™ Peltor™ Tactical Hearing Protection



3M understands that hearing protection can be an effective defence against noise-induced hearing loss. Military personnel conducting tactical operations rely on their ability to hear for mission success and survival. They encounter hazardous levels of noise from a variety of situations, including weapons fire, vehicles, aircraft, and shipboard operations. Protecting hearing for personnel without decreasing their ability to communicate requires specialised equipment.

3M™ E-A-R™ Combat Arms™ Earplugs 4.1



The 3M™ Combat Arms™ Earplugs – Generation 4.1 contain a housing assembly featuring a rocker switch. When the tab featuring the 3M logo is pressed, the device is in the Closed Mode and acts as a conventional earplug. The Closed Mode provides protection against all types of noise, and should be the only mode used for steady noise such as aircraft, vehicle, generator and watercraft.

- Available in small, medium and large tip sizes to fit most ear canals
- Designed to allow wearer to hear non-impulse, low-level sounds when in the Open Mode
- Soft, flexible retainer
- Ergonomic rocker switch – easy to switch while in ear, even when wearing gloves
- Easy to clean
- No batteries required

Description	Product Code	Class	SLC80
Combat Arms™ Earplug 4.1–Small	370-1040	1	C: 12dB O: 9dB
Combat Arms™ Earplug 4.1–Medium	370-1041	1	C: 12dB O: 9dB
Combat Arms™ Earplug 4.1–Large	370-1042	1	C: 12dB O: 9dB

Other Combat Arms Earplug Options

Description	Product Code	Class	SLC80	NSN
Combat Arms™ Earplug Dual Ended	370-1000	2	C: 17dB O: 11dB	6515-01-466-2710
Combat Arms™ Earplug 4.1–Small	370-1030	4	C: 22dB O: 13dB	6515-01-576-8837
Combat Arms™ Earplug 4.1–Medium	370-1031	4	C: 22dB O: 13dB	6515-01-576-8861
Combat Arms™ Earplug 4.1–Large	370-1032	4	C: 22dB O: 13dB	6515-01-576-8869

3M™ Peltor™ Tactical Body Protection



As a vertically integrated, high capacity producer of ceramic armour plates, 3M is a key supplier to the military and a vital resource to the defence industry worldwide. 3M has developed an infrastructure that allows global support for armour protection through on time production of varying levels and designs within an extended manufacturing capacity second to none.

3M™ Advanced Body Armour Systems



Equipment that is uncomfortable or impedes awareness may be rejected mid-mission, leaving troops vulnerable. Through continuous contact with end users in the field and innovation across commercial and defence segments, Ceradyne, Inc., a 3M company has developed comfortable, lightweight technologies that can allow improved performance in combat missions

Shape Capability- Ceradyne's unique hot pressing process enables the cost-effective production of flat and multi-curved plates.

Ceramic Materials- For weight critical body armour applications, Ceradyne recommends hot pressed boron carbide and silicon carbide for their high mass efficiency and high volume production suitability.

Composite Backing Systems- Depending on specific requirements for weight, thickness, back-face deformation and cost, Ceradyne will specify one of a wide variety of composite backing structures.

Multi-Hit Technology- MP/ACT™ utilises Advanced Composite Technology to achieve new levels of durability with consistent high performance shot after shot.

Body armour products only available via Aquaterro LTD

Ph: +613 9754 2922

W: www.aquaterro.com

W: www.1300tactical.com.au

3M™ Peltor™ Tactical Body Protection



3M™ Ceradyne™ has been providing high quality protective helmets, shields, ballistic plates and accessories for more than thirty-five years. 3M is able to bring the lightest, most advanced protective helmets, shields, ballistic plates and accessories to military customers.

3M™ Combat Ballistic & Gunfighter Helmet



3M is a trusted and quality supplier, committed to providing the best possible soldier protection solutions to the military. Troops can rely on 3M ballistic helmets to protect them when they need it most.

SHELL- The Shell is manufactured utilizing advanced Thermoplastic Aramid and Glass Fabric Composites, which provide a high level of ballistic protection at a weight less than the specification of the U.S. Military ACH helmet.

SIZES- Sizes range from Small through X- Large. Four helmet shell sizes and variable thickness impact absorbing pads (Standard Size 6 at 3/4" or Optional Size 8 at 1") for personal helmet comfort adjustment.



RETENTION SYSTEM- The retention system is built of tubular poly webbing reinforced with double bar tacked stitching in critical areas, and will come with both a full adjustable, smooth slice lock system, and padded nape strap to insure a stable, secure fit.



STANDARDS- The helmet has been tested at certified labs and meets or exceeds the NIJ Level IIIA Ballistic standard for penetration, and meets a minimum of 650 mps V-50 for 17 grain (1.1 gram) tested according to STANAG 2920.

Body armour products only available via Aquaterro LTD
Ph: +613 9754 2922
W: www.aquaterro.com
W: www.1300tactical.com.au

Specialised Respiratory Protection



3M offers both powered and non powered respiratory protection solutions that have received NIOSH approval for Chemical, Biological, Radiological and Nuclear contaminants.

Non Powered Respirators



FR-7800B

3M™ Full Face Respirator

The 3M FR-7800B full face respirator is approved to NIOSH Chemical Biological Radiological Nuclear(CBRN) requirements when used with the 3M™ Canister filter FR-15-CBRN. It offers a wide field of view with a scratch, high impact and chemical resistant polycarbonate lens. The FR-7800B features a unique double flange face sealing surface that enhances fit and protection. It is available in three sizes to accommodate most face sizes.

This product is designed for first responder applications commonly found in law enforcement, fire, emergency response and medical environments. It features an integral speaking diaphragm to enhance communication, and the canister can be mounted on either side to accommodate different weapon sighting styles.

The DIN exhalation port is designed for use with approved DIN Thread Canister filters.

Specialised Canister filter

3M range of specialised filters for military and emergency response applications are single DIN threaded (40mm) cartridges, that meet the requirements of the appropriate respiratory protection standards. These operate as a high efficiency particulate filters (P3), and can also filter a wide range of chemical warfare agents such as: nerve, mustard, tear and blood agents; chlorine, phosgene, chloropicrin, and diphenyl chloroarsine. These Gas and Vapour filters have a five (5) year shelf life and lot number and expiry date marked on each filter.

FR-15 CBRN - The 3M FR-15 CBRN canister filter meets the requirements of the NIOSH CBRN standard when used in conjunction with the FF 7800B full face air purifying respirator.

AFR-57 – 3M's AFR-57 cartridge has been tested against military and NIOSH protocols and has been found to be effective against a number of different chemical warfare agents and toxic industrial chemicals.

CP3N – The CP3N filter cartridge has been specifically designed for riot control and law enforcement. This filter is US NIOSH-approved for respiratory protection against CN and CS tear gas and offers high efficiency particulate filtration.



Specilaised Cannister Filters

Respirator	Filter	Standards rating
FR 7800B (S,M,L)	FR-15CBRN	NIOSH CBRN
	AFR-57	A1B1E1K1P3 (Multi Gas)
	CP3N	P3, Riot Control Agents

Air purifying respirators can only be used when sufficient oxygen is present and when the contaminant is known and levels are below those which are immediately dangerous to life or health.



Powered Air Purifying Respirators



Breathe Easy Base Unit



RBE-57



RBE-40

PAPR systems are motorised systems powered by a battery pack which draw air through a filter / cartridge to provide respiratory protection to the wearer. The blower unit can be mounted on the waist, face, or head, depending on the particular system.

Potential benefits include:

- A higher level of respiratory protection than non-powered air filtering respirators. Constant flow of air can provide cooling for the worker, resulting in greater comfort for the wearer
- Reduction in breathing resistance to the wearer since the battery-powered air filter unit draws the air through the filter

3M offer powered air purifying respirators available which meet the NIOSH CBRN standard for respiratory protection. The CBRN Breathe Easy PAPR is paired with the RBE range of filters and can be used with either a loose fitting or tight fitting headtop. Whilst a number of the 3M filter cartridges have been tested to military protocols, they have also been found to be effective against a various industrial chemicals, gases and vapours.

The ADF have used the AFR-57 filter with the Breathe Easy for a number of years for their specific applications. The AFR-57 Cartridge contains a high efficiency filter (P3) to remove solid and liquid aerosols. It also contains activated and impregnated carbon to absorb or react with gases and liquid vapours

Turbo	Filter	Headtop	Standards rating
CBRN Breathe Easy	RBE-57	Loose fitting butyl hood (BE-10BR)	NIOSH CBRN
CBRN Breathe Easy	RBE-40	FF 7800B	NIOSH CBRN
3M Breathe Easy	AFR-57	6800	AS/NZS 1716 A1B1E1P3

Around the globe 3M is committed to working with defence forces to deliver superior respiratory solutions. Please contact 3M to see how we can tailor a respiratory protection program for your application.

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 a ground crew in the air force, 3M has a solution to keep you protected.

We provide solutions for work situations requiring basic Personal Protective Equipment (PPE) through to environments that call for the most sophisticated and comprehensive protection. When job requirements call for special problem solving expertise, you can rely on 3M to use its diverse industry knowledge and history of innovation to give you the confidence and power to protect your world.



The 3M range of solutions for worker safety includes:

- Respiratory Protection
- Hearing Protection
- Communications
- Head, Eye and Face Protection
- Spill Management
- Worker Visibility
- Detection & Monitoring
- Body Protection

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:

- Conducting initial and ongoing assessments of the workplace
- Recommending appropriate respiratory, hearing, eye protection, communication and spill management solutions required to 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 the ideal 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's safety eyewear combines superior technologies and design to provide a range of solutions that span the function and price spectrum, providing high performance eyewear for most work situations as well as a variety of outdoor recreational activities. 3M safety glasses and goggles provide high quality optics and reliable UV protection.

3M™ Photochromic Eyewear

Transition: 10423-00000

- Safety eyewear with the added benefit of a transitioning lens
- Photochromic lens is UV reactive so lightens or darkens automatically in seconds
- Lenses deliver greater than 99% UV protection
- Durable frame with nylon brow and magnesium alloy temples
- AS/NZS 1337.1 Medium Impact Rating
- Black Frame/Transitioning Hard Coat Lens



3M™ Light Vision II Series

Clear Anti Fog: 10425-00000

- Light Vision II provides workers with hands-free direct lighting
- Ideal for intricate work where extra lighting and both hands are required
- Dual LED lights are adjustable so light is directed where needed
- LED lights have a long battery life of up to 50 hours
- Wrap around design provides high wearer protection levels
- Light Vision II products come with a microfibre bag & lanyard
- AS/NZS 1337.1 Medium Impact Rating



3M™ Fectoggle Series

Dust Clear Anti Fog: 16412-00000-100AS

- Soft frames combine with the Lexa lens for a lightweight, stylish & comfortable goggle solution
- Soft foam seals out harmful dust & particulates
- Top & bottom vent channels improve air flow
- Lenses feature DX anti-fog & deliver greater than 99% UV protection
- AS/NZS 1337.1 Medium Impact



3M™ Lexa Splash Series

Splash Clear Anti Fog: 16645-00000-100AS

- Soft frames combine with the Lexa lens for a lightweight, stylish & comfortable goggle solution
- Soft PVC frame delivers ideal splash protection
- Top & bottom vent channels improve air flow
- Lenses feature DX anti-fog & deliver greater than 99% UV protection
- AS/NZS 1337.1 Medium Impact



3M™ Maxim GT Series

Clear Anti Fog/Hard Coat: 14246-00000-100AS

Grey Anti Fog/Hard Coat: 14247-00000-100AS

- Lightweight elastomeric browguard, wrap around lens with anti-fog coating
- Style and comfort
- Dual-injected brow bar and temples
- 3-position lens adjustment and adjustable temple lengths
- AS/NZS 1337.1 Medium Impact



3M™ Securefit™ Series

Clear Anti Fog/Hard Coat: 11818-00000-100AS

Grey Hard Coat: 11815-00000-100AS

- 3M™ Pressure Diffusion Temple Technology means there are no moving parts and nothing to adjust.
- *Self-adjusts to fit a wide array of head sizes reducing the need to stock multiple sizes
- *Provides a secure, snug fit without compromising comfort
- *Helps reduce eyewear/frame slippage during workplace head movements
- *AS/NZS 1337.1 Medium Impact



3M™ Peltor™ Hearing Protection



The 3M™, E-A-R™ and Peltor™ brands offer a hearing protection solution for anyone who spends time in noisy environments. The comprehensive range of 3M and E-A-R earplugs includes disposable, reusable, no-roll down and banded models. Many 3M and Peltor earmuffs are available in headband, neckband, helmet attachable and folded models to meet virtually every application need and wearer preference.

3M™ E-A-R™ Push In with Grip Rings Earplugs

Corded: 318-1009

Uncorded: 318-1008

- Grip rings help the earplugs stay in position
- Unique cone shape inserts easily into the ear canal with comfort
- SLC80 26dB (Class 5)



3M™ E-A-R™ Classic™ Earplugs

Corded: 311-1101

Uncorded Pillow Pack: 310-1001

Uncorded Poly Bag: 312-1201

- The original PVC plug that still stands up to the competition
- PVC foam provides a comfortable seal with high protection levels
- SLC80: 21dB (Class 3 Corded)
- SLC80 23dB (Class 4)



3M™ E-A-R™ Ultrafit™ Reusable Earplugs

Cased Corded: 340-4002

Cased Uncorded: 340-4001

Corded Polybag: 340-4004

- Reusable triple flange design assists with fitting
- Product available in either polybags or cases for safe storage
- Cost effective hearing protection option
- Available in corded & uncorded formats
- SLC80 18dB (Class 3)



3M™ E-A-R™ Swerve™ Banded Earplug

Band: 322-2000

Comfort Pod: 322-2001

Flex 28 Pod: 320-1001

- Adjustable ergonomic design minimises collar interference
- Lightweight & durable plastic flexes for constant on & off wearings
- Product comes with both Comfort
- Pod SLC80 23dB (Class 4) & Flex 28 tip SLC80 20dB (Class 3) options



3M™ Peltor™ X4 Earmuff Series

Headband: X4A

Helmet Attached: XP3G/E

- Extremely slim and lightweight earcups provide excellent compatibility when used with other 3M personal protection products
- New specially-formulated foam earcup inserts and cushions help boost the noise absorption capability of these comfortable, lightweight earmuffs
- Twin headband design helps reduce heat build-up with good fit and balance



3M™ Sound Detector

SD-200

Compact, lightweight sound level meter.

Measurements include:

- Sound Pressure Level (SPL)
- Average value (LEQ /LAVG)
- LED Alert (with Hearing Protection icon)
- Maximum value (MAX)
- Minimum value (MIN)
- Run-Time, Overload (OL)
- Under-Range (UR)



3M™ Peltor™ Communication Headsets



3M's Peltor™ brand is a world leader in communication equipment. The extensive range provides hearing protection and enables wearers to communicate effectively within their immediate environment as well as with people further away.

3M™ Peltor™ Lite Com™ Plus

Headband: MT7H7A4310-AZ

Neckband: MT7H7B4310-AZ

Helmet Attachment: MT7H7P3E4310-AZ

- Built in two-way radio communication
- 69 channels (LPD 433 MHz)
- 121 subchannels
- Level dependent function for ambient listening
- Rechargeable lithium-ion battery with 20 hours operating time
- Voice operated transmission (VOX)
- Auto power off function
- Battery status indication
- Voice guided menu system
- Class 5 Protection



3M™ Peltor™ High Attenuation, Standard Headset

Headband: MT7H79A

Neckband: MT7H79B

Helmet Attachment: MT7H79P3E

- Connects to two-way Radio's via a PTT adapter
- High-attenuating shells with optimised acoustic design and spacial ear cups
- quality and comfort
- Dynamic speech microphone with effective noise compensation for clear and reliable communication
- Quick positioning boom microphone for easy handling
- Class 5 Protection



3M™ Peltor™ SportTac™

Headband: MT16H210F-478-GN

- Developed specifically for hunting and sport shooting with low profile, green/orange cups
- Smooth level dependent function, which eliminates abrupt sound cut-off
- Equipped with automatic shut-off function
- Collapsible design for easy storage
- Input jack
- Water resistant exterior
- Class 4 Protection



3M™ Peltor™ ORA TAC

MT10FL10

- In-ear communications headset
- No ear-cups reduce weight & heat
- Moisture-resistant PTT button
- Fits with most respirators, eyewear, face masks and helmets
- Level dependent function
- In-ear microphone eliminates need for a boom mic
- Omni-directional reception
- Connects to certain two-way radios via a flex cable for clear, concise communication



3M™ Peltor™ Intrinsically Safe Headset

Headband: MT7H9F-50

Neckband: MT7H9B-50

Helmet Attached: MT7H9P3E-50

- Intrinsically safe headsets according to IECEx class Ex ib IIC T4 design, spacial ear cups, offer great sound quality and comfort
- Dynamic speech microphone with effective noise compensation for clear and reliable communication
- Quick positioning boom microphone for easy handling
- Soft, wide, foam and fluid-filled ear cushions.



3M™ Peltor™ WS ProTac XP Headset

Headband: MT15H7AWS5

Neckband: MT15H7BWS5

Helmet Attached: MT15H7P3EWS5

- The Bluetooth function enables work with both hands free while taking calls via DECT- or mobile phones.
- The ambient listening function lets the user hear surrounding noise and converse with colleagues.
- The headset provides effective noise attenuation when sound level is high.
- DSP (Digital Noise Reduction)
- Supports Bluetooth A2DP profile for streaming high quality stereo sound
- Advanced VOX (Voice Operated Transmit)



Disposable Respiratory Protection



3M have respirators that fit well, are comfortable and provide the protection you need. Our disposable respirators meet the performance requirements of AS/NZS 1716:2012 'Respiratory protective devices'. To achieve the assigned protection of a tight fitting face-piece there must be a good seal between the seal of the respirator and your face. Conducting a fit test as required by AS/NZS 1715:2009 is an important component of an effective respiratory protection program.

3M™ Flat Fold Particulate Respirators 9300 Series

9322: P2, valved / 9320: P2

- Unique 3-panel design fits a wide range of face sizes
- Low profile provides good field of vision
- Proprietary 3M™ Cool Flow™ exhalation valve reduces heat and moisture build-up, making breathing easier (9322)
- Individually packaged for portability in the workplace
- Applications e.g. P2: light welding, infection control, shipbuilding



3M™ Cupped Particulate Respirators 8300 Series

8322: P2, valved / 8320: P2

- Super soft cushion lining provides greater comfort
- Robust outer shell construction offers added durability
- Flexible textured edge offers a comfortable and secure fit
- Proprietary 3M™ Cool Flow™ exhalation valve helps to breathe easier during prolonged wear (8322)
- Applications e.g. P2: iron & steel foundries, metalworking



3M™ Cupped Particulate Respirators 8000 Series

8210: P2 / 8812: P1, valved

8710: P1

- Lightweight construction for added comfort and increased wearer time
- Galvanised steel nose clip for use in intrinsically safe environment (8812 & 8710)
- Adjustable nose clip helps reduce eyewear fogging
- Applications e.g. P1: sawing, drilling. P2: composting, handling infected animals



3M™ Particulate Respirators with Nuisance Level* Organic Vapour Relief

9913V: GP1, valved / 9913: GP1

9542A: P2

- Activated carbon layer provides protection against nuisance levels* of organic vapours and odours
- Galvanised steel nose clip for use in intrinsically safe environment e.g. underground use (9913V & 9913)
- 9542A is individually wrapped & has folded design for easy storage and dispensing in the workplace
- Applications e.g. metal processing, foundry operations, waste disposal & recycling



3M™ Welding Respirators

8514 & 8512: P2, valved

- For welding applications. Minimises ozone and welding fumes
- Low profile design allows compatibility with welding shields
- Flame retardant, cake resistant filter media reduces caking of particles on filter surfaces
- 8514 has an activated carbon layer to filter out ozone and nuisance levels* of organic vapour
- Proprietary 3M™ Cool Flow™ valve helps to remove exhaled air and minimise risk of misting eyewear



3M™ Qualitative Fit Test Kits

FT-10 Sweet & FT-30 Bitter

- Designed for fit testing negative pressure respirators e.g. 3M™ Disposable & Reusable Respirators
- Each kit contains a hood and collar assembly, two nebulisers, sensitivity solution, test solution and detailed instructions
- Kits are available with: FT-10 Sweet (Saccharin) and FT-30 Bitter (Bitrex) solutions





Reusable Respiratory Protection



With the ability to reuse the facepiece, the 3M range of reusable half and full face respirators offer value and versatility for a wide variety of environments and hazards, while giving you the confidence in protection you deserve. 3M gas and vapour cartridges and particulate filters are lightweight, well balanced and provide excellent field of vision when fitted to a respirator.

3M™ Half Face Respirator 6000 Series

- Simple and lightweight reusable respirator
- Thermoplastic Elastomer (TPE) facepiece
- Cradle head harness and easy to fasten neck strap
- For use with 3M™ 2000, 5000 and 6000 series cartridges and filters (sold separately)
- Sizes: 6100 (small), 6200 (medium), 6300 (large)



3M™ Full Face Respirator 6000 Series

- Lightweight and well balanced
- Simple and easy to use
- Wide field of vision. Polycarbonate, high impact visor
- For use with 3M™ 2000, 5000 and 6000 series cartridges and filters (sold separately)
- Sizes: 6700 (small), 6800 (medium), 6900 (large)
- Also available with the DIN fitting



3M™ Half Face Respirator 7500 Series

- Soft silicone face seal for extra comfort and durability
- Respirator design helps reduce fogging when wearing eye protection
- For use with 3M™ 2000, 5000 and 6000 series cartridges and filters (sold separately)
- Sizes: 7501 (small), 7502 (medium), 7503 (large)



3M™ Cartridges and Filters

3M offers a wide range of cartridges and filters to be used with the 3M Half and Full Face Respirators. For details and assistance in product selection please contact 3M.



3M™ Respirator Starter Kits

- Convenient and easy to use – an ideal solution to get you started
- Protection for a range of applications, from paint spraying to sanding or welding
- All kits include a pair of 3M™ Earplugs, 3M™ Respirator Cleaning Wipes and a 3M Respiratory Protection Guide
- Store the respirator in the handy, sealable storage container, avoiding moisture and contaminant exposure



Range	Code	Description	Filter Rating	Size	Applications
Half Face Respirator 6000 Series	6228	Welding Respirator Kit	GP2	M	Welding, soldering/brazing, grinding/polishing, drilling, metal pouring, machining
	6251	Spraying Respirator Kit	A1P2	M	Paint spraying*, pesticide spraying, chemical handling, fibreglassing, printing, degreasing
	6259	Multi-Gas Respirator Kit	A1B1E1K1P2	M	Range of vapours and gases including (but not limited to): Chlorine, Sulphur Dioxide, Solvents (boiling points >65°C), Hydrogen Sulphide, Ammonia, Hydrogen Chloride
	6225	Dust/Particle Respirator Kit	P2	M	Sanding/sawing, lead paint removal, food manufacturing, insulation, drilling/cutting, masonry, grinding, powder coating
Half Face Respirator 7500 Series	7528	Welding Respirator Kit	GP2	M	Welding, soldering/brazing, grinding/polishing, drilling, metal pouring, machining
	7551	Spraying Respirator Kit	A1P2	M	Paint spraying*, pesticide spraying, chemical handling, fibreglassing, printing, degreasing

*Not to be used when spraying isocyanate based paints



3M offers a comprehensive range of disposable coveralls that provide protection for a variety of applications including food processing, light-duty industrial cleaning, asbestos removal, painting and coating, pesticide spraying and chemical spills, as well as decontamination and tank cleaning.

3M™ Protective Coverall 4510

The 4510 is constructed of high quality laminated microporous material and is designed to offer cost effective protection against hazardous dusts and light liquid chemical splashes.

- CE Type 5 & 6 for hazardous dust and splash
- Anti-static protection to EN 1149-5:2008
- Two-way zipper with storm flap for added convenience and extra protection
- Ultra low-linting



Most Suitable Applications:

- General Industrial Processing
- Machine or Vehicle Maintenance
- Paint Spraying

3M™ Protective Coverall 4532+

The 3M™ Protective Coverall 4532+ offers an excellent combination of breathable material comfort, with enhanced liquid and dust protection. The 5 layer SSMMS material is specially treated to increase the repellence to certain oils and solvents enabling this product to be used in many applications not usually suitable for SMS-based coveralls.

- Excellent barrier against dry particles and certain limited liquid chemical splash (CE Type 5/6)
- Alcohol and oil repellence treatment
- Robust yet soft highly breathable SSMMS material
- Fabric has an anti-static treatment
- Elasticated waist and ankles for convenience and freedom of movement and knitted cuffs for extra comfort
- 2-way zipper with sealable storm flap for added on-off convenience and extra protection
- Low linting
- Enhanced and reinforced triangular gusset panel
- 3 panel hood for optimal fit



Most Suitable Applications:

- Cement Manufacturing
- Polishing
- Oils & Petrochemicals
- Glass Fibre
- Light Industrial Cleaning
- Painting & Coating
- Resins

3M™ Protective Coverall 4515

- The 4515 is made from a breathable material and is ideal for a wide range of applications, particularly hazardous dusts.
- CE Type 5 & 6 for hazardous dust and splash
- 2-way zipper for added convenience
- Elasticated hood, cuffs, waist and ankles for a comfortable fit



Most Suitable Applications:

- Asbestos Inspection
- Site Preparation
- Insulation
- General Powder Handling

3M™ Protective Coverall 4570

Advanced film to help protect hazardous dusts (Type 5), light liquid splashes (Type 6), low pressure liquid sprays (Type 4), higher pressure liquid jets (Type 3) and biohazards

- Soft material produces minimal noise when moving and working
- Glued-in elastic waist to minimize entry points and elastic wrists and ankles
- Two stormflaps combined with double colour-coded zip to create a double seal
- Large ring-pull zippers for easy donning and doffing when wearing gloves.
- Taped seams and particle tight fabric for reliable protection
- Thumb loops for secure fit during overhead work
- 3-panel hood design
- Anti-static treated (meets EN1149) – inner side only



Most Suitable Applications:

- Chemical Mixing & Handling
- Hazardous Waste Remediation
- Environmental Clean-Up
- Tank Cleaning



3M's powered air purifying respirators (PAPP) provide a clean breathable air supply with a combination of other protective functions allowing wearers to have integrated personal protection - respiratory as well as eye, face, head and in some cases, hearing and neck & shoulder protection.

3M™ Versaflo™ M-100 Series High Impact Faceshield

M-106 (Australia Only)

M-107

High Impact Faceshield for respiratory, eye & face protection:

- M-106 features a comfortable, high durability faceseal for dusts, spraying and chemical handling
- M-107 features a flame resistant faceseal for applications where hot particles may be present



3M™ Versaflo™ M-400 Series High Impact Helmet with Neck Protector

M-406

M-407

High Impact Helmet for respiratory, head, eye & face with additional neck and shoulder protection:

- M-406 features a comfortable, high durability outer shroud for heavy duty applications such as demolition and excavation
- M-407 features a flame resistant outer shroud for applications involving forging and grinding



3M™ G500 Headgear

G500V5FH510-GU

G500V5CH510-OR

The 3M™ Headgear G500 provides a versatile and comfortable solution for wearers who require both face and hearing protection. The G500 has special design features making it easy to combine the headgear with other 3M safety products such as face shields, passive earmuffs or communication headsets.



3M™ Versaflo™ PAPP kit

TR-315A

The Versaflo PAPP kit is a ready to use kit, inclusive of Air Turbo, Battery Charger, Length Adjusting Breathing Tube, Air flow Indicator and Standard Waist Belt;

- The curved design means that it can be worn close to the wearers back, reducing the leverage effect that can cause turbos to feel heavier
- The compact shape and location of the air inlet allows sitting without compromising the airflow intake
- Sophisticated electronic controls maintains airflow control at the factory calibrated 190 l/min eliminating the need for regular calibration by the user
- LED guage on the battery itself indicate charge status
- Meets the performance standards of AS/NZS 1716 for respiratory protection when used in combination with a 3M Versaflo Faceshield or Helmet.



3M™ Peltor™ G2000 Helmet

G2000CUV-GU

G2000CUV-OR

G2000NUV-OR

Material: UV-stabilised ABS.

Colours: Yellow & White

Weight: 340 g

Size: 54-62 cm



3M™ Peltor™ Military Solutions



Standard Adapters

3M product code	Peltor product code	Communication radio
XH001650981	FL5001	Peltor "standard"
XH001650999	FL5010	ICOM IC, Alan, Zodiac (straight connector), Yaesu, Alinco
XH001654132	FL5011	Dittel FSG 4, FSG 5
XH001651906	FL5017	Motorola Visar (GP344, GP388 with Motorola's adapter PMLN4455A)
XH001651914	FL5018	Motorola GP900, HT1000, MT2000
XH001665047	FL5019	Motorola Expo, Maxon Slim line
XH001651005	FL5030	Motorola GP340, GP320
XH001651013	FL5034	ICOM IC-F3GS, IC-F3GT, IC-F4GS, IC-F4GT (angled connector)
XH001651021	FL5035	Kenwood TK3101, Funkey
XH001654249	FL5042	Nokia TETRA THR880/ EADS TETRA THR880i
XH001654256	FL5044	ICOM F31/F41 F51/F61
XH001654280	FL5058	Sepura TETRA SRP2000 / SRH3*00
XH001675269	FL50101	Sepura TETRA STP8000 series
XH001654298	FL5061	Sailor SP3510, SP3520
XH001654306	FL5062	Motorola TETRA MTH800 / MTP850
XH001654314	FL5063	Motorola Mototrbo
XH001654348	FL50-T9088	ICOM IC-M1 / M71
XH001654389	FL50-T9121	ICOM IC-A5 /A23
XH001654397	FL50-T9139	ICOM IC-F34/F44
XH001654405	FL50-T9140	Vertex VX 160 / 400
XH001654413	FL50-T9143	Motorola GP344 / 388
XH001654447	FL50-T9148	Vertex VX 820, 920
XH001664974	FL50-T9150	Vertex HX370



Adapters for Military radios

3M product code	Peltor product code	Communication radio
XH001654223	FL5040	Adapter for MBITR 2M, AN/PRC-148
XH001654272	FL5052	Thales PR4G
XH001654140	FL5025	Adapter for RA145, RA146, RA180 (for Sweden)
XH001654199	FL5031	Adapter for Intercom with AP107 connection
XH001654462	FL50-T9507	Adapter for MBITR 20M, Maritime

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

Spare Parts & Accessories





Stay Current on Respiratory Protection

Respiratory Protection Services

3M'S ADVANCED RESPIRATOR TRAINING: This training is available to Health and Safety professionals or individuals charged with starting or running a Respiratory Protection Program.

3M'S QUALITATIVE FIT TESTING WORKSHOP: This program is intended for individuals who will be conducting qualitative fit testing in their workplace.

USER TRAINING: This is an introductory level respiratory protection course. It is intended for all respirator wearers. Employee training and fit testing is a requirement of AS/NZS 1715.

Respirator Fit Testing

- Qualitative
- Quantitative

Respiratory Protection

We can assist with...

- Program Development
- Respirator Protection Program

3M offers over 2000 personal health and safety products for:

- Body Protection
- Head, Eye & Face Protection
- Hearing Protection
- Active Communications
- Respiratory Protection
- Welding Protection
- Spill Management



Hearing Conservation Services

3M's HEARforce Hearing Conservation Training:

Interesting, informative and comprehensive. Conducted by our experienced sales force, HEARforce seminars are designed to help assure that hearing conservation programs run at optimum efficiency to get the best results possible for employees and employers.

Topics include:

- **How The Ear Works**- An inside look at the various parts and functions of the ear.
- **Effects of Noise**- How exposure to high noise affects the ear and how it can permanently damage one's hearing.
- **How To Prevent Hearing Loss**- Strategies on how to minimise hearing loss.
- **Purpose & Types of Hearing Protectors**- A 'Show and tell' segment on the various protectors available, how they work, and which ones are best for certain environments.
- **Fit & Care of Protectors**- A look at the proper fitting techniques and care/maintenance that optimises protection performance.

E-A-Rfit™ Validation System

- In less than 10 seconds per ear, the 3M™ E-A-Rfit™ Validation System generates a personal attenuation rating (PAR) for each worker
- Assists selection of appropriate protectors for workers & environments
- Helps identify workers receiving inadequate protection, leaving them at risk for standard threshold shifts (STS)
- Documents data for further test comparison

Leading the
Advancement
of Hearing
Conservation™





Personal Safety Division

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