Hearing Protection

E·A·R PELTOR™

Leading the
Advancement of
Hearing Conservation

3M

Solutions for Worker Safety

As one of the world's leading suppliers of safety and protective equipment, 3M's goal is to ensure that we satisfy your needs through the provision of exceptional products, expertise, quality and service excellence.

Our global technology, manufacturing and knowledge network allow us to provide superior design, cross-over compatibility, expertise, comprehensive support and a continuously evolving range of safety solutions.

We provide solutions for work situations that require basic personal protective equipment (PPE) through to environments that call for the most sophisticated and comprehensive protection. Whether the customer is a tradesman, medium sized business, or organisation employing thousands of workers, 3M has a workplace safety solution to meet their needs.

If we can make your life and that of your workforce easier, healthier, safer and more productive we are moving in the right direction.

The 3M range of solutions for worker safety includes:

- Respiratory Protection
- Hearing Protection
- Eye Protection
- Welding Protection
- Spill Management
- Communications
- Detection & Monitoring
- Worker Visibility

3M Safety brands you can trust:

3M E·A·R PELTOR™ Speedglas® 3M Scotchlite Reflective Material QUEST TECHNOLOGIES a 3M company

Contents

E-A-R™ Optime™ Alert System

The Optime System is a complete solution to the question of identifying the required protection, selecting and purchasing the right product where your employees are exposed to hazardous noise levels.

Our system uses a simple, logically coloured classification to make the selection process easy. Firstly find out what your noise exposure is, then look at the icons below and establish which class of hearing protection you require. Take note of the icon and choose from the wide range of products featuring the correct icon.

OPTIME 1 AS/NZS 1270:2002 CLASS 1	OPTIME 2 AS/NZS 1270:2002 CLASS 2	OPTIME 3 AS/NZS 1270:2002 CLASS 3	OPTIME 4 AS/NZS 1270:2002 CLASS 4	OPTIME 5 AS/NZS 1270:2002 CLASS 5
85 < 90dB	90 < 95dB	95 < 100bB	100 < 105dB	105 < 110dB
Corresponds to AS/NZS 1269.3:2005 Class 1 SLC_{80} 10 to 13dB	Corresponds to AS/NZS 1269.3:2005 Class 2 SLC_{80} 14 to 17dB	Corresponds to AS/NZS 1269.3:2005 Class 3 SLC_{80} 18 to 21dB	Corresponds to AS/NZS 1269.3:2005 Class 4 SLC_{80} 22 to 25dB	*Corresponds to AS/NZS 1269.3:2005 Class 5 SLC_{80} 26 dB or greater

*Noise exposures > 110dB require specialist advice

E-A-R™ Optime™ Sound Check Meter

3M has a simple sound level indicator, the E-A-R Optime Sound Check Meter, that complements the Optime™ Alert System by establishing which colour code you need to follow.

Use the Optime Sound Check Meter to identify the noise level
Place the meter as close to the work area as possible for a full shift. The meter measures the sound level and then calculates an 8-hour time weighted average. The symbols light up to the corresponding noise level. These symbols correspond to an Optime classification.

Match the Optime Classification to a product
Using the Optime classification from the meter, you can find the matching column on the Hearing Protector Selection Chart on page 5. Choose one or more of the products in that column for use in that work area.

Description	Product Code
Optime Sound Check Meter	88099-00000

Hearing Protector Selection Chart

PELTOR™

AS/NZS Class	Class 1	Class 2	Class 3	Class 4	Class 5	
Exposure Levels (L_A eq 8hr)	85 < 90dB	90 < 95dB	95 < 100dB	100 < 105dB	105 < 110dB	≥ 110dB
	OPTIME 1 AS/NZS 1270:2002 CLASS 1	OPTIME 2 AS/NZS 1270:2002 CLASS 2	OPTIME 3 AS/NZS 1270:2002 CLASS 3	OPTIME 4 AS/NZS 1270:2002 CLASS 4	OPTIME 5 AS/NZS 1270:2002 CLASS 5	
Hearing Protector	Green	Green/Yellow	Yellow	Yellow/Red	Red	Flashing Red
E·A·R No Roll Down Earplugs			Express	Push-Ins	Push-Ins with Grip Rings	Seek advice from your rep
E·A·R Disposable Earplugs			Classic (corded)	Classic Classic Platinum Classic Superfit 30 E-A-Rsoft Superfit E-A-Rsoft Metal Detectable E-A-Rsoft Yellow Neons	E-A-Rsoft FX, TaperFit 2	Seek advice from your rep
E·A·R Reuseable Earplugs			Ultrafit EZ-Ins Ultrafit Metal Detectable Ultrafit Plus	Ultrafit 27		Seek advice from your rep
E·A·R Banded Earplugs	Caboflex 600	E-A-Rflex Foam E-A-Rflex Metal Detectable	Swerve with FLEX 28 Tips	Swerve with Comfort Pods		Seek advice from your rep
PELTOR™ Earmuffs				H6 Series H9 Series	H10 Series, H7 Series	Seek advice from your rep
PELTOR™ Earmuffs with Communications			Lite-Com III (for helmet)	SportTac Lite-Com III (headband)	Tactical XP, Pro Tac II, Push-to-Listen, Worktunes II, Worktunes Plus, FM Radio Earmuffs, WS Alert w/Bluetooth	Seek advice from your rep

E-A-Rfit™ Validation System

Stop guessing what protection levels your workers are really getting from their earplugs

Start knowing each worker's personal protection level and validate that they are getting the protection they need.

Put The E-A-Rfit System To Work.
The E-A-Rfit Validation System includes **FREE online training and user support.** For more information and to see a video please contact your 3M sales representative or visit www.E-A-Rfit.com

Features and Benefits:

Innovative F-MIRE process is quick, simple and accurate
Unlike less reliable tone response tests, E-A-Rfit is a F-MIRE (field-microphone-in-real-ear) test system. Intervention of the worker or tester is not required, making this an objective process.

Dual Element Microphone
Measures sound inside and outside the ear

Personal attenuation rating (PAR) for each worker in just eight seconds
The advanced algorithm utilises a transfer function measurement approach to acquire reliable data in only (8) eight seconds at seven standard (125Hz to 8000 Hz) frequencies. You'll know exactly what level of protection each worker receives from each tested earplug. No guesswork.
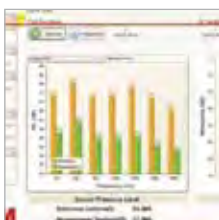
Data is documented for future reference
Each worker's PAR results are automatically documented and stored. This information is valuable for comparison during subsequent tests and may be aggregated to measure the variation in fit of a worker. Results may assist in future workers compensation cases. A copy of the results can be provided to your company's Hearing Conservation Program Administrator or Occupational Health professional.

Application Software
Software provides enhanced metrics for guidance in the application of the measured insertion loss values.

Test is compatible with a variety of E-A-R™ earplugs
Protection levels can be validated with many different E-A-R earplugs. This selection includes specially-probed versions of foam, no roll and reusable earplugs. Test plugs are sold separately.

Description	Product Code	Pkg
E-A-Rfit™ Testing Unit	393-100-50	1 unit/case
E-A-Rsoft™ Yellow Neon Probed Test Plugs	393-2000-50	50 pairs/case
E-A-R™ Ultrafit™ Probed Test Plugs	393-2001-50	50 pairs/case
E-A-R™ Push-Ins™ Probed Test Plugs	393-2002-50	50 pairs/case
E-A-R™ Classic™ Probed Test Plugs	393-2003-50	50 pairs/case
E-A-Rsoft™ FX Probed Test Plugs	393-2004-50	50 pairs/case
E-A-R™ TaperFit™ 2 Probed Test Plugs	393-2006-50	50 pairs/case
E-A-R™ Classic™ Platinum Probed Test Plugs	393-2007-50	50 pairs/case
E-A-R™ Express™ Probed Test Plugs	393-2008-50	50 pairs/case

E-A-R™ Earplugs

Hear the difference

3M offers a complete range of E-A-R™ earplugs for anyone who spends time in noisy environments. We revolutionised the hearing protection industry with the creation of the first foam earplug, the E-A-R™ Classic. Ever since then, we have continued to lead the way with progressive research and the development of innovative products such as the first washable and reusable UltraFit plugs and more recently, the no roll down Push-In plugs.

All our products are designed for optimum comfort, protection and ease of use. Each is manufactured to the highest quality control and offers a range of attenuation performance.

Our extensive offering of E-A-R earplugs includes:

No Roll Down Earplugs

Disposable Earplugs

Reusable Earplugs

Banded Earplugs

E-A-R earplug features include:

+ Majority of earplugs are available in corded options
+ Breakaway cord on all corded products
+ All earplug materials are regularly tested for dermal toxicity
+ Provide optimal fit capability with other personal protection equipment
+ Compatibility with the 3M E-A-Rfit™ Validation System
+ Variety of designs to suit a myriad of applications and workplaces

E-A-R earplug benefits include:

+ Assurance of proven protection and high quality
+ Proven reliability and success in preventing hearing loss
+ Tested to Australian/New Zealand Standard AS/NZS1270 (See page 26 for attenuation data for all earplugs listed in this catalogue)

No Roll Down Earplugs

Since there is no roll needed, these earplugs are very easy to insert, just use the soft flexible grip to push the earplug into position and achieve excellent protection. Because you do not have to touch the foam during the fitting, these are some of the most hygienic types of earplugs available.

Features and Benefits:

Comfortable

+ Unique cone shape inserts easily and "moulds" to ear canal for extra comfort

Convenient

+ Washable and reusable
+ The insertion stem eliminates the need to touch the tip: no need to clean your hands

Effective

+ Grip Rings hold the plugs in position, maintaining performance and comfort
+ SLC_{80}: 26dB (Class 5)

Versatile

+ Available corded and uncorded

Compatible with

+ Designed to be compatible with other PPE

E-A-R™ Push-Ins™ with Grip Rings

Description	E-A-R Push-Ins with Grip Rings (Corded)
Product Code	318-1009
Description	E-A-R Push-Ins with Grip Rings (Uncorded)
Product Code	318-1008
Packaging	Polybag, 200 pairs/box, 10 boxes/case
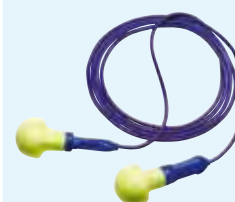
E-A-R™ Push-Ins™

Disposable pod earplugs with high attenuation. Compatible with E-A-R Fit™ Validation System SLC_{80}: 23dB (Class 4)

Description	E-A-R Push-Ins (Corded)
Product Code	318-1003
Packaging	Polybag, 200 pairs/box, 10 boxes/case
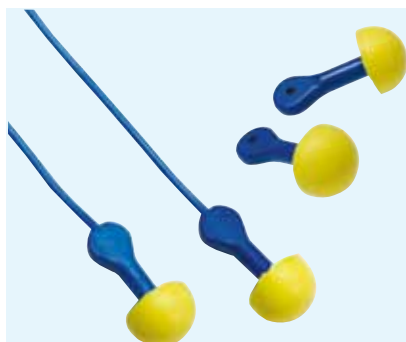
E-A-R™ Express™

Unique pod design allows the foam to compress easily. Plug slides gently into the ear and expands slowly. SLC_{80}: 19dB (Class 3)

Description	E-A-R Express (Corded)
Product Code	321-2115
Description	E-A-R Express (Uncorded)
Product Code	321-3200
Packaging	Pillow Pack, 100 pair/box, 4 boxes/case

Disposable Earplugs

E-A-R™ offers a variety of disposable earplugs to suit all workers. From the original Classic™ to the E-A-Rsoft™ FX, they are available in multiple shapes and sizes to comfortably accommodate different wearer and workplace needs. Designed for single use, these earplugs provide a range of effective solutions for those seeking a convenient hearing protection approach.

Features and Benefits:

Comfortable
+ Tapered shape preferred by many wearers
+ Non-irritating
+ Polyurethane foam

Convenient
+ Plus size option for larger ear canals
+ Available corded & uncorded

Effective
+ SLC_{80}: 26dB (Class 5)

Compatible with
+ Designed to be compatible with other PPE
+ EARfit™ Validation System to check personal attenuation ratings

E-A-R™ Taperfit™ 2

Description	E-A-R Taperfit 2 Plus (Corded)
Product Code	312-1224
Description	E-A-R Taperfit 2 Plus (Uncorded)
Product Code	312-1221
Description	E-A-R Taperfit 2 Regular (Uncorded)
Product Code	312-1219
Packaging	Polybag, 200 pairs/box, 10 boxes/case

E-A-Rsoft™ FX
Features patented shape to more effectively fit ear canal. Made of custom polyurethane foam for slow recovery and increased softness in the ear canal. Compatible with EARfit™ Validation System. SLC_{80}: 26dB (Class 5)

Description	E-A-Rsoft FX (Corded)
Product Code	312-1260
Description	E-A-Rsoft FX (Uncorded)
Product Code	312-1261
Packaging	Polybag, 200 pairs/box, 10 boxes/case

E-A-Rsoft™ Yellow Neons
Neon colour for easy compliance sighting. Smooth texture. Compatible with EARfit™ Validation System. SLC_{80}: 23dB (Class 4)
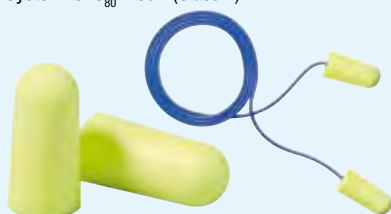
Description	E-A-Rsoft Yellow Neons - Large (Corded)
Product Code	311-1251
Description	E-A-Rsoft Yellow Neons - Regular (Uncorded)
Product Code	312-1250
Description	E-A-Rsoft Yellow Neons – Large (Uncorded)
Product Code	312-1251
Packaging	Polybag, 200 pairs/box, 10 boxes/case

Disposable Earplugs (continued)

Features and Benefits:

Comfortable

+ Soft energy absorbing foam offers a low equilibrium pressure in the ear canal
+ Resistant to moisture absorption, helping to reduce moving and shifting problems when using in moist conditions
+ Designed to fit and protect without irritation

Effective

+ Tested and proven to be flame resistant
+ Exposed cell surface texture resists movement and helps maintain an effective seal
+ Available as:
  SLC_{80}: 23dB (Class 4) or
  SLC_{80}: 21dB (Class 3) - corded model

Convenient

+ Available in handy and reseable Pillow Pack
+ Available in two sizes – original Classic and the smaller diameter, Classic Platinum

Compatible with

+ Designed to be compatible with other PPE
+ EARfit™ Validation System to check personal attenuation ratings

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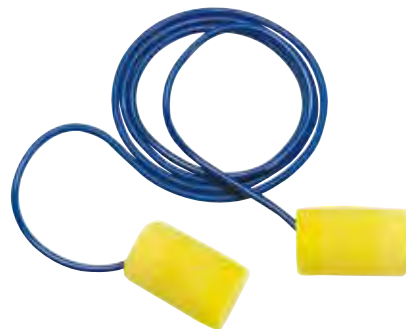
**E-A-R™ Classic™ &
E-A-R™ Classic™ Platinum**

Description	E-A-R Classic- Class 4 (Uncorded)
Product Code	310-1001
Description	E-A-R Classic Platinum – Class 4 (Uncorded)
Product Code	310-4002
Packaging	Pillow Pack, 200 pairs/box, 10 boxes/case

Description	E-A-R Classic- Class 4 (Uncorded)
Product Code	312-1201
Description	E-A-R Classic Platinum-Class 4 (Uncorded)
Product Code	310-4003
Description	E-A-R Classic- Class 3 (Corded)
Product Code	311-1101
Packaging	Polybag, 200 pairs/box, 10 boxes/case
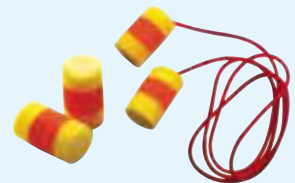
E-A-R™ Classic™ Superfit™ 30
If the red line is visible, the earplug is not inserted deep enough in the ear canal for optimal protection.
Corded: SLC_{80}:22dB (Class 4)
Uncorded: SLC_{80}:23dB (Class 4)

Description	E-A-R Classic Superfit 30 (Corded)
Product Code	311-2126
Description	E-A-R Classic Superfit 30 (Uncorded)
Product Code	312-5201
Packaging	Polybag, 200 pairs/box, 10 boxes/case

E-A-Rsoft™ Superfit™
Soft foam with red line delivers protection and comfort. Bullet design. Available in large size for larger ear canals. SLC_{80}: 24dB (Class 4)

Description	E-A-Rsoft Superfit -Regular (Corded)
Product Code	311-1254
Description	E-A-Rsoft Superfit - Regular (Uncorded)
Product Code	312-1256
Description	E-A-Rsoft Superfit – Large (Uncorded)
Product Code	312-1255
Packaging	Polybag, 200 pairs/box, 10 boxes/case
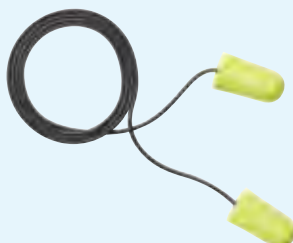
E-A-Rsoft™ Metal Detectable
Soft, all day comfort with metal detectability.
SLC_{80}: 23dB (Class 4)

Description	E-A-Rsoft Metal Detectable Regular (Corded)
Product Code	311-4106
Packaging	Polybag, 200 pairs/box, 10 boxes/case

Reusable Earplugs

Reusable earplugs are comfortable, hygienic and economical.

No sizing is required for these patented, pre-moulded, earplugs.

They are available in a variety of styles and protection levels and

with a joining cord to prevent loss.

Features and Benefits:

Comfortable
+ Comfortable triple flange tip is made of patented new polymer formation
+ Non-irritating

Convenient
+ Reusable and ready to use
+ No sizing
+ Bright blue cord helps prevent lost plugs

Effective
+ Innovative pistol grip with angled shape gives wearers improved fingertip control for insertion
+ SLC_{80}: 22dB (Class 4)

Compatible with
+ Designed to be compatible with other PPE
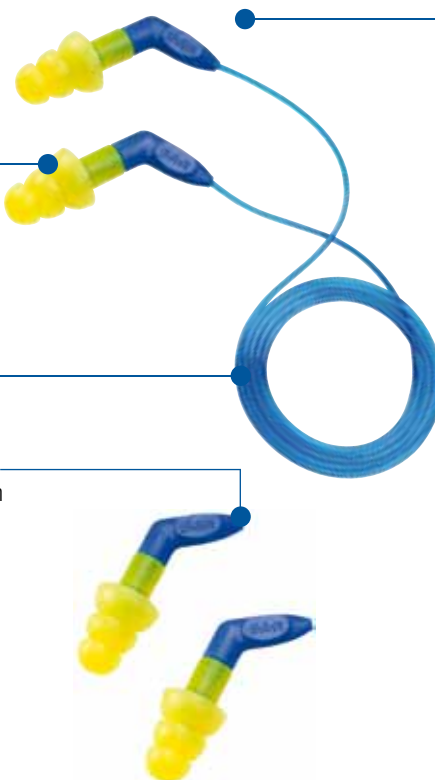
E-A-R™ Ultrafit™ 27

Description	E-A-R Ultrafit 27 (Corded)
Product Code	340-8002
Description	E-A-R Ultrafit 27 (Uncorded)
Product Code	340-8001
Packaging	Polybag, 4 pairs/case

E-A-R™ Ultrafit™
Premoulding delivers performance in a variety of work environments. Soft plastic material. Compatible with E-A-R Fit™ Validation System. SLC_{80}: 18dB (Class 3)

Description	E-A-R Ultrafit (Corded with case)
Product Code	340-4002
Packaging	Polybag, 50 pairs/box. 4 boxes/case
Description	E-A-R Ultrafit (Uncorded with case)
Product Code	340-4001
Packaging	Polybag, 50 pairs/box. 4 boxes/case
Description	E-A-R Ultrafit (Corded)
Product Code	340-4004
Packaging	Polybag, 100 pairs/box. 4 boxes/case

3M™ E-A-R™ Combat Arms
Insert the plugs yellow end for ambient "hear through" protection. In case of high level noise, filter helps suppress noise. Insert green end to provide constant protection from steady state noise.
SLC80: 17dB (Class 2) with green end
SLC80: 11dB (Class 1) with yellow end

Description	3M E-A-R Combat Arms
Product Code	370-1000
Packaging	50 pairs/case

E-A-R™ EZ-Ins™
The correct hygienic fitting is easy with the flexible fingertip stem of these pod earplugs. SLC_{80}: 20dB (Class 3)

Description	E-A-R EZ-Ins (Corded)
Product Code	350-4001
Description	E-A-R EZ-Ins (Uncorded)
Product Code	350-4000
Packaging	Polybag, 100 pairs/box, 4 boxes/case

E-A-R™ Ultrafit™ Plus
Features an insertion stem for ease of insertion. SLC80:19dB (Class 3)

Description	3M E-A-R Ultrafit Plus (Corded with case)
Product Code	340-6002
Packaging	Cased 50 pairs/box, 4 boxes/case

E-A-R™ Ultrafit™ Metal Detectable
Protection levels of the E-A-R Ultrafit coupled with metal detectability. Compatible with E-A-R Fit™ Validation System. SLC_{80}: 18dB (Class 3)

Description	E-A-R Ultrafit Metal Detectable (Corded)
Product Code	340-5007
Packaging	Polybag, 50 pairs/box. 4 boxes/case

E-A-R™ Banded Earplugs

E-A-R™ Banded Earplugs are easy to use, convenient and extremely comfortable. They are quick to put on and off and to store around the neck when not required, making them ideal for intermittent use. Banded earplugs offer simplicity to help ensure that your workers are receiving the right level of protection. Some models are available with replacement pods making them a more cost-effective option.

Features and Benefits:

Comfortable and Convenient

+ Neckband shape helps reduce contact with collars and headgear - reduces band sound transmission
+ Band slides forward and back for custom neck and ear positioning
+ Lightweight and durable plastic flexes/rebounds easily for frequent on-and-off wearing.

Versatile

+ Two tip choices for wearer preferences
+ FLEX 28 tip fits inside the ear canal
+ Comfort Pod fits inside the ear opening

Effective

+ SLC_{80}: 20dB with FLEX 28 Tips (Class 3)
+ SLC_{80}: 23dB with Comfort Pods (Class 4)
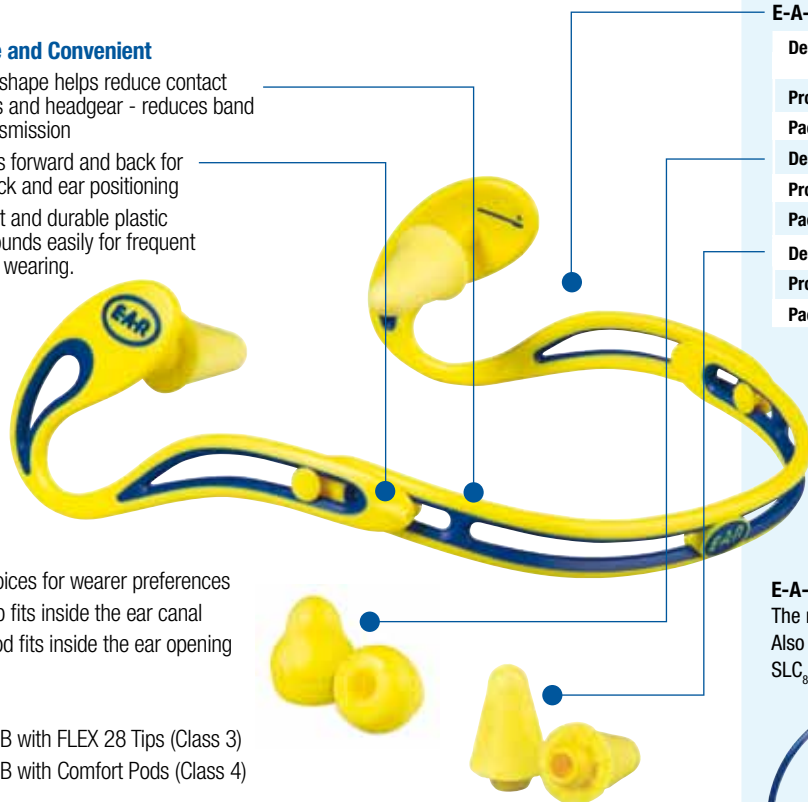
E-A-R™ Swerve™ Banded Earplugs

Description	Swerve Banded Earplugs with Comfort Pods & FLEX 28 Tips
Product Code	322-2000
Packaging	Polybag, 1 band/bag, 10 boxes/case
Description	Replacement Comfort Pods (Class 4)
Product Code	320-2001
Packaging	Polybag, 5 pairs/bag, 10 bags/case,
Description	Replacement FLEX28 tips (Class 3)
Product Code	320-1001
Packaging	Polybag, 5 pairs/bag, 10 bags/case

E-A-Rflex™

The multi-position banded earplugs with conical tips. Also available in a Metal Detectable version.
SLC_{80}: 15dB (Class 2) with foam tips

with Foam Pods   Metal Detectable with Premoulded Tips

Description	EARflex Banded Earplugs (includes EARflex Pods)
Product Code	350-3001
Packaging	Polybag, 1 band/bag, 10 boxes/case
Description	E-A-Rflex Metal Detectable Banded Earplugs (with Premoulded Tips)
Product Code	350-3101
Packaging	1 band/bag, 10 boxes/case
Description	EARflex Replacement Pods
Product Code	350-3002
Packaging	Polybag, 50 pairs/box, 10 boxes/case

E-A-R™ Caps™ 200

The banded earplugs with pod shaped insert.
SLC_{80}: 11dB (Class 1)

Description	E-A-RCaps 200 Banded Earplugs
Product Code	321-2101
Packaging	Polybag, 10 pairs/box, 10 boxes/case

E-A-R™ Caboflex™ 600

The banded earplugs with durable conical shaped insert.
SLC_{80}: 11dB (Class 1)

Description	Caboflex 600 Banded Earplugs
Product Code	320-2001
Packaging	Polybag, 10 pairs/box, 10 boxes/case

E-A-R™ One-Touch™ Dispenser and Refills

The E-A-R One-Touch Dispenser is a convenient way of storing and providing earplugs in the workplace where they are needed. It is designed to hold a variety of E-A-R earplug options. Each refill bottle holds up to 500 pairs of earplugs. Unobstructed access from front or side permits one hand operation by a clockwise or anticlockwise motion.

Features and Benefits:

+ Patented "No Waste Funnel" system ensures plugs drop directly into the palm, dispensing E-A-R disposable plugs every time.
+ Can be wall mounted or free standing
+ One gentle turn delivers earplugs correctly and consistently
+ Each refill bottle holds up to 500 pairs of earplugs
+ Base and dispensing unit are designed to be reused

E-A-R™ One-Touch™ Dispenser

Product Code	391-1000
Packaging	1 dispensing unit

E-A-R™ One-Touch™ Dispenser Refills

Description	E-A-Rsoft Yellow Neon, Regular Refills
Product Code	391-1004
Description	Classic Platinum Refills
Product Code	391-1007
Description	E-A-Rsoft Yellow Neon, Large Refills
Product Code	391-1008
Description	Classic Superfit 30
Product Code	391-1009
Description	E-A-Rsoft Superfit , Regular Refills
Product Code	391-1254

Packaging	500 pairs/refill, 4 refills/case

Peltor Earmuffs and Earmuffs with Communications

The optimal solution

Peltor's line of earmuffs incorporates all the acoustic engineering, wearer-focused design, and performance versatility that have made Peltor the leading name in earmuff protectors for over 50 years.

In addition to our extensive range of passive earmuffs, Peltor is a world leader in the field of communication solutions for noisy environments. Our hearing protection with communication range includes earmuffs with level dependent function, some with FM and AM radio, and others with two-way communication capabilities and wireless solutions.

Easy to replace hygiene kits with two attenuating cushions and snap-in sealing rings are available for most Peltor earmuff models.

Peltor earmuffs have been tested to the Australian/New Zealand Standard AS/NZS 1270. See page 27 for attenuation data for all earmuffs listed in this catalogue

Multi-position designs are available for many models in headband, neckband, *helmet-attachable and folding models to meet virtually every application need and wearer preference.

Liquid & foam filled cushions and broad, soft rings are the ultimate for a better seal (even with eyewear) and better comfort.

Padded wide headband with four point steel suspension band cushions head while suspension distributes consistent pressure throughout the life of the product. Stainless steel construction resists bending and warping.

Earcup pivot points allow wearers to tilt and adjust earcups for optimum comfort and efficiency.

*Peltor Helmet Attachments Guide

Helmet Manufacturer	Helmet Model	Peltor Product Codes Includes
MSA	Super V-Gard II	P3E
MSA	V-Gard	P3E
Protector	Elite 300	P3E
Protector	Style 600	P3G
Protector	Tuffmaster II	P3E or P3G
Unisafe	Unilite	P3G

Peltor™ H10 Series - Extreme Performance Earmuffs

The H10 Series is a high performance hearing protector and has been developed for use in extremely noisy environments. The protection is based on a technology with a double casing minimising resonance in the casing giving optimum high-frequency attenuation. An acoustic connection between the inner and outer casings provides maximum low-frequency attenuation. The sealing rings are broad and filled with soft plastic foam for the best fit and low contact pressure.

The H10 Series stands for effective protection and highest comfort for the wearer. This product is also available in neon yellow for workers who need hearing protection to be extra visible – on road construction sites, airports or other high-risk workplaces.

Features and Benefits:

Comfortable
+ Generous inside depth helps the ears to rest comfortably
+ Broad sealing rings
+ Sealing rings contain liquid and foam for the best fit and low contact pressure

Effective
+ Very high attenuation
+ Unique band design, stainless steel wire for constant pressure over long periods of use
+ Double casing that minimises resonance and provides maximum low-frequency attenuation

Versatile
+ Various versions available to fit any situation : foldable, neckband, high visibility, helmet mounted versions

H10 Series Headband

Description	H10 Series Headband
Product Code	H10A
Packaging	1 pair/box, 10 boxes/case

SLC_{80}: 33dB (Class 5)

H10 Series Neckband
No headband for a complete compatibility with other head worn PPE equipment
SLC_{80}: 34dB (Class 5)

Description	H10 Series Neckband
Product Code	H10B
Packaging	1 pair/box, 10 boxes/case

H10 Series Hi-Viz Headband
For workers in need of extra visibility, for example road workers and ground handling staff at airports.
SLC_{80}: 33dB (Class 5)

Description	H10 Series Hi-Viz Headband
Product Code	H10A HV
Packaging	1 pair/box, 10 boxes/case

H10 Series Helmet Attachment
Various versions for different safety helmets. (See page 14)
SLC_{80}: 33dB (Class 5)

Product Code	H10P3E or H10P3G
Packaging	1 pair/box, 10 boxes/case

Hygiene Kit

Description	H10 Model Kit
Product Code	HY10
Packaging	1 kit/bag, 20 bags/case

Peltor™ H7 Series - Deluxe Earmuffs

The H7 Series has been developed for demanding noisy environments with increased low frequency attenuation. The sealing rings are filled with a unique combination of liquid and foam. The result is an optimum seal with low contact pressure, which provides agreeable comfort even during long-term use. The H7 Series is a suitable choice for typical environments with substantial industrial noise or construction machinery, airports and agricultural work. The product is also available in di-electric version without visible metal parts.

Features and Benefits:

Comfortable
+ Generous inside depth helps the ears to rest comfortably
+ Soft and wide sealing rings filled with a unique combination of foam and liquid to offer optimum sealing and low pressure
+ Sealing rings with ventilation channels and covered with soft, patterned hygienic foil

Effective
+ High attenuation despite lightness and low profile
+ Unique band design, stainless steel wire for constant pressure over long periods of use

Versatile
+ Various versions available to fit any situation: headband, neckband, foldable, helmet mounted versions

H7 Series Headband

Description	H7 Series Headband
Product Code	H7A
Description	H7 Series Headband, Di-electric
Product Code	H7A-02
Packaging	1 pair/box, 10 boxes/case

SLC_{80}: 30dB (Class 5)

H7 Series Neckband
No headband for complete compatibility with other head worn PPE equipment.
SLC_{80}: 28dB (Class 5)

Description	H7 Series Neckband
Product Code	H7B
Description	H7 Series Neckband, Di-electric
Product Code	H7B-01
Packaging	1 pair/box, 10 boxes/case

H7 Series Folding Headband
Easy-to-store solution
SLC_{80}: 31dB (Class 5)

Description	H7 Series Folding Headband
Product Code	H7F
Description	H7 Series Folding Headband Hi-Viz Model
Product Code	H7F-HV
Packaging	1 pair/box, 10 boxes/case

H7 Series Helmet Attachment
Various versions for different safety helmets (See page 14)
SLC_{80}: 30dB (Class 5)

Product Code	H7P3E or H7P3G
Packaging	1 pair/box, 10 boxes/case

Hygiene Kit

Description	H7 Model Kit
Product Code	HY7
Packaging	1 kit/bag, 20 bags/case

Peltor™ H6 Series - Low Profile Earmuffs

The H6 Series is specially engineered for high comfort and continuous wear. They provide effective noise protection for daily exposures up to 105dB(A). The foam sealing rings provide a quality noise seal with low pressure for all day wearer comfort.

Features and Benefits:

Comfortable
+ Low profile and light (132g) to make it easy to team with other equipment.
+ Stainless steel headband wires with four point suspension help distribute cushion pressure evenly

Effective
+ Good attenuation coupled with light weight low profile design
+ Earcups pivot for consistent fit

Versatile
+ Various versions available to fit any situation: headband, neckband, foldable, helmet mounted versions

H6 Series Headband

Description	H6 Series Headband
Product Code	H6A
Packaging	1 pair/box, 10 boxes/case

SLC_{80}:22dB (Class 4)

H6 Series Neckband
No headband for complete compatibility with other head worn PPE equipment.
SLC_{80}: 22dB (Class 4)

Description	H6 Series Neckband
Product Code	H6B
Packaging	1 pair/box, 10 boxes/case

H6 Series Folding Headband
Easy store solution.
SLC_{80}: 23dB (Class 4)

Description	H6 Series Folding Headband
Product Code	H6F
Packaging	1 pair/box, 10 boxes/case

H6 Series Helmet Attachment
Various versions for different safety helmets (See page 14)
SLC_{80}: 22dB (Class 4)

Product Code	H6P3E or H6P3G
Packaging	1 pair/box, 10 boxes/case

Hygiene Kit

Description	H6 Model Kit
Product Code	HY5
Packaging	1 kit/bag, 20 bags/case

Peltor™ H9 Series - Select Performance Earmuffs

The H9 Series offers versatile protection and is very lightweight providing high wearer comfort. It combines a low profile with generous inner depth which makes it easy to combine with other equipment, allowing the ear to rest comfortably. H9 Series earmuffs are your choice for both short and long duration tasks. The wide, comfortable sealing rings are filled with a unique combination of fluid and foam, which gives optimum sealing and low contact pressure at the same time. It is ideal for use in environments with moderate industrial noise, such as workshops, sheet-metal shops and printing works, but also suitable outdoors, such as lawn mowing or in connection with hobby and leisure activities.

Features and Benefits:

Comfortable

+ Extremely low profile and light (220g) to make it easy to team with other equipment
+ Generous inside depth to help the ears rest comfortably
+ Soft and wide sealing rings filled with a unique combination of foam and liquid to offer optimum sealing and low pressure

Effective

+ High attenuation despite lightness and low profile
+ Unique band design, stainless steel wire for constant pressure over long periods of use

Versatile

+ Various versions available to fit any situation: headband, neckband, helmet mounted versions

H9 Series Headband

Description	H9 Series Headband
Product Code	H9A
Packaging	1 pair/box, 10 boxes/case

SLC_{80}:24dB (Class 4)

H9 Series Neckband
No headband for complete compatibility with other head worn PPE equipment
SLC_{80}:24dB (Class 4)

Description	H9 Series Neckband
Product Code	H9B
Description	H9 Series Neckband, Di-electric
Product Code	H9B-01
Packaging	1 pair/box, 10 boxes/case

Hygiene Kit

Description	H9 Model Kit
Product Code	HY5
Packaging	1 kit/bag, 20 bags/case

H9 Series Helmet Attachment
Various versions for different safety helmets (See page 14)
SLC_{80}: 24dB (Class 4)

Product Code	H9P3E or H9P3G
Packaging	1 pair/box, 10 boxes/case

Peltor™ Push to Listen™ Earmuff

Peltor Push to Listen (PTL) is the only earmuff that lets workers listen safely without removing their muffs. Just push the button on the PTL muff and speech and sounds "outside" the muff cup can be heard "inside" – clearly and safely. After 30 seconds, the muff automatically returns to its protection. To listen again, just push again. It's that simple. To listen with standard earmuffs, many workers lift their earcups or remove their muff completely. This exposes them to the dangerous noise. The Push To Listen feature is in one earcup only. Other cup is standard protection style

Features and Benefits:

Comfortable
+ Padded, wide headband with four-point steel suspension improves "hold" with less pressure
+ Patented liquid and foam filled cushions for optimum seal and comfort

Convenient
+ On/off listening button with fingertip control
+ Battery compartment designed for easy access

Versatile
+ Pivoting earcups tilt to easily fit most facial profiles

Effective
+ SLC_{80}: 27 db (Class 5)

Peltor™ Push to Listen™ Earmuff

Description	PTL Headband
Product Code	H7A-PTL
Packaging	1 pair/box, 10 boxes/case
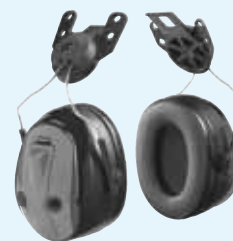
Peltor™ Push to Listen™ Helmet Attached Earmuff

Description	PTL Helmet Attached
Product Code	H7P3E-PTL
Packaging	1 pair/box, 10 boxes/case

Hygiene Kit

Description	H9 Model Kit
Product Code	HY5
Packaging	1 kit/bag, 20 bags/case

Operating Time

Approximately 270 hours with AA batteries

Peltor™ Kid™ Earmuffs

Children's hearing is extremely sensitive and they have very little protection against harmful noise levels. Peltor Kid hearing protectors can attenuate harmful noise levels without completely shutting out other ambient sounds. These muffs are recommended for use by children up to age seven. Peltor Kid comes in two characteristic colours – neon pink and neon green – for high visibility and fun.

Features and Benefits:

Comfortable

+ Wide, comfortable sealing rings are filled with a unique combination of fluid and foam, which gives optimum sealing and low contact pressure, ensuring the best possible comfort even during long periods of use.

Effective

+ Easy to wear, low profile muff
+ Attenuation: Tested to EN352-1, SNR 27dB (Certified to European Standard)

Description	Peltor Kid headband, Neon Pink
Product Code	H510AK-442-RE
Description	Peltor Kid headband, Neon Green
Product Code	H510AK-442-GB

Peltor™ Lite-Com™ III
Built-in Two-way Communication Earmuffs

The Lite-Com III system delivers high noise attenuation with added two-way communications capability. A radio built into the shell provides effective and effortless short-range two-way communication. The Lite Com III operates on 69 channels in 433MHz band ensuring targeted communication for groups. A built-in active-sound function lets you hear ambient sound; warning signals, machine sounds, conversation, etc. Weak sounds can be amplified, so you hear them better than you would without hearing protectors. Sudden impulse noises at harmful levels are immediately attenuated.

Features and Benefits:

Comfortable
+ Individually sprung stainless steel headband provides and even and consistent distribution of pressure around the ears
+ Contoured cushions provide enhanced slip resistance and reliable seal

Convenient
+ LCD display to visualise advanced and standard settings
+ An electronic voice in the receiver tells you what settings you are adjusting, so you don't have to take off the headset to check

Effective
+ SLC_{80}: 31dB (Class 5)
+ Unused, Lite-Com III switches off automatically after two hours to save the batteries

Compatible with
+ Separate PTT button for the auxiliary input, where a mobile phone or external com radio can be connected

Peltor™ Lite-Com™ III Headband

Description	Lite-Com III Headband
Product Code	MT53H7A430B

Peltor™ Lite-Com™ III Neckband

SLC_{80}:30dB (Class 5)

Product Code	MT53H7B430B

Hygiene Kit

Product Code	HY79

Operating Time

Approximately 21 hours with AA batteries

Peltor™ Lite-Com™ III Helmet Attachment
SLC_{80}: 20dB (Class 3)

Product Code	MT53H7P3E430B

Peltor™ Tactical™ XP Headset
Electronic Level Dependent Hearing Protector

With a new revolutionary digital circuit, Tactical XP allows the user to be extremely selective of what the wearer wants to hear. Tactical XP is equipped with the following functions: volume for the level dependent function, balance, adjustable release time, equaliser and volume for external input. With these new functions and features the user is able to adjust the level dependent function to better suit a particular environment or situation. A ghost voice guides the user in the menu system. Tactical XP is available as a headset, wired or wireless (Bluetooth™)

Features and Benefits:

Comfortable
+ Soft padded head band with wires of stainless steel
+ Contoured cushions provide enhanced slip resistance and a reliable seal
+ High Attenuating shells

Convenient
+ Available as headset
+ Ghost voice guidance
+ Equaliser and volume for for external input
+ Automatic shut off after two hours
+ Low battery indicator

Effective
+ SLC_{80}: 28dB (Class 5)
+ Level dependent function

Compatible with
+ DECT and mobile phones
+ Communication radios
+ Configurations: headband & neckband with Bluetooth™

Peltor™ Tactical™ XP Folding Headband

Description	Tactical XP Folding Headband
Product Code	MT1H7F2

Peltor™ Tactical™ XP Neckband
No headband for complete compatibility with other head worn PPE.
SLC_{80}: 28dB (Class 5)

Description	Tactical XP Neckband
Product Code	MtlH7B2

Hygiene Kit

Product Code	HY79

Operating Time
Approximately 1000 hours with AA batteries

Peltor™ Pro-Tac™ II
Electronic Level Dependent Earmuff

With the Pro-Tac II, you are not shut off from the environment, which can be both dangerous and inconvenient. Level dependent function in stereo 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.

Features and Benefits:

Comfortable

+ Individually sprung stainless steel headband provides and even and consistent distribution of pressure around the ears
+ Contoured cushions provide enhanced slip resistance and a reliable seal
+ High Attenuating shells
+ Plenty of space for the ear

Convenient

+ Easy accessible control buttons
+ Last setting is stored when switched off
+ Audio jack for external radio

Effective

+ SLC_{80}: 30dB (Class 5)
+ Automatic shut-off after two hours if no function is used
+ Warning signal when power is low, before shut-off

Compatible with

+ Other head worn PPE

Peltor™ Pro-Tac™ II Headband

Description	Pro-Tac II Headband
Product Code	MT15H7A2-SV

Peltor™ Pro-Tac™ II Neckband

No headband for complete compatibility with other head worn PPE equipment.
SLC_{80}: 29dB (Class 5)

Description	Pro-Tac II Neckband
Product Code	MT15H7B2-SV

Hygiene Kit

Product Code	HY79

Operating Time

Approximately 1000 hours with AA batteries

Peltor™ SportTac™
Electronic Level Dependent Earmuffs

SportTac™ earmuffs are developed specifically for hunting and sports shooting. The smooth, level dependent function eliminates abrupt sound cut-off. They protect against harmful impulse noises while letting in, and even amplifying, ambient sounds. Interchangeable shells make it easy to change colour.

Features and Benefits:

Comfortable
+ Lightweight, only 318g

Convenient
+ Collapsible for easy storage
+ Equipped with automatic shut-off function
+ Level dependent function that lets you hear ambient sound, conversation and warning signals

Effective
+ SLC_{80}: 24dB (Class 4)

Versatile
+ Designed to be compatible with other PPE
+ Audio input jack for external radio

Peltor™ SportTac™
Hunting Model Folding Headband

Description	SportTac Hunting Model Folding Headband
Product Code	MT16H210F-478-GN
Packaging	1 pair of orange and green shells included

Peltor™ SportTac™
Shooting Model Folding Headband
This model shares the features and benefits of the Hunting Model, but offers different coloured replacement shells. SLC_{80}: 24dB (Class 4)

Description	SportTac Shooting Model Folding Headband
Product Code	MT16H210F-478-RD
Packaging	1 pair of red and black shells included

Operating Time

Approximately 600 hours with AAA batteries

Peltor™ Workstyle Solutions

Peltor Worskstyle Solutions earmuffs protect your hearing effectively and at the same time you can enjoy listening to the radio. All models feature a short, flexible antenna that provides excellent reception. This range includes a Bluetooth™ option.

Features and Benefits:

Comfortable
+ Headband wires of stainless steel
+ Contoured cushions provide enhanced slip resistance and a reliable seal
+ High Attenuating shells

Convenient
+ Easily accessible control buttons for FM-radio
+ AM/FM switch to choose your radio reception

Effective
+ SLC_{80}: 30dB (Class 5)

Peltor™ Worktunes II Headband

Description	Worktunes II Headband
Product Code	HRX52A-290-SV-GU

Peltor™ Worktunes™ Plus

Level dependent earmuff with AM & FM radio provides comfortable, effective protection from harmful noise. Also, its level dependent function attenuates loud noises while amplifying weak ones. Has easy-to-handle volume control knobs for radio and level dependent function.
Bluetooth™ version also available.
SLC_{80}: 300dB (Class 5)

Description	Worktunes Plus Headband
Product Code	M2RX7A-290
Description	WS Alert Bluetooth Headband
Product Code	M2RX7AWS4

Peltor™ FM Radio Earmuff
Designed for people who work outdoors in forestry, landscaping, mowing lawns, hobbies, etc. Extra wide, soft padded headband distributes weight while two-point suspension exerts low pressure for comfortable, long-term use. SLC_{80}: 30dB (Class 5)

Description	FM Radio Earmuff Headband
Product Code	HTRXS7A2

Hygiene Kit

Description	H79 Model Kit
Product Code	HY79

Operating Time
Approximately 100 hours with AA batteries

3M™ Noise Indicator NI-100

The 3M Noise Indicator alerts users to potentially dangerous noise levels, helping identify areas where hearing protection may need to be worn. Users simply clip the Noise Indicator to a shirt or jacket; its LED delivers a clear indication when noise levels exceed a potentially hazardous threshold. The Noise Indicator's small size and lightweight design make it ideal for workers in a variety of industries.

The NI-100 can also be used as an effective training tool within a Noise Management Program and to help ensure workers know when and where to wear hearing protection. Occupational hygienists and/or safety officers can also use it as a mapping tool to determine where noise studies are necessary.

Features and Benefits:

Red flashing LED: Noise levels are equal to or above 85 dBA* - hearing protection may be required

Green flashing LED: Noise levels are below 85 dBA* - hearing protection may not be necessary

3M™ Noise Indicator

Product Code	NI-100
Packaging	1/pack, 10 packs/case

+ Lightweight (17g) and compact (51mm L x 36mm W x 13mm D)
+ Made of durable polycarbonate
+ Includes rechargeable lithium poly battery that operates for up to 200 hours between charges
+ A mini-USB cable (sold separately) charges the noise indicator through a USB port on your computer

* Accuracy +/- 3 dB'

3M™ Noise Indicator USB Cable Charger

Product Code	I-CHG
Packaging	1/pack, 10 packs/case

Attenuation Data

No Roll Down Earplugs

E·A·R Push-Ins™ with Grip Rings (Corded & Uncorded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	24.4	24.3	25.7	28.6	33.8	37.0	39.8
Standard Deviation dB	5.9	5.0	6.0	6.5	3.4	5.7	8.8

SLC_{80}: 26dB Class 5

E·A·R Push-Ins™ (Corded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	25.4	24.0	24.7	25.9	34.2	36.0	37.0
Standard Deviation dB	9.1	8.2	8.4	7.4	4.8	4.7	5.7

SLC_{80}: 23dB Class 4

E·A·R Express™ (Corded & Uncorded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	19.3	19.2	19.6	21.4	30.6	32.3	35.4
Standard Deviation dB	8.3	7.6	8.4	5.0	5.3	4.5	5.0

SLC_{80}: 19dB Class 3

Disposable Earplugs

E·A·R Taperfit™ 2 Uncorded

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	23.6	24.6	28.2	29.7	34.9	44.2	45.3
Standard Deviation dB	6.9	8.8	8.7	7.3	4.5	5.2	7.7

SLC_{80}: 26dB Class 5

E·A·R Taperfit™ 2 Corded

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	26.2	26.2	28.2	27.9	35.5	46.6	46.9
Standard Deviation dB	5.9	6.1	6.8	6.2	3.4	5.5	3.5

SLC_{80}: 26dB Class 5

E·A·R E-A-Rsoft™ FX (Corded & Uncorded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	28.5	27.3	28.3	28.5	36.0	45.2	46.7
Standard Deviation dB	6.5	5.3	6.7	6.8	4.8	6.5	6.4

SLC_{80}: 26dB Class 5

E·A·R Classic™ Uncorded

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	19.8	20.6	27.8	27.4	31.0	38.7	41.2
Standard Deviation dB	9.2	8.6	7.3	8.7	6.3	6.1	9.2

SLC_{80}: 23dB Class 4

E·A·R Classic™ (Corded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	19.0	19.0	25.1	23.9	30.7	37.0	39.3
Standard Deviation dB	6.7	5.1	7.9	7.5	6.9	5.5	9.0

SLC_{80}: 21dB Class 3

E·A·R Classic™ Platinum

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	19.8	20.5	27.0	28.5	30.4	38.1	40.9
Standard Deviation dB	6.3	6.6	8.8	7.9	6.6	5.5	5.6

SLC_{80}: 23dB Class 4

E·A·R Classic™ Superfit™30 (Uncorded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	21.7	22.9	25.2	25.2	31.9	40.6	39.4
Standard Deviation dB	7.8	7.3	7.8	6.5	4.8	5.5	8.9

SLC_{80}: 23dB Class 4

E·A·R Classic™ Superfit™30 (Corded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	19.4	21.2	23.6	23.6	30.9	39.4	40.3
Standard Deviation dB	6.9	5.5	5.6	5.7	4.8	4.9	8.5

SLC_{80}: 22dB Class 4

E·A·R E-A-Rsoft™ Superfit™ (Uncorded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	25.9	25.9	28.1	28.1	33.8	46.3	46.3
Standard Deviation dB	8.2	8.7	9.8	8.1	5.2	5.4	5.7

SLC_{80}: 24dB Class 4

Disposable Earplugs (continued)

E·A·R E-A-Rsoft™ Superfit™ (Corded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	27.3	27.0	28.8	28.0	33.2	46.2	46.6
Standard Deviation dB	8.7	9.5	9.5	8.9	5.8	4.0	4.4

SLC_{80}: 24dB Class 4

E·A·R E-A-Rsoft™ Yellow Neons (Corded & Uncorded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	21.9	22.2	24.5	25.7	31.3	42.7	42.5
Standard Deviation dB	8.1	7.4	7.7	6.2	4.8	5.5	7.9

SLC_{80}: 23dB Class 4

E·A·R E-A-Rsoft™ Metal Detectable

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	21.9	22.2	24.5	25.7	31.3	42.7	42.5
Standard Deviation dB	8.1	7.4	7.7	6.2	4.8	5.5	7.9

SLC_{80}: 23dB Class 4

Reusable Earplugs

E·A·R Ultrafit™27 (Corded & Uncorded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	23.3	22.6	24.2	28.0	33.6	35.0	41.5
Standard Deviation dB	7.4	7.5	8.0	8.3	8.2	10.4	9.4

SLC_{80}: 22dB Class 4

E·A·R Ultrafit™ (Corded & Uncorded) & Metal Detectable

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	19.1	18.9	21.2	20.5	28.9	32.1	36.3
Standard Deviation dB	8.1	8.1	9.3	5.7	6.8	10.6	11.0

SLC_{80}: 18dB Class 3

E·A·R EZ-Ins™ (Corded & Uncorded)

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	18.7	19.5	21.2	23.6	29.0	34.3	38.0
Standard Deviation dB	8.4	8.6	7.1	5.9	5.5	7.4	7.9

SLC_{80}: 20dB Class 3

Banded Earplugs

E·A·R Swerve™ with FLEX™ 28 Tips

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	24.7	24.6	21.7	23.5	31.8	36.0	36.2
Standard Deviation dB	10.0	10.1	7.0	7.5	6.7	7.2	8.9

SLC_{80}: 20dB Class 3

E·A·R Swerve™ with Comfort Pods

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	25.6	23.5	21.4	23.7	33.5	37.4	39.7
Standard Deviation dB	8.2	8.3	5.9	4.3	4.6	7.0	6.9

SLC_{80}: 23dB Class 4

E·A·R E-A-Rflex™ Foam Tips

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	14.7	12.8	17.0	19.4	27.2	33.1	32.6
Standard Deviation dB	11.5	8.7	7.5	7.9	8.3	6.7	13.1

SLC_{80}: 15dB Class 2

E·A·R E-A-Rflex™ Metal Detectable

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	19.0	15.2	19.5	19.3	23.3	25.2	32.6
Standard Deviation dB	9.6	6.2	7.4	7.4	8.5	8.9	8.6

SLC_{80}: 15dB Class 2

E·A·R Caboflex™ 600

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	9.6	11.2	13.3	17.2	23.1	29.3	29.1
Standard Deviation dB	9.2	10.1	9.2	7.8	7.3	6.9	11.1

SLC_{80}: 11dB Class 1

Attenuation Data

PELTOR H10A Headband & Hi Viz Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	17.9	23.4	35.1	40.6	35.1	41.8	40.4
Standard Deviation dB	3.2	2.6	2.6	4.5	3.5	3.4	3.7

SLC_{80}: 33dB Class 5

PELTOR H10B Neckband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	17.0	24.0	35.2	40.1	36.4	41.1	38.6
Standard Deviation dB	2.7	3.4	3.3	3.2	2.9	2.9	3.7

SLC_{80}: 34dB Class 5

PELTOR H10P3E & H10P3G Helmet Attachment

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	17.6	23.5	35.0	40.5	35.0	41.7	41.3
Standard Deviation dB	2.9	3.1	3.9	3.3	2.2	3.1	3.2

SLC_{80}: 33dB C lass 5

PELTOR H7A Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	12.6	20.1	32.1	35.8	36.3	39.1	39.8
Standard Deviation dB	2.8	4.1	4.2	4.1	4.7	2.5	4.0

SLC_{80}: 30dB Class 5

PELTOR H7B Neckband & Di-electric Neckband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	10.5	18.9	30.0	34.6	35.7	38.7	39.8
Standard Deviation dB	3.4	3.9	5.3	4.5	6.3	4.4	4.2

SLC_{80}: 28db Class 5

PELTOR H7F Folding Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	13.4	20.7	31.9	35.9	37.3	39.0	38.9
Standard Deviation dB	2.7	3.3	3.5	2.5	5.1	2.8	4.5

SLC_{80}: 31db Class 5

PELTOR H7P3E & H7P3G Helmet Attachment

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	17.9	23.4	35.1	40.6	35.1	41.8	40.4
Standard Deviation dB	3.2	2.6	2.6	4.5	3.5	3.4	3.7

SLC_{80}: 33db Class 5

PELTOR H6A Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	9.6	9.8	21.1	31.0	27.2	31.6	29.7
Standard Deviation dB	4.2	3.3	3.6	3.1	4.1	2.9	3.8

SLC_{80}: 22db Class 4

PELTOR H6B Neckband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	10.1	10.9	20.7	30.5	29.6	32.2	30.0
Standard Deviation dB	4.0	4.2	4.1	3.6	4.5	3.5	5.0

SLC_{80}: 22dB Class 4

PELTOR H6F Folding Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	10.0	10.4	22.4	31.8	31.9	31.3	32.0
Standard Deviation dB	3.5	3.6	3.1	3.9	5.2	3.8	3.3

SLC_{80}: 23dB Class 4

PELTOR H6P3E & H6P3G Helmet Attachment

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	9.6	10.7	20.2	29.9	32.3	33.1	30.4
Standard Deviation dB	3.4	3.7	4.1	2.6	5.4	3.2	2.9

SLC_{80}: 22dB Class 4

PELTOR H9A Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	8.2	12.8	25.3	33.6	28.9	30.1	32.3
Standard Deviation dB	3.8	3.9	4.1	3.7	3.5	3.1	5.4

SLC_{80}: 24dB Class 4

PELTOR H9B Neckband & Di-electric Neckband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	9.6	13.2	23.3	33.3	32.1	31.9	31.8
Standard Deviation dB	3.8	3.4	5.3	5.3	5.3	3.0	3.8

SLC_{80}: 24dB Class 4

PELTOR H9F Folding Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	11.5	13.8	24.6	34.8	32.1	31.3	30.6
Standard Deviation dB	2.9	3.3	2.9	3.4	5.5	4.0	4.0

SLC_{80}: 25dB Class 4

PELTOR H9P3E & H9P3G Helmet Attachment

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	9.9	13.2	23.5	31.3	33.8	31.3	29.6
Standard Deviation dB	2.9	4.2	3.5	3.5	3.5	3.4	4.2

SLC_{80}: 24dB Class 4

PELTOR Kid's Series- both models

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	11.6	18.7	27.5	32.9	33.6	36.1	35.8
Standard Deviation dB	4.2	3.6	2.5	2.7	3.4	3.0	3.8

SNR 27dB (Certified to European Standard EN352)

PELTOR Lite-Com III Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	13.4	18.6	24.8	30.6	29.5	36.7	37.9
Standard Deviation dB	3.9	3.7	6.2	4.0	5.9	5.1	5.1

SLC_{80}: 25dB Class 4

PELTOR Lite-Com III Helmet Attachment

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	8.5	14.2	19.9	26.1	25.9	32.2	29.3
Standard Deviation dB	4.9	5.3	6.5	3.3	5.7	5.7	7.9

SLC_{80}: 20dB Class 3

PELTOR Tactical XP – Headband & Folding Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	13.6	18.2	29.4	32.0	35.3	35.8	37.9
Standard Deviation dB	5.4	4.5	4.2	3.3	2.9	3.1	5.6

SLC_{80}: 28dB Class 5

PELTOR Pro Tac II Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	16.2	21.7	29.7	34.0	35.3	34.8	37.5
Standard Deviation dB	4.9	4.9	4.3	2.4	2.9	3.0	3.0

SLC_{80}: 30dB Class 5

PELTOR Pro Tac II Neckband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	15.9	21.2	28.5	32.9	35.4	33.2	35.5
Standard Deviation dB	3.8	3.5	4.9	4.8	2.9	2.0	3.3

SLC_{80}: 29dB Class 5

PELTOR SportTac Shooting & Hunting Folding Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	10.5	15.0	23.9	25.3	30.9	38.7	40.2
Standard Deviation dB	3.0	4.3	3.9	4.1	4.2	3.2	6.4

SLC_{80}: 24dB Class 4

PELTOR H7 Push to Listen Headband & Hi-Viz Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	15.1	22.4	30.9	36.8	35.8	34.8	35.2
Standard Deviation dB	4.3	2.9	4.5	4.3	3.8	3.6	3.8

SLC_{80}: 30dB Class 5

PELTOR Worktunes II & FM Radio Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	13.3	22.1	31.6	39.4	35.3	44.3	38.2
Standard Deviation dB	2.4	4.5	6.5	5.7	4.5	4.4	7.0

SLC_{80}: 30dB Class 5

PELTOR Worktunes Plus Headband

Frequency	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	14.8	21.9	29.2	33.2	31.2	37.8	37.5
Standard Deviation dB	3.5	4.4	4.7	3.3	4.0	5.9	5.3

SLC_{80}: 28dB Class 5

Hearing Protection Use and Care

Disposable Earplugs

How to use

Slowly roll and compress foam earplugs into a very thin cylinder. While compressed, insert the earplug well into the ear canal. Fitting is easier if you reach around the head to pull the ear outward and upward during insertion.

Care and cleaning

Keep the earplugs clean and free from material that can irritate the ear canal.

## Reusable Pre Moulded Earplugs

Reach around the back of your head and pull upward on the ear while inserting the plug until you feel it sealing. This may seem tight at first, especially if you have never worn earplugs.

Pre-moulded earplugs could last several months depending on the type and on your work environment, hygiene and body chemistry. They should be replaced if they shrink, harden, tear, crack or become permanently deformed. Wash them in warm soapy water and rinse well. When dry, store them in a carrying case.

Banded Earplugs
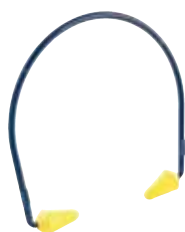
Hold the large ends of the pods and swivel them to direct the tips into the ear canal openings. Firmly push and wiggle the pods into the ear canal until a snug seal is obtained. Pulling on the outer ear while pushing the pods will be helpful to most wearers.

Most semi-aural hearing protectors can be cleaned in the same way as pre-moulded earplugs. Since the band holds the tips in place to provide an acoustic seal, do not tamper with it otherwise the protection afforded by the device may be reduced.
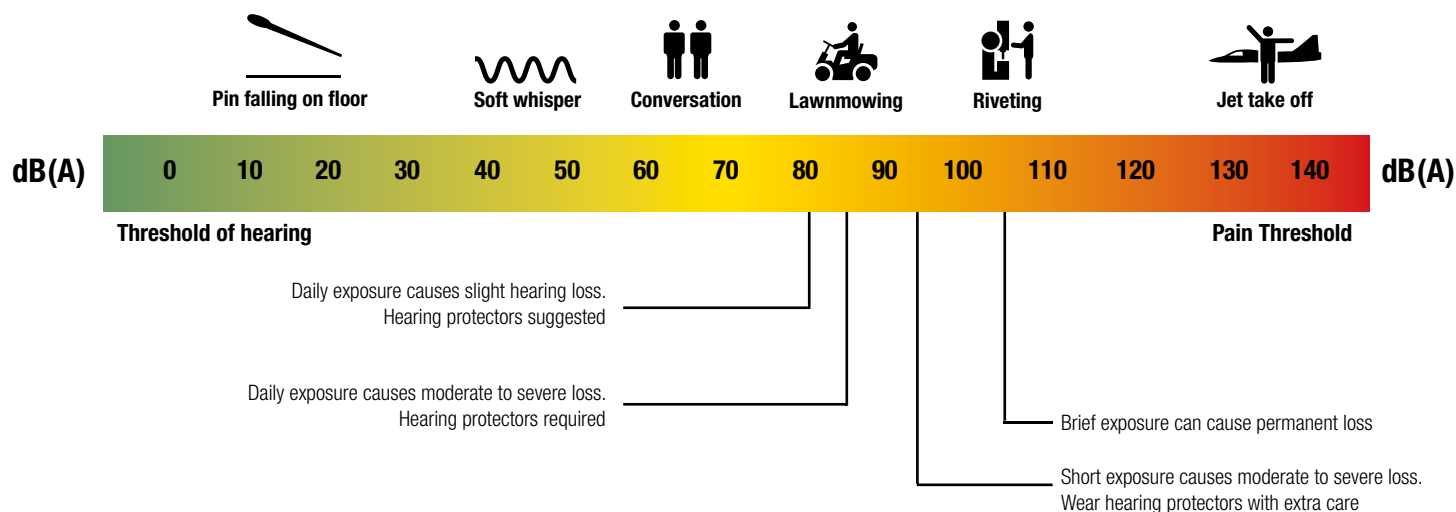
Earmuffs

Earmuffs must fully enclose the ears to seal against the head. Adjust the headband so cushions exert even pressure around the ears to get the best noise reduction. Pull hair back and out from beneath the cushions. Do not wear caps, store pencils behind the ear or anything that may break the seal.

Cushions can be cleaned with warm soapy water and rinsed thoroughly. Do not use alcohol or solvents. Cushions normally need replacing at least twice a year or more – whenever they become stiff, cracked, or do not seal. Do not modify earmuffs in any way, and especially do not stretch or abuse the headband as this will reduce protection.

Easy To Damage - Easy To Protect

	Pin falling on floor		Soft whisper	Conversation	Lawnmowing		Riveting		Jet take off

dB(A)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	dB(A)

Threshold of hearing   **Pain Threshold**

Daily exposure causes slight hearing loss.
Hearing protectors suggested

Daily exposure causes moderate to severe loss.
Hearing protectors required

Brief exposure can cause permanent loss

Short exposure causes moderate to severe loss.
Wear hearing protectors with extra care

100% Usage

Damage to hearing depends not only on the actual noise level but also exposure time.
Just five minute's carelessness during an eight-hour day can potentially lead to lifelong hearing loss.
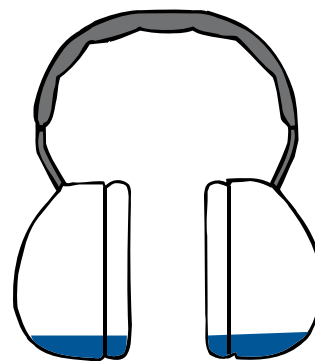
That's why 100% usage is critical in noisy environments if you are to get the protection that the chosen hearing protector provides.
Choose a comfortable hearing protector that suits you and your needs.
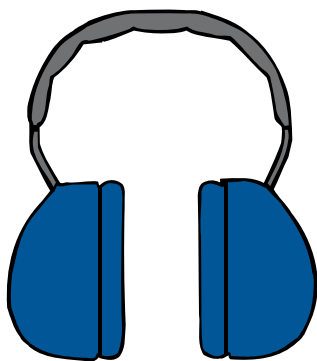
100% usage.
Gives the expected protection.
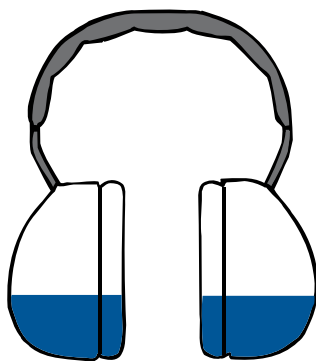
99% usage.
Just five minute's carelessness per
day significantly reduces the effect
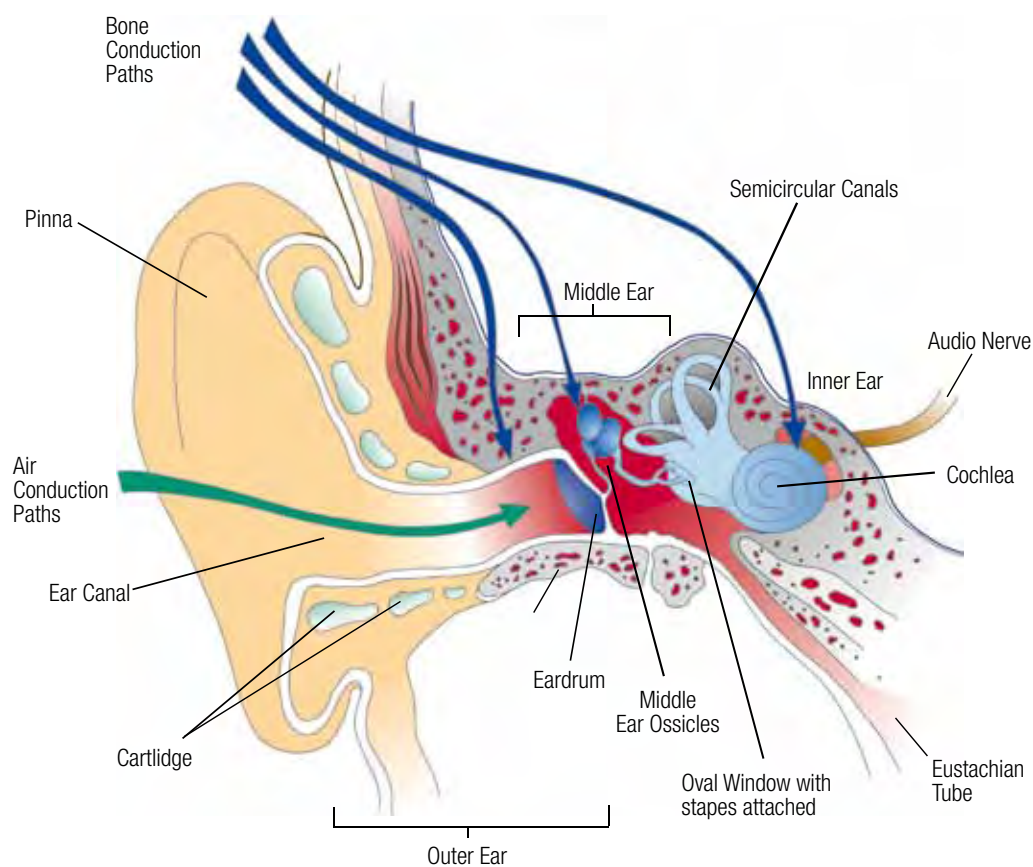of the hearing protector.

90% usage.
Virtually no protection.

100% usage - the only secure protection from hearing loss

Technical
Information

Cross Section Of Ear

- Bone Conduction Paths
- Pinna
- Air Conduction Paths
- Ear Canal
- Cartlidge
- Outer Ear
- Eardrum
- Middle Ear Ossicles
- Oval Window with stapes attached
- Middle Ear
- Semicircular Canals
- Inner Ear
- Audio Nerve
- Cochlea
- Eustachian Tube

Injuries Are Lifelong

The human ear is designed to pick up natural sounds. Many workplace processes and applications can generate noise levels that are potentially harmful to hearing. When the tiny sensory hair cells are repeatedly exposed to excessive doses of noise, they break. The surviving sensory hair cells can only process a fraction of the usual information transfer, thus leading to permanent hearing damage.

Normal ear showing an electron micrograph of tiny sensory hair cells that are responsible for processing sound vibration into meaningful information.

Damaged ear showing an electron micrograph of tiny sensory hair cells broken as a result of repeated exposure to loud noise resulting in permanent hearing loss.

Training and Support

3M's team of Certified Occupational Hygienists and Technical Specialists offer support and training to meet the needs of our customers.

They can provide customers:

• Initial and ongoing technical support
• Advice and training for your company, including audits for your workplace
• Coordination of fit testing for respiratory and hearing protection

No matter how effective a piece of PPE is, it will offer little or no protection if it is not fitted and worn correctly. Proper inspection, cleaning and storage is vital for safety equipment that protects a worker's health and well being.

That is why 3M offers training programs that explain the correct way to fit, inspect, clean and store the PPE designed and manufactured by our company.

Our Specialist Field Representatives are trained and can provide Certificate IV style workplace training. They can provide quality onsite training and ongoing support.

3M TechAssist

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.

Customers can contact TechAssist to answer questions on product information, technical advice, guidance with product selection, Australian Standards and other important information they may need to know on a day-to-day basis.

You can contact 3M's TechAssist service by ringing the free TechAssist Helpline on 1800 024 464 or by email at techassist@mmm.com

Nationwide Distributor Network

3M distributes our wide range of workplace safety products through a distributor network which includes over 250 stores and branches throughout Australia.

To find a 3M safety distributor near you, visit our website www.3m.com/au/ohs or ring 3M customer service on 1300 363 565.

For more information about 3M Safety products or solutions please contact your 3M representative or:

3M TechAssist Helpline (Mon-Fri 8.30am-4.30pm)	1800 024 464 or email techassist@mmm.com
3M Australia Customer Service	1300 363 565
Website	www.3m.com/au/ohs

3M

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