



Science.  
Applied to Life.™



# Hearing Protection

Hearing protection must be right for you and your situation. For safety, productivity and comfort, it must reduce noise by the right amount, not too little and not too much. 3M can provide solutions for different individuals and applications with a wide range of earmuffs and earplugs.

**#3MScienceOfSafety**



# The solution, protection and validation.

As a global leader in sound and noise detection, hearing protection and fit test validation, 3M delivers easy and comprehensive solutions to complex hearing protection challenges.

Ears come in a variety of sizes and shapes, and noise levels on the job vary depending on the work that is being done. Hearing protection solutions by 3M offer a wide range of shapes and sizes to fit workers' ears comfortably while offering protection for a wide range of noise levels.

### Noise Detection

The first step in solving the hearing protection challenge is to measure the noise levels facing your workers, so you can select the appropriate hearing protection for the application.

### Adaptable Hearing Protection

3M delivers a wide range of innovative hearing protectors, making it easy to select the right solution for the job. A variety of types and sizes of earplugs and earmuffs are available helping your team determine the right fit for each person and the right protection for the application. Our innovative products are designed for comfortable, extended wear, and they can help your team comply with your safety program.

### Fit Test Validation

Integrating hearing protector fit testing into your hearing conservation program benefits everyone from new hires to high-risk workers. The 3M™ E-A-Rfit™ Validation System makes it easier to fit, train and motivate workers and to assess and manage the long-term performance of your hearing conservation program.

3M's broad range of hearing protection devices in a variety of types and styles helps you solve many of the challenges facing workers in various environments.

You can advance your hearing conservation programme with a customised and comprehensive approach to the hearing protection challenge. Implementing a solution that really makes a difference, begins with understanding the hazards, the regulation and the factors that impact protection.

# Understanding sound level conversion (SLC80).

An SLC80 rating is determined based on how well the hearing protector performed in a laboratory. However, each hearing protector's SLC80 is not always a good estimate for workplace noise reduction. Many factors, such as the relationship between the size of the wearer and size of the hearing protector, and how it has been inserted or fitted, can impact how effective that hearing protector will be. That's why it is so important to have the E-A-Rfit validation system as part of your hearing conservation program and the support of a hearing protection team with over 40 years of expertise.

At 3M, we understand the challenges of the workplace, the complexities of fitting protection devices, and the importance of creating adaptable solutions for maximising hearing protection. Our innovations in noise protection and validation are designed to solve real-world challenges, providing our customers with the advanced and comprehensive solutions needed to help protect workers.



# When it comes to protecting workers' hearing there is no one-size fits all solution.



The first step is an accurate assessment of the sound level. The second step is choosing the right protection for the job, and the third is to use a validation system to verify that the protection being used is at the right level for the given environment.

All of this should be consistently supported by a strong educational effort around noise awareness, fitting guidance and other motivational elements.

3M delivers a complete set of tools to **Protect** and **Validate**. It's 3M hearing protection solutions made innovatively easy.



**Detection:** Detecting and monitoring manufacturing noise exposure is the first step in identifying where hearing protection is needed.



**Protection:** Protecting hearing and enhancing communication require comfortable solutions with options that make it easy to select the right protection for each employee.



**Validation:** 3M recommends fit testing for hearing protection. Training on the proper use of protection and measurement of attenuation levels can help you validate that your employees are protected.



# What types of sounds require hearing protection?

At home and work, it's important to understand which sounds may cause hearing loss and require hearing protection:

## Home Scale Decibels (dBA)\*

12-Gauge Shotgun	165 dB Peak
Basketball Game Crowd Noise	120
Chainsaw	110
Rock Concert	105
Motorcycle	100
Lawn Mower	90
Vacuum Cleaner	80
Mid-Sized Auto Interior	70
Conversation	60
Floor Fan	50
Refrigerator Hum	40
Rustling Leaves	30
Watch Ticking	20

## Work Scale Decibels (dBA)\*

Jet Takeoff	140
Pneumatic Riveter	124
Hammer Drill	114
Tractor / Hand Drill	97
Belt Sander	93
City Traffic	78
Air Conditioning Unit	60
Electrical Transformer	45

\*Information from 3M™ Noise Navigator™ Sound Level Database  
[www.3M.com/hearing](http://www.3M.com/hearing) and National Institute for Occupational Safety and Health (NIOSH) [www.cdc.gov/niosh/topics/noise/noisemeter.html](http://www.cdc.gov/niosh/topics/noise/noisemeter.html)

# It starts with PAR.

## How do you decide what Hearing Protection you will offer to your workers?

If you are simply using the SLC80 rating found on the box of earplugs as a guide, you may not be providing accurate protection levels for every worker. Ears come in many shapes and sizes and to make sure all workers are getting the protection they need, you need to know their Personal Attenuation Rating (PAR).

### What's your PAR?

Every employee is different. Every job is different. Every ear is different. Finding each employee's PAR will help you have assurance that workers' hearing is protected and they are compliant with the law. That's why we made the new 3M™ E-A-Rfit Dual-Ear Validation System fast, accurate and easy.

### Fit testing is key.

Get results you can trust. The 3M™ E-A-Rfit Dual-Ear Validation System measure the effectiveness of the earplug or earmuff inside the employee's ear providing accurate, quantitative results. Because you can simultaneously test both ears, you have more to focus on education including the importance of fit and protection.

✓ **29 dB**

**Pass.**

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

✗ **10 dB**

**Fail.**

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

## Noise-induced hearing loss is 100% preventable.



### Why 3M?

As the leader in hearing protection, 3M offers a complete solution, with dual-ear and earmuff testing capabilities plus a user-friendly interface. The 3M™ E-A-Rfit Dual-Ear Validation System is the fast and easy way to find your employees' PAR, because we know how important it is to make your hearing conservation program fit seamlessly into your operation.

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

#### Features

- Dual-ear testing
- Fast, clear, accurate results
- Earmuff testing capability
- Tests all 7 frequencies
- Seamless software integration
- Science-based, quantitative testing
- Compact design

NOTE: Finding each employee's PAR is an essential step in a comprehensive hearing conservation program. Once a worker's PAR is measured, you can determine if they're using the right hearing protection and they are trained on proper use.





# Earplugs

Our 3M™ Earplug range provides great comfort, fit and good protection. 3M provides a wide range of earplug types to suit your individual needs. From disposable, reusable, push-ins or banded types.

# Disposable Earplugs.

3M™ Disposable Earplugs, made from expandable slow-recovery foam, help provide a great combination of comfort and hearing protection for users. Once in the ear, foam earplugs expand to conform to the unique shape of each ear canal. 3M provides a wide range of disposable roll-down earplugs so you can choose the best solution for your individual needs.

## 3M™ E.A.R™ Classic Earplugs

Classic earplugs were the industry’s first foam earplugs, virtually revolutionising hearing protection. Today, the revolution continues. It meets more wearer and environmental needs with its proprietary foams, preferred cylindrical shape, and proven in-ear comfort.

### Features and Benefits:

- Moisture Resistant
- Slow-Recovery Foam
- E-A-Rfit Testable
- Uncorded - 23dB (Class 4)
- Corded - SLC80 21dB (Class 3)
- 2000 pairs/case
- 200 pairs/box



3M Order Code	Model #	Description
70071514940	311-1101	E-A-R Classic Corded
70071514916	310-1001	E-A-R Classic Pillow Pack Uncorded
70071514932	312-1201	E-A-R Classic Polybag Uncorded
70071562774	393-2003-50	E-A-R Classic Probed Test Plug



## 3M™ E.A.R™ Classic Platinum Earplugs

- 7% Smaller than Classic
- Moisture Resistant
- Slow-Recovery Foam
- E-A-Rfit Testable
- SLC 80 23dB (Class 4)
- 2000 pairs/case
- 200 pairs/box



3M Order Code	Model #	Description
70071515848	310-4002	E-A-R Classic Platinum Pillow Pack Uncorded
70071515871	310-4003	E-A-R Classic Platinum Polybag Uncorded
70071562816	393-2007-50	E-A-R Classic Platinum Probed Test Plug

## 3M™ E.A.Rsoft™ Neons Earplugs

- Slow-Recovery Foam
- Two sizes available
- E-A-Rfit Testable
- SLC 80 23dB (Class 4)
- 2000 pairs/case
- 200 pairs/box



3M Order Code	Model #	Description
70071515020	312-1250	E-A-Rsoft Neons Regular Uncorded
70071515152	311-1251	E-A-Rsoft Neons Large Corded
70071515053	312-1251	E-A-Rsoft Neons Large Uncorded
70071562741	393-2000-50	E-A-Rsoft Neons Probed Test Plug
70071650249	393-2014-50	E-A-Rsoft Neons Large Probed Test Plug

## 3M™ E.A.Rsoft™ SuperFit Earplugs

- Available with Cord
- Slow-Recovery Foam
- E-A-Rfit Testable
- SLC 80 24dB (Class 4)
- 2000 pairs/case
- 200 pairs/box



3M Order Code	Model #	Description
70071515145	311-1254	E-A-Rsoft Superfit Regular Corded
70071515061	312-1255	E-A-Rsoft Superfit Large Uncorded
70071515038	312-1256	E-A-Rsoft Superfit Regular Uncorded

## 3M™ E.A.Rsoft™ FX Earplugs

- Available with Cord
- Slow-Recovery Foam
- Easy removal (bell shape)
- E-A-Rfit Testable
- SLC 80 26dB (Class 5)
- 2000 pairs/case
- 200 pairs/box



3M Order Code	Model #	Description
70071515137	312-1260	E-A-Rsoft FX Corded
70071515046	312-1261	E-A-Rsoft FX Uncorded
70071562782	393-2004-50	E-A-Rsoft FX Probed Test Plug

## 3M™ E.A.R™ Taperfit II Earplugs

- Available with Cord
- Slow-Recovery Foam
- E-A-Rfit Testable
- SLC 80 26dB (Class 5)
- 2000 pairs/case
- 200 pairs/box



3M Order Code	Model #	Description
70071515228	312-1219	E-A-R Taperfit II Regular Uncorded
70071515236	312-1221	E-A-R Taperfit II Large Uncorded
70071515251	312-1224	E-A-R Taperfit II Large Corded
70071562808	393-2006-50	E-A-R Taperfit II Probed Test Plug
70071733557	393-2027-50	E-A-R Taperfit II Large Probed Test Plug

## 3M™ 1100 & 1110 Earplugs

- Available with Cord
- Hypo-allergenic Foam
- E-A-Rfit Testable
- SLC 80 21dB (Class 3)
- Uncorded - 1000 pairs/case
- Uncorded - 200 pairs/box
- Corded - 500 pairs/case
- Corded - 100 pairs/box



3M Order Code	Model #	Description
70070406304	1100	1100 Earplugs Uncorded
70070406312	1110	1110 Earplugs Corded
70071577772	393-2010-50	1100 Probed Test Plug

# Push-to-Fit Earplugs.

Simply hold 3M™ Push-to-Fit Earplugs by the stem then push them into place — there is no roll-down required. The soft foam tip quickly adjusts to the shape of the ear to help create a noise-reducing seal. Since you don't touch the foam tip, they are easy to insert and keep clean, even when your hands are dirty or you are wearing gloves.

## 3M™ Skull Screws™ Earplug

Skull Screws™ earplugs perform as tough as they look by providing excellent hearing protection for noisy environments. The metallic color makes the earplugs look solid, but they are made from ultra-soft foam that provides day-long comfort. Grab the attention of your young workers with these radically designed earplugs and help boost hearing protection acceptance.

- Available with Cord
- Slow-Recovery Foam
- E-A-Rfit Testable
- No Roll-Down Required
- SLC 80 26dB (Class 5)
- 480 pairs/case
- 120 pairs/box



3M Order Code	Model #	Description
70071515640	P1300	Skull Screws Uncorded
70071515632	P1301	Skull Screws Corded
70071647757	393-2012-50	Skull Screws Probed Test Plug

## 3M™ E.A.R™ Push-Ins Earplugs

- Available with Cord
- E-A-Rform™ Foam Tip
- E-A-Rfit Testable
- No Roll-Down Required
- SLC 80 23dB (Class 4)
- 2000 pairs/case
- 200 pairs/box



3M Order Code	Model #	Description
70071515673	318-1002	E-A-R Push-Ins Uncorded
70071515707	318-1003	E-A-R Push-Ins Corded
70071562766	393-2002-50	E-A-R Push-Ins Probed Test Plug

## 3M™ E.A.R™ Push-Ins With Grip Rings Earplugs

- Available with Cord
- Patented Grip Rings
- E-A-Rfit Testable
- No Roll-Down Required
- SLC80 24dB Class 4
- 2000 pairs/case
- 200 pairs/box



3M Order Code	Model #	Description
70071515657	318-1008	E-A-R Push-Ins With Grip Rings Uncorded
70071515681	318-1009	E-A-R Push-Ins With Grip Rings Corded
70071650298	393-2015-50	E-A-R Push-Ins With Grip Rings Probed Test Plug

## 3M™ E.A.R™ Express Pods Earplugs

- Available with Cord
- Slow-Recovery Foam
- E-A-Rfit Testable
- No Roll-Down Required
- SLC 80 19dB (Class 3)
- 400 pairs/case
- 100 pairs/box



3M Order Code	Model #	Description
70071516002	321-2115	E-A-R Express Pods Corded
70071516010	321-3200	E-A-R Express Pods Uncorded
70071562725	393-2008-50	E-A-R Express Pods Probed Test Plug

## 3M™ No-Touch™ Earplugs

- Available with Cord
- Slow-Recovery Foam
- E-A-Rfit Testable
- No Roll-Down Required
- SLC 80 25dB (Class 4)
- 400 pairs/case
- 100 pairs/box



3M Order Code	Model #	Description
70071515624	P2000	No Touch Uncorded
70071515616	P2001	No Touch Corded
70071650231	393-2013-50	No Touch Probed Test Plug

# Reusable Earplugs.

These durable, long-lasting earplugs are made from soft, flexible materials that are washable and reusable. The tapered tips are pre-molded for a wide range of ear sizes. Available in a variety of styles and protection levels.

## 3M™ E-A-R™ UltraFit™ Earplugs

A proven triple-flange design and pliable, premolded material make UltraFit earplugs a more comfortable fit for most ear canals. These durable, reusable earplugs are easy to use again and again, reducing waste. They can be cleaned easily with soap and water. Since there is no need to roll them down before fitting, simply push them into the ear canal for clean and comfortable noise reduction.

- Moisture Resistant
- Reusable, No Roll-Down
- E-A-Rfit Testable
- SLC 80 18dB (Class 3)
- Corded & Uncorded - 400 pairs/case
- Corded & Uncorded - 100 pairs/box
- Corded with case - 200 pairs/case
- Corded with case - 50 pairs/box



3M Order Code	Model #	Description
70071521143	340-4001	E-A-R Ultrafit Cased Uncorded
70071515798	340-4002	E-A-R Ultrafit Cased Corded
70071515772	340-4004	E-A-R Ultrafit Polybag Corded
70071562758	393-2001-50	E-A-R Ultrafit Probed Test Plug

## 3M™ 1200 Reusable Earplugs

- Reusable, No Roll-Down
- 18dB (Class 3)
- E-A-Rfit Testable
- Corded - 500 pairs/case
- Corded - 100 pairs/box
- Corded with case - 250 pairs/case
- Corded with case - 50 pairs/box



3M Order Code	Model #	Description
AT010561119	1270	1270 Earplugs Corded
AT010561127	1271	1271 Earplugs Cased Corded
7100034169	1200	1200 Probed Test Plug

## 3M™ Tri-Flange™ Earplugs

- Moisture Resistant
- Reusable, No Roll-Down
- Vinyl or Cloth cord
- E-A-Rfit Testable
- 19dB (Class 3)
- 400 pairs/case
- 100 pairs/box



3M Order Code	Model #	Description
70071515723	P3000	Tri-Flange Corded
70071515715	P3001	Tri-Flange Cloth Corded
70071647740	393-2011-50	Tri-Flange Probed Test Plug

## 3M™ Combat Arms 4.1 Earplug with dual mode attenuation

- Reusable, No Roll-Down
- Dual Mode Rocker Switch
- E-A-Rfit Testable
- Open Mode Pass Through
- Closed Mode Loud Impulse Noise
- Military, Law Enforcement Markets
- Open Mode - SLC80 9dB (Class 1)
- Closed Mode SLC80 12dB (Class 1)



3M Order Code	Model #	Description
70071675014	370-1044	E-A-R Combat Arms 4.1, Small
70071675022	370-1045	E-A-R Combat Arms 4.1, Medium
70071675030	370-1046	E-A-R Combat Arms 4.1, Large

Does not have probed test plugs



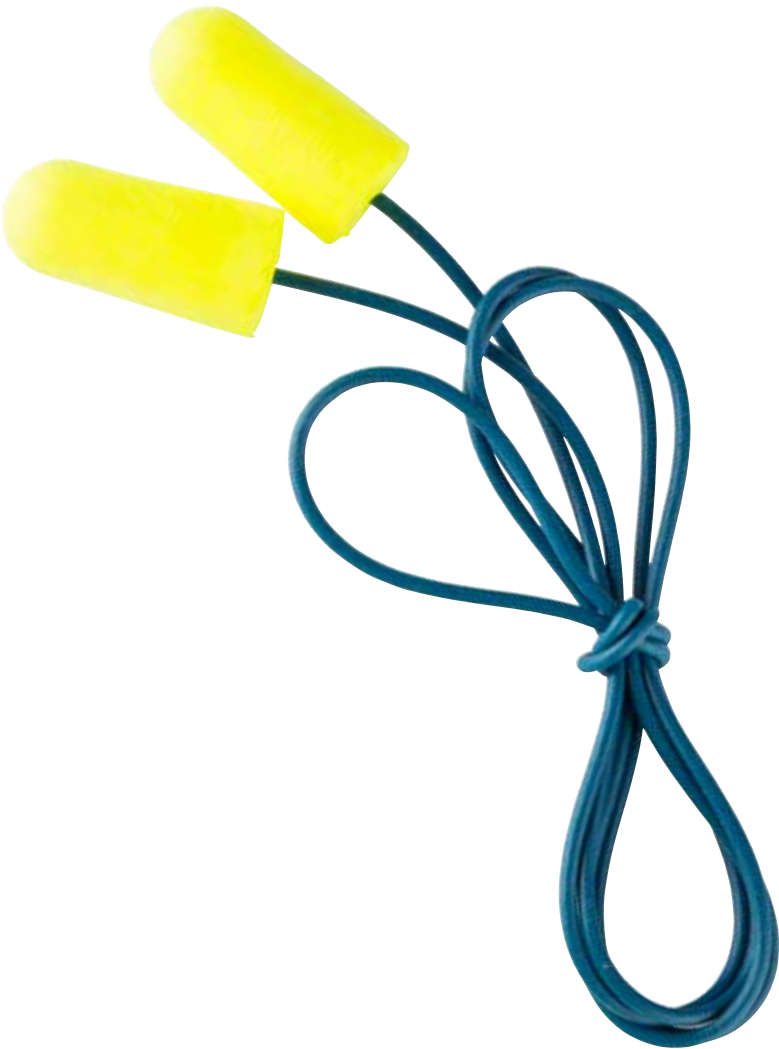
# Metal Detectable Earplugs.

All 3M™ Metal Detectable Earplugs have an integral stainless steel ball encased in the earplug. Ideal for use in food manufacturing industries, when contamination prevention is critical.

## 3M™ E-A-Rsoft™ Neon Metal Detectable Earplugs

3M™ E-A-Rsoft™ Neon Metal Detectable earplugs were specially developed for food processing and other industries where it is critical to keep earplugs from contaminating products and processes. Recognized by most metal-sensing systems, these earplugs feature an implanted stainless steel ball bearing in the plug and metal particles in the cord.

- Slow recovery foam
- Implanted stainless steel ball
- SLC 80 23dB (Class 4)
- Corded - 2000 pairs/case
- 200 pairs/box
- E-A-Rfit Testable



3M Order Code	Model #	Description
70071515103	311-4106	E-A-Rsoft Yellow Neon Metal Detectable Corded
70071562741	393-2000-50	E-A-Rsoft Yellow Neon Metal Detectable Probed Test Plug

## 3M™ E-A-R™ Ultrafit™ Metal Detectable Earplugs

- Triple flange design
- Reusable, no Roll-down
- Implanted stainless steel ball
- 18dB (Class 3)
- 400 pairs/case
- 100 pairs/box
- E-A-Rfit Testable



3M Order Code	Model #	Description
70071515749	340-4007	E-A-R Ultrafit Metal Detectable Corded
70071562758	393-2001-50	E-A-R Ultrafit Metal Detectable Probed Test Plug

# Banded Hearing Protectors.

Banded hearing protectors are an easy-to-use, convenient alternative to earplugs and earmuffs. They are quick to put on and take off and may be stored around the neck in between uses, making them excellent for intermittent use.

## 3M™ E-A-Rflex™ Banded Earplugs

- Replacement Tips Available
- Flexible Band
- Multi Pivot Tips
- E-A-Rflex Tips – SLC80 15dB (Class 2)
- 10 bands/case



3M Order Code	Model #	Description
70071515806	350-3001	E-A-Rflex Foam

Does not have probed test plugs

## 3M™ 1310 Banded Series

- Replacement Tips Available
- Flexible Band
- Round Foam Tips
- Worn under chin - 18dB (Class 3)
- 50 bands/case



3M Order Code	Model #	Description
AT010561135	1310	3M 1310 Banded Series (Under Chin Position)
H0001861683	1311	3M 1311 Banded Series (Replacement Pods)

Does not have probed test plugs

# 3M™ E.A.R™ One Touch Earplug Dispensers

3M™ One Touch™ Pro Earplug Dispenser gives workers convenient access to hearing protection products. A "No-Waste Funnel" accurately delivers earplugs with a slight turn. It typically dispenses a single earplug with each turn, giving the worker more control with less chance of spillage and waste of earplugs.

## Features and Benefits:

- Makes it easy for workers to get the earplugs they need on the job. The dispenser holds 400-500 pairs of earplugs that are dispensed one at a time with a simple turning motion. Because the dispensing of earplugs is controlled, there should be little waste
- Our dispenser also makes it more sanitary for workers to get their earplugs as it eliminates the practice of workers reaching into a bin and touching multiple earplugs.
- The 3M One Touch Pro Earplug dispenser may be placed on flat, level surfaces such as countertops, or wall mounted in a convenient place. For wall mounting applications, a powder-coated steel backplate is included
- Accurately dispenses one earplug at a time
- Dispenses earplug directly into hand
- Durable ABS plastic for tough environments
- Can be free-standing or wall-mounted
- Shields earplugs from wind and rain



3M Order Code	Model #	Description
XA007701783	1100-BT	3M™ 1100 One Touch™ Refill - 500 pair/bottle4 bottles/case, SLC80 21dB (Class 3)
70071514882	391-1001	3M™ Classic™ One Touch™ Refill - 500 pair/bottle 4 bottles/case, SLC80 23dB (Class 4)
70071515087	391-1004	3M™ E-A-Rsoft™ Yellow Neons™ One Touch™ Refill- 500 pair/bottle 4 bottles/case, SLC80 23dB (Class 4)
70071674751	390-1012	3M™ E-A-Rsoft FX™ One Touch™ Refill Bottle 500 pair/bottle 4 bottles/case, SLC80 26dB (Class 5)
70071674207	391-0000	3M™ One Touch™ Pro - Earplug Dispenser





# Earmuffs

The 3M™ PELTOR™ Earmuffs have been developed for demanding noisy environments and are effective in reducing even extremely low frequency sound. 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 periods of use.

# 3M™ Peltor™ X4 Series Earmuffs

Extremely lightweight, low-profile earmuffs for use in high-noise exposure situations

Historically higher attenuating earmuffs meant larger and bulky cups, but no longer. The 3M™ PELTOR™ Earmuffs X4 can attenuate by as much as 31dB whilst maintaining a sleek, low profile aesthetically pleasing design. Using the same innovative technology, the 3M™ PELTOR™ X5 remains relatively lightweight with excellent balance and wearer comfort despite the larger cups, providing ratings as high as SLC80 35dB.

**Features and Benefits:**

**Comfort**

- Easy to adjust headband
- Comes in electrically insulated (dielectric) and wire formats
- Twin headband design helps reduce heat build-up and provides a good fit and balance
- Earcups tilt for optimum comfort and efficiency

**Protection**

- Unique attenuation as a result of optimum combination of specially-formulated foam featured in the earcups, cushions and the innovative spacer and cup design
- Newly designed spacer improves attenuation without excess bulk or weight
- Also available in helmet attached and neckband versions.

**Design**

- Extremely lightweight (234g)
- Integrated design for more robustness
- Colour-coded for ease of selection
- Easy to clean
- Extremely slim design providing excellent compatibility with other 3M personal protection products



3M Order Code	Model #	Description
XA007707947	X4A	Headband Earmuffs X Series Light Green SLC80 31dB (Class 5)
UU008197848	X4B	Neckband Earmuffs X Series Light Green SLC80 31dB (Class 5)
UU010818886	X4P3GS/E	Helmet Attach Earmuffs X Series Light Green SLC80 27dB (Class 5)
AT010613571	X4P5E/G	Helmet Attach Dielectric Earmuffs X Series Light Green SLC80 26dB (Class 5)
XA007707608	HYX4	Replacement Hygiene Kit for X4 Earmuff Models

## 3M™ Peltor™ X5 Series Earmuffs

3M's highest attenuation earmuffs for very high-noise exposures



3M Order Code	Model #	Description
XA007707954	X5A	Headband Earmuffs X Series Black SLC80 35dB (Class 5)
UU008197863	X5B	Neckband Earmuffs X Series Black SLC80 34dB (Class 5)
XA007707988	X5P3G/E	Helmet Attach Earmuffs X Series Black SLC80 31dB (Class 5)
AT010613589	X5P5G/E	Helmet Attach Dielectric Earmuffs X Series Black SLC80 31dB (Class 5)
XA007707616	HYX5	Replacement Hygiene Kit for X5 Earmuff Models

## 3M™ Peltor™ Optime™ II Earmuffs

These products are designed to provide moderate to high level of attenuation that meets the needs of many industrial applications where high levels of noise may be encountered.



3M Order Code	Model #	Description
70071730520	H520P3GS/E	Helmet Attach Earmuffs Optime™ II Series Green SLC80 29dB (Class 5)
70071730538	H520F	Foldable Helmet Attach Earmuffs Optime™ II Series Green SLC80 32dB (Class 5)
70071730546	H520B	Neckband Earmuffs Optime™ II Series Green SLC80 27dB (Class 5)
70071730553	H520A	Headband Earmuffs Optime™ II Series Green SLC80 32dB (Class 5)
70071730579	H520FHV	Foldable Headband Earmuffs Optime™ II Series Hi Viz SLC80 32dB (Class 5)
XA007707582	HYX2	HYX2 Replacement Hygiene Kit for Optime II Series
70071691110	393-3001-2	PELTOR X1/X2 Earmuff Probed Test Cushions

## 3M™ Peltor™ H31 Low Profile Series

Bright orange coloured earcups for added visibility



3M Order Code	Model #	Description
AT010592841	H31P3AF	Earmuffs for M-Series Head Tops, M100 = Class 3, M-300 = Class 4

## 3M™ Peltor™ Optime™ I Earmuffs

These products are designed to provide moderate level of attenuation that meets the needs of the majority of industrial applications.



3M Order Code	Model #	Description
70071730496	H510P3GS/E	Helmet Attach Earmuffs Optime™ I Series Yellow SLC80 26dB (Class 5)
70071730504	H510F	Foldable Helmet Attach Earmuffs Optime™ I Series Yellow SLC80 28dB (Class 5)
70071730421	H510B	Neckband Earmuffs Optime™ I Series Yellow SLC80 25dB (Class 4)
70071730454	H510A	Headband Earmuffs Optime™ I Series Yellow SLC80 28dB (Class 5)
XA007707574	HYX1	HYX1 Replacement Hygiene Kit for Optime I Series
70071691110	393-3001-2	PELTOR X1/X2 Earmuff Probed Test Cushions

## 3M™ Peltor™ Optime™ III Earmuffs

These products are designed to provide a high level of attenuation that meets the needs of many industrial applications where high levels of noise may be encountered.



3M Order Code	Model #	Description
70071730587	H540P3GS/E	Helmet Attach Earmuffs Optime™ III Series Black/Red SLC80 30dB (Class 5)
70071730595	H540B	Neckband Earmuffs Optime™ III Series Black/Red SLC80 34dB (Class 5)
70071730603	H540A	Headband Earmuffs Optime™ III Series Black/Red SLC80 33dB (Class 5)
70071730629	H540AHV	Headband Earmuffs Optime™ III Series Hi Viz SLC80 33dB (Class 5)
XH001659362	HY54	HY54 Replacement Hygiene Kit for Optime III Series
70071676285	393-3004-2	PELTOR Earmuffs Probed Test Cushions

## 3M™ Peltor™ H505B Welders Earmuffs

Low-profile design that fits comfortably under most welding helmets.



3M Order Code	Model #	Description
XA007703797	H505B	Black Neckband Format Earmuffs, Class 4 SLC80 22dB
XA007704274	H505	Hygiene Kit for H505







# 3M™ E-A-Rfit™ Validation

3M™ E-A-Rfit™ Dual-Ear Validation System utilizes F-MIRE technology to measure and obtain an objective, quantitative level of employee hearing protection in just 5 seconds per ear. Workers receive their own personal attenuation rating (PAR) and learn how correctly inserting earplugs can increase their level of protection.







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

Get results you can trust. The E-A-Rfit™ Dual-Ear Validation System measures the effectiveness of the hearing protection from inside the employee's ear, providing accurate, quantitative results. And because you can simultaneously test both ears, you'll have more time to educate employees on the importance of fit and compliance.



## 1 Fit.

Have the employee insert their earplugs or put on their earmuffs.

## 2 Test.

Connect to microphones and begin speaker test sound.

## 3 Assess.

Use PAR to customize hearing protector selection.

## The challenge of hearing protection.

### How do you know if your workforce is protected?

Protecting workers from hazardous noise levels is an ongoing challenge for many organizations. One of the most commonly recorded occupational illnesses in the manufacturing sector is permanent hearing loss. The success of your safety program depends on many factors and requires more than just offering hearing protection.

### Individual Fit Testing Using F-MIRE.

Using F-MIRE (Field Microphone-In-Real-Ear) technology, the E-A-Rfit™ Dual-Ear Validation System generates a

Personal Attenuation Rating (PAR) less than 5 seconds for both ears, taking into account the seven standard measured testing frequencies.

- Measures how well 3M's most popular earplugs, earmuffs and communications headsets perform
- Delivers a quantitative measurement of personal noise reduction for each employee
- Can help identify whether or not the employee has adequate protection



# EarFit Validation

These earplug styles cover fit validation testing for more than 90 different 3M earplug and earmuff products.



3M Order Code	Model #	Description
70071562741	393-2000-50	3M™ E-A-Rsoft™ Yellow Neons™ Probed Test Plugs 50 PR/Case (5 bags of 10 pair each)
70071562758	393-2001-50	3M™ E-A-R™ UltraFit™ Probed Test Plugs 50 EA/Case (5 bags of 10 pair each)
70071562766	393-2002-50	3M™ E-A-R™ Push-Ins™ Probed Test Plugs 50 PR/Case (5 bags of 10 pair each)
70071562774	393-2003-50	3M™ E-A-R™ Classic™ Probed Test Plugs 50 PR/Case (5 bags of 10 pair each)
70071562782	393-2004-50	3M™ E-A-Rsoft™ FX™ Probed Test Plug 50 PR/Case (5 bags of 10 pair each)
70071562808	393-2006-50	3M™ E-A-R™ TaperFit™ 2 Probed Test Plug 50 PR/Case (5 bags of 10 pair each)
70071562816	393-2007-50	3M™ Classic™ Small Probed Test Plug 50 PR/Case (5 bags of 10 pair each)
70071562725	393-2008-50	3M™ E-A-R™ Express™ Pod Plugs™ Probed Test Plug 50 PR/Case (5 bags of 10 pair each)
70071577772	393-2010-50	3M™ 1100 Test Plug 50 PR/Case (5 bags of 10 pair each)
70071647757	393-2012-50	3M™ Skull Screws™ Probed Test Plug 50 PR/Case (5 bags of 10 pair each)
70071650249	393-2014-50	3M™ E-A-Rsoft™ Yellow Neons™ Large Probed Test Plug 50 PR/Case (5 bags of 10 pair each)
70071650298	393-2015-50	3M™ E-A-R™ Push-Ins™ with Grip Rings Probed Test Plug 50 PR/Case (5 bags of 10 pair each)
70071732690	393-2026-50	3M™ E-A-R™ Flexible Fit HA in Polybag
70071733557	393-2027-50	3M™ E-A-R™ TaperFit™ Large

## In Ear Earplug Probe Range

3M Order Code	Model #	Description
70071734431	393-2030-50	3M™ Skull Screws/Torgue™ (regular and metal detectable)
70071734449	393-2031-50	CCC-GRM-25
70071734456	393-2032-50	3M™ UltraFit™ Small
70071734464	393-2033-50	3M™ UltraFit™ Medium
70071734472	393-2034-50	3M™ UltraFit™ Large

## Probed Muffs

3M Order Code	Model #	Description
70071676285	393-3004-2	3M™ PELTOR™ Earmuff Probed Test Cushion A Optime III 2EA/Case (2 pair each per case)
70071691110	393-3001-2	3M™ PELTOR™ Earmuff Probed Test Cushion B Optime I/II, Peltor Comms 2EA/Case (2 pair each per case)
70071691136	393-3005-2	3M™ PELTOR™ Earmuff Probed Test Cushion D X4/X5 2EA/Case (2 pair each per case)

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

3M Order Code	Model #	Description
70071674116	393-1100	3M™ E-A-Rfit™ Dual-Ear Validation System
70071674694	073-781	3M™ E-A-Rfit™ Dual-Ear, Microphone Assembly



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