

# 3M™ Hearing Solutions Catalog



detection

protection

validation



# Hearing Solutions

Made Innovatively Easy



The power to protect your world.™





detection



protection



validation

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

Understanding the hearing protection challenge requires accurate sound detection. Delivering the right solution demands the right protection for the job. Verifying solutions calls for a validation system.

We deliver a complete set of tools needed to detect, protect and validate. It's 3M hearing protection solutions made innovatively easy.

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# The Challenge of Hearing Protection



Millions of workers are exposed to hearing hazards every year, and even though OSHA regulations and NIOSH recommendations in the U.S. require protection, occupational hearing loss is still the number one reported worker illness in manufacturing.

You can advance your hearing conservation program with a customized and comprehensive approach to the hearing protection challenge. Implementing a solution that really makes a difference begins with an understanding of the hazards, the regulations, and the factors that impact protection.

## The Facts

**36 Million Americans Experience Hearing Loss:** According to the National Institutes of Health, 36 million (17%) Americans report some degree of hearing loss, and it is estimated that 26 million Americans between the ages of 20 and 69 have a hearing loss due to noise exposure.

**The #1 Reported Manufacturing Health Issue:** The Bureau of Labor Statistics (BLS) has reported that for people working in the Manufacturing Sector, occupational hearing loss is the most commonly recorded occupational health issue. Since 2004, nearly 125,000 workers have suffered significant, permanent hearing loss.

*Repeated exposure to loud sounds, greater than 85 dBA, can cause permanent hearing loss and tinnitus. Other health effects related to noise include stress, anxiety, hypertension, sleep disturbance and fatigue.*

## The Hazards

**Workplace Noise:** The National Institute for Occupational Safety and Health (NIOSH) estimates that almost 22 million American workers each year are exposed to occupational noises that pose a hazard to their hearing.

## The Regulations

**OSHA Limits:** OSHA's permissible exposure limit is 90 decibels (dBA) – time-weighted average (TWA) over eight hours – for workers with no previous work-related hearing loss.

**OSHA Requirements:** According to OSHA, workers exposed to sounds above 90 dBA must wear hearing protection.

Employers who have workers in areas with TWA noise exposures of 85 dBA and higher must provide an OSHA Hearing Conservation Program that includes:

1. Noise Monitoring
2. Annual Hearing Testing
3. Providing Hearing Protectors
4. Annual Training
5. Record Keeping

## The Real World Concerns of Hearing Protection

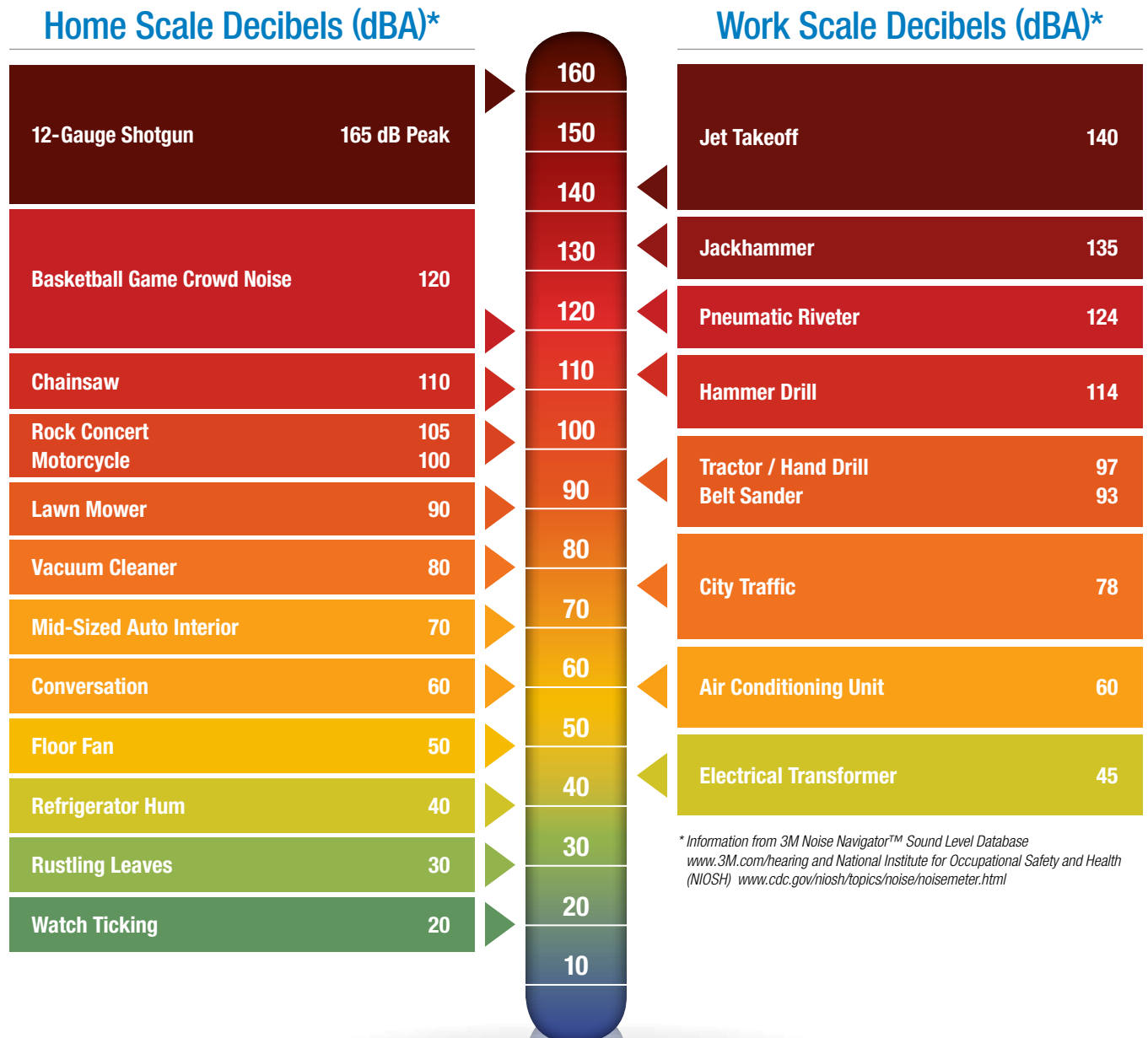
**Variable Noise Levels:** Every environment is different, and workers can face a wide range of sound levels throughout the day and in different areas at the same facility.

**The Human Factor:** Each person is physically unique. The key to achieving optimal protection is selecting devices capable of providing a good fit without sacrificing comfort.

**Employee Communication:** Many employees need to be able to communicate easily with co-workers and listen for workplace warning sounds, while being protected from potentially hazardous noise levels.

## 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:



\* 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)

# The Solution

## 3M Detection, Protection and Validation



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

### detection



**Accurate Noise Detection.** The first step in solving the hearing protection challenge is to measure the noise levels facing your workers. 3M Detection Solutions make it easy

to measure noise hazards, so you can select the appropriate hearing protection for the application. Our detection instruments deliver accurate and reliable measurements, and 3M™ Detection Management Software makes it easy to report and share data.

Complying with regulations, selecting appropriate hearing protection and analyzing noise control options are all easier with 3M Detection Solutions for exposure assessment, noise analysis and employee engagement. 3M's accurate, reliable, and flexible instrumentation coupled with powerful software is the innovative solution for your noise measurement challenge.

### protection



**Adaptable Hearing Protection.** Once you have completed the first step, detecting and monitoring employee noise exposures, it is critical to select hearing protectors that your

employees are motivated to wear. 3M has a broad selection of hearing protectors for a wide range of environments. Trouble fitting your earplugs? Need to communicate in noise? Dirty hands? Hot, humid conditions? These are just a few of the many challenges that 3M's innovative products can help you solve. 3M global hearing experts are available for consultation on your specific hearing protection challenge.

3M delivers an unmatched variety of innovative hearing protectors, making it easy for employers to select the right solution for the job. A variety of sizes and materials 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 can help your team comply with your hearing protection program.

### validation



**Fit Test Validation.** You have offered hearing protection to your workers. Now, how do you gain confidence they are receiving the hearing protection intended? 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.

The E-A-Rfit validation system utilizes F-MIRE technology to measure and obtain an objective, quantitative level of employee hearing protection in less than 10 seconds per ear. Workers receive their own personal attenuation rating (PAR) and learn how correctly fitting their hearing protection increases their level of protection. Integrating hearing protector fit testing into your hearing conservation program benefits everyone from new hires to high-risk workers.



**E-ARfit**<sup>™</sup>



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



## Finding the Right Fit with the 3M™ E-A-Rfit™ Validation System

The E-A-Rfit validation system measures the level of worker hearing protection and generates a Personal Attenuation Rating (PAR) in less than 10 seconds per ear. The PAR indicates a worker's noise reduction levels for a given hearing protector.

The E-A-Rfit validation system assists employers in achieving optimal fit through hearing protection selection and employee training.



The 3M™ E-A-Rfit™ Validation System

## An Integral Part of Your Hearing Protection Program

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 Helps You:

### Train and Motivate

- Serves as a tool for training proper insertion techniques and assessing proficiency in use of the hearing protector.
- Great for refitting or retraining as required by OSHA after standard threshold shifts (STSs) are detected.
- Motivates workers by helping them realize the control they have in protecting their hearing.

### Audit Your Team

- Establishes baseline values for new workers.
- Helps to identify workers receiving inadequate protection.
- Validates high protection levels required by workers in high noise areas.

### Assess and Manage

- Improves long-term performance of your hearing conservation program.
- Indicates the workers who need further training or alternative hearing protectors.
- After noise exposure data are input, E-A-Rfit software can help identify the most appropriate hearing protector(s) and help minimize over/under protection.

PAR 33  
PAR 32  
PAR 31  
PAR 30  
PAR 29  
**PAR 28**  
PAR 27  
PAR 26







## Technology and Support from the Hearing Protection Experts

**Employee Education and Training.** The 3M global hearing experts provide valuable on-site training and seminars throughout North America, helping employers and their workers achieve their hearing conservation goals. This training meets annual OSHA Requirement 1910.95 and is conveniently performed on-site at no cost. Whether it's explaining attenuation ratings or regulations, or helping to provide the motivation workers need to comply, 3M certified trainers are available to help you achieve your hearing conservation program objectives. They're experts in hearing conservation training and will work with your team to help you ensure your workers are protected with the right hearing protection equipment for their jobs.

**Understanding Noise Reduction Rating (NRR).** A noise reduction rating is determined based on how well the hearing protector performed in a laboratory under ideal conditions. However, each hearing protector's NRR is not really 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.

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

The 3M team of application specialists, sound engineers, and support personnel provides an unmatched level of support you can rely on to advance your hearing protection program.



## Food Industry Worker

Susan works indoors at a food processing plant in a damp, refrigerated area. She leaves her hearing protectors in throughout her entire shift.

*She needs metal detectable earplugs or easy-to-clean earmuffs. And they have to be comfortable.*

“In my job, I don’t want complicated hearing protection. Just keep it simple.”



## Production Manager

John works indoors, and moves in and out of noisy areas continuously throughout the day. Most of the time he is on the phone or a two-way radio.

*He needs a hearing protection solution with wireless 2-way radio communications and level-dependent technology. John also needs detection equipment to measure personal noise exposure and area sound pressure levels. In short, John needs to hear, communicate and measure sound levels in noisy environments.*

“I need to be able to hear my co-workers communicate with me, and ensure they are protected.”



## Iron Worker

Bill works in hot and humid environments, and often in tight spaces. He's constantly moving and takes his earplugs out frequently.

*He needs large-sized earplugs that don't have to be rolled down before inserting. If he's also wearing earmuffs, they need to fit within his welding helmet.*

"I don't like boring products. Give me some interesting choices for my hearing protection."

## Machine Operator

Julia works at the same station every day and wears safety glasses throughout her entire shift.

*She needs small-sized earplugs or earmuffs that are comfortable for extended wear.*

"My hearing protection has got to be comfortable. That's my top priority."



detection



protection



validation



# Detection Solutions

Noise measurement is the first step in identifying where hearing protection may be needed. 3M delivers innovative Detection Solutions for effective noise monitoring programs. Durable, accurate, and easy-to-use instrumentation makes it simple to report and share noise exposure data. 3M Detection products deliver brilliantly intuitive solutions to complex monitoring challenges.

**For more information and to see our full line of detection solutions, please contact your 3M sales representative or visit [www.3M.com/detection](http://www.3M.com/detection).**

# Detection Products



## 3M™ Noise Indicator NI-100

The 3M™ Noise Indicator NI-100 alerts the wearer to potentially dangerous noise levels, helping identify areas where hearing protection may be needed. Users clip the noise indicator to a shirt or jacket, and its LED light provides a clear indication when noise levels exceed a potentially hazardous threshold. The NI-100's small size and lightweight design make it a great option for workers in a variety of industries.

- Affordable lightweight noise monitor with a durable, easy-to-use design
- Rechargeable battery that operates for up to 200 hours between charges
- Flashing green LED indicates if noise level is below 85 dBA
- Flashing red LED indicates noise level is at or above 85 dBA, indicating hearing protection may be needed



Product Number	UPC Number	Abbreviated General Description	Case Qty
NI-100	00051131 17453 5	Noise Indicator	10 EA
053-575	00051131 48767 3	USB Cable Accessory for Battery Charging	1 EA

## 3M™ Sound Detector SD-200

The 3M™ Sound Detector SD-200 is a compact, lightweight sound level meter designed for measurement of workplace noise levels. Its intuitive design makes it easy for users to measure sound levels and helps determine the attenuation of hearing protection that may be required. The integrating feature computes the average sound pressure level, allowing for more accurate assessment of intermittent sound levels.

- Simple, user-friendly interface; green, yellow and/or red LEDs flash when preset noise levels are reached
- A rechargeable lithium polymer battery operates up to 50 hours between charges
- Average sound pressure level delivers a steady reading where noise levels are highly variable
- Features a Class/Type 2 microphone
- Measures Sound Pressure Level (SPL), Average value ( $L_{E0}/L_{AVG}$ ), LED alert, Maximum value (MAX), Minimum value (MIN), Run-Time, Overload (OL) and Under-Range (UR)
- Display range is 40 to 130 dB (Dynamic Range)



Product Number	UPC Number	Abbreviated General Description	Case Qty
SD-200	00051131 49632 3	Sound Detector Kit, USB Cable, Windscreen	1 EA
053-575	00051131 48767 3	USB Cable Accessory for Battery Charging	1 EA
SD-WS	00051131 49687 3	Windscreen	1 EA
056-990	00051131 48707 9	Sound Level Meter 1/2 inch Microphone Adapter to AC-300 Calibrator	1 EA
059-045	00051131 48966 0	Tripod	1 EA

# Detection Products

## 3M™ Sound Examiner SE-400 Series

The 3M™ Sound Examiner SE-400 series of sound meters is engineered to accurately measure noise levels in highly variable environments. These advanced instruments compute the average sound pressure level (LEQ/LAVG) over the run time and feature user-selectable data logging intervals, helping you to more accurately assess occupational and environmental noise levels.

- Intuitive interface allows for out-of-box use with little training
- Intrinsically Safe models available
- User selectable data logging intervals for download and analysis with 3M™ Detection Management Software
- Averaging functionality allows for easy measurement in variable environments
- Printing capability with optional digital printer provides hard copy documentation in the field
- Choose from models with Class/Type 1 or Class/Type 2 microphones
- SE-401 and SE-402-R models include removable preamp for environmental noise applications



Product Number	UPC Number	Abbreviated General Description	Case Qty
SE-401	00051131498686	SE-401 Sound Examiner, Type 1 Microphone, Removable preamp	1 EA
SE-402	00051131498594	SE-402 Sound Examiner, Type 2 Microphone	1 EA
SE-402-R	00051141558721	SE-402 Sound Examiner, Type 2 Microphone, Removable preamp	1 EA
SE-401-IS	00051141561141	SE-401-IS Intrinsically Safe Sound Examiner, Type 1 Microphone	1 EA
SE-402-IS	00051131498693	SE-402-IS Intrinsically Safe Sound Examiner, Type 2 Microphone	1 EA

## 3M™ Edge™ Dosimeters

The 3M™ Edge Dosimeter is a personal noise dosimeter series offers advanced technology packaged in an intrinsically safe, cable-free, compact frame for a lighter, more ergonomic way to monitor noise exposures.

- Comfortable, compact 3-ounce (85 grams) unit mounts easily to the shoulder
- Large display with intuitive easy-to-use interface provides crucial information at a glance
- Edge 5 model offers three independent dosimeters that can simultaneously measure against separate industry standards, all in one compact unit
- LCD display with visual warnings and option to lock out screen
- MSHA, SIRA (ATEX), CSA (U.S./Canada) and Simtars (IECEX) Intrinsic Safety Approvals



Product Number	UPC Number	Abbreviated General Description	Case Qty
eg5-D	00051131485303	Edge 5 Noise Dosimeter with Single Edge Dock	1 EA
eg4-D	00051131485266	Edge 4 Noise Dosimeter with Single Edge Dock	1 EA
5eg5-D-AC3	00051141562483	5-Pack Edge 5 Noise Dosimeter and AC-300 Calibrator	1 Kt/Case
5eg4-D-AC3	00051141562452	5-Pack Edge 4 Noise Dosimeter and AC-300 Calibrator	1 Kt/Case



## 3M™ AcoustiCal AC-300 Calibrator

The 3M™ AcoustiCal AC-300 Calibrator was specifically designed for easy field calibration of 3M sound level meters and noise dosimeters across a wide range of temperature, humidity and pressure conditions. Simply insert the microphone of your instrument into the calibrator, select the correct signal from the one-button keypad and calibrate.

- Type 1 calibrator for use with 3M™ Sound Level Meters and Noise Dosimeters
- Produces two signals: 250 Hz or 1,000 Hz at a sound pressure level of 114 dB
- Fast, simple operation for calibrating in the field
- Conforms to sound calibrator requirements of IEC 60942 (2003-01) and ANSI S1.40-2006 (R2011)



Product Number	UPC Number	Abbreviated General Description	Case Qty
AC-300	00051131499140	AcoustiCal AC-300 Calibrator	1 EA

## 3M™ Detection Management Software (DMS)

Once you've detected the level of noise exposure, 3M's DMS Detection Management Software allows you to centrally organize and access the information through our user-friendly software. It's data management made easy.

DMS works with 3M Detection Solutions Data Logging Instruments to allow for recording, reporting, charting and analyzing exposures to a variety of occupational and environmental hazards. Easy to learn with icon-driven navigation, DMS provides a simplified user experience and a powerful, consistent software platform across multiple sites.



Product Number	UPC Number	Abbreviated General Description	Case Qty
DMS	00051131499133	Detection Management Software (DMS)	1 EA

detection



protection



validation



# 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 provide increased comfort. 3M provides a wide range of disposable roll-down earplugs so you can choose the best solution for your individual needs.





## Disposable Foam Earplugs

### 3M™ E-A-R™ Classic™ Earplugs

Classic earplugs were the industry's first foam earplugs, virtually revolutionizing 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.

Dispenser Available



Available with Cord	✓
Moisture Resistant	✓
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	

NRR 29 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
310-1080	10080529 10081 5	Classic Earplug Corded	1,000 PR
311-1101	10080529 11001 2	Classic Earplug Corded	2,000 PR
311-1110	10080529 11006 7	Classic Earplug Corded, Paper Bag	600 PR
311-1081	10080529 11081 4	Classic Earplug Corded, Econopack	1,500 PR
310-1060	10080529 10070 9	Classic Earplug Uncorded, 30-Pair Pack	360 PR
310-1001	10080529 10000 6	Classic Earplug Uncorded, Pillow Pack	2,000 PR
312-1201	10080529 12002 8	Classic Earplug Uncorded, Poly Bag	2,000 PR
312-1082	10080529 11082 1	Classic Earplug Uncorded, Econopack	3,000 PR
312-1080	10080529 11080 7	Classic Earplug Uncorded, Econopack	5,000 PR
390-1000	10080529 90000 2	Classic Earplug Uncorded, Value Pack Dispenser	2,000 PR
310-1033	10080529 10009 9	Classic Earplug Uncorded, Beige	2,000 PR
391-1001	10080529 91001 8	Classic One Touch Refill	2,000 PR
VP311-1101	10093045 93247 1	Classic Earplug Corded, 5-Pair Vending Pack	500 PR
VP312-1201	10080529 19091 5	Classic Uncorded Earplug Vending Pack	500 PR
390-1201	10078371 66638 2	Classic Earplug Uncorded in Rapid Release Dispensing Box	2,000 PR

### 3M™ E-A-R™ Classic™ Small Earplugs

The diameter of a Classic small earplug is 7% less than the Classic earplug (and the same length) to help provide comfort and protection in smaller ears.

Available with Cord	✓
Moisture Resistant	✓
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	

NRR 29 dB\*

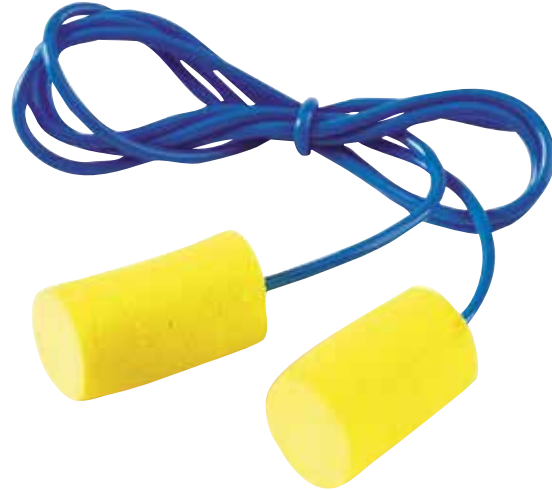


Product Number	UPC Number	Abbreviated General Description	Case Qty
311-1106	10080529 11024 1	Classic Small Earplug Corded	2,000 PR
310-1103	10080529 10052 5	Classic Small Earplug Uncorded	2,000 PR

# Disposable Foam Earplugs

## 3M™ E-A-R™ Classic™ Plus Earplugs

Classic plus earplugs are slightly longer than E-A-R Classic earplugs to insert deeper into the ear canal and provide higher noise reduction.



- Available with Cord ✓
- Moisture Resistant ✓
- Reusable
- Metal Detectable (311-4101 only) ✓
- Slow-Recovery Foam ✓
- No Roll-Down Required

NRR 33 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
311-1105	10080529 11023 4	Classic Plus Earplug Corded, Poly Bag	2,000 PR
310-1101	10080529 10051 8	Classic Plus Earplug Uncorded, Pillow Pack	2,000 PR
311-4101	10080529 11031 9	Classic Plus Metal Detectable Earplug with Metal Detectable Cord	2,000 PR

## 3M™ E-A-R™ Classic™ Soft Earplugs

Classic soft earplugs are made of proprietary thermal-reactive foam. The earplugs start out firm to allow for easy insertion, then soften from body heat for increased comfort.



- Available with Cord ✓
- Moisture Resistant
- Reusable
- Metal Detectable
- Slow-Recovery Foam ✓
- No Roll-Down Required

NRR 31 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
311-6000	10080529 11067 8	Classic Soft Earplug Uncorded	2,000 PR
311-6001	10080529 11068 5	Classic Soft Earplug Corded	2,000 PR



## 3M™ E-A-R™ Classic™ SuperFit™ Earplugs

Dispenser Available



SuperFit earplugs feature a unique ring to easily see when the earplug is correctly inserted. When no orange color is visible, the proper insertion is achieved. SuperFit 33 earplugs are designed for those looking for higher attenuation. SuperFit 30 earplugs are smaller in diameter and length for a comfortable fit in smaller ear canals.



Available with Cord	✓
Moisture Resistant	✓
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	

**SuperFit 30 – NRR 30 dB\***  
**SuperFit 33 – NRR 33 dB\***

Product Number	UPC Number	Abbreviated General Description	Case Qty
311-1126	10080529 11050 0	Classic SuperFit 30 Earplug Corded, Poly Bag	2,000 PR
312-4201	10080529 12077 6	Classic SuperFit 30 Earplug Uncorded, Poly Bag	2,000 PR
310-1009	10080529 10063 1	Classic SuperFit 30 Earplug Uncorded, Pillow Pack	2,000 PR
311-1125	10080529 11044 9	Classic SuperFit 33 Corded, Poly Bag	2,000 PR
310-1008	10080529 10061 7	Classic SuperFit 33 Earplug Uncorded, Pillow Pack	2,000 PR
391-1002	10080529 91002 5	Classic SuperFit 30 One Touch Refill	2,000 PR

## 3M™ Foam Earplugs

Dispenser Available



Get the protection you need from the brand you can trust — at an affordable price — with 3M 1100 and 1110 earplugs. Soft, hypoallergenic foam and a tapered design help provide a noise-reducing seal in the ear canal. 3M 1100 and 1110 earplugs are easy to roll down, and once inserted in the ear, soften with body temperature for comfortable extended wear.



Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow Recovery Foam	✓
No Roll-Down Required	

**NRR 29 dB\***

Product Number	UPC Number	Abbreviated General Description	Case Qty
1100	50051138 29008 0	Foam Earplug Uncorded	1,000 PR
1110	50051138 29009 7	Foam Earplug Corded	500 PR
391-1100	10080529 19102 1	Foam Earplug One Touch Refill	2,000 PR

3M™ E-A-R™

# Disposable Foam Earplugs

3M™ E-A-Rsoft™

## Yellow Neons™ Earplugs

E-A-Rsoft Yellow Neons earplugs have a smooth texture for in-ear comfort and are made of an advanced foam formulation for all-day wearability. Offered in two sizes to comfortably fit in a wide range of ears, these high attenuation earplugs are good for many different noisy applications. Brightly colored for hearing protection compliance sighting, E-A-Rsoft Yellow Neons earplugs are an excellent choice for any hearing conservation program.

Dispenser Available



- Available with Cord ✓
- Moisture Resistant
- Reusable
- Metal-Detectable (311-4106 only) ✓
- Slow-Recovery Foam ✓
- No Roll-Down Required

NRR 33 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
311-1256	10080529 11061 6	E-A-Rsoft Yellow Neons Regular Earplug Corded	1,000 PR
311-1250	10080529 11033 3	E-A-Rsoft Yellow Neons Regular Earplug Corded	2,000 PR
312-1250	10080529 12063 9	E-A-Rsoft Yellow Neons Regular Earplug Uncorded	2,000 PR
311-1251	10080529 11034 0	E-A-Rsoft Yellow Neons Large Earplug Corded	2,000 PR
312-1251	10080529 12064 6	E-A-Rsoft Yellow Neons Large Earplug Uncorded	2,000 PR
311-4106	10080529 11042 5	E-A-Rsoft Yellow Neons Metal Detectable Earplug with Metal Detectable Cord	2,000 PR
310-1250	10080529 10065 5	E-A-Rsoft Yellow Neons Regular Earplug Uncorded, Pillow Pack	2,000 PR
391-1004	10080529 91004 9	E-A-Rsoft Yellow Neons One Touch Refill	2,000 PR
391-1005	10080529 91005 6	E-A-Rsoft Yellow Neons Large One Touch Refill	1,600 PR
390-1250	10078371 66639 9	E-A-Rsoft Yellow Neons Regular Earplug Uncorded in Rapid Release Dispensing Box	2,000 PR

3M™ E-A-Rsoft™

## Yellow Neon Blasts™ Earplugs

E-A-Rsoft Yellow Neon Blasts earplugs are made from a slowly expanding, polyurethane foam material. They help provide evenly distributed pressure, giving flexibility and a good seal with optimum comfort. A red flame design adds fun to serious hearing protection.

Dispenser Available



- Available with Cord ✓
- Moisture Resistant
- Reusable
- Metal Detectable
- Slow-Recovery Foam ✓
- No Roll-Down Required

NRR 33 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
311-1257	10080529 11062 3	E-A-Rsoft Yellow Neon Blasts Regular Earplug Corded	1,000 PR
311-1252	10080529 11035 7	E-A-Rsoft Yellow Neon Blasts Regular Earplug Corded	2,000 PR
312-1252	10080529 12065 3	E-A-Rsoft Yellow Neon Blasts Regular Earplug Uncorded	2,000 PR
391-1010	10080529 91012 4	E-A-Rsoft Yellow Neon Blasts Regular One Touch Refill	2,000 PR
390-1252	10078371 66640 5	E-A-Rsoft Yellow Neon Blasts Regular Earplug Uncorded in Rapid Release Dispensing Box	2,000 PR



# 3M™ E-A-Rsoft™ FX™ Earplugs

FX earplugs feature a bell shape and super-soft, slow-recovery foam to effectively seal the ear canal and help provide reliable hearing protection. Flared end helps make fitting and removal easier.



Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	

**NRR 33 dB\***

Product Number	UPC Number	Abbreviated General Description	Case Qty
312-1261	10080529 12086 8	E-A-Rsoft FX Earplug Uncorded	2,000 PR
312-1274	10080529 12067 7	E-A-Rsoft FX Earplug Corded	1,000 PR
312-1260	10080529 12085 1	E-A-Rsoft FX Earplug Corded	2,000 PR
390-1261	10080529 19112 7	E-A-Rsoft FX Earplug Uncorded, 500 Count Bag	250 PR
390-1262	10078371 66641 2	E-A-Rsoft FX Earplug Uncorded in Rapid Release Dispensing Box	2,000 PR

# 3M™ E-A-Rsoft™ SuperFit™ Earplugs

E-A-Rsoft SuperFit earplugs have a smooth texture for in-ear comfort and are made of an advanced foam formulation for outstanding softness. The exclusive orange ring design provides a built-in visual to help confirm proper insertion.

Dispenser Available



Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable (311-4109 only)	✓
Slow-Recovery Foam	✓
No Roll-Down Required	

**NRR 33 dB\***

Product Number	UPC Number	Abbreviated General Description	Case Qty
311-1254	10080529 11059 3	E-A-Rsoft SuperFit Regular Earplug Corded	2,000 PR
312-1256	10080529 12083 7	E-A-Rsoft SuperFit Regular Earplug Uncorded	2,000 PR
391-1254	10080529 91010 0	E-A-Rsoft SuperFit Regular One Touch Refill	500 PR/Bottle
311-4109	10080529 19103 5	E-A-Rsoft SuperFit Metal Detectable Earplug with Metal Detectable Cord	2,000 PR

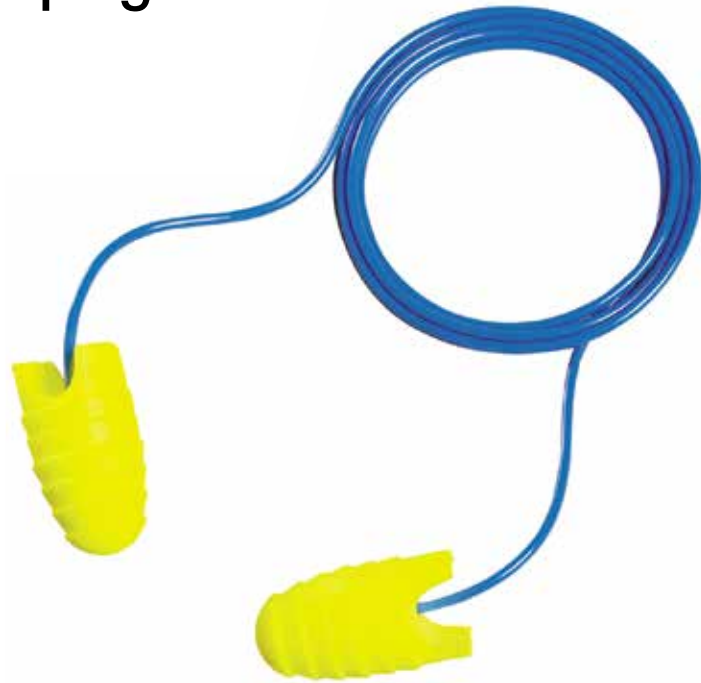
3M™ E-A-R™

# Disposable Foam Earplugs

3M™ E-A-Rsoft™

## Grippers Earplugs

Unique grip rings help create a soft, noise-blocking seal for effective hearing protection. Great for people who prefer larger earplugs.



Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	

NRR 31 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
312-6001	10080529 12090 5	E-A-Rsoft Grippers Earplug Corded	2,000 PR

## 3M™ Tattoo™ Earplugs

With today's louder lifestyles, the challenge to encourage hearing protection compliance among younger workers is even greater. Circled with a barbed "tattoo" design, Tattoo earplugs are designed with the next generation in mind. An advanced foam formulation conforms to the unique shape of each ear for enhanced comfort.



Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	

NRR 32 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
P1101	10093045 98284 1	Tattoo Earplug Corded	1,000 PR
P1100	10093045 98283 4	Tattoo Earplug Uncorded	2,000 PR



## 3M™ E-A-R™ E-Z-Fit™ Earplugs

E-Z-Fit earplugs are sized for smaller ears and bell shaped for easier insertion and removal on the job. Soft, slow-recovery foam comfortably seals the ear canal to help provide reliable hearing protection.

Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	

**NRR 28 dB\***



Product Number	UPC Number	Abbreviated General Description	Case Qty
312-1208	10080529 12007 3	E-Z-Fit Earplug Uncorded	2,000 PR
312-1222	10080529 12016 5	E-Z-Fit Earplug Corded	2,000 PR

## 3M™ E-A-R™ TaperFit™ 2 Earplugs

Soft, roll-down foam earplugs conform to the unique shape of each ear to help provide a low-pressure, comfortable seal. Offered in two sizes.

Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	

**NRR 32 dB\***

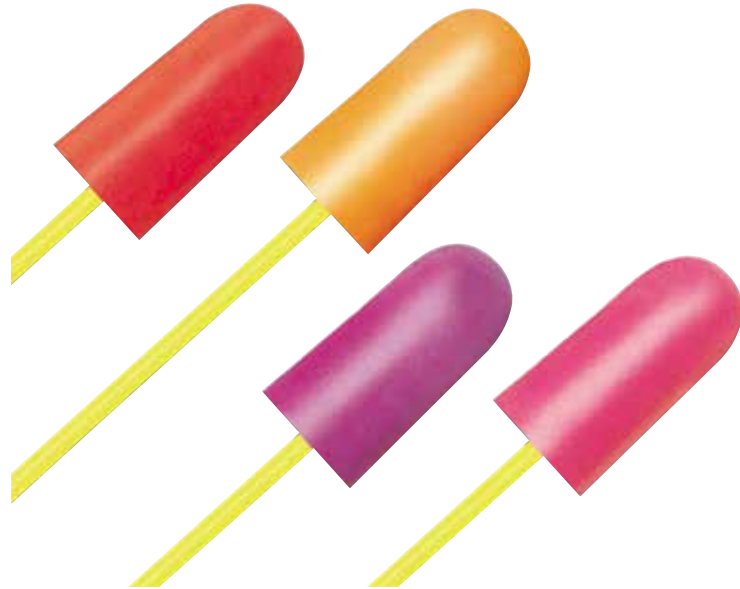


Product Number	UPC Number	Abbreviated General Description	Case Qty
312-1219	10080529 12013 4	TaperFit 2 Regular Earplug Uncorded	2,000 PR
312-1223	10080529 12017 2	TaperFit 2 Regular Earplug Corded	2,000 PR
312-1221	10080529 12015 8	TaperFit 2 Large Earplug Uncorded	2,000 PR
312-1224	10080529 12018 9	TaperFit 2 Large Earplug Corded	2,000 PR

# Disposable Foam Earplugs

## 3M™ Nitro™ Earplugs

With today's louder lifestyles, younger workers are an even bigger challenge when encouraging hearing protection compliance. Nitro earplugs offer a variety of eye-popping colors in each dispenser box, which promotes hearing protection compliance sighting. Advanced foam formulation conforms to the unique shape of each ear for enhanced comfort.



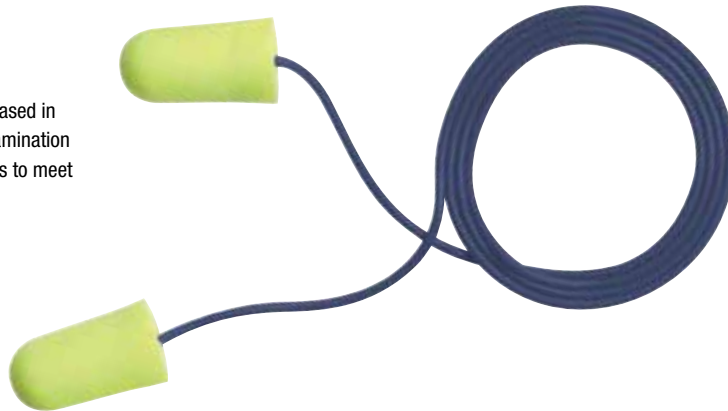
Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	

NRR 32 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
P1001	10093045 98013 7	Nitro Earplug Corded	1,000 PR
P1000	10093045 98012 0	Nitro Earplug Uncorded	2,000 PR

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

All metal detectable earplugs have an integral stainless steel bead encased in the earplug. Ideal for use in food manufacturing industries, when contamination prevention is critical. Available in a variety of comfortable earplug styles to meet most wearer preferences and environmental needs.



Available with Cord	✓
Moisture Resistant	
Reusable	✓
Metal Detectable	✓
Slow-Recovery Foam	✓
No Roll-Down Required	✓**

NRR values included in the description box below.

Product Number	UPC Number	Abbreviated General Description	Case Qty
311-4101	10080529 11031 9	Classic Plus Metal Detectable Earplug with Metal Detectable Cord NRR 33 dB*	2,000 PR
311-4106	10080529 11042 5	E-A-Rsoft Yellow Neons Metal Detectable Earplug with Metal Detectable Cord NRR 32 dB*	2,000 PR
311-4109	10080529 19103 5	E-A-Rsoft SuperFit Metal Detectable Earplug with Metal Detectable Cord NRR 32 dB*	2,000 PR
318-3000	10080529 19014 4	Push-Ins Metal Detectable Earplug with Metal Detectable Cord NRR 28 dB**	2,000 PR
311-1127	10080529 11052 4	Express Pod Plug Metal Detectable Earplug Corded NRR 25 dB**	400 PR
340-4007	10080529 40004 5	Reusable UltraFit Metal Detectable Earplug with Metal Detectable Cord NRR 25 dB**	400 PR
340-4017	10080529 40048 9	Reusable UltraFit Metal Detectable Earplug Econopack NRR 25 dB**	2,000 PR



# 3M™ E-A-R™ Dispensers



## 3M™ E-A-R™ One Touch™ Dispenser

The One Touch dispenser offers convenient earplug access for workers. The “No Waste Funnel” delivers earplugs with each turn. The reusable, free-standing base can be re-stocked with One Touch refills of our most popular earplugs. Versatile design includes tabletop or wall-mount options for convenient dispensing.



Product Number	UPC Number	Abbreviated General Description	Case Qty
391-1000	10080529 91000 1	One Touch Dispensing Unit with Stand	1 EA
391-1001	10080529 91001 8	E-A-R Classic One Touch Refill	2,000 PR
391-1002	10080529 91002 5	E-A-R Classic SuperFit 30 One Touch Refill	2,000 PR
391-1004	10080529 91004 9	E-A-Rsoft Yellow Neons Regular One Touch Refill	2,000 PR
391-1005	10080529 91005 6	E-A-Rsoft Yellow Neons Large One Touch Refill	1,600 PR
391-1010	10080529 91012 4	E-A-Rsoft Yellow Neon Blasts Reg. One Touch Refill	2,000 PR
391-1254	10080529 91010 0	E-A-Rsoft SuperFit Reg. One Touch Refill	2,000 PR
391-1100	10080529 19102 1	3M 1100 Foam Earplug One Touch Refill	2,000 PR
390-1201	10078371 66638 2	Classic Earplug Uncorded in Rapid Release Dispensing Box	2,000 PR
390-1250	10078371 66639 9	E-A-Rsoft Yellow Neons Regular Earplug Uncorded in Rapid Release Dispensing Box	2,000 PR
390-1252	10078371 66640 5	E-A-Rsoft Yellow Neon Blast Regular Earplug Uncorded in Rapid Release Dispensing Box	2,000 PR
390-1262	10078371 66641 2	E-A-Rsoft FX Earplug Uncorded in Rapid Release Dispensing Box	2,000 PR

## 3M™ E-A-R™ Vending Packs

Earplugs conveniently packaged for vending purposes.



Product Number	UPC Number	Abbreviated General Description	Case Qty
VP311-1101	10093045 93247 1	Classic Corded Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR
VP312-1201	10080529 19091 5	Classic Uncorded Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR
VP318-1001	10080529 19092 2	Push-ins Corded Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR
VP340-4004	10093045 93248 8	UltraFit Corded Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR
VP311-1115	10080529191417	Express Pod Plugs Corded Earplugs, Vend Pack, 4 pair/pack, 125 packs/case	500 PR
VP-P1301	10080529191424	Skull Screws Corded Earplugs, Vend Pack, 4 pair/pack, 125 packs/case	500 PR
VP311-1250	10080529191431	E-A-Rsoft Yellow Neons Regular Corded Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR
VP-P3000	10080529191448	Tri-Flange Corded Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR
VP312-1250	10080529191455	E-A-Rsoft Yellow Neons Regular Uncorded Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR
VP311-4106	10080529191462	E-A-Rsoft Metal Detectable Corded Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR
VP311-1252	10080529191479	E-A-Rsoft Yellow Neon Blasts Regular Corded Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR
VP340-4007	10080529191486	UltraFit Metal Detectable Corded Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR
VP1100	10080529191493	1100 Uncorded Foam Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR
VP312-1260	10080529191509	E-A-Rsoft FX Corded Earplugs, Vend Pack, 5 pair/pack, 100 packs/case	500 PR

detection



protection



validation



# 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™ E-A-R™ Push-to-Fit Earplugs



## 3M™ E-A-R™ Express™ Pod Plugs™ Earplugs

The unique pod design of Express earplugs allows the foam to compress easily so the earplug slides gently into the ear and expands slowly, helping to make an effective seal for most ear canals. A flexible stem makes inserting easy.



Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable (311-1127 only)	✓
Slow-Recovery Foam	✓
No Roll-Down Required	✓

**NRR 25 dB\***

Product Number	UPC Number	Abbreviated General Description	Case Qty
311-1114	10080529 11010 4	Express Blue Grips Earplug Corded, Pillow Pack	400 PR
311-1115	10080529 11011 1	Express Assorted Color Grips Earplug Corded, Pillow Pack	400 PR
321-2100	10080529 21000 2	Express Blue Grips Earplug Uncorded, Pillow Pack	400 PR
321-2200	10080529 21011 8	Express Assorted Color Grips Earplug Uncorded, Pillow Pack	400 PR
311-1127	10080529 11052 4	Express Metal Detectable Earplug Corded	400 PR

## 3M™ Pistonz™ Earplugs

These earplug tips look like metal, but feel ultra-soft. They are made of a specially formulated foam that is so soft and comfortable the earplugs can be worn all day long. The cylindrical shape is designed for most size ears. The stem is stiff enough to insert yet is designed to flex sideways if impacted during wear. No need to roll foam tips before inserting. Just grip the stem and insert tip into the ear — right out of the package.



Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	✓

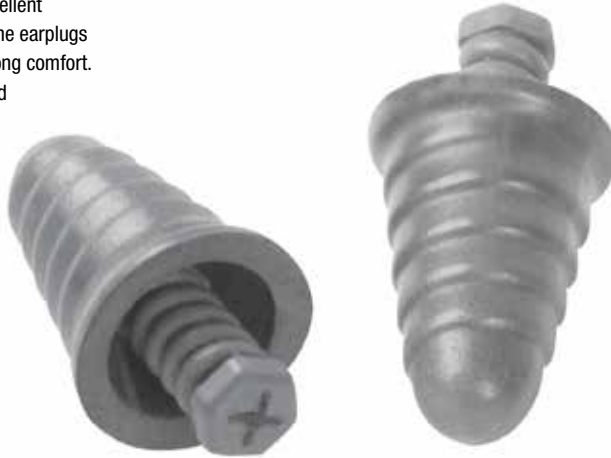
**NRR 29 dB\***

Product Number	UPC Number	Abbreviated General Description	Case Qty
P1401	10093045 93402 4	Pistonz Earplug Corded	400 PR
P1401A	10051131 37051 4	Pistonz Earplug Corded 2-Pack	50 PR
P1400	10093045 93401 7	Pistonz Earplug Uncorded	400 PR

# Push-to-Fit Earplugs

## 3M™ Skull Screws™ Earplugs

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 and hearing protection compliance at the same time.



Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	✓

NRR 32 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
P1300	10093045 92951 8	Skull Screws Earplug Uncorded	480 PR
P1301	10093045 92952 5	Skull Screws Earplug Corded	480 PR

## 3M™ No-Touch™ Foam Earplugs

Soft, purple No-Touch foam earplugs create a hygienic, noise-reducing seal in the ear with soft foam, a smooth tapered shape and paddle stems. Push-to-fit design makes inserting hearing protection easy, with no roll-down required. Available with or without cord.



Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	✓

NRR 29 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
P2001	10093045 98015 1	No-Touch Earplug Corded	400 PR
P2000	10093045 98014 4	No-Touch Earplug Uncorded	400 PR



## 3M™ E-A-R™ Push-Ins™ Earplugs

No roll-down is required with these earplugs. A gentle push is all it takes for easy, consistent insertion. Blue stem makes insertion and removal easy and helps keep the tips clean when the wearer's hands are dirty. The unique, soft 3M™ E-A-Rform™ Foam Tip is shaped and sized to mold comfortably for most ears.



Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable (318-3000 only)	✓
Slow-Recovery Foam	✓
No Roll-Down Required	✓

**NRR 28 dB\***

Product Number	UPC Number	Abbreviated General Description	Case Qty
318-1001	10080529 18001 5	Push-Ins Earplug Corded	400 PR
318-1005	10080529 18005 3	Push-Ins Earplug Corded, Econopack	1,500 PR
318-1003	10080529 18003 9	Push-Ins Earplug Corded	2,000 PR
318-1000	10080529 18000 8	Push-Ins Earplug Uncorded	400 PR
318-1004	10080529 18004 6	Push-Ins Earplug Uncorded, Econopack	1,500 PR
318-1002	10080529 18002 2	Push-Ins Earplug Uncorded	2,000 PR
318-3000	10080529 19014 4	Push-Ins Metal Detectable Earplug with Metal Detectable Cord	2,000 PR
VP318-1001	10080529 19092 2	Push-Ins Earplug Corded, Vending Pack	500 PR

## 3M™ E-A-R™ Push-Ins™ with Grip Rings

Push-Ins earplugs with patented grip rings gently seal the ear. The flexible stem makes insertion and removal easy and helps keep the tips clean when the wearer's hands are dirty. Foam tips made of soft polyurethane foam.



Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	✓

**NRR 30 dB\***

Product Number	UPC Number	Abbreviated General Description	Case Qty
318-1009	10080529 18011 4	Push-Ins with Grip Rings Earplug Corded	2,000 PR
318-1008	10080529 18010 7	Push-Ins with Grip Rings Earplug Uncorded	2,000 PR

3M™ E-A-R™

# Push-to-Fit Earplugs

## 3M™ E-A-R™ Push-Ins™ SofTouch™ Earplugs

No roll-down convenience and easy grip handle for quick insertion and removal. The soft, tapered foam tips enhance comfort.



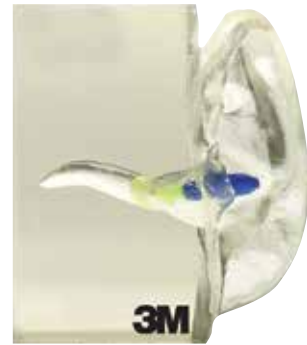
Available with Cord	✓
Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	✓

NRR 31 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
318-4001	10080529 18018 3	Push-Ins SofTouch Earplug Corded	2,000 PR
318-4000	10080529 18017 6	Push-Ins SofTouch Earplug Uncorded	2,000 PR

## 3M™ E-A-R™ Support Materials

A variety of tools and materials to help you with your hearing conservation training.



Product Number	UPC Number	Abbreviated General Description	Case Qty
319-1001	10080529 19001 4	Listen Up! Sample Box of 18 different E-A-R Earplugs	1 EA
319-1002	10080529 19002 1	Clear Ear	1 EA
319-1003	10080529 19003 8	Roll Model	1 EA
390-9003	10080529 90005 7	Earplug Carrying Case with Chain	200 EA
85099-00000	10078371 85099 6	Ear Gauge Ear canal Sizing Tool	50 EA

detection



protection



validation



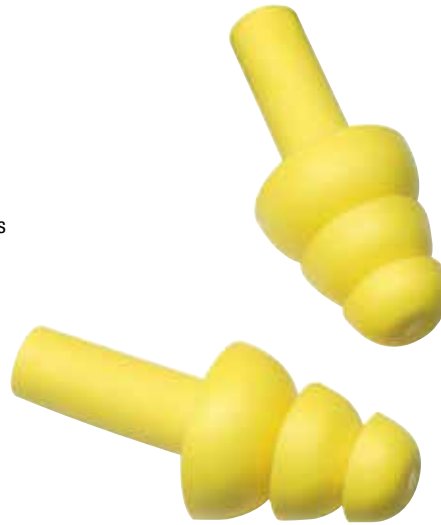
# Reusable Earplugs

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.

# Reusable Earplugs

## 3M™ E-A-R™ UltraFit™ Earplugs

A proven triple-flange design and pliable, premolded material make UltraFit earplugs a good option 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 inserting, simply push them into the ears for clean and comfortable noise reduction.



Available with Cord	✓
Moisture Resistant	✓
Reusable	✓
Metal Detectable	✓
Slow-Recovery Foam	✓
No Roll-Down Required	✓

NRR 25 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
340-4002	10080529 40001 4	UltraFit Earplug Corded, with Case	200 PR
340-4004	10080529 40003 8	UltraFit Earplug Corded	400 PR
340-4036	10080529 40051 9	UltraFit Earplug with Natural Cotton Cord	400 PR
340-4044	10080529 40038 0	UltraFit Earplug with Cloth Cord, Paper Envelope	400 PR
VP340-4004	10093045 93248 8	UltraFit Earplug Corded, 5-Pair Vending Pack	500 PR
340-4014	10080529 40053 3	UltraFit Earplug Corded, Econopack	2,000 PR
340-4001	10080529 40000 7	UltraFit Earplug Uncorded, with Case	200 PR
340-4003	10080529 40002 1	UltraFit Earplug Uncorded	400 PR
340-4007	10080529 40004 5	UltraFit Metal Detectable Earplug Corded, no Case	400 PR
340-4017	10080529 40048 9	UltraFit Metal Detectable Earplug, Econopack	2,000 PR

## 3M™ E-A-R™

## UltraFit™ 27 Earplugs

Soft, flexible triple-flange tips provide enhanced insertion and noise reduction. Pistol-grip stems provide fingertip control for easy inserting. UltraFit 27 earplugs provide the highest NRR of our reusable earplugs.



Available with Cord	✓
Moisture Resistant	✓
Reusable	✓
Metal Detectable	✓
Slow-Recovery Foam	✓
No Roll-Down Required	✓

NRR 27 dB\*

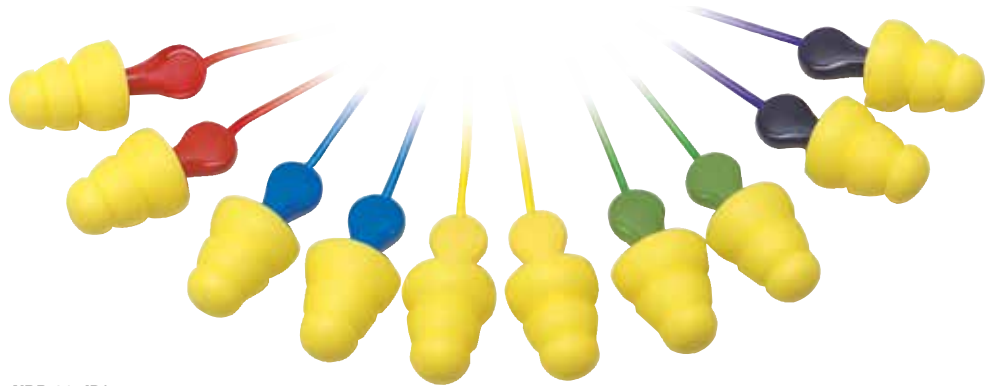
Product Number	UPC Number	Abbreviated General Description	Case Qty
340-8002	10080529 40055 7	UltraFit 27 Earplug Corded	400 PR
340-8001	10080529 40054 0	UltraFit 27 Earplug Uncorded	400 PR





## 3M™ E-A-R™ UltraFit™ Plus™ Earplugs

UltraFit Plus earplugs offer quick, hygienic and easy inserting with paddle-style stems. A variety of stem colors are available. An optional storage case keeps earplugs clean when not in use.



Available with Cord	✓
Moisture Resistant	✓
Reusable	✓
Metal Detectable	
Slow-Recovery Foam	
No Roll-Down Required	✓

**NRR 26 dB\***

Product Number	UPC Number	Abbreviated General Description	Case Qty
340-6002	10080529 40040 3	UltraFit Plus Earplug Corded, with Case	200 PR
340-6004	10080529 40042 7	UltraFit Plus Earplug Corded	400 PR

## 3M™ E-A-R™ ARC Plug™ Earplugs

E-A-R ARC Plug earplugs can be used in two different protection modes. When the yellow tips are worn, users can hear conversation, signals and other critical sounds clearly, without attenuation. If an arc flash occurs, the patented noise filter activates immediately to suppress the noise to a lower level – without dangerous delay – reducing the chance of hearing damage. When the red tips are worn in the ear, ARC Plug earplugs help provide protection against extended exposures to potentially hazardous, continuous noises.



Available with Cord	✓
Moisture Resistant	✓
Reusable	✓
Metal Detectable	
Slow-Recovery Foam	
No Roll-Down Required	✓

**NRR 22 dB\*** in Continuous Protection mode (red tips)  
**NRR 0 dB\*** in Arc Flash protection mode (yellow tips)

Product Number	UPC Number	Abbreviated General Description	Case Qty
370-2000	10080529 70012 1	ARC Plug Dual-Ended Earplug with dielectric plastic chain and carrying case	10 PR

# Reusable Earplugs

## 3M™ E-A-R™ Hi-Fi Earplugs

Hi-Fi earplugs feature a unique acoustic filter in the stem that helps provide a moderate amount of noise reduction with minimal distortion to allow the listener to hear sounds, especially music, more naturally. Proprietary, premolded, triple-flange design allows for easy insertion.



Available with Cord	
Moisture Resistant	✓
Reusable	✓
Metal Detectable	
Slow-Recovery Foam	
No Roll-Down Required	✓

NRR 12 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
410-3019	10080529 90590 8	Hi-Fi Earplugs	48 PR

## 3M™ Tri-Flange™ Earplugs

Soft, flexible flanges adapt to the shape of the ear canal to comfortably reduce exposure to noise. The plastic stem allows the wearer to insert the earplugs quickly and easily without touching the premolded tips. Choose from a vinyl or cloth cord.



Available with Cord	✓
Moisture Resistant	✓
Reusable	✓
Metal Detectable	
Slow-Recovery Foam	
No Roll-Down Required	✓

NRR 26 dB\*

Product Number	UPC Number	Abbreviated General Description	Case Qty
P3000	10093045 98016 8	Tri-Flange Earplug Corded	400 PR
P3001	10093045 98017 5	Tri-Flange Earplug with Cloth Cord	400 PR



# Once you lose your hearing it's gone forever

Noise is everywhere. And much of it can be harmful to your hearing. Detecting and monitoring noise exposures in your work environment is the first step in protecting workers.

According to the National Institutes of Health, 36 million (17%) Americans report some degree of hearing loss, and it is estimated that 26 million Americans between the ages of 20 and 69 have a hearing loss due to noise exposure.\*

**We know you can hear LOUD, but can you hear SOFT?  
Soft sounds matter. Do Yourself a Favor – Save Your Hearing!**

3M is harnessing a chain reaction of new ideas that deliver innovatively easy solutions to complex hearing protection challenges. Discover the wide range of hearing protectors available from 3M – a global leader in detection, protection, and validation solutions.

**Repeated exposure to loud sounds, greater than 85 dBA, can cause permanent hearing loss and tinnitus. Other health effects related to noise include stress, anxiety, hypertension, sleep disturbance and fatigue.**

\*<http://www.nidod.nih.gov/health/statistics/Pages/quick.aspx>

detection



protection



validation



# 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. Banded hearing protectors offer simplicity to help ensure your workers are receiving the right level of protection. Most models are available with replacement tips, which make them a very cost-effective option.

# Banded Hearing Protectors



## 3M™ E-A-Rflex™ Hearing Protectors

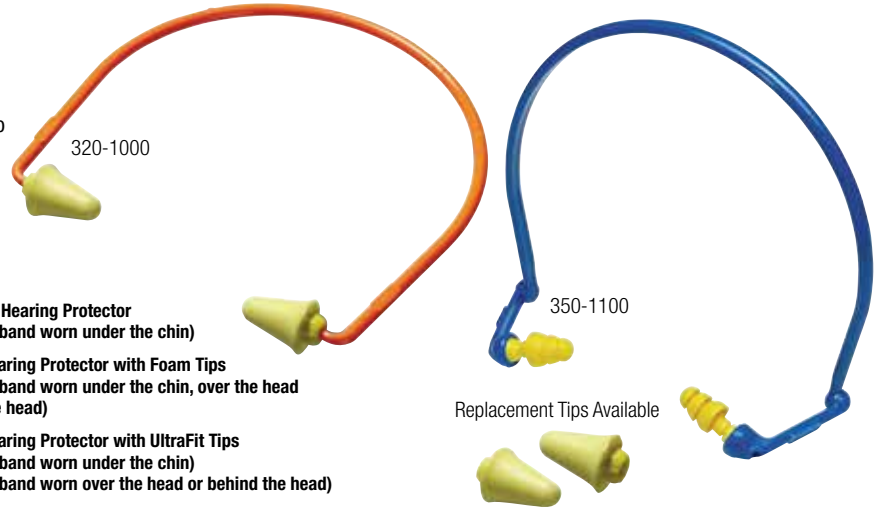
A comfortable, effective, lightweight alternative to earmuffs; helps provide excellent noise reduction. Great for people who fit and remove their hearing protection frequently. Soft tips pivot to help maintain a comfortable, noise-blocking seal. Band may be worn in multiple positions.

- Moisture Resistant
- Reusable ✓
- Metal Detectable
- Slow-Recovery Foam ✓
- No Roll-Down Required ✓

**E-A-Rflex 28 Hearing Protector**  
NRR 28 dB\* (band worn under the chin)

**E-A-Rflex Hearing Protector with Foam Tips**  
NRR 25 dB\* (band worn under the chin, over the head or behind the head)

**E-A-Rflex Hearing Protector with UltraFit Tips**  
NRR 27 dB\* (band worn under the chin)  
NRR 24 dB\* (band worn over the head or behind the head)



Product Number	UPC Number	Abbreviated General Description	Case Qty
320-1000	10080529 20006 5	E-A-Rflex 28 Hearing Protector	100 EA
320-1001	10080529 19063 2	E-A-Rflex 28 Replacement Tips	50 PR
350-1001	10080529 50007 3	E-A-Rflex Hearing Protector with Foam Tips	100 EA
350-1002	10080529 19064 9	E-A-Rflex Foam Replacement Tips	50 PR
350-1100	10080529 50020 2	E-A-Rflex Hearing Protector with UltraFit Tips	100 EA

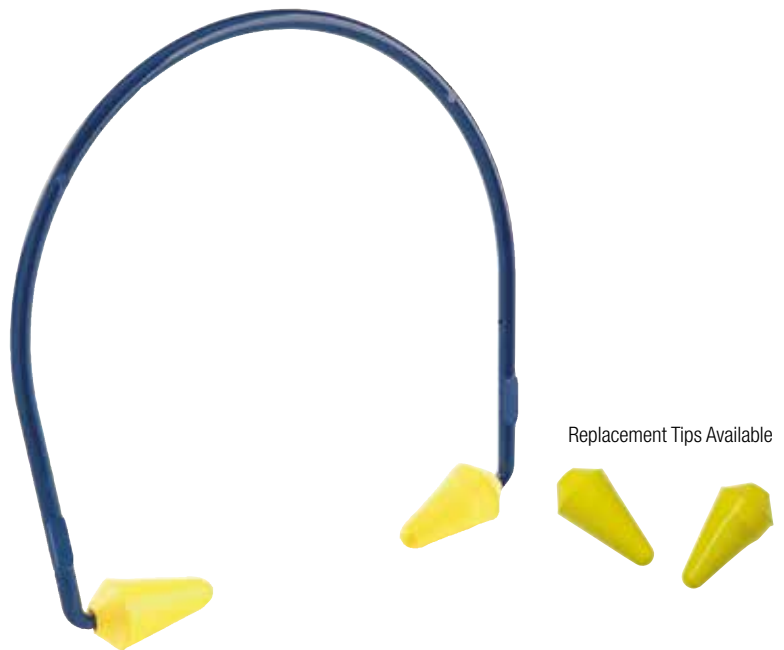
## 3M™ E-A-R™ Caboflex™ Hearing Protectors

This lightweight, banded hearing protector is great when moving in and out of high noise areas, fitting comfortably around the neck when not in use. Each cone-shaped tip pivots to align with the ear, providing comfortable hearing protection against noise. Band may be worn under the chin or behind the head.

- Moisture Resistant ✓
- Reusable ✓
- Metal Detectable
- Slow-Recovery Foam ✓
- No Roll-Down Required ✓

**NRR 17 dB\***  
(behind-the-head)

**NRR 20 dB\***  
(under-the-chin)



Product Number	UPC Number	Abbreviated General Description	Case Qty
320-2001	10080529 20000 3	Caboflex Model 600 Hearing Protector	100 EA
320-2004	10080529 19065 6	Caboflex Model 600 Replacement Tips	50 PR

# Banded Hearing Protectors

## 3M™ E-A-Rcaps™ Hearing Protectors

One of the lightest banded hearing protectors on the market, E-A-Rcaps banded hearing protectors feature comfortable foam caps on a flexible band to block the ear canal opening. Great for visitors to a noisy facility or people who need hearing protection for short periods of time.



Replacement Tips Available



Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	✓

**NRR 17 dB\***  
(band worn under the chin)

Product Number	UPC Number	Abbreviated General Description	Case Qty
321-2101	10080529 21001 9	E-A-Rcaps Model 200 Hearing Protector	100 EA
321-2103	10080529 19066 3	E-A-Rcaps Model 200 Replacement Tips	50 PR

## 3M™ E-A-R™ Swerve™ Banded Hearing Protector

Comfort meets performance as the unique Swerve banded earplugs incorporate a cutting-edge band design with the effectiveness of E-A-R foam earplugs. The ergonomic design minimizes interference, and the neckband shape helps eliminate contact with collars and headgear, which reduces band sound transmission. The band slides forward and backward for custom neck and ear positioning. It is also supplied with a removable cotton lanyard.



Replacement Tips Available



Moisture Resistant	
Reusable	
Metal Detectable	
Slow-Recovery Foam	✓
No Roll-Down Required	✓

**E-A-RFlex 28 Tips 28 Tips – NRR 28 dB\***  
**Comfort Pods – NRR 19 dB\***

Product Number	UPC Number	Abbreviated General Description	Case Qty
322-2000	10080529 22004 9	Swerve Banded Hearing Protector	10 EA
322-2001	10080529 19067 0	Replacement Comfort Pod Tips	50 PR
320-1001	10080529 19063 2	E-A-RFlex 28 Replacement Tips	50 PR

detection



protection



validation



# Earmuffs

Earmuffs are a popular choice in hearing protection due to their ease of use and consistent fit. Available in headband, neckband, hard hat attached and folding models, earmuffs help meet hearing protection needs in many common applications.

# 3M™ PELTOR™ Earmuffs

## 3M™ PELTOR™ Earmuffs X Series

X Series earmuffs combine 3M PELTOR's legendary hearing protection knowledge with our most advanced technologies, creating our most comfortable, durable earmuff. A broad range of protection levels make it easier to find the correct level of protection.



**Comfort:** Internal stainless steel wire headband helps maintain consistent pressure over an 8-hour period for a consistent comfortable fit

**Protection:** Electrically insulated headband\*\* with no exposed wires helps protect from low voltage electrical hazards

**Comfort:** Twin headband design helps lessen heat build up on top of head

**Durability:** Stainless steel wire core reinforced with hard plastic helps make headband the most durable 3M has to offer

**Comfort:** Carefully molded plastic guides help make the cup easy to adjust while the earmuff is on the head

**Comfort:** Flat, wide headband with soft plastic coating helps provide stable pressure on top of the head for enhanced comfort

**Durability:** Soft outer cup coating helps protect from abrasion and bumps

**Comfort:** Designed to optimize weight distribution and balance for outstanding comfort

**Durability:** ABS plastic cups are rigid, high strength, and impact resistant

**Comfort:** Large space inside ear cups allows for a comfortable fit over a wide range of ear sizes

**Design:** Modern, sleek design helps promote users to wear them

**Comfort:** Wide, soft foam ear cushions designed for high comfort and an effective seal with the head

X1-X3 offers a unique color coding system to visually identify the level of protection being worn.



**X1 - Green**  
Ultra slim earmuffs for low noise level environments  
NRR 22 dB (Over-the-Head), NRR 21 dB (Hard Hat-Attached)

**X2 - Yellow**  
Lightweight earmuffs for low - moderate noise level environments  
NRR 24 dB (Over-the-Head), NRR 24 dB (Hard Hat-Attached)

**X3 - Red**  
High protection earmuffs for moderate - high noise level environments  
NRR 28 dB (Over-the-Head), NRR 25 dB (Hard Hat-Attached)

Product Number	UPC Number	Abbreviated General Description	Case Qty
X1A	10093045937230	Over-the-Head Earmuff NRR 22 dB*	10 EA
X1P3E	10093045937285	Hard Hat-Attached Earmuff NRR 21 dB*	10 EA
HYX1	10093045937339	Replacement Hygiene Kit, 1 Pr	10 EA
X2A	10093045937247	Over-the-Head Earmuff NRR 24 dB*	10 EA
X2P3E	10093045937292	Hard Hat-Attached Earmuff NRR 24 dB*	10 EA
HYX2	10093045937346	Replacement Hygiene Kit, 1 Pr	10 EA
X3A	10093045937254	Over-the-Head Earmuff NRR 28 dB*	10 EA
X3P3E	10093045937308	Hard Hat-Attached Earmuff NRR 25 dB*	10 EA
HYX3	10093045937353	Replacement Hygiene Kit, 1 Pr	10 EA





## 3M™ PELTOR™ Earmuffs X4

The X4 combines high attenuation with a sleek, low-profile and light weight design. The fluorescent yellow-green color provides high visibility, while the innovative foam earcup inserts and spacers help boost attenuation while adding little bulk or weight.

- Model X4A features an electrically insulated (dielectric) wire headband\*\*
- Lighter and smaller cup profile than the X3 with nearly the same level of attenuation
- ABS plastic spacer helps increase the level of attenuation while adding little bulk
- Proprietary high density, slow recovery 3M™ E-A-R™ CONFOR™ foam ear cushion helps create higher levels of comfort and attenuation
- Color coded fluorescent yellow-green for excellent visibility



## 3M™ PELTOR™ Earmuffs X5

The X5 offers highest earmuff Noise Reduction Rating (NRR) in the market today for very high noise situations. The high attenuation provided by these earmuffs is a result of the combination of specially-formulated foam in the earcups and cushions and the innovative spacer and cup design.

- Model X5A features an electrically insulated (dielectric) wire headband\*\*
- Twin headband design helps reduce heat buildup with good fit and balance
- Combination of new technologies allows for more room inside the earcup, helping provide a more comfortable fit over a wide range of ear sizes
- Despite larger earcups, X5 is lightweight with excellent balance and comfort
- High noise attenuation, NRR 31 dB\* in both headband and hard hat-attached models



Product Number	UPC Number	Abbreviated General Description	Case Qty
X4A	10093045937261	Over-the-Head Earmuff NRR 27 dB*	10 EA
X4P3E	10093045937315	Hard Hat-Attached Earmuff NRR 25 dB*	10 EA
HYX4	10093045937360	Replacement Hygiene Kit, 1 Pr	10 EA
X5A	10093045937278	Over-the-Head Earmuff NRR 31 dB*	10 EA
X5P3E	10093045937322	Hard Hat-Attached Earmuff NRR 31 dB*	10 EA
HYX5	10093045937377	Replacement Hygiene Kit, 1 Pr	10 EA

\*\*Electrically-Insulated Headband. The metal components of the X Series standard headband models have been covered by non-conductive material for use in a low voltage electrical hazard (less than 440 V ac). As there are no applicable standards for testing earmuffs against electrical insulating properties, the product has been evaluated at an external laboratory against a modified test method based on EN397:1995. During assessment, the leakage current did not exceed 1.2mA when the external surface of the product made contact with an electrical source. The user must determine the overall suitability of this product for the intended application taking into account any hazards other than noise for which this product is tested.

# 3M™ PELTOR™ Earmuffs

## 3M™ PELTOR™ Optime™ 105 Earmuffs

Proprietary dual-cup design and soft, foam-filled cushions help provide high attenuation and outstanding comfort. Recommended for TWA noise exposures up to 105 dBA.†

Electrically Insulated (Dielectric)	✓
Neckband	✓
Folding Headband	✓
Hard Hat Attached	✓
Hi-Viz	✓
Liquid/Foam-Filled Cushions	✓
Hygiene Kit	✓



Product Number	UPC Number	Abbreviated General Description	Case Qty
H10A	10093045 08101 8	Over-the-Head Dual Cup Earmuff NRR 30 dB*	10 EA
H10A HV	10093045 98172 1	Hi-Viz Over-the-Head Green Dual Cup Earmuff NRR 30 dB*	10 EA
H10B	10093045 08102 5	Behind-the-Head Dual Cup Earmuff NRR 29 dB*	10 EA
H10P3E	10093045 08103 2	Hard Hat Attached Dual Cup Earmuff NRR 27 dB*	10 EA
H10P3E-01	10093045 97830 1	Hard Hat Attached Dual Cup Electrically Insulated (Dielectric) Earmuff NRR 27 dB*	10 EA
HY10	10093045 08104 9	Hygiene Kit 1 Pr Cushions/1 Pr Foam Inserts for H10 Series	20 KITS

## 3M™ PELTOR™ Optime™ 101 Earmuffs

Soft, wide ear cushions and stainless steel band allow for even pressure and extra comfort. Recommended for TWA noise exposures up to 101 dBA.†

Electrically Insulated (Dielectric)	✓
Neckband	✓
Folding Headband	✓
Hard Hat Attached	✓
Hi-Viz	✓
Liquid/Foam-Filled Cushions	✓
Hygiene Kit	✓



Product Number	UPC Number	Abbreviated General Description	Case Qty
H7A	10093045 08071 4	Over-the-Head Green Earmuff NRR 27 dB*	10 EA
H7B	10093045 08072 1	Behind-the-Head Green Earmuff NRR 26 dB*	10 EA
H7P3E	10093045 08073 8	Hard Hat Attached Green Earmuff NRR 24 dB*	10 EA
H7P3E-01	07318640 05165 2	Hard Hat Attached Electrically Insulated (Dielectric) Green Earmuff NRR 24 dB*	10 EA
HY7	10093045 08770 6	Replacement Hygiene Kit for H7 Type Hearing Protectors	20 KITS



## 3M™ PELTOR™ Optime™ 98 Earmuffs

Stainless steel headband construction resists bending and warping. Earcup points tilt for comfort and efficiency. Ultra light. Recommended for TWA noise exposures up to 98 dBA.†

Electrically Insulated (Dielectric)	
Neckband	
Folding Headband	
Hard Hat Attached	✓
Hi-Viz	
Liquid/Foam-Filled Cushions	✓
Hygiene Kit	✓



Product Number	UPC Number	Abbreviated General Description	Case Qty
H9A	10093045 08091 2	Over-the-Head Yellow Earmuff NRR 25 dB*	10 EA
H9P3E	10093045 08093 6	Hard Hat Attached Yellow Earmuff NRR 23 dB*	10 EA
HY3	07318640 05161 4	Replacement Hygiene Kit 1 Pr Cushions/1 Pr Foam Inserts for H9 and H31 Type Hearing Protectors	20 KITS

## 3M™ PELTOR™ Optime™ 95 Earmuffs

Optime 95 earmuffs feature low profile earcups to make them easy to use with other safety gear. Stainless steel bands resist bending and warping. Multi-position designs available. Recommended for TWA noise exposures up to 95 dBA.†

Electrically Insulated (Dielectric)	
Neckband	✓
Folding Headband	✓
Hard Hat Attached	✓
Hi-Viz	
Liquid/Foam-Filled Cushions	✓
Hygiene Kit	✓



Product Number	UPC Number	Abbreviated General Description	Case Qty
H6A/V	10093045 08061 5	Low Profile Over-the-Head Beige Earmuff NRR 21 dB*	10 EA
H6B/V	10093045 08062 2	Low Profile Behind-the-Head Beige Earmuff NRR 21 dB*	10 EA
H6F/V	10093045 08063 9	Low Profile Folding Beige Earmuff NRR 21 dB*	10 EA
H6P3E/V	10093045 08065 3	Low Profile Hard Hat Attached Beige Earmuff NRR 21 dB*	10 EA
HY6/V	07318640 05161 4	Replacement Hygiene Kit 1 Pr Cushions/1 Pr Foam Inserts for H6 Type Hearing Protectors	20 KITS

† The OPTIME number is a guideline for the maximum time-weighted average A-weighted exposures in which the product, when properly worn and in good condition, can provide adequate protection to meet OSHA hearing conservation guidelines. However the employer must make sure that the specific earmuff and style selected provides appropriate protection. OPTIME recommendations are based upon testing per Method B of the most recent ANSI standard, S12.6\_1997 (R2002). For more information about OSHA requirements for determining the adequacy of hearing protection, visit [www.osha.gov/SLTC/noisehearingconservation](http://www.osha.gov/SLTC/noisehearingconservation).

# 3M™ PELTOR™ Earmuffs

## 3M™ PELTOR™ H31 Hi-Viz Earmuffs

The earmuff is ultra light and features orange, hi-viz cups for added visibility. This versatile, over-the-head earmuff has a stainless steel headband that resists bending and warping. The earcups help provide comfort with pivot points that tilt and liquid/foam-filled earmuff cushions. The ear cup is designed with a thinner profile at the top of the cup to help improve the fit with other personal protection equipment like hard hats.



Electrically Insulated (Dielectric)

Neckband

Folding Headband

Hard Hat Attached

Hi-Viz

Liquid/Foam-Filled Cushions

Hygiene Kit

Product Number	UPC Number	Abbreviated General Description	Case Qty
H31A	07318640 05164 5	Over-the-Head Orange Earmuff NRR 24 dB*	10 EA
H31P3E	07318640 05163 8	Hard Hat Attached Orange Earmuff NRR 23 dB*	10 EA
HY3	10093045 08770 6	Replacement Hygiene Kit for H9 and H31 Type Hearing Protectors	20 KITS

## 3M™ PELTOR™ Push-to-listen Earmuffs

Push-to-listen earmuffs allow workers to listen to speech conversations in noisy backgrounds without changing their earmuffs. Listeners simply press the button to boost the volume of conversation and other sounds for 30 seconds. Designed for workers in environments where intermittent face-to-face communication is required.



Electrically Insulated (Dielectric)

Neckband

Folding Headband

Hard Hat Attached

Hi-Viz

Liquid/Foam-Filled Cushions

Hygiene Kit

Product Number	UPC Number	Abbreviated General Description	Case Qty
H7A-PTL	10093045 98169 1	PTL Over-the-Head Earmuff NRR 26 dB*	10 EA
H7P3E-PTL	10093045 98170 7	PTL Hard Hat Attached Earmuff NRR 25 dB*	10 EA



## 3M™ PELTOR™ H9A-02 Food Industry Earmuff

Engineered to meet the stringent hygiene demands of the food industry, these comfortable lightweight earmuffs feature a smooth, non-porous headband designed to help prevent food particle accumulation. The lightweight ear cups use a specially-formulated polyurethane replaceable foam insert that is washable and designed to help reduce moisture absorption.

Electrically Insulated (Dielectric)	
Neckband	
Folding Headband	
Hard Hat Attached	
Hi-Viz	
Liquid/Foam-Filled Cushions	✓
Hygiene Kit	✓



Product Number	UPC Number	Abbreviated General Description	Case Qty
H9A-02	100 93045 93638 7	H9A-02 Food Industry Earmuff NRR 26 dB*	10 EA
HY55	100 93045 93639 4	H9A-02 Earmuff Hygiene Replacement Kit (cushions and inserts)	10 EA

## 3M™ PELTOR™ H505B Welding Earmuff

This welding earmuff features a low-profile design that fits comfortably under most welding helmets, as well as a semi-soft cup surface that minimizes scratch sound transmission. With a two-point suspension for balanced pressure distribution, this advanced earmuff delivers the comfortable hearing protection that professionals need in a wide range of welding environments.

Electrically Insulated (Dielectric)	
Neckband	✓
Folding Headband	
Hard Hat Attached	
Hi-Viz	
Liquid/Foam-Filled Cushions	✓
Hygiene Kit	✓



Product Number	UPC Number	Abbreviated General Description	Case Qty
H505B	100 93045 93640 0	Welding Earmuff NRR 17 dB*	10 EA
HY505	100 93045 93641 7	Hygiene Kit	10 EA

# 3M™ E-A-R™ Earmuffs

## 3M™ E-A-R™ Earmuff Model 3000

This earmuff combines excellent attenuation with comfortable durability. It helps provide a protective seal without excess pressure. Pivoting earcup connections help maintain the seal and proper alignment.

- Headband may be worn over the head, behind the head, or under the chin
- Noise Reduction Rating NRR 25 dB\* when the band is worn over the head; NRR 26 dB\* when the band is worn under the chin; NRR 26 dB\* when band is worn behind the head



Electrically Insulated (Dielectric)	✓
Neckband	
Folding Headband	
Hard Hat Attached	
Hi-Viz	
Liquid/Foam-Filled Cushions	
Hygiene Kit	✓

Product Number	UPC Number	Abbreviated General Description	Case Qty
330-3002	10080529 30001 7	Model 3000 Earmuff	24 EA
331-3010	10080529 31007 8	Replacement Earmuff Cushions	150 PR

## 3M™ E-A-R™ Earmuff Model 2000H

Mounts to most hard hats without an adaptor and easily swings out of the way when not in use.

- Lightweight, durable plastic construction
- Works with most slotted hard-hats
- NRR 21 dB\*

Electrically Insulated (Dielectric)	✓
Neckband	
Folding Headband	
Hard Hat Attached	✓
Hi-Viz	
Liquid/Foam-Filled Cushions	
Hygiene Kit	✓



Product Number	UPC Number	Abbreviated General Description	Case Qty
330-3031	10080529 30013 0	Model 2000H Cap Mount Earmuff NRR 21 dB*	24 EA
331-3010	10080529 31007 8	Replacement Earmuff Cushions	150 PR



# 3M™ E-A-R™ Earmuff Model 1000

Low-profile, lightweight earmuffs may be worn with headband over the head, behind the head, or under the chin. Pivoting earcup connections help maintain the seal and proper alignment.

- Durable, lightweight construction
- Noise Reduction Rating NRR 20 dB\* when the band is worn over the head; NRR 22 dB\* when the band is worn under the chin; NRR 22 dB\* when band is worn behind the head

Electrically Insulated (Dielectric)	✓
Neckband	
Folding Headband	
Hard Hat Attached	
Hi-Viz	
Liquid/Foam-Filled Cushions	
Hygiene Kit	✓



Product Number	UPC Number	Abbreviated General Description	Case Qty
330-3001	10080529 30000 0	Model 1000 Earmuff	24 EA
331-3010	10080529 31007 8	Replacement Earmuff Cushions	150 PR

detection



protection



validation



# Smart Solutions

## Easy Communication

3M™ PELTOR™ Products have a broad selection of communication solutions with a variety of hearing protectors for work groups operating in high-noise environments. When using 3M PELTOR Communication Headsets, you'll hear and communicate effectively while reducing potentially hazardous noise.



# Communication Headsets



## 3M™ PELTOR™ Tactical Earplug, TEP-100

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

- Charging contacts recharge the unit while in the case and provide up to 16 hours of continuous operation
- Intuitive one button operation turns unit on, off, and selects between two amplification settings
- Replaceable communications eartip helps provide hearing protection in noisy environments
- Microphone port is covered and flush to help minimize wind noise disturbances



Level-Dependent Technology	✓
Neckband	
Folding Headband	
Hard Hat Attachment	
Listen Only	✓
Bluetooth® Compatible	
Hygiene Kit	

Product Number	UPC Number	Abbreviated General Description	Case Qty
TEP-100	70-0716-5628-7	Tactical Earplug Kit	1 EA
TEP-CORD	70-0716-7379-5	Tactical Earplug Replacement Cord	5 EA/BOX
TEP-100E	70-0716-5025-6	Replacement Earpiece	1 EA
TEP-100C	70-0716-5026-4	Tactical Earplug Replacement Case	1 EA

## 3M™ PELTOR™ E-A-R buds™ Headphones

E-A-R buds headphones allow your team to listen to a wide variety of audio entertainment devices while helping to reduce potentially harmful external noise. E-A-R buds headphones are designed to be comfortable, versatile and durable, and include audio limiting technology and convenient volume controls. With 3M hearing protection in your work environment, you'll hear what you need to while reducing potentially hazardous noise.

- Compatible with devices using a 3.5mm stereo audio jack. (i.e. smartphone or MP3-player)
  - Exposure limiting technology designed to limit audio output to a maximum sound pressure level of 82 dB(A)
  - Includes two noise-isolating ear tip options for greater comfort
- 1) 3M™ PELTOR™ UltraFit™ Replacement Tips, Gray
  - 2) 3M™ PELTOR™ Torque™ Replacement Tips, Gray

Level-Dependent Technology	
Neckband	
Folding Headband	
Hard Hat Attachment	
Listen Only	✓
Bluetooth® Compatible	
Hygiene Kit	



Product Number	UPC Number	Abbreviated General Description	Case Qty
EARbud2600N	10093045 93644 8	E-A-R buds Noise-Isolating Headphones	10 EA
420-2096-25A	10093045 93531 4	E-A-R buds Replacement Tips, UltraFit, Gray, NRR 20 dB*	25 PR
370-1019-10	10093045 93645 8	E-A-R buds Replacement Tips, Skull Screw, Gray, NRR 29 dB*	10 PR

# Communication Headsets

## 3M™ PELTOR™ WorkTunes™ 26 Digital Radio Hearing Protector Headset

Enjoy your favorite AM/FM stations at work with the WorkTunes AM/FM radio headset. It includes five AM presets and five FM presets, along with a 3.5mm jack for audio input from MP3 players and other audio signals. The sound level of the radio is limited to 82 dB. If the reception signal is too weak, the electronics automatically switch to mono for the best possible quality and comprehension.

- Sound is reproduced in stereo with enhanced bass response
- Short, flexible antenna helps provide excellent reception with no annoying interference, even in harsh conditions
- Channel seek/scan



Level-Dependent Technology	
Neckband	
Folding Headband	
Hard Hat Attachment	
Listen Only/Lightweight	✓
Bluetooth® Compatible	
Hygiene Kit	✓

Product Number	UPC Number	Abbreviated General Description	Case Qty
WTD2600	10093045 93068 5	WorkTunes 26 Digital Radio Hearing Protector NRR 26 dB*	1 EA

## 3M™ PELTOR™ Tactical™ 6-S/SoundTrap™ Headsets

The Tactical 6-S and SoundTrap headsets provide comfortable hearing protection for users working in high-noise environments while helping provide environmental listening.\* Slim earcups are designed for extended wear comfort and have separate microphone, receiver, amplifier and volume controls for true stereophonic reception. The small, durable and compact design folds for easy storage.

- Helps reduce exposure to hazardous sounds
- Slimline earcup design for extended wear comfort
- Small, compact and foldable for easy storage



Level-Dependent Technology	✓
Neckband	✓
Folding Headband	✓
Hard Hat Attachment	
Listen Only/Lightweight	✓
Bluetooth® Compatible	
Hygiene Kit	✓

Product Number	UPC Number	Abbreviated General Description	Case Qty
MT15H67BB	10093045 93347 8	Tactical 6-S Headset, Neckband NRR 17 dB*	1 EA
MT15H67FB-01	07318640 00253 1	Tactical 6-S Headset, Headband NRR 20 dB*	1 EA
MT15H67FB	07318640 00240 1	SoundTrap Headset, Headband NRR 21 dB*	1 EA



## 3M™ PELTOR™ Tactical Sport™ Headsets

Tactical Sport headsets help provide a natural, realistic sound, giving users the fastest shut-off and recovery time of any shooter earmuff we've ever made. Our sound amplification boosts your ability to hear low level environmental sounds, while still instantly limiting dangerous noises, like gunfire, to lower listening levels.

- Contoured cups for better stock-weld and sight picture
- Automatic shut-off (2 hour) to conserve battery life
- Extra set of orange cups (on the 479 version)
- Amplifies low level environmental sounds
- Digital Sound Suppression technology

Level-Dependent Technology	✓
Neckband	✓
Folding Headband	✓
Hard Hat Attachment	✓
Listen Only/Lightweight	✓
Bluetooth® compatible	✓
Hygiene Kit	✓



Product Number	UPC Number	Abbreviated General Description	Case Qty
MT16H210F-479-SV	07318640 04528 6	Tactical Sport Electronic Headset NRR 20 dB* (Orange Cups also included)	1 EA

## 3M™ PELTOR™ TacticalPRO™ Headsets

This headset helps provide clear, environmental sound and helps make communication easier in noisy environments. The headset amplifies low-level sounds while suppressing dangerous impulse noise\*.

- Ability to be used with portable radios
- Uses deep earcup design and soft ear cushions for extended wear comfort

Level-Dependent Technology	✓
Neckband	✓
Folding Headband	✓
Hard Hat Attachment	✓
Listen Only/Lightweight	✓
Bluetooth® compatible	✓
Hygiene Kit	✓



Product Number	UPC Number	Abbreviated General Description	Case Qty
MT15H7B SV	07318640 03711 3	TacticalPRO Communications Headset, Neckband NRR 25 dB*	1 EA
MT15H7F SV	07318640 03705 2	TacticalPRO Communications Headset, Headband NRR 26 dB*	1 EA
MT15H7P3E SV	07318640 03710 6	TacticalPRO Communications Headset, Hard Hat Attachment NRR 22 dB*	1 EA

\* CAUTION! When worn according to the User Instructions, this hearing protector helps reduce exposure to both continuous noises, such as industrial noises and noises from vehicles and aircraft, as well as very loud impulse noises, such as gunfire. It is difficult to predict the required and/or actual hearing protection obtained during exposure to impulse noises. For gunfire, the weapon type, number of rounds fired, proper selection, fit and use of hearing protection, proper care of hearing protection, and other variables will impact performance. If your hearing seems dulled or you hear a ringing or buzzing during or after any noise exposure (including gunfire), or for any other reason you suspect a hearing problem, your hearing may be at risk. To learn more about hearing protection for impulse noise, visit [www.3M.com/hearing](http://www.3M.com/hearing).

# 3M™ PELTOR™ Communication Headsets

## 3M™ PELTOR™ WS™ 100 Headsets

The new WS series headsets make it easy for workers to communicate, listen to music and talk on the phone. They help improve awareness by amplifying lower volume sounds like voices, while attenuating higher volume workplace sounds. These innovative headsets offer protection and help enhance worker safety by making it easier to hear regular speech, warning signals and approaching vehicles.

- Noise-canceling electret boom microphone included
- Microphone built into front of right earcup for operational use without using the boom microphone
- Environmental listening cup microphone technology
- 2 AAA rechargeable batteries and charger included
- Input sound control and audio limiting technology to 82 dB (SPL)



Level-Dependent Technology	✓
Neckband	
Folding Headband	✓
Hard Hat Attachment	✓
Listen Only/Lightweight	
Bluetooth® Compatible	✓
Hygiene Kit	✓

Product Number	UPC Number	Abbreviated General Description	Case Qty
MT16H21FWS5UM580	093045 93551 2	WS 100 Communications Headset NRR 20 dB*	1 EA
MT16H21PWS5UM580	0404671 966819 9	WS 100 Communications Hard Hat Attachment NRR 19 dB*	1 EA

## 3M™ PELTOR™ WS™ Tactical Sport™ Headset

The WS Tactical Sport headset allows you to better control what you hear – and don't hear. You can easily adjust the volume of surrounding sounds, filter out certain unwanted frequencies and still be protected from harmful noise levels.\* The Bluetooth® solution makes it possible for wireless connection to a mobile phone or other device for instant and discreet communication.

- Microphone built into front of right earcup for operational use without using the boom microphone
- Environmental listening cup microphone technology
- 2 AAA rechargeable batteries and charger included
- Input sound control and audio limiting technology to 82 dB (SPL)



Level-Dependent Technology	✓
Neckband	
Folding Headband	✓
Hard Hat Attachment	
Listen Only/Lightweight	
Bluetooth® Compatible	✓
Hygiene Kit	✓

Product Number	UPC Number	Abbreviated General Description	Case Qty
MT16H21FWS5U-584	093045 93550 5	WS Tactical Sport Communications Headset NRR 20 dB*	1 EA

**PELTOR™**



## More Smart Solutions for Easy Communication

Noise can create unique challenges for your workforce, and 3M™ PELTOR™ products offer innovative solutions that make it easier for your team to communicate in high-noise environments.

Our dedication to developing communication solutions began over 40 years ago. Today we offer an extensive range of personal safety headsets and 2-way radio accessories for use in manufacturing, construction, shooting, racing, law enforcement and military environments.

From our tactical hearing protectors to our self-contained 2-way radio headsets, 3M PELTOR products deliver the quality and performance needed for clear communication in high noise environments. Our products incorporate the latest technological advances in electronics, materials and designs.

**3M PELTOR: Innovative products. Clear communication. Professional comfort.**

Learn more at [www.3M.com/PELTOR](http://www.3M.com/PELTOR)

**3M**

detection

protection

validation



# Fit Testing Made Easy

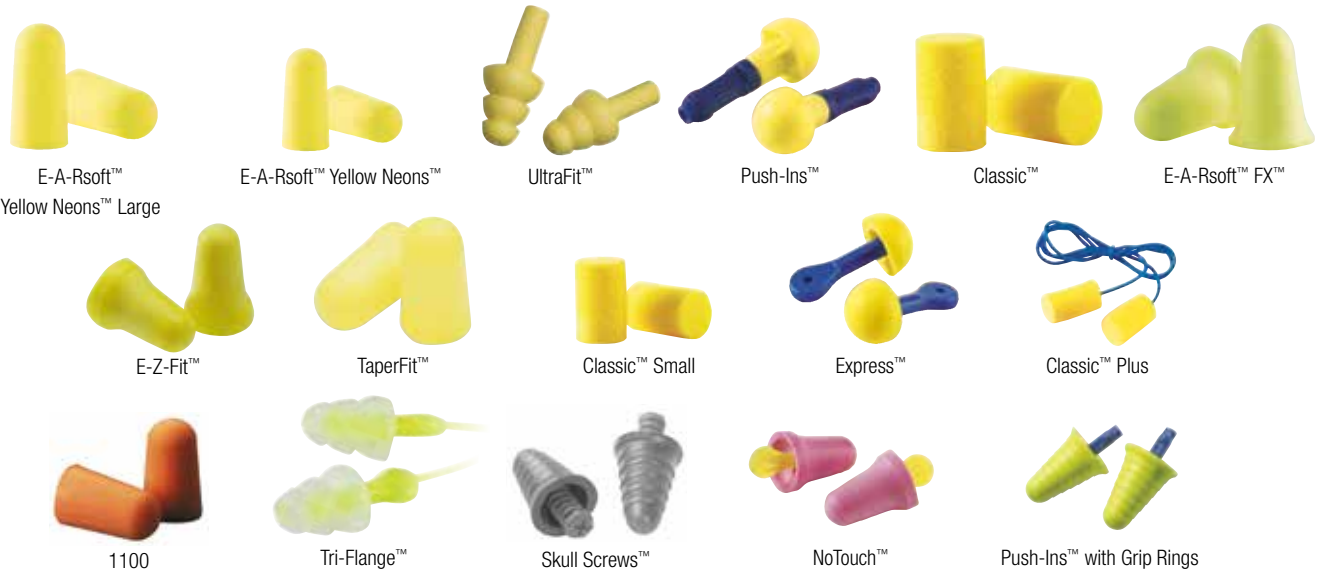
The 3M™ E-A-Rfit™ Validation System measures the level of employee hearing protection generating a personal attenuation rating (PAR) in just 10 seconds per ear. This simple, in-the-field test system can enhance your hearing conservation program by assisting employers with the selection of appropriate protectors for workers and their environments. It also serves as a tool for training proper fitting techniques. Make E-A-Rfit testing a key part of your comprehensive hearing protection program.



## 3M™ E-A-Rfit™ Validation System

The E-A-Rfit validation system is a comprehensive way to test the actual noise reduction workers might receive from their hearing protectors. For more information on this service, please contact your 3M PSD Sales Representative. NOTE: If your customers wish to have someone at their company trained to become an E-A-Rfit Technician so they can test their own employees, please contact a 3M PSD Sales Representative for more information including kits and training.

These earplug styles cover fit validation testing for more than 80 different 3M earplug products.



Product Number	UPC Number	Abbreviated General Description	Case Qty
393-1000	10080529 19023 6	E-A-Rfit Kit – Validation System includes the Software, Speaker and Impact-Resistant Carrying Case	1 KIT
393-2000-50	10080529 19073 1	E-A-Rsoft Yellow Neons Probed Test Plugs	50 PR
393-2001-50	10080529 19074 8	UltraFit Probed Test Plugs	50 PR
393-2002-50	10080529 19075 5	Push-Ins Probed Test Plugs	50 PR
393-2003-50	10080529 19076 2	Classic Probed Test Plugs	50 PR
393-2004-50	10080529 19077 9	E-A-Rsoft FX Probed Test Plugs	50 PR
393-2005-50	10080529 19078 6	E-Z-Fit Probed Test Plugs	50 PR
393-2006-50	10080529 19079 3	TaperFit Probed Test Plugs	50 PR
393-2007-50	10080529 19080 9	Classic Small Probed Test Plugs	50 PR
393-2008-50	10080529 19081 6	Express Probed Test Plugs	50 PR
393-2009-50	10080529 19082 3	Classic Plus Probed Test Plugs	50 PR
393-2010-50	10080529 19087 8	Model 1100 Probed Test Plugs	50 PR
393-2011-50	10093045 93712 4	Tri-Flange Probed Test Plugs	50 PR
393-2012-50	10093045 93713 1	Skull Screws Probed Test Plugs	50 PR
393-2013-50	10093045 93748 6	NoTouch Probed Test Plugs	50 PR
393-2014-50	00078371 65949 3	E-A-Rsoft Yellow Neons Large Probed Test Plugs	50 PR
393-2015-50	00078371 66039 0	Push-Ins with Grip Rings Test Plugs	50 PR
393-2018S-50	10078371 66757 0	Combat Arms 4.0 Small Probed Test Plugs	50 PR
393-2018M-50	10078371 66758 7	Combat Arms 4.0 Medium Probed Test Plugs	50 PR
393-2018L-50	10078371 66759 4	Combat Arms 4.0 Large Probed Test Plugs	50 PR
393-2020-50	10078371 66760 0	E-A-R Caps Probed Test Plugs	50 PR

# Hearing Solutions

## Made Innovatively Easy



detection

Detecting and monitoring noise exposures in the workplace is the first step to ensure your workforce is protected. 3M's accurate, reliable and flexible instrumentation coupled with powerful software is the innovative solution for your noise detection challenge.



protection

It is critical to select hearing protectors that your employees are motivated to wear. 3M has a broad selection of hearing protectors for a wide range of environments. Trouble fitting your earplugs? Need to communicate in noise? Dirty hands? Hot, humid conditions? These are just a few of the many challenges that 3M's innovative products can help you solve.



validation

3M™ E-A-Rfit™ Validation System utilizes F-MIRE technology to measure and obtain an objective, quantitative level of employee hearing protection in just 10 seconds per ear. Workers receive their own personal attenuation rating (PAR) and learn how correctly inserting earplugs can increase their level of protection.

### For More Information

#### In U.S.

Technical Assistance 1-800-243-4630  
Customer Care Center 1-800-328-1667  
3M.com/Hearing



Personal Safety Division  
3M Center  
Building 235-2W-70  
St. Paul, MN 55144-1000

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### ⚠ WARNING

#### Hearing Protection Products\*

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury.** For proper use, see supervisor, User Instructions, or call 3M OH&ESD Technical Service in the USA at 800-243-4630. If there is any drainage from your ear or you have an ear infection, consult with your physician before wearing earplugs. Failure to do so may result in hearing loss or injury.

#### Noise Reduction Rating (NRR):

\* Research suggests that many users will receive less noise reduction than indicated by the NRR due to variation in hearing protector fit, fitting skill and motivation of the user. It is recommended that the NRR be reduced by 50% to better estimate typical workplace protection.

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