

INFORMATION FOR YOUR SAFETY



Main Components of OSHA Hearing Conversation Amendment 29 CFR 1910.95

Did you know...?

NIOSH estimates that more than 8 million U.S. workers have lost part of their hearing and 22 million more may be at risk.

In the U.S., OSHA's Occupational Noise Exposure Standard and Hearing Conversation Amendment (29 CFR 1910.95) outlines a rigorous, employee-oriented program to reduce risks of noise exposure in the workplace.

OSHA's approved hearing conservation program for industry contains the following components:

**Noise Monitoring** – determine noise levels in the workplace. Monitoring requires sound level meters to measure area sound levels, and personal dosimeters to record an individual's noise exposure over time. Noise monitoring is not required annually, but must be performed anytime noticeable change occurs in machinery or manufacturing processes. An employee's noise exposure must be included in his or her job description including identifying noisy areas and changes in noise levels.

**Audiometric Testing** – under OSHA regulations, all new employees must undergo an audiometric test within 6 months of employment, and all noise – exposed workers must be tested annually. Tests are compared year to year to determine if hearing remains stable or an issue may be developing.

**Hearing Protection** – if noise levels meet or exceed the 85 dBA Action Level OSHA requires employers to provide employees with a variety of suitable hearing protectors ranging from earplugs to earmuffs. Use of Hearing Protection is mandatory for exposure of a 90 dB time weighted average.

**Training** – include information on the effects of noise exposure; the use, selection and proper fitting of hearing protection; and audiometric testing procedures.

**Recordkeeping** – 29 CFR 1919.95 requires adequate recordkeeping of noise exposure levels and of all audiometric testing and documentation of recordable hearing loss in the OSHA 300 log. Records provide a means to assess progress or rectify existing problems.

To learn more about 29 CFR 1919.95 visit OSHA's website at: <http://www.osha.gov/>

Common Noise Levels Sound Energy Doubles Every 3 dB

Immediate Physical Damage 160 dB	175 dB Artillery Fire – 162 dB	162 dB – Shotgun	
Immediate Pain Threshold 130 dB	150 dB Jackhammer – 130 dB	130 dB – Auto Racing	
Unprotected Noise Exposure of Any Duration Not Permitted Above 115 dB	125 dB Oxygen Torch – 121 dB Chainsaw – 118 dB Compactor – 116 dB	120 dB – Rock Concert 110 dB – Crying Baby 105 dB – CD/MP3 Player 105 dB – Motorcycle	
	100 dB Diesel Truck Accelerating – 114 dB Impact Wrench – 102 dB		
	Hearing Protection Required by OSHA 90 dB	100 dB Bulldozer – 100 dB Industrial Fire Alarm – 95 dB Table Saw – 93 dB Handsaw – 85 dB Forklift – 87 dB Lathe – 81 dB	90 dB – Subway 94 dB – Power Lawnmower 88 dB – Propeller Airplane Cockpit 80 dB – Hair Dryer
	Hearing Protection Must Be Made Available 85 dB		
Non-Hazardous Noise 75 dB	75 dB Normal Conversation – 60 dB	75 dB – Alarm Clock	
Comfortable Sound 50 dB	50 dB Transformer – 50 dB	50 dB – Rainfall	
	Occupational	Non-Occupational	

Passive Hearing Protector Options/Styles

**Disposable Foam Plugs** are compressed or shaped prior to insertion. The most popular variety is made of expandable, slow-recovery foam.



**No-Roll Down Foam Plugs** offer the no-roll down convenience of premolded plugs with exceptional comfort of a foam plug.



**Premolded Reusable Plugs** are made from flexible materials that are preformed to fit the ear. They are generally available with a joining cord to prevent loss.



**Earmuffs** have rigid cups with soft plastic cushions that seal around the ears to block noise. For very loud noises, wear muffs and plugs together for approximately an additional 5 dB of protection.

**Banded/Semi-Inserts**, also called canal caps, consist of pods or flexible tips on a lightweight headband. Because they are quick to put on and take off and easy to store around the neck, they are ideal for intermittent use.

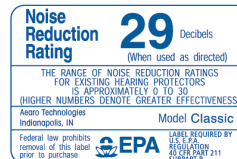


NRR (Noise Reduction Rating)

What is an NRR?

The NRR (Noise Reduction Rating) is a single number rating system representing the average noise reduction, in decibels, that a hearing protection device will provide.

- Challenge with this rating - The testing process is done in a laboratory and the test subjects are fitted by a lab technician
- In the real world, workers fit the plug themselves in less than ideal conditions
- The EPA requires that all hearing protection products carry an NRR label



What is Derating the NRR?

To compute a noise reduction that is more realistic, OSHA recommends derating hearing protectors by reducing the published NRR by 50%. You should also include a 7-dB correction to account for use of the NRR with A instead of C-weighted sound levels. A-weighted sound measurements filter the sound to more accurately model how the human ear hears. C-weighted is unfiltered sound data and the math behind the NRRs is intended to be used with such values. If you use A instead, the 7-dB correction is required. When using both the derating and the correction together, 7 dB is subtracted prior to derating by 50%.

Tips

- When you feel the need to shout in order to be heard three feet away, the noise levels are probably 85 dB or more
- After fitting earplugs you can check the fit by making simulated earmuffs through cupping your hands and covering your ears. If there is a noticeable difference in the sound that you hear, the fit is likely not a good one

Head and Face Protection

Hearing Protection

Respiratory Protection

Instrumentation Confined Space

Fall Protection

Hand Protection

Protective Workwear

First Aid Products

Spill Control & Containment

Facility Supplies

Flammable Storage



### Create a Successful Hearing Conservation Program through Best Practices

In the United States, OSHA's Occupational Noise Standard 29 CFR 1910.95 requires that employers implement a Hearing Conservation Program if they have work areas with noise levels at or above 85 dBA (at an 8-hour Time Weighted Average).

Employees exposed to those levels must undergo annual audiograms, have access to hearing protection when noise reaches 85 dBA and must wear hearing protection at 90 dBA.

While implementing a Hearing Conservation Program may appear complicated, there are a number of best practices safety managers can employ to ensure compliance with regulations and promote employee hearing safety.

	Required by OSHA when employees are exposed to 85 dBA or higher (8-hour TWA)	Best practices that promote and motivate hearing conservation
<b>Noise Monitoring</b>	<p>Noise monitoring is required within the facility.</p> <ul style="list-style-type: none"> <li>Area Noise Sampling – Using a sound level meter, take a general measurement of noise in each section of your facility</li> <li>Personal Noise Sampling – Using a dosimeter, measure each employee's exposure to noise over his/her workshift</li> </ul>	<ul style="list-style-type: none"> <li>Document Changing Conditions – Whenever you make a change in equipment or process, you need to document this change, even if the noise level is reduced</li> <li>Post a Noise Map – A noise map in common areas is an effective way to notify employees of area noise and related changes.</li> <li>Document Exposure – Each employee's TWA noise exposure should be recorded in his/her personnel file</li> </ul>
<b>Audiometry</b>	<p>Annual hearing tests must be available to all employees, and performed by a professional or qualified technician.</p> <ul style="list-style-type: none"> <li>Baseline Audiogram – Required within six months of first exposure or hire</li> <li>Audiogram Evaluation – Problem audiograms must be reviewed by an audiologist, otolaryngologist or physician</li> <li>Standard Threshold Shift (STS) – Employees who experience a 10 dB or more shift at 2000, 3000 and 4000 Hz in either ear compared to baseline must be notified in writing within 21 days. If the loss is determined to be occupational, the employer must evaluate the employee's current hearing protectors and re-train the employee on use and fit</li> </ul>	<ul style="list-style-type: none"> <li>Retain Records – This will help your audiologist compare audiograms serially over time.</li> <li>Get Follow-Up Reports – Ensure that your testing service provides understandable follow-up reports.</li> <li>Review Results Immediately – Studies show that reviewing audiometric test results with employees right after testing yields a more positive impact</li> </ul>
<b>Hearing Protectors</b>	<p>A variety of suitable hearing protectors must be made available at no cost to employees.</p> <ul style="list-style-type: none"> <li>Action Level 85 dBA – Hearing protectors must be made available at no cost to your employees – those exposed to an 8-hour TWA of 85 dBA. Those with established Standard Threshold Shifts (STS) are required to wear HPDs, as are new employees who have not taken their baseline audiogram</li> <li>Permissible Exposure Limit 90 dBA – Hearing protectors are required to be worn by all employees when exposed to an 8-hour TWA of 90 dBA or higher</li> </ul>	<ul style="list-style-type: none"> <li>Offer a True Variety – Make available to all your employees at least one style of single-use, multiple-use, and banded earplugs, and one earmuff</li> <li>Personal Attenuation Rating (PAR) – Determine employees' earplug fit effectiveness by using field verification systems. Find out if they are receiving optimal protection, require additional training on earplug fitting, or need to try a different model</li> <li>Make HPDs Convenient – Increase accessibility to hearing protection by installing earplug dispensers near time clock or by placing earmuffs at supervisor stations</li> </ul>
<b>Training</b>	<p>Provide annual hearing conservation training to all employees on the following:</p> <ul style="list-style-type: none"> <li>Effects of Noise Exposure</li> <li>Use, Selection and Fitting of Hearing Protection Devices (HPD)</li> <li>Audiometric Test Procedures</li> </ul>	<ul style="list-style-type: none"> <li>Provide One-on-One Training – This individualized attention will make for a more memorable training experience</li> <li>Offer Ongoing Education – Distribute informational flyers and hang motivational posters in common areas and near hearing protection sources. Offer toolbox trainings throughout the year</li> </ul>
<b>Record Keeping</b>	<p>Retain all employee records, including exposure measurements and audiometric tests.</p> <ul style="list-style-type: none"> <li>Records to Keep – Exposure measurements, audiometric tests and OSHA Form 300</li> <li>Accessible Records – All records must be made accessible to employees upon request and transferred to new organizations upon acquisition or close of business</li> </ul>	<ul style="list-style-type: none"> <li>Get Follow-Up Reports – Make sure your testing service provides follow-up reports that allow you to track audiograms over time</li> <li>Post OSHA Guidelines – As required, post a copy of the OSHA Occupational Noise Standard in a visible location</li> </ul>

### Fact or Fiction - Hearing Conservation Quiz

**Wearing an earmuff simultaneously over an earplug doubles the noise attenuation. FALSE**

There is a ceiling effect that limits the amount of hearing protection we can achieve with dual protection (wearing an earplug and earmuff). Once we reach that limit, adding more protection offers no additional benefit. Wearing an earmuff over a well-fit foam earplug only adds about 3-5 dB of additional attenuation; we don't get to simply add the NRR values of both protectors. Still, using double protection provides the maximum possible attenuation in extreme noise environments.

**The Noise Reduction Rating (NRR) of a hearing protector should be cut in half to estimate how much protection workers will achieve in the real world. FALSE**

This common misconception has even led some safety managers to assume it is an OSHA requirement to cut the NRR in half in determining the effectiveness of a hearing protector in an existing Hearing Conservation

Program. The truth is, field studies show that many workers achieve the rated attenuation, particularly when they receive one-on-one training in proper fit of the hearing protector. Needless de-rating of hearing protectors can result in overprotection – workers will be annoyed by not hearing what they need to hear and find way to compromise their use of hearing protectors.

**Removing an earplug for just a few minutes during the workday will not affect overall protection. FALSE**

The math seems skewed, but because the decibel scale is logarithmic (not linear), small intervals of no protection quickly cancel long intervals of adequate protection. If a worker wears a well-fit earplug with an NRR of 30 dB, but removes that earplug for just 15 minutes (cumulative) while working in noise throughout the 8-hour workday, it is as though an earplug with NRR of 15 dB was worn for the entire workday. Noise-exposed workers need to be reminded to wear hearing protection properly 100% of the time during exposures.



All disposable earplugs shown here are sold per box

**A. 3M™ E-A-R™ Classic™ Earplugs**

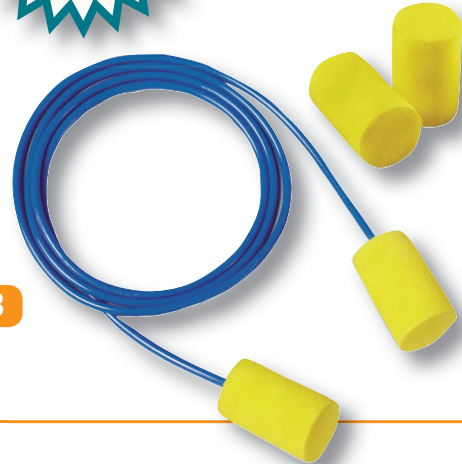
- Classic™**
- Slow recovery foam provides comfort with low pressure
  - Yellow color aids in compliance

- Classic™ Plus**
- Longer for deeper insertion into the ear canal

- Classic™ Small**
- Classic™ Small plugs feature a slightly reduced circumference to provide optimum protection and comfort within a smaller ear canal
  - **MADE IN USA**

Part Number	Description	NRR	Packaged	Price
<b>Classic™</b>				
CAS310-1060	Classic™ Uncorded	29	30 pr/box	6.90
CAS310-1001	Classic™ Uncorded, Pillow Pack	29	200 pr/box	30.00
CAS312-1201	Classic™ Uncorded, Poly Bag	29	200 pr/box	30.00
CAS311-1101	Classic™ Corded, Poly Bag	29	200 pr/box	58.00
CAS310-1080	Classic™ Corded, Poly Bag	29	100 pr/box	30.00
CAS311-1081	Classic™ Econopack, Corded	29	500 pr/box	125.00
CAS312-1080	Classic™ Econopack, Uncorded	29	500 pr/box	65.00
CAS312-1082	Classic™ Econopack, Uncorded	29	1,000 pr/box	110.00
<b>Classic™ Plus</b>				
CAS310-1101	Classic™ Plus Uncorded Pillow Pack	33	200 pr/box	32.00
CAS311-1105	Classic™ Plus Corded Poly Bag	33	200 pr/box	58.00
<b>Classic™ Small</b>				
CAS310-1103	Classic™ Small Uncorded Pillow Pack	29	200 pr/box	30.00
CAS311-1106	Classic™ Small Corded Poly Bag	29	200 pr/box	58.00

**B**

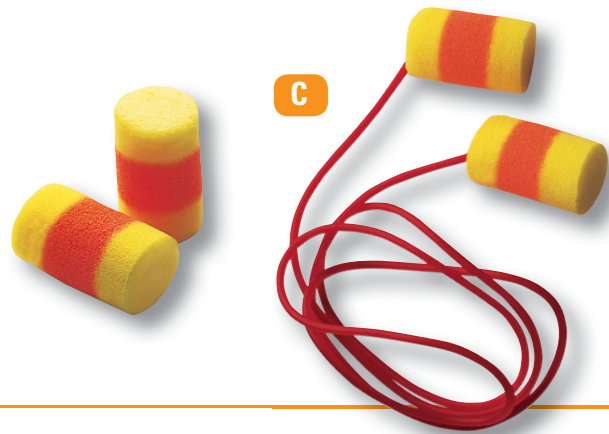


**B. 3M™ E-A-R™ Classic™ Soft Earplugs**

- Features the tested and proven cylindrical shape
- The Thermal-Reactive Foam softens and shapes to the ear canal as it warms to body temperature

Part Number	Description	NRR	Packaged	Price
CAS311-6000	Uncorded	31	200 pr/box	34.00
CAS311-6001	Corded	31	200 pr/box	64.00

**C**

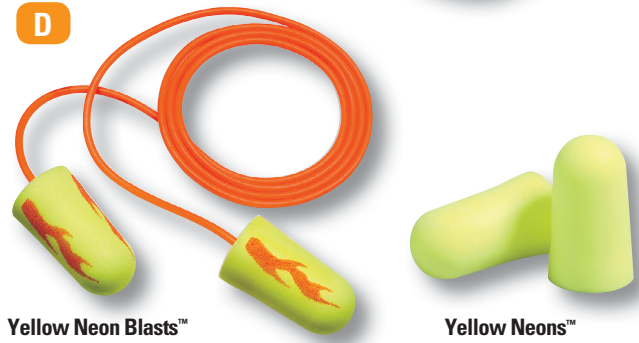


**C. 3M™ E-A-R™ Classic™ SuperFit™ 30 Earplugs**

- Orange fitting ring is a built-in visual to confirm a proper fit
- Sealed in a poly bag or pillow pack

Part Number	Description	NRR	Packaged	Price
CAS312-4201	Uncorded, Poly Bag	30	200 pr/box	30.00
CAS310-1009	Uncorded, Pillow Pack	30	200 pr/box	30.00
CAS311-1126	Corded, Poly Bag	30	200 pr/box	58.00

**D**



**D. 3M™ E-A-Rsoft™ Foam Earplugs**

- Soft, slow-recovery foam for excellent noise reduction and comfort
- A bright neon yellow makes compliance checks easy
- **MADE IN USA**

Part Number	Description	NRR	Packaged	Price
CAS312-1252	Yellow Neon Blasts™ Uncorded, Regular	33	200 pr/box	24.00
CAS311-1257	Yellow Neon Blasts™ Corded, Regular	33	100 pr/box	25.00
CAS311-1252	Yellow Neon Blasts™ Corded, Regular	33	200 pr/box	48.00
CAS312-1250	Yellow Neons™ Uncorded, Regular	33	200 pr/box	22.00
CAS311-1256	Yellow Neons™ Corded, Regular	33	100 pr/box	24.00
CAS311-1250	Yellow Neons™ Corded, Regular	33	200 pr/box	46.00
CAS312-1251	Yellow Neons™ Uncorded, Large	33	200 pr/box	24.00
CAS311-1251	Yellow Neons™ Corded, Large	33	200 pr/box	48.00

**E. 3M™ E-A-Rsoft™ SuperFit™ Earplugs**

- Orange fitting rings help confirm proper fit

Part Number	Description	NRR	Packaged	Price
CAS312-1256	Uncorded, Regular Size	33	200 pr/box	24.00
CAS311-1254	Corded, Regular Size	33	200 pr/box	48.00

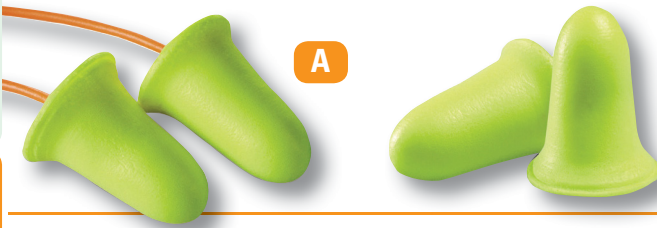
**E**



- Head and Face Protection
- Hearing Protection
- Respiratory Protection
- Instrumentation Confined Space
- Fall Protection
- Hand Protection
- Protective Workwear
- First Aid Products
- Spill Control & Containment
- Facility Supplies
- Flammable Storage

# Disposable Earplugs

- Head and Face Protection
- Hearing Protection
- Respiratory Protection
- Instrumentation Confined Space
- Fall Protection
- Hand Protection
- Protective Workwear
- First Aid Products
- Spill Control & Containment
- Facility Supplies
- Flammable Storage



**A**



**B**



**C**



**D**



**E**



**F**



All disposable earplugs shown here are sold per box

## A. 3M™ E-A-Rsoft™ FX™ Earplugs

- Smooth tapered finish makes fitting easier and helps form a comfortable fit

**NRR 33**

Part Number	Description	NRR	Packaged	Price
CAS312-1261	E-A-Rsoft™ FX™ Uncorded	33	200 pr/box	26.00
CAS312-1274	E-A-Rsoft™ FX™ Corded	33	100 pr/box	26.00
CAS312-1260	E-A-Rsoft™ FX™ Corded	33	200 pr/box	52.00

## B. 3M™ E-A-R™ Push-Ins™ Earplugs

- Ideal for most work place applications
- Fits into ears easily with no roll-down required
- **MADE IN USA**

**NRR 28**

Part Number	Description	NRR	Packaged	Price
CAS318-1000	Push-Ins™ Uncorded	28	100 pr/box	32.29
CAS318-1001	Push-Ins™ Corded	28	100 pr/box	53.11
CAS318-1002	Push-Ins™ Uncorded	28	200 pr/box	53.74
CAS318-1003	Push-Ins™ Corded	28	200pr./box	95.53
CAS318-1004	Push-Ins™ Uncorded	28	500 pr/box	111.80
CAS318-1005	Push-Ins™ Corded	28	500 pr/box	219.12

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

- Soft foam tip with Grip Rings™ conforms to unique shape of each ear for a comfortable fit
- Flexible stem keeps insertion and removal easy and clean

**NRR 30**

Part Number	Description	NRR	Packaged	Price
CAS318-1008	Push-Ins™ with Grip Rings™, Uncorded	30	200 pr/box	60.00
CAS318-1009	Push-Ins™ with Grip Rings™, Corded	30	200 pr/box	102.00

## D. 3M™ Push-Ins™ SoftTouch™ Earplugs

- Made of specially formulated foam for added softness
- Requires no roll-down
- Pistol-grip handle provides fingertip control and reduces dirt transfer for better hygiene
- Tapered cones slide in-and-out of the ears quickly and easily

**NRR 31**

Part Number	Description	NRR	Packaged	Price
CAS318-4000	SoftTouch™, Uncorded	31	200 pr/box	64.00
CAS318-4001	SoftTouch™, Corded	31	200 pr/box	104.00

## E. 3M™ Noise Indicator

- Designed for variable noise environments to help workers identify potentially hazardous noise levels and know when hearing protection devices (HPDs) may be required
- Green flashing LED indicates that noise levels are below 85 dB where HPDs may not need to be worn; Red flashing LED indicates noise levels are above 85 dB, a potentially dangerous noise level where HPDs may be required
- Small, lightweight design (.6 oz.) clips to a shirt or jacket and includes a rechargeable battery that operates for up to 200 hours between charges
- If not manually powered off, device will automatically power off after approximately 10 hours
- 6' USB 2.0 5-pin mini cable connects a computer or USB hub to the 3M™ Noise Indicator for recharging, sold separately

Part Number	Description	Price
3MRNI-100	Noise Indicator	42.10
3MR053-575	Noise Indicator USB Cable Charger	16.00

## F. 3M™ Sound Detector SD-200

- Compact, lightweight sound level meter designed for the measurement of workplace noise levels to help determine the degree of hearing protection that may be required
- Integrating feature computes the average sound pressure level allowing for more accurate assessment of intermittent sound levels
- Simple, user-friendly interface
- LED Alert screen provides a quick visual reference of sound levels with green, yellow and/or red LEDs that flash when preset noise levels have been reached
- Rechargeable lithium polymer battery

Part Number	Description	Price
3MRSD-200	Sound Detector Kit, includes USB Cable and Windscreen	349.00
<b>Accessories</b>		
3MR053-575	USB Cable	16.00
3MRSD-WS	Windscreen	7.00
3MR056-990	0.5" Calibration Adapter	40.00
3MRQC10	Calibrator	512.00
3MR059-045	Tripod	101.00



All disposable earplugs shown here are sold per box

**A. 3M™ Pistonz™ Earplugs**

- Race-inspired design features tips that look like metal
- Unique stem is rigid enough to insert but flexible enough to adjust sideways if impacted during wear
- No roll-down design is ready-to-use
- Cylindrical shape is designed to fit most size ear canals
- Officially Licensed Hearing Protection of NASCAR®

NRR 29

Part Number	Description	NRR	Packaged	Price
CASP1400	Uncorded	29	100 pr/bx	63.00
CASP1401	Corded	29	100 pr/bx	81.00

**B. 3M™ E-A-R™ E-Z Fit™ Earplugs**

- Specifically designed to provide extra comfort and good protection in smaller ear canals
- The soft foam and bell shape help make insertion easier and earplugs comfortable
- **MADE IN USA**
- Packaged 200 pair per box

NRR 28

Part Number	Description	NRR	Packaged	Price
CAS312-1208	Uncorded	28	200 pr/bx	30.00
CAS312-1222	Corded	28	200 pr/bx	60.00

**C. 3M™ E-A-R™ TaperFit™ 2 Earplugs**

- Available in two sizes, regular and large
- Tapered shape makes insertion and removal easy and soft foam creates a comfortable and effective seal
- **MADE IN USA**
- Packaged 200 pair per box

NRR 32

Part Number	Description	NRR	Packaged	Price
CAS312-1219	Uncorded, Regular Size	32	200 pr/bx	30.00
CAS312-1223	Corded, Regular Size	32	200 pr/bx	58.00
CAS312-1221	Uncorded, Large Size	32	200 pr/bx	30.00
CAS312-1224	Corded, Large Size	32	200 pr/bx	58.00

**D. 3M™ Skull Screws™ Earplugs**

- Screw grip for easy insertion, no roll-down required
- Available with or without a vinyl cord

NRR 30

Part Number	Description	NRR	Packaged	Price
CASP1300	Skull Screws™ Uncorded	30	120 pr/bx	54.00
CASP1301	Skull Screws™ Corded	30	120 pr/bx	74.40

**E. 3M™ Tattoo™ Earplugs**

- Available with or without a LiveWire™ cord
- Cutting edge graphics on soft, neon green foam

NRR 32

Part Number	Description	NRR	Packaged	Price
CASP1100	Tattoo™ Uncorded	32	200 pr/bx	28.00
CASP1101	Tattoo™ Corded	32	100 pr/bx	33.00

**F. 3M™ No-Touch™ Foam Earplugs**

- No roll-down is required, and the stem minimizes foam contact with fingers
- Tapered shape allows for easy insertion and effective seal
- Available with or without a LiveWire™ cord

NRR 29

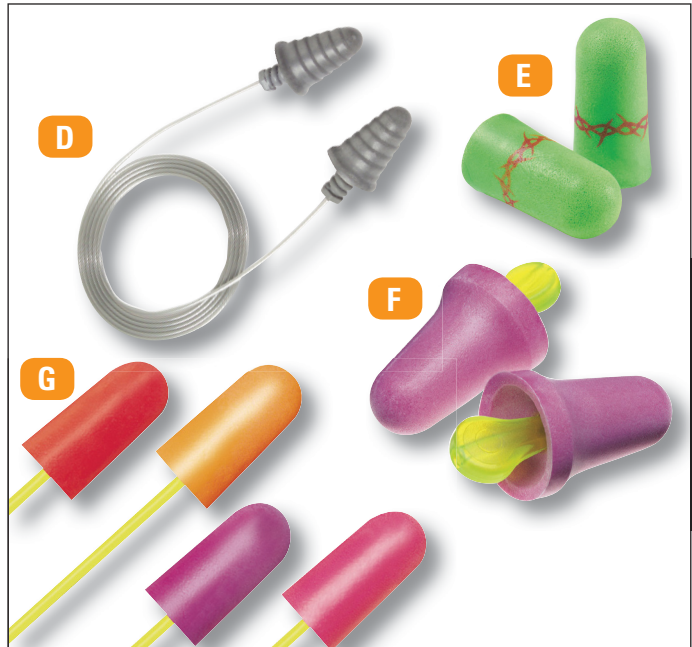
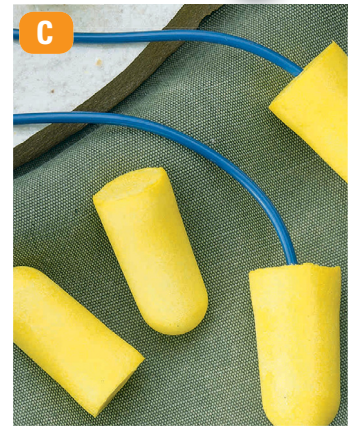
Part Number	Description	NRR	Packaged	Price
CASP2000	No-Touch™ Uncorded	29	100 pr/bx	41.00
CASP2001	No-Touch™ Corded	29	100 pr/bx	70.00

**G. 3M™ Nitro™ Earplugs**

- Bright-colored, tapered foam design
- Available with or without a LiveWire™ cord

NRR 32

Part Number	Description	NRR	Packaged	Price
CASP1000	Nitro™ Uncorded	32	200 pr/bx	24.27
CASP1001	Nitro™ Corded	32	100 pr/bx	26.00



Head and Face Protection  
Hearing Protection  
Respiratory Protection  
Instrumentation Confined Space  
Fall Protection  
Hand Protection  
Protective Workwear  
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Spill Control & Containment  
Facility Supplies  
Flammable Storage

INFORMATION FOR YOUR SAFETY



Hearing Protection Myths

Many individuals who understand the importance of hearing protection are still misinformed about both the factors that influence how well HPDs work and the behaviors and beliefs that can result in less protection.

One of the most common hearing protection myths is that all foam earplugs are about the same. **FACT:** Foam earplugs vary widely in terms of size, shape, recovery time, softness when touched, ease-of-insertion, pressure and the degree to which they are affected by moisture and humidity.

These properties influence how easy it is to properly fit an earplug and how comfortable the earplug is to wear. If an earplug expands too quickly (short recovery time) or is difficult to push into the ear canal (not rigid enough) the wearer might not insert the earplug far enough to work correctly. Likewise, earplugs that are too big or those that exert excessive pressure in the ears may feel uncomfortable, causing the user to wear them incorrectly or to wear them less often than necessary. The end result is a reduction in effective protection.

# Disposable Earplugs

# RADNOR

All disposable earplugs shown here are sold per box



A

RAD64051810



B

RAD64051820

## A. Radnor® Tapered Foam Disposable Earplugs

- Easy roll-down, less tendency to back out of the ear canal ensuring a tight seal for optimal protection
- Smooth, soil-resistant skin prevents build-up of dirt on the earplug

NRR 29

Part Number	Description	NRR	Packaged	Price
RAD64051810	Uncorded	29	200 pr/bx	23.00
RAD64051811	Corded	29	100 pr/bx	29.10

## B. Radnor® Low Pressure Foam Disposable Earplugs

- Ideal for people with smaller ear canals
- Low-pressure polyurethane foam expands gently for comfortable, long-term wear
- Contoured T-shape for easy handling and fit
- Smooth, soil-resistant skin prevents dirt build-up

NRR 30

Part Number	Description	NRR	Packaged	Price
RAD64051820	Uncorded	30	200 pr/bx	26.00
RAD64051821	Corded	30	100 pr/bx	25.50

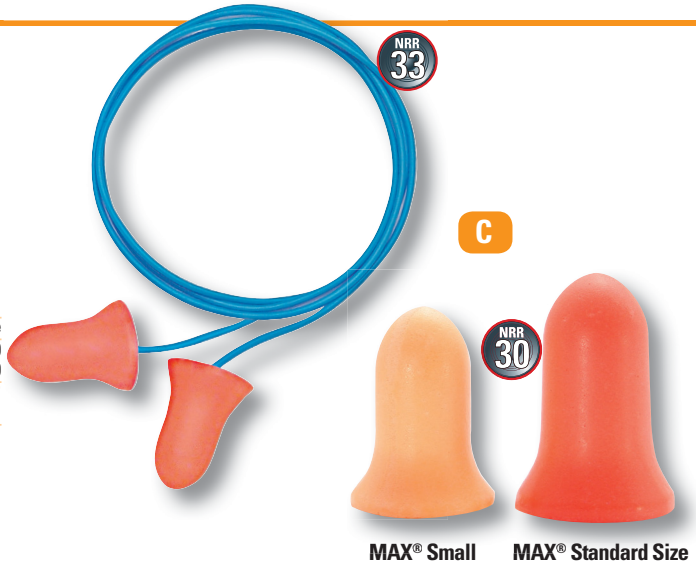
# HOWARD LEIGHT

by Honeywell

## C. Howard Leight® MAX® Single-Use Earplugs

- New enhanced contoured shape is easier to insert and resists backing out of the ear canal, while its softer polyurethane foam delivers superior long-wearing comfort
- 20% smaller than MAX® standard size, ideal for smaller ear canals

Part Number	Description	NRR	Packaged	Price
HLIMAX-1	MAX® Uncorded	33	200 pr/bx	33.40
HLIMAX-30	MAX® Corded	33	100 pr/bx	31.70
HLIMAX-1S	MAX® Small, Uncorded, Polybag	30	200 pr/bx	30.18
HLIMAX-30S	MAX® Small, Corded, Polybag	30	100 pr/bx	59.74



MAX® Small    MAX® Standard Size

## D. Howard Leight® Laser Lite® Single-Use Earplugs

- High visibility magenta and yellow colors make compliance checks quick and easy
- Self-adjusting foam expands gently inside the ear canal for comfortable long-term wear, while its contoured T-shape delivers easy handling

NRR 32

Part Number	Description	NRR	Packaged	Price
HLILL-1	Laser Lite® Uncorded	32	200 pr/bx	28.40
HLILL-30	Laser Lite® Corded	32	100 pr/bx	27.50



## E. Howard Leight® Max Lite® Single-Use Earplugs

- Ideal for workers with smaller ear canals
- Contoured T-shape delivers easy handling for insertion and removal

NRR 30

Part Number	Description	NRR	Packaged	Price
HLILPF-1	Max Lite® Uncorded	30	200 pr/bx	27.40
HLILPF-30	Max Lite® Corded	30	100 pr/bx	27.00



## F. Howard Leight® Multi Max® Single-Use Earplugs

- Provide flexibility, protection and economy in hearing protection with the two-sizes-in-one design
- Offer a comfortable fit with its self-adjusting foam and smooth, soil-resistant skin

NRR 31

Part Number	Description	NRR	Packaged	Price
HLIMM-1	Multi Max® Uncorded	31	200 pr/bx	37.80

Head and Face Protection

Hearing Protection

Respiratory Protection

Instrumentation Confined Space

Fall Protection

Hand Protection

Protective Workwear

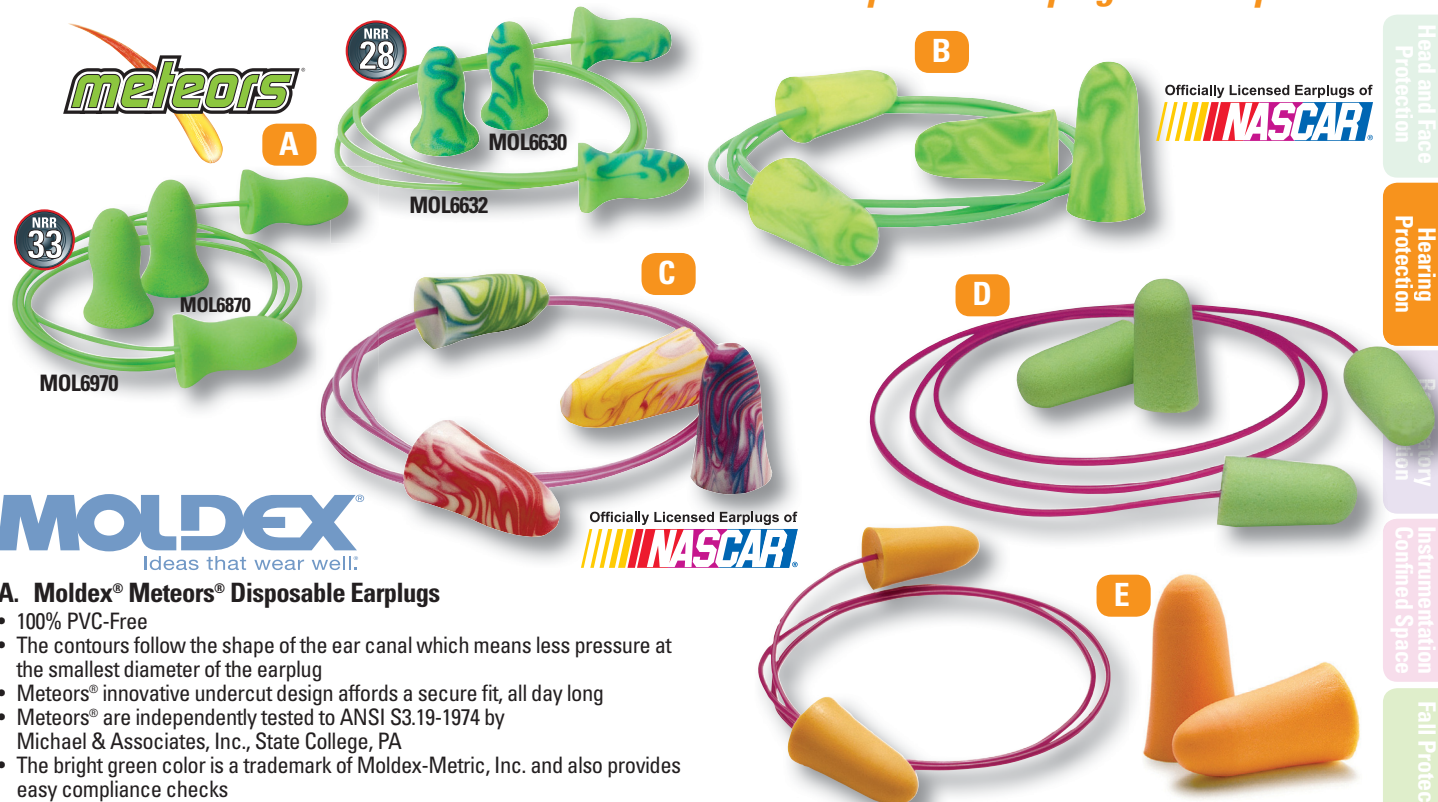
First Aid Products

Spill Control & Containment

Facility Supplies

Flammable Storage

## Disposable Earplugs and Dispensers



**MOLDEX**  
Ideas that wear well.

### A. Moldex® Meteors® Disposable Earplugs

- 100% PVC-Free
- The contours follow the shape of the ear canal which means less pressure at the smallest diameter of the earplug
- Meteors® innovative undercut design affords a secure fit, all day long
- Meteors® are independently tested to ANSI S3.19-1974 by Michael & Associates, Inc., State College, PA
- The bright green color is a trademark of Moldex-Metric, Inc. and also provides easy compliance checks

Part Number	Description	NRR	Packaged	Price
MOL6630	Small, Uncorded	28	200 pr/bx	35.20
MOL6632	Small, Corded	28	100 pr/bx	34.60
MOL6870	Uncorded	33	200 pr/bx	35.20
MOL6970	Corded	33	100 pr/bx	34.70

### B. Moldex® Goin' Green® Disposable Earplugs

- Officially licensed earplugs of NASCAR®
- Bright green swirl color for winning compliance
- Extra-soft, low-pressure PVC-Free foam for comfort and fit
- Tapered shape for easy insertion and removal
- Non-irritating smooth surface

Part Number	Description	NRR	Packaged	Price
MOL6620	Uncorded	33	200 pr/bx	33.20
MOL6622	Corded	33	100 pr/bx	32.96

### C. Moldex® SparkPlugs® Disposable Earplugs

- Officially licensed earplug of NASCAR®
- Different colors in every package
- Tapered for easy insertion in any size ear canal
- Non-irritating, smooth surface for added comfort

The random color patterns are a registered trademark of Moldex-Metric, Inc.

Part Number	Description	NRR	Packaged	Price
MOL6604	Uncorded	33	200 pr/bx	31.00
MOL6654	Corded	33	100 pr/bx	31.50

### D. Moldex® Pura-Fit® Disposable Earplugs

- 100% PVC-Free
- Tapered for easy insertion
- Improved, softer foam for maximum comfort
- Hygienically packaged in biodegradable paper pouches
- Non-irritating, smooth surface
- Longer length for easy fitting and removal
- The bright green color is a trademark of Moldex-Metric, Inc. and also provides easy compliance checks

Part Number	Description	NRR	Packaged	Price
MOL6800	Uncorded	33	200 pr/bx	35.00
MOL6900	Corded	33	100 pr/bx	33.80

### E. Moldex® Softies® Disposable Earplugs

- 100% PVC-Free
- Radiant orange color for easy compliance checks
- Extra-soft, low-pressure foam for comfort and fit
- Tapered shape for easy insertion and removal
- Shaped to fit even very small ear canals
- Non-irritating smooth surface
- Independently tested to ANSI S3.19-1974

Part Number	Description	NRR	Packaged	Price
MOL6600	Uncorded	33	200 pr/bx	27.80
MOL6650	Corded	33	100 pr/bx	29.00



## RADNOR

### F. Radnor® Earplug Dispensers

- Durable heavy acrylic dispensers
- Hinged lids help assure sanitation and make reloading simple
- Choose from 100 or 200 pair dispenser sizes
- Easily wall mounted or set on countertop for mobility
- Earplugs sold separately

Part Number	Description	Price
RAD64059000	Radnor® 100 Pair Dispenser	76.95
RAD64059001	Radnor® 200 Pair Dispenser	90.60

Head and Face Protection  
Hearing Protection  
Fall Protection  
Hand Protection  
Protective Workwear  
First Aid Products  
Spill Control & Containment  
Facility Supplies  
Flammable Storage



by Honeywell



### A. Leight® Source 500 Earplug Dispensers

- Built with heavy-duty anodized aluminum and designed for wall installation
- Provide a hygienic and economical source for earplugs
- 22 $\frac{1}{2}$ " H x 6 $\frac{1}{2}$ " W x 5 $\frac{1}{2}$ " D and holds 500 pairs of Howard Leight® earplugs only, including MAX®, Max Lite®, Laser Lite®, Multi Max®, and Matrix™

Part Number	Description	NRR	Packaged	Price
HLILS-500	Dispenser (sold empty)		Each	181.95
HLIMAX-1-D	MAX® Refill	33	500 pr/bx	76.88
HLILPF-1-D	Max Lite® Refill	30	500 pr/bx	67.43
HLIL-1-D	Laser Lite® Refill	32	500 pr/bx	67.43
HLIMM-1-D	Multi Max® Refill	31	500 pr/bx	91.04
HLIMTX-1-OR-D	Matrix™ Orange Refill	29	500 pr/bx	59.00

### B. Leight® Source 400 Earplug Dispensers

- Easy access to single-use earplugs on any jobsite
- Tabletop or wall-mount dispenser
- Display fitting instructions for roll-down and no-roll foam earplugs to demonstrate proper insertion
- Hold 400 pairs of Howard Leight® unrecorded earplugs only

Part Number	Description	NRR	Packaged	Price
HLILS-400	Dispenser (sold empty)		Each	27.46
HLIMAX-LS4	MAX® Refill	33	200 pr/bx	30.00
HLILPF-LS4	Max Lite® Refill	30	200 pr/bx	26.00
HLIL-LS4	Laser Lite® Refill	32	200 pr/bx	26.00
HLIMTX-OR-LS4	Matrix™ Orange Refill	29	200 pr/bx	24.00



### C. Moldex® One-Stop PlugShop® and PlugStations®

- High visibility to increase awareness for your hearing conservation program
- Eliminate the mess of individually bagged packaging
- Each dispenser is sealed, disposable and completely recyclable
- The One-Stop PlugShop® Starter Kit contains everything you need to get started: a high visibility poster, 250 pair SparkPlugs®, 250 pair Goin' Green® and 250 pair Pura-Fit® PlugStation®
- **MADE IN USA**



Part Number	Description	NRR	Packaged	Price
MOL0604	One-Stop PlugShop® Starter Kit		1 ea	152.99
MOL6644	SparkPlugs® PlugStation®	33	250 pr	41.77
MOL6645	SparkPlugs® PlugStation®	33	500 pr	80.32
MOL6646	Goin' Green® PlugStation®	33	250 pr	44.83
MOL6647	Goin' Green® PlugStation®	33	500 pr	86.33
MOL6634	Meteors® Small PlugStation®	28	250 pr	46.90
MOL6875	Meteors® PlugStation®	33	500 pr	91.24
MOL6844	Pura-Fit® PlugStation®	33	250 pr	46.68
MOL6845	Pura-Fit® PlugStation®	33	500 pr	90.80



SparkPlugs®



Goin' Green®



Pura-Fit®



Meteors®



Dispenser Base

Classic™ Refill

D



Refill Bottle



### D. 3M™ E-A-R™ One Touch™ Earplug Dispensers and Plugs

- Incorporates *No Waste Funnel* system that delivers earplugs quickly and easily. Reusable base and dispensing unit

Part Number	Description	NRR	Packaged	Price
<b>E-A-R™ Classic™</b>				
CAS391-1001	Classic™ Refill Bottle	29	500 pr/bx	75.00
CAS391-1002	SuperFit™ 30 Refill Bottle	30	500 pr/bx	75.84
<b>E-A-Rsoft™</b>				
CAS391-1010	Blasts™ Refill Bottle, Regular Size	33	500 pr/bx	65.00
CAS391-1254	SuperFit™ Refill Bottle, Regular Size	30	500 pr/bx	62.80
CAS391-1004	Neons™ Refill Bottle, Regular Size	33	500 pr/bx	60.00
<b>One Touch™ Earplug Dispenser Base</b>				
CAS391-1000	One Touch™ Dispenser Base		Each	31.27





by Honeywell

## A. Quiet® Multiple-Use Earplugs

- Patented *no-roll* design is easy to handle and fit
- Contoured shape comfortably matches contours of the ear canal
- Smooth, non-irritating skin provides all-day comfort, easy to clean for long-term use
- Built-in stem makes insertion quick and easy

NRR 26

Part Number	Description	NRR	Packaged	Price
HLIQD1	Uncorded - Polybag	26	100 pr/bx	45.80
HLIQD30	Corded - Polybag	26	100 pr/bx	75.50

## B. Clarity® Multiple-Use Earplugs

- Patented Sound Management Technology™ (SMT) design blocks low and medium frequencies while higher frequencies (voice, signals, alarms) can be heard more naturally, with less distortion
- Low attenuation ideal for marginal noise environments of 95 dB or lower, preventing overprotection and improving overall worker safety and compliance
- Two sizes fine-tune fit for personal comfort and safety
- Cord Adjuster adapts length to suit personal preference or application
- Reusable case with hook allows wearers to attach to belt loop, apron, bag or other work tools

NRR 21

Part Number	Description	NRR	Packaged	Price
HLI1005329	Clarity® - Regular (Blue), Reusable Case	21	10 pr/bx	22.20
HLI1005328	Clarity® - Small (Green), Reusable Case	21	10 pr/bx	22.20

## C. SmartFit® Multiple-Use Earplugs

- Patented Conforming Material Technology™ uses body heat to adapt to the individual shape of each wearer's ear canal
- Detachable cord system and HearPack® storage case
- SmartFit® Process Industry style features attached cotton cord and paper bag, ideal for pulp and paper, tobacco processing industries

NRR 25

Part Number	Description	NRR	Packaged	Price
HLISMF-30V-P	SmartFit® Process Industry, Paper Bag	25	100 pr/bx	122.00
HLISMF-30	SmartFit®, HearPack®	25	100 pr/bx	109.90
HLISMF-30BU	SmartFit® Blue, Nylon Cord, Poly Bag	25	100 pr/bx	110.00

## D. Fusion® Multiple-Use Earplugs

- Patented dual material design combines firm core for easy handling with soft flanges for comfort and fit
- FlexiFirm® stem is easy to grasp, ensuring easy insertion into the ear canal
- SoftFlange™ creates comfortable seal in the ear canal for superior comfort and protection
- Unique detachable nylon cord system adapts to virtually any application
- Two sizes fine-tune fit for personal comfort and safety

NRR 27

Part Number	Description	NRR	Packaged	Price
HLIFUS30-HP	Detachable Cord, HearPack® - Regular	27	100 pr/bx	148.80
HLIFUS30S-HP	Detachable Cord, HearPack® - Small	27	100 pr/bx	148.80

## E. AirSoft® Multiple-Use Earplugs

- Advanced air pocket design features internal noise-blocking fins
- Four-flange profile creates better seal in the ear canal
- Less pressure in the ear canal
- Rounded flanges, tapered shape fits better in the ear canal
- Firm stem facilitates easy insertion and removal

NRR 27

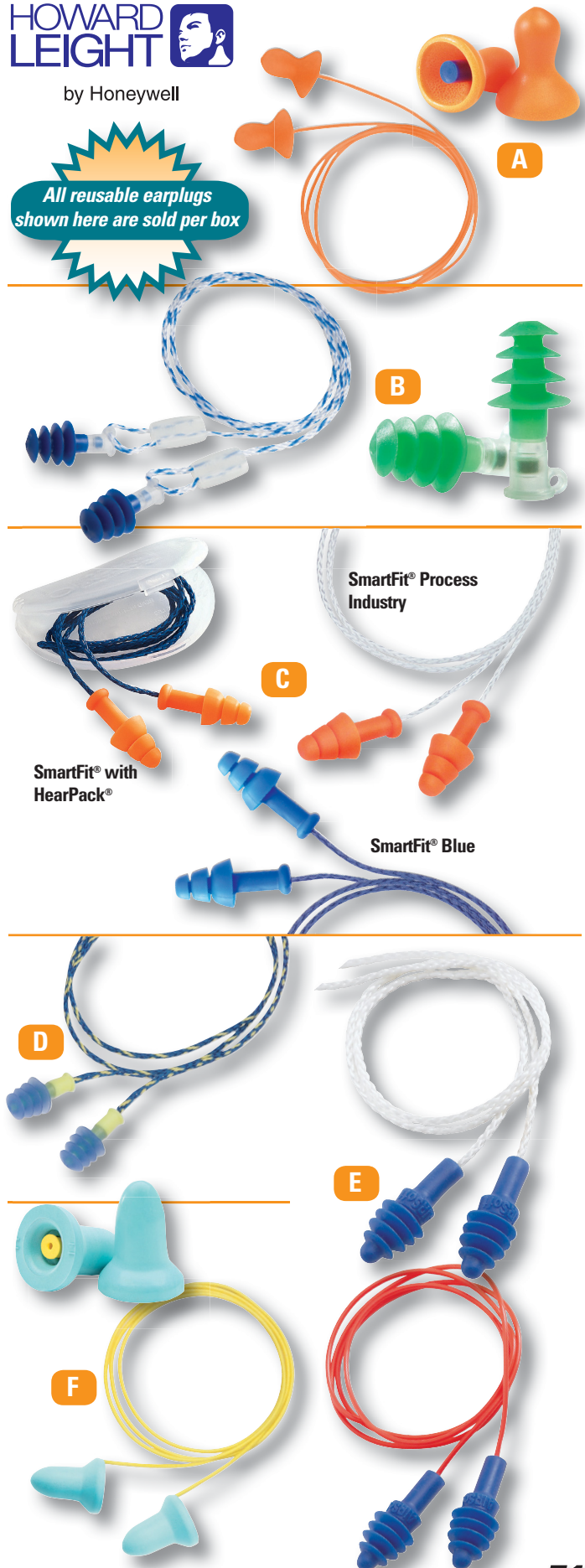
Part Number	Description	NRR	Packaged	Price
HLIDPAS-1	Uncorded - Polybag	27	100 pr/bx	103.00
HLIDPAS-30R	Corded - Polybag	27	100 pr/bx	137.30
HLIDPAS-30W	White Corded - Polybag	27	100 pr/bx	137.30
HLIAS-1	Uncorded	27	50 pr/bx	64.10
HLIAS-30R	Corded	27	50 pr/bx	82.40

## F. Pilot™ Multiple-Use Earplugs

- Combine the performance of Howard Leight's Quiet® with the superior comfort of MAX® in a hybrid, push-in style earplug
- Pilot™ delivers long-wearing comfort and total control over your fit
- Inserts easily into your ear with a simple fingertip twist of the Navigation Stem for a quick, snug and comfortable fit
- Soft, pearl-skinned Howard Leight® polyurethane foam is resilient and easy to clean, delivering reliable, long-wearing performance
- NRR 26 provides ideal, consistent hearing protection in more noise environments and for more workers
- Can be used for up to several working days/shifts without impacting its overall performance

NRR 26

Part Number	Description	NRR	Packaged	Price
HLIPLT1	Uncorded	26	100 pr/box	38.80
HLIPLT30	Corded	26	100 pr/box	63.49



- Head and Face Protection
- Hearing Protection
- Respiratory Protection
- Instrumentation Confined Space
- Fall Protection
- Hand Protection
- Protective Workwear
- First Aid Products
- Spill Control & Containment
- Facility Supplies
- Flammable Storage

# Disposable and Reusable Earplugs



- Head and Face Protection
- Hearing Protection
- Respiratory Protection
- Instrumentation Confined Space
- Fall Protection
- Hand Protection
- Protective Workwear
- First Aid Products
- Spill Control & Containment
- Facility Supplies
- Flammable Storage

All reusable earplugs shown here are sold per box

## A. 3M™ E-A-R™ Express™ Disposable Pod Plugs™

- Grip design reduces need to touch the plug promoting proper hygiene
- Available in blue or assorted colors, uncorded and corded



Part Number	Description	NRR	Packaged	Price
CAS321-2100	Uncorded, Blue	25	100 pr/bx	56.00
CAS311-1114	Corded, Blue	25	100 pr/bx	89.00
CAS321-2200	Uncorded, Assorted	25	100 pr/bx	56.00
CAS311-1115	Corded, Assorted	25	100 pr/bx	90.00

## B. 3M™ E-A-R™ E-Z-INS™ Reusable Earplugs

- Contoured to fit a wide range of ear canals with no roll-down needed
- Flexible insertion tip
- Washable and reusable



Part Number	Description	NRR	Packaged	Price
CAS350-4000	Uncorded	22	100 pr/bx	34.00
CAS350-4001	Corded	22	100 pr/bx	56.00

## C. 3M™ E-A-R™ UltraFit™ 27 Reusable Earplugs

- Proven triple-flange design made of polymer offers reliable protection while ergonomic pistol grip helps make fitting easier
- Washable and reusable



Part Number	Description	NRR	Packaged	Price
CAS340-8001	Uncorded	27	100 pr/bx	97.00
CAS340-8002	Corded	27	100 pr/bx	130.00

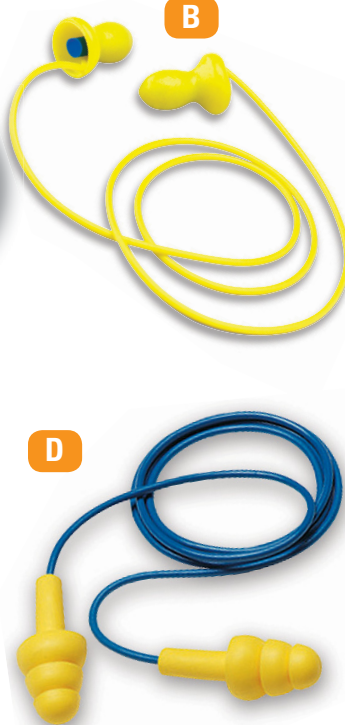
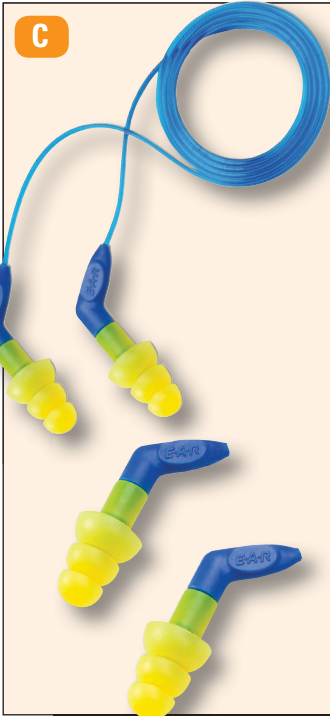
## D. 3M™ E-A-R™ UltraFit™ Premolded Reusable Earplugs

- Washable, promoting proper hygiene

• **MADE IN USA**



Part Number	Description	NRR	Packaged	Price
CAS340-4002	UltraFit™ Plus Corded, with Carrying Case and Chain	25	50 pr/bx	75.00
CAS340-6004	UltraFit™ Plus Corded, Individually Wrapped	25	100 pr/bx	155.00
CAS340-4003	Uncorded	25	100 pr/bx	90.00
CAS340-4004	Corded	25	100 pr/bx	123.00
CAS340-4014	Corded Econo Pack	25	200 pr/bx	188.00



### Care for your Hearing Protection Devices

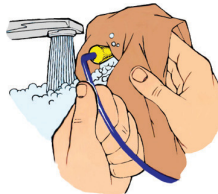
#### Protector Type

Reusable Earplugs	Banded Hearing Protectors	Earmuffs

Premolded plugs will normally last several months or more depending upon the type, and your work environment, hygiene, and body chemistry. They should be replaced if they shrink, harden, tear, crack, or become permanently deformed. Wash them in warm soapy water and rinse well. When dry, store them in a carrying case.



Most semi-inserts can be cleaned in the same way as premolded earplugs. Since the headband holds the tips in place to provide an acoustic seal, don't tamper with it as the protection the device provides may be reduced.



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



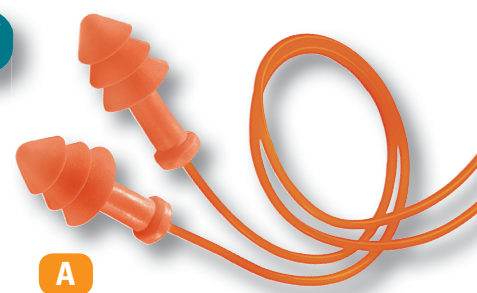
## A. Radnor® Reusable Earplugs

- Feature a triple flange design that provides exceptional hearing protection, long-wearing comfort and reusability
- Can be washed for weeks of use
- Intense orange plugs and cord make them highly visible
- Sold per box

NRR 24

Part Number	Description	NRR	Packaged	Price
RAD64051830	Uncorded	24	100 pr/bx	75.60
RAD64051831	Corded	24	100 pr/bx	100.00

All reusable earplugs shown here are sold per box



A

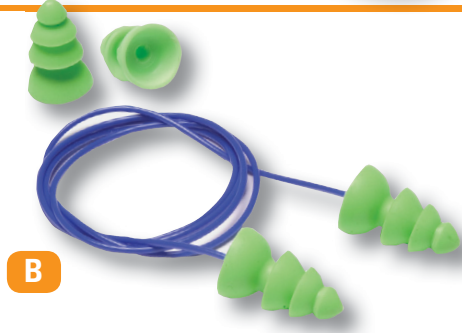


## B. Moldex® Comets® Reusable Earplugs

- Hearing protection at your fingertips
- User friendly finger pocket makes Comets® easy to insert
- Extra soft material and an air-cushioned tip provide all-day comfort
- Soft triple flange adjusts to most size ear canals to hold the plug securely in place
- Available in corded and uncorded models
- The bright green color is a trademark of Moldex-Metric, Inc. and also provides easy compliance checks

NRR 25

Part Number	Description	NRR	Packaged	Price
MOL6490	Uncorded	25	50 pr/bx	43.35
MOL6495	Corded	25	50 pr/bx	58.25



B

## C. Moldex® Rockets® Reusable Earplugs

- Independently tested NRR 27
- Easy grip handle lets earplugs easily slip into ear
- Air bubble in tip provides cushioned comfort
- Earplugs can be washed and reused
- Pocket-Pak® carrying case provides hygienic storage of plugs between uses
- Available in corded and uncorded

NRR 27

Part Number	Description	NRR	Packaged	Price
MOL6400	Uncorded, Pocket-Pak®	27	50 pr/bx	62.65
MOL6404	Corded, Polybag	27	50 pr/bx	81.90
MOL6405	Corded, Pocket-Pak®	27	50 pr/bx	86.95
MOL6420	Cloth Corded-Removable, Pocket-Pak®	27	50 pr/bx	95.90



C

## D. 3M™ E-A-R™ ARC Plug™ Reusable Earplugs

- Nonlinear acoustical design with a calibrated filter within the plug stem for hearing protection against impact noise
- Insert the yellow end for immediate protection against impact noise. When impulse noise subsides, the ARC Plug™ reverts back to hear-through clarity
- Insert red end for constant noise protection
- No batteries required
- Washable and reusable
- 10 pair per case
- Sold per box

Red Side Only  
NRR 22

Part Number	Description	NRR	Packaged	Price
CASP370-2000	ARC Plugs™	22	10 pr/bx	135.30



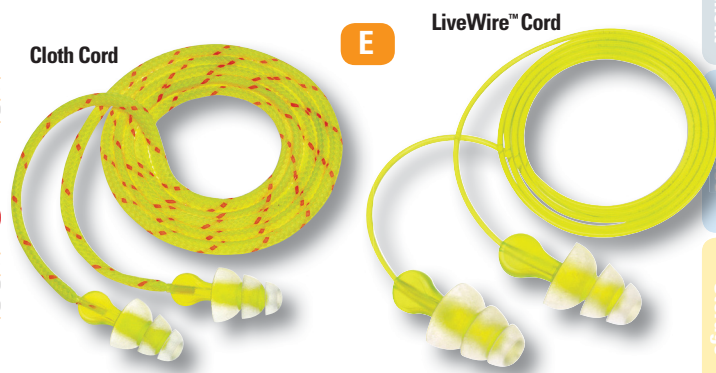
D

## E. 3M™ Tri-Flange™ Reusable Earplugs

- Features soft, pliable, translucent flanges to form a triple-level seal against noise
- Available with a vinyl cord or cloth cord

NRR 26

Part Number	Description	NRR	Packaged	Price
CASP3000	Tri-Flange™ Corded, LiveWire™	26	100 pr/bx	109.00
CASP3001	Tri-Flange™ Corded, Cloth	26	100 pr/bx	111.00



E

LiveWire™ Cord

Cloth Cord

Facility Cleaning

Head and Face Protection  
Hearing Protection  
Respiratory Protection  
Instrumentation Confined Space  
Fall Protection  
Hand Protection  
Protective Workwear  
First Aid Products  
Spill Control & Containment  
Flammable Storage

# Metal Detectable Earplugs

All metal detectable earplugs shown here are sold per box

- Head and Face Protection
- Hearing Protection
- Respiratory Protection
- Instrumentation Confined Space
- Fall Protection
- Hand Protection
- Protective Workwear
- First Aid Products
- Spill Control & Containment
- Facility Supplies
- Flammable Storage



**A** **B** **C**

**HOWARD LEIGHT** 

by Honeywell

**A. Howard Leight® Laser Trak® Detectable Disposable Earplugs**

- Non-ferrous metal grommet and bright colors — easily detected by visual and automated inspection
- Self-adjusting polyurethane foam expands to fit virtually any wearer
- Contoured T-shape for easy insertion and wear

**NRR 32**

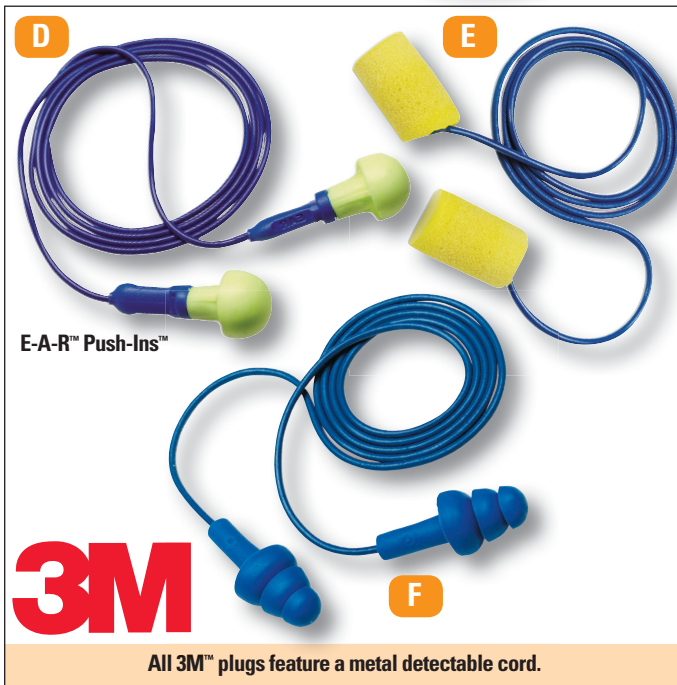
Part Number	Description	NRR	Packaged	Price
HLILT-30	Corded	32	100 pr/bx	44.60

**B. Howard Leight® Fusion® Detectable Reusable Earplugs**

- Patented dual material design
- FlexiFirm® stem is easy to grasp, ensures easy insertion into the ear canal
- SoftFlanges™ create comfortable seal in the ear canal for superior comfort and protection
- Attached cord and metal stem ring easily detected by automated equipment
- Blue color provides high visibility in detection
- Cleaning with soap and water, lasts for weeks
- Two sizes fine-tune fit for personal comfort and safety

**NRR 25**

Part Number	Description	NRR	Packaged	Price
HLIFDT-30-SM	Detachable Cord, Hear Pack® Box - Small	25	100 pr/bx	171.60
HLIFDT-30	Detachable Cord, Hear Pack® Regular	25	100 pr/bx	171.60



**D** **E** **F**

**E-A-R™ Push-Ins™**

**3M**

All 3M™ plugs feature a metal detectable cord.

**C. Howard Leight® SmartFit® Detectable Reusable Earplugs**

- Conforming Material Technology™ adapts to the shape of the surrounding ear canal when in your ear, and returns the earplug to its original shape when removed
- Deliver superior comfort and a truly individual fit
- Simplifies inventory control - a single product can fit almost every wearer
- Blue color provides high visibility in detection
- Metal ring on stem detectable by automated equipment

**NRR 25**

Part Number	Description	NRR	Packaged	Price
HLISDT-30	Attached Cord, Polybag	25	100 pr/bx	160.00

**D. 3M™ E-A-R™ Metal Detectable Earplugs**

- A surgical-grade stainless-steel ball bearing is encased in each earplug

**NRR 28**

Part Number	Description	NRR	Packaged	Price
CAS318-3000	Push-Ins™ Corded	28	200 pr/bx	184.00
CAS311-4106	EARSoft™ Corded	28	200 pr/bx	82.00
CAS311-1127	Express™ PodPlugs™ Corded	28	100 pr/bx	123.00

**E. 3M™ E-A-R™ Classic™ Plus Metal Detectable Disposable Earplugs**

- The E-A-R™ Yellow color is your assurance of proven protection
- Slow recovery foam provides comfort with low pressure

**NRR 33**

Part Number	Description	NRR	Packaged	Price
CAS311-4101	Corded, Polybag	33	200 pr/bx	98.00

**F. 3M™ E-A-R™ Classic™ UltraFit™ Metal Detectable Reusable Earplugs**

- Feature a metal detectable attached cord and surgical-grade steel ball bearing in the stem for detectability

**NRR 25**

Part Number	Description	NRR	Packaged	Price
CAS340-4007	Corded	25	100 pr/bx	148.00



**G** **H**

**MOLDEX** Ideas that wear well.

**PVC FREE**

**G. Moldex® SparkPlugs® Metal Detectable Disposable Earplugs**

- Ball bearing and cord are in separate holes so that the earplugs remain detectable even if the cord is removed
- New detectable cord

**NRR 33**

Part Number	Description	NRR	Packaged	Price
MOL6615	Corded	33	100 pr/bx	48.80

**H. Moldex® Rockets® Metal Detectable Reusable Earplugs**

- Easy grip handle allows easy insertion
- Air bubble in the tip provides cushioned comfort
- Enclosed metal spring eliminates any exposed metal
- Bright blue detectable model is ideal for food processing use

**NRR 27**

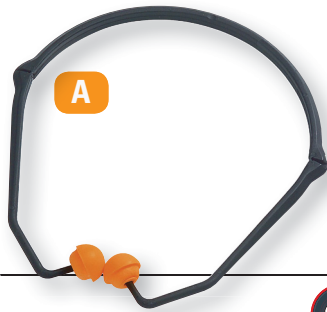
Part Number	Description	NRR	Packaged	Price
MOL6415	Corded	27	50 pr/bx	103.60

**A. Radnor® Folding Banded Caps**

- Super soft pods rest outside the ear canal opening providing semi-aural protection
- Multiple-position wear over-the-head, under-the-chin or behind-the-neck provides flexibility
- Compact, folds easily in pocket when not in use
- Lightweight and comfortable for both short-term and long-term wear



Part Number	Description	NRR	Packaged	Price
RAD64051840	Banded Caps	21	Each	4.15



RAD64051840

**RADNOR**

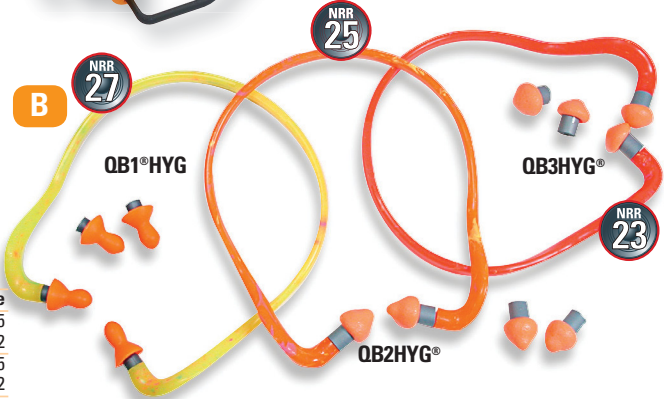


by Honeywell

**B. Howard Leight® Quiet® Bands**

- Patented band design prevents ear pods from touching dirty or contaminated surfaces
- Lightweight and portable—designed especially for environments with intermittent noise hazards
- Include pair of replacement pods

Part Number	Description	NRR	Packaged	Price
HLIQB1HYG	QB1®HYG Inner-Aural	27	Each	5.15
HLIQB100HYG	Pair of Replacement QB1®HYG Pods		Pair	2.52
HLIQB2HYG	QB2HYG® Supra-Aural	25	Each	5.15
HLIQB200HYG	Pair of Replacement QB2HYG® Pods		Pair	2.52
HLIQB3HYG	QB3HYG® Semi-Aural	23	Each	5.15
HLIQB300HYG	Pair of Replacement QB3HYG® Pods		Pair	2.52



Ideas that wear well.



Replacement Pods

**C. Moldex® Wave Band®**

**Hearing Protector**

- Floating Design — The sleek wave design allows the band to float, keeping it away from the wearer's body and clothing creating freedom of movement and reducing the problem of noise transmission
- Ideal for situations which require users to remove and replace their hearing protection frequently
- Soft foam pods provide exceptional comfort and are angled to the ideal position for the ear canal
- Innovative design and ultra light weight increase worker acceptance
- One pair of replacement foam pods is included in each package
- The bright green color is a trademark of Moldex-Metric, Inc. and also provides easy compliance checks
- NRR 22 dB, independently tested to ANSI S3.19-1974
- 100% PVC-Free



Part Number	Description	NRR	Packaged	Price
MOL6520	Wave Band®	22	Each	4.38
MOL6505	Wave Band® Replacement Pods	22	5 pr/bag	2.59

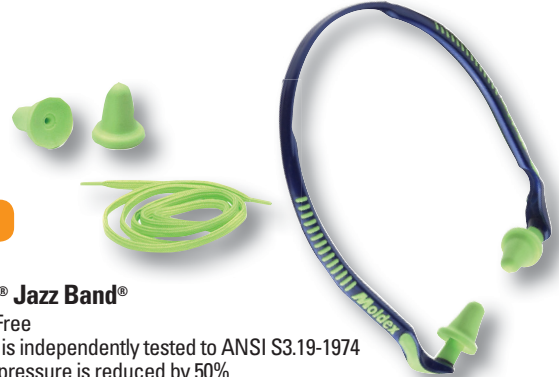


**D. Moldex® Jazz Band®**

- 100% PVC-Free
- Jazz Band® is independently tested to ANSI S3.19-1974
- New, band pressure is reduced by 50%
- Extra-soft tapered foam pods gently conform to the ear canal
- Jazz Band® is the ideal choice for intermittent usage
- Hangs easily down around the user's neck with optional breakaway neck cord
- Greater comfort and fit for increased compliance and convenience
- A cooler and lighter alternative to earmuffs
- Jazz Band® doesn't interfere with eyewear
- Jazzy style increases worker acceptance
- Includes breakaway neck cord and extra set of pods
- The bright green color is a trademark of Moldex-Metric, Inc



Part Number	Description	NRR	Packaged	Price
MOL6506	Jazz Band®	25	Each	6.06
MOL6504	Replacement Pods		5 pr/bg	2.59



CAS321-2103

**E. 3M™ E-A-R™ Caps™ Model 200 Hearing Protector**

- Non-invasive, comfortable hearing protection
- Lightweight alternative to earmuffs
- Band helps prevent loss and is ideal for intermittent use



Part Number	Description	NRR	Packaged	Price
CAS321-2101	E-A-R™ Caps™	17	Each	4.67
CAS321-2103	Replacement Caps	17	10/pk	12.41



CAS320-1001

CAS322-2001



**F. 3M™ E-A-R™ Swerve™ Hearing Protector**

- Contoured bands helps minimize contact between the band and collars or helmets
- Two tip options included - Flex 28 Tips and Comfort Tips
- NRR 19 dB with Comfort tips
- Durable, lightweight, adjustable band that rebounds well for frequent on and off wearing
- Contemporary behind-the-head design encourages compliance



Part Number	Description	NRR	Packaged	Price
CAS322-2000	Swerve™ with Flex 28 Tips	28	Each	8.87
CAS320-1001	Flex 28 Tips		10/pk	14.19
CAS322-2001	Comfort Tips		10/pk	13.05

Head and Face Protection  
Hearing Protection  
Respiratory Protection  
Instrumentation Contained Space  
Fall Protection  
Hand Protection  
Protective Workwear  
First Aid Products  
Spill Control & Containment  
Facility Supplies  
Flammable Storage

# Earmuffs

- Head and Face Protection
- Hearing Protection
- Respiratory Protection
- Instrumentation Confined Space
- Fall Protection
- Hand Protection
- Protective Workwear
- First Aid Products
- Spill Control & Containment
- Facility Supplies
- Flammable Storage

**A**



by Honeywell

## A. Leightning® Noise Blocking Earmuffs

- Robust steel headband withstands demanding use, especially in tough environments — snap-in ear cushions make replacement quick and easy
- Padded foam headband delivers long-wearing comfort with minimal pressure on the head
- Patented Air Flow Control™ technology provides optimal attenuation across all frequencies — three attenuation levels allow for targeted attenuation for a variety of applications
- Telescopic height adjustment remains fixed during use

**Cap-Mounted** styles (not shown) can be used with a wide range of hard caps

**Neckband** styles have a sleek, anatomic behind-the-neck design for use with face shields, visors, hard hats and other PPE includes attached, adjustable elastic headband for improved comfort and fit

Part Number	Description	Style	NRR	Price
HLI1010922	L1, Slimline	Headband	25	11.36
HLI1010923	L2, Medium Attenuation	Headband	27	20.85
HLI1010924	L3, High Attenuation	Headband	30	25.80
HLI1011991	L1H, Slimline	Cap-Mounted	23	11.36
HLI1011992	L2H, Medium Attenuation	Cap-Mounted	25	20.85
HLI1011993	L3H, High Attenuation	Cap-Mounted	27	25.80
HLI1013460	L0N, Ultraslim	Neckband	22	11.36
HLI1011994	L1N, Slimline	Neckband	25	11.36
HLI1011995	L2N, Medium Attenuation	Neckband	26	20.85
HLI1011996	L3N, High Attenuation	Neckband	28	25.80
HLI1013461	L0F, Ultraslim	Folding	23	21.81
HLI1011997	L2F, Medium Attenuation	Folding	27	22.01

**B**



## B. Leightning® High-Visibility Noise Blocking Earmuffs

- Bright green earmuffs provide high visibility and contrast outdoors, in low lighting
- Reflective padded headband illuminates under light for increased visibility and safety
- Incorporate same features as Leightning® Series

Part Number	Description	Style	NRR	Price
HLI1015020	L1HHV, Slimline	Cap-Mounted	23	12.84
HLI1013942	L2FHV, Medium Attenuation	Folding	27	22.44
HLI1013941	L3HV, High Attenuation	Headband	30	26.93

**C**



## C. Thunder® Noise Blocking Earmuffs

- Dielectric construction suitable for all workplaces, especially electrical environments
- Uniform headband pressure for all head sizes
- Inner-ventilated headband minimizes pressure on the head, breathes easier in warm/humid climates (T2 and T3 only)
- Non-deforming outer headband withstands rough treatment in the toughest workplaces
- Quick-Click height adjustment remains fixed during wear
- Snap-in ear cushions make replacement quick and easy
- Feature patented Air Flow Control™ technology, delivering optimal attenuation across all frequencies without increasing earmuff size or weight

Part Number	Description	Style	NRR	Price
HLI1010928	T1, Slimline	Headband	26	11.36
HLI1010929	T2, Medium Attenuation	Headband	28	20.20
HLI1010970	T3, High Attenuation	Headband	30	26.93
HLI1011601	T1H, Slimline	Cap-Mounted	23	11.36
HLI1011602	T2H, Medium Attenuation	Cap-Mounted	25	20.20
HLI1011603	T3H, High Attenuation	Cap-Mounted	27	26.93
HLI1011600	T1F, Slimline	Folding	25	15.96
HLI1015820	T2HV, Hi-Visibility	Headband	28	21.98

**D**



## D. Viking® Multiple-Position Earmuffs

- Multiple-position headband allows wearer to select position over the head, behind the head or under the chin — alternative to cap-mounted earmuffs
- Patented Air Flow Control™ technology, delivering optimal attenuation across all frequencies without increasing ear-cup size or weight
- Inner-ventilated headband minimizes pressure on the head, breathes easier in warm/humid climates (V2 and V3 only)
- Snap-in ear cushions make replacement quick and easy
- Include attached elastic headband strap for better positioning when worn behind the head or under the chin
- Dielectric construction suitable for electrical environments

Part Number	Description	Style	NRR	Price
HLI1010925	V1, Slimline	Headband	25	10.33
HLI1010926	V2, Medium Attenuation	Headband	27	19.64
HLI1010927	V3, High Attenuation	Headband	29	24.68

# RADNOR®



A

## A. Radnor® Multiple Position Earmuff

- Multiple-position headband for wearing over-the-head, behind-the-head or under-the-chin
- Alternative to cap-mounted earmuffs when using other PPE
- Dielectric construction suitable for electrical environments

NRR 25

Part Number	Description	NRR	Price
RAD64051850	Multi-Position Earmuff	25	8.35



### PELTOR™ OPTIME™ SELECTION SYSTEM

The OPTIME™ number is a guideline in the selection of PELTOR™ hearing protection. For noise levels up to, but not exceeding 95 dBA, use the OPTIME™ 95 muff. For noise levels up to, but not exceeding 101, choose the OPTIME™ 101 muff, etc.

## B. 3M™ Peltor™ OPTIME™ 95 Earmuffs

- Behind the Head version is ideal for use under welding helmets and hard caps

NRR 21

Part Number	Description	NRR	Price
CASH6A/V	OPTIME™ 95 Headband Earmuff	21	11.67
CASH6B/V	OPTIME™ 95 Behind the Head Earmuff	21	15.20
CASH6P3E/V	OPTIME™ 95 Helmet Attachable Earmuff	21	15.58
CASHY6/V	OPTIME™ 95 Hygiene Kit*		10.04

## C. 3M™ Peltor™ OPTIME™ 98 Earmuffs

- Individual stainless-steel spring headband wires, broad foam cushions and padded headband add comfort

Part Number	Description	NRR	Price
CASH9A	OPTIME™ 98 Headband Earmuff	25	14.25
CASH9P3E	OPTIME™ 98 Helmet Attachable Earmuff	23	15.30
CASHY3	OPTIME™ 98 Hygiene Kit*		9.85

## D. 3M™ Peltor™ OPTIME™ 101 Earmuffs

- Recommended for high noise levels (up to 105 dBA)
- Broad ear cushions with combined liquid and foam filling give good sealing and low surface pressure

Part Number	Description	NRR	Price
CASH7A	OPTIME™ 101 Headband Earmuff	27	21.21
CASH7B	OPTIME™ 101 Behind the Head Earmuff	26	19.98
CASH7P3E	OPTIME™ 101 Helmet Attachable Earmuff	24	15.45
CASHY7	OPTIME™ 101 Hygiene Kit*		10.04

## E. 3M™ Peltor™ OPTIME™ 105 Earmuffs

- Dual shell design minimizes resonance and improves attenuation
- Wide padded headband and foam ear cushions allow for a good fit and comfortable long term use

Part Number	Description	NRR	Price
CASH10A	OPTIME™ 105 Headband Earmuff	30	24.27
CASH10B	OPTIME™ 105 Behind the Head Earmuff	29	22.28
CASH10P3E	OPTIME™ 105 Helmet Attachable Earmuff	27	28.11
CASH10AHV	OPTIME™ 105 High Visibility Earmuff	30	27.44
CASHY10	OPTIME™ 105 Hygiene Kit*		10.52

## F. 3M™ Peltor™ PowerCom PLUS™ 2-Way Radio Headset

- Transmits up to two miles with 22 channels and 38 privacy subchannels
- Push-to-talk or voice activated, it also has an ambient surround listening feature and advanced ghost voice technology
- Includes rechargeable battery pack listed below

Part Number	Description	NRR	Price
CASMT53H7A4610	PowerCom PLUS™ Headband	25	752.26
CASMT53H7B4610	PowerCom PLUS™ Neckband	25	752.26
CASMT53H7P3E461	PowerCom PLUS™ Hardcap Mount	24	752.26

### Intrinsically SafePowerCom PLUS™

CASMT53H7A4620	IS PowerCom PLUS™ Headband	25	772.79
CASMT53H7B4620	IS PowerCom PLUS™ Neckband	25	772.79
CASMT53H7P3E462	IS PowerCom PLUS™ Hardcap Mount	24	772.79
CAS88009-00000	Rechargeable Battery Pack		78.40



B

OPTIME™ 95



C

NRR 23

OPTIME™ 98  
Helmet Attachable



D

OPTIME™ 101

NRR 27



E

OPTIME™ 105

NRR 30



NRR 29

OPTIME™ 105  
Behind the Head



F

NRR 25

\*Hygiene Kit..... Easily replaceable hygiene kit consisting of 2 snap in ear cushions and 2 damping pads. Suggested replacement at least twice yearly to ensure a consistent level of protection and comfort.

Head and Face Protection

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Respiratory Protection

Instrumentation Confined Space

Fall Protection

Hand Protection

Protective Workwear

First Aid Products

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