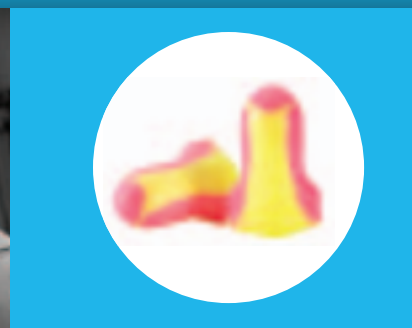
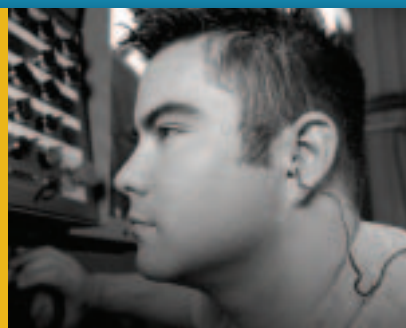
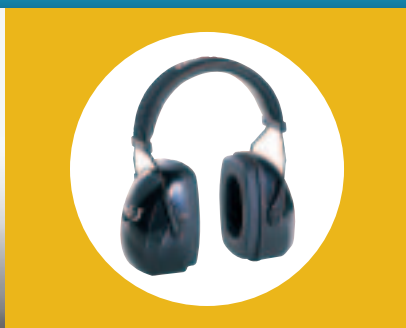
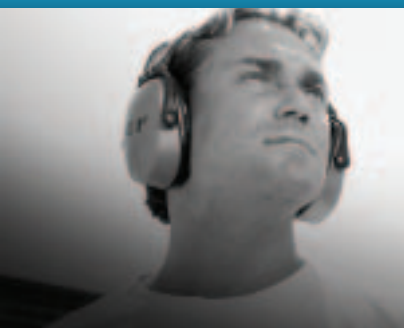


2008 Product Selection Guide



It's a matter
of choice.



Hearing conservation is about more than supplying your employees with earplugs or earmuffs that block the most noise. It is about finding the solution that's right for your people.

At Howard Leight, we realize that the people who depend on our products to protect their hearing are as diverse as you can imagine. And the ways people select the right hearing protection are just as diverse. We've designed this Selection Guide with these guidelines in mind.

What's most important to you and your employees? Reusability vs. hygiene? Long-term comfort? NRR? Detectability? Convenience? Unique industry requirements? You'll find all of Howard Leight®'s hearing protection products indexed in ways that help you find the solution you need, your way.

The right fit for every user, every environment

This product selection guide helps you learn more about the products you currently use and explore new options.

Noise-Induced Hearing Loss is 100% Preventable.

Hearing Conservation

Understand the basics of hearing conservation, regulations that impact your decision making and best practices designed to make your hearing conservation program more effective.

Pages 2-7



Earplugs

Already know that earplugs work well for your environment? Explore our full line of products to discover options for fit, NRR, materials and more.

Pages 7-20



Earmuffs

Need to understand all the options for your employees? Discover a range of wearing styles, choices for enhancing communications and a wide range of special features for every environment.

Pages 21-37



Search By...

Does your industry or application have special requirements? Our Search By sections will help guide your product selection.

Pages 38-43



Attenuation Charts

Review the full attenuation charts for all our products.

Pages 45-47

VeriPRO™

Determine each employee's actual attenuation in minutes.

Pages 48

Still looking for the right hearing protector? Visit the Hearing Protector Selector at howardleight.com for more solutions!

Noise-induced hearing loss is 100% preventable.

Unlike most occupational injuries, there is no visible evidence of noise-induced hearing loss (NIHL). It is not traumatic and often goes unnoticed when it first occurs. Noise-induced hearing loss accumulates over time, its effects realized long after the damage has been done. NIHL is **permanent and irreversible**. With proper education, motivation and protection, however, it is also **100% preventable**.

According to the World Health Organization, noise-induced hearing loss is the most common permanent and preventable occupational illness in the world. In the United States alone, more than 30 million workers are exposed to hazardous noise on a daily basis, and 10 million workers suffer from noise-induced hearing loss (source: NIOSH).

Howard Leight is committed to providing new motivational and training tools to build an effective Hearing Conservation Program that works for your employees. Visit howardleight.com throughout the year to learn more and receive these tools.

When is noise considered hazardous?

Anytime you must shout at someone an arm's length away to be heard. While exposure to hazardous noise is common, prevention of NIHL is simple: consistent use of properly fitted hearing protection when exposed to hazardous noise. That is the goal of every Hearing Conservation Program.

Noise-induced hearing loss is not solely a workplace issue. It can happen off the job, too. Many employees use power tools, attend loud rock concerts and sporting events, or participate in shooting sports. All are opportunities for exposure to hazardous noise. Prevention is the key, on and off the job.

Indicators of Noise-Induced Hearing Loss

Although there are no visual signs, there are a few simple indicators of NIHL. Identification in its early stages can help prevent further damage.

Gradual Progression

NIHL rarely happens overnight. Rather, it accumulates over time with every unprotected exposure to hazardous noise, usually in both ears. This progression can be detected through healthy hearing practices, including the performance of annual audiograms on all employees in your Hearing Conservation Program. Audiograms can identify whether your employees are experiencing a Temporary Threshold Shift (TTS), or a Standard Threshold Shift (STS), which indicates permanent damage and requires further preventative action.

High-Frequency Hearing Loss

When hearing impairment begins, the high frequencies are often lost first, which is why people with NIHL often have difficulty hearing high pitched sounds such as human voices, alarms and signals. Compared to other sounds, they will seem muffled or distorted.

With normal hearing, conversations are understandable if they are loud enough. When someone suffers from noise-induced hearing loss, simply turning up the volume does not make speech clearer. The clarity is adversely affected regardless of how loud the volume.

Common Symptoms

Those suffering from noise-induced hearing loss will experience tinnitus (ringing in the ears) or muffled hearing. Non-auditory effects of NIHL may include increased stress, high blood pressure, sleep problems and/or headaches.

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.

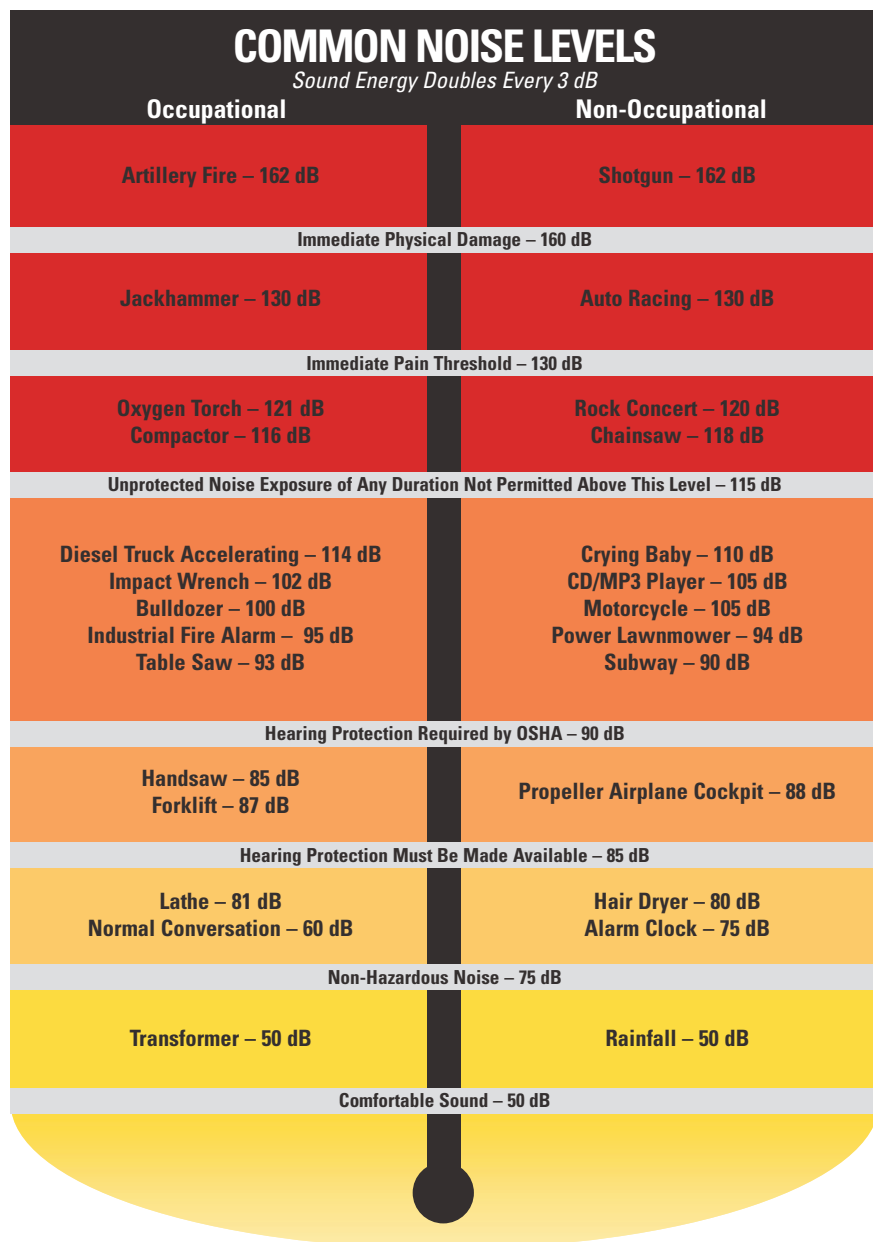
	Noise Monitoring	Audiometry
Required by OSHA when employees are exposed to 85 dBA or higher (8-hour TWA)	<p>Noise monitoring is required within the facility.</p> <p>Area Noise Sampling – Using a sound level meter, take a general measurement of noise in each section of your facility.</p> <p>Personal Noise Sampling – Using a dosimeter, measure each employee's exposure to noise over his/her workshift.</p>	<p>Annual hearing tests must be available to all employees, and performed by a professional or qualified technician.</p> <p>Baseline Audiogram – Required within six months of first exposure or hire.</p> <p>Audiogram Evaluation – Problem audiograms must be reviewed by an audiologist, otolaryngologist or physician.</p> <p>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.</p>
Best practices that promote and motivate hearing conservation	<p>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.</p> <p>Post a Noise Map – A noise map in common areas is an effective way to notify employees of area noise and related changes.</p> <p>Document Exposure – Each employee's TWA noise exposure should be recorded in his/her personnel file.</p>	<p>Retain Records – This will help your audiologist compare audiograms serially over time.</p> <p>Get Follow-Up Reports – Ensure that your testing service provides understandable follow-up reports.</p> <p>Review Results Immediately – Studies show that reviewing audiometric test results with employees right after testing yields a more positive impact.</p>



Hearing Protectors	Training	Recordkeeping
<p>A variety of suitable hearing protectors must be made available at no cost to employees.</p> <p>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.</p> <p>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.</p>	<p>Provide annual hearing conservation training to all employees on the following:</p> <ul style="list-style-type: none"> Effects of Noise Exposure Use, Selection and Fitting of Hearing Protection Devices (HPD) Audiometric Test Procedures 	<p>Retain all employee records, including exposure measurements and audiometric tests.</p> <p>Records to Keep – Exposure measurements, audiometric tests and OSHA Form 300.</p> <p>Accessible Records – All records must be made accessible to employees upon request and transferred to new organizations upon acquisition or close of business.</p>
<p>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.</p> <p>Personal Attenuation Rating (PAR) – Determine employees’ earplug fit effectiveness by using field verification systems, such as VeriPRO™. Find out if they are receiving optimal protection, require additional training on earplug fitting, or need to try a different model.</p> <p>Make HPDs Convenient – Increase accessibility to hearing protection by installing earplug dispensers near time clock or by placing earmuffs at supervisor stations.</p>	<p>Provide One-on-One Training – This individualized attention will make for a more memorable training experience.</p> <p>Offer Ongoing Education – Distribute informational flyers and hang motivational posters in common areas and near hearing protection sources. Offer “toolbox” trainings throughout the year.</p>	<p>Get Follow-Up Reports – Make sure your testing service provides follow-up reports that allow you to track audiograms over time.</p> <p>Post OSHA Guidelines – As required, post a copy of the OSHA Occupational Noise Standard in a visible location.</p>

Understanding the Risks

Employees are generally unaware of the potentially harmful noise levels they are exposed to every day — both on the job and off. The Howard Leight® Noise Thermometer is a highly effective visual tool that helps employees understand noise risks in everyday activities and OSHA hearing protection requirements.



Main Components of OSHA Occupational Noise Standard 29 CFR 1910.95

OSHA Action Level - 85 dBA

Monitor all noise levels

Annual audiometric testing for exposed workers

Annual training for exposed workers

Variety of suitable hearing protectors must be made available at no cost to the employee

OSHA Permissible Exposure Limit - 90 dBA

Hearing protectors required for noise-exposed workers



OSHA Permissible Exposure Limit - 90 dBA TWA

Hearing protectors required for all exposures over these levels:	Hours Per Day	8	6	4	3	2	1.5	1	0.5
	Sound Level (dBA)	90	92	95	97	100	102	105	110



Earplugs

It's all about choice.

A commitment to hearing protection means considering all the features that make one earplug different from another: material, shape, size and NRR. Howard Leight makes it easy to compare products and ensure that all your employees receive the right fit and protection.

Selecting the right protection for your employees means more than choosing the earplug with the highest NRR.

Fit.

Fitting ear canals of all shapes and sizes doesn't have to be difficult.

The right earplug should feel comfortable in the ear canal without compromising protection. Howard Leight® earplugs offer a combination of advanced design and material science that ensures the proper fit for every employee.

Selection.

Why so many earplugs?

Because people, their ears and their environments are all so different.

Howard Leight offers the widest range of styles to accommodate almost any situation.

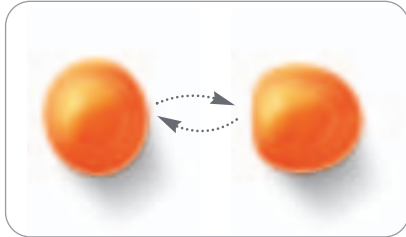
Protection.

Hearing protection only works when people use it.

Howard Leight earplugs provide a range of Noise Reduction Ratings that target hearing protection without compromising overall employee safety.

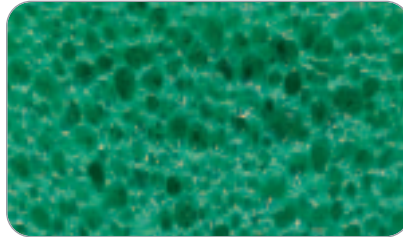
Conforming Material Technology™

(CMT) A marvel of user-friendly design, the CMT in SmartFit® utilizes body heat to adapt to each wearer's ear canal for a comfortable, personalized fit.



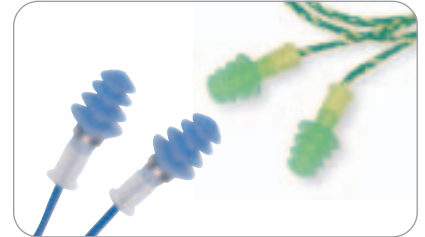
Polyurethane Foam

Our patented open-cell polyurethane foam formulation used in Single-Use earplugs delivers a comfortable fit without compromising protection.



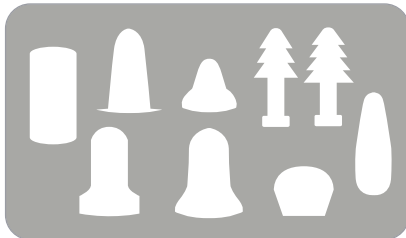
Sized Earplugs

One size doesn't always fit all. That's why Howard Leight® offers many Multiple-Use earplugs in a variety of sizes.



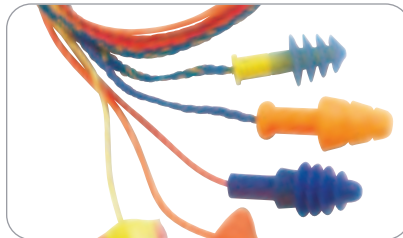
Shapes

To provide the best fit for every ear, Howard Leight earplugs are available in a range of shapes to match your individual comfort preference.



Cording Options

In many environments, employees need to remove earplugs during the course of the day. Our range of corded products makes removing and refitting more convenient.



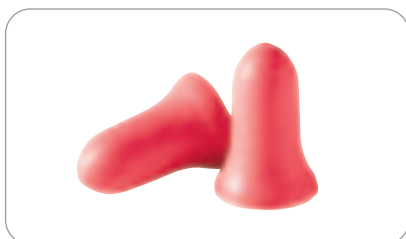
Dispensers

Dispensers are an economical and convenient way to ensure easy access to hearing protection. Use them everywhere you find hazardous noise.



Highest Attenuation

For those exposed to high levels of hazardous noise, our Max® earplug's NRR 33 offers the highest attenuation available.



Lower Attenuation

Avoid overprotection in marginal noise environments with lower NRR earplugs, like our new Clarity® multiple-use earplugs (NRR 21).



Intermittent Noise

For employees who are in and out of noisy areas, banded earplugs are a convenient solution; they can be put on and removed in a snap.



Earplug Overview

Every ear has different requirements for fit. Every environment has different requirements for protection. That's why Howard Leight provides a wide range of earplug choices.



Single-Use

Ideal for work situations that demand a high degree of comfort, frequent changes or where hygiene presents a problem for reuse.



Multiple-Use

Ideal for environments where employees can retain and store earplugs for reuse over time.

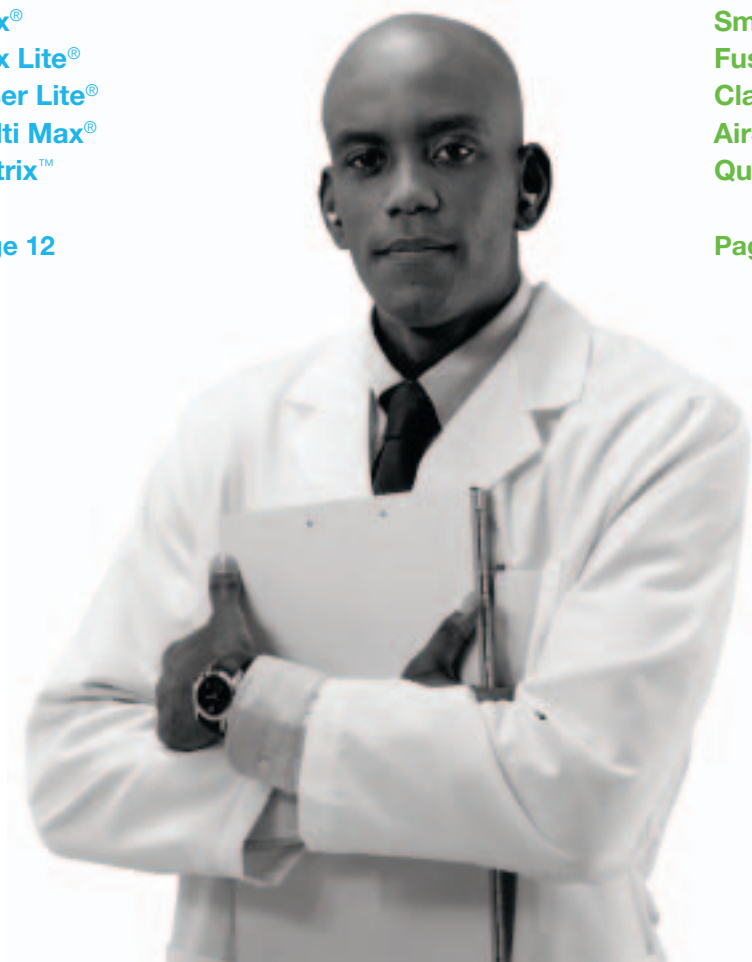


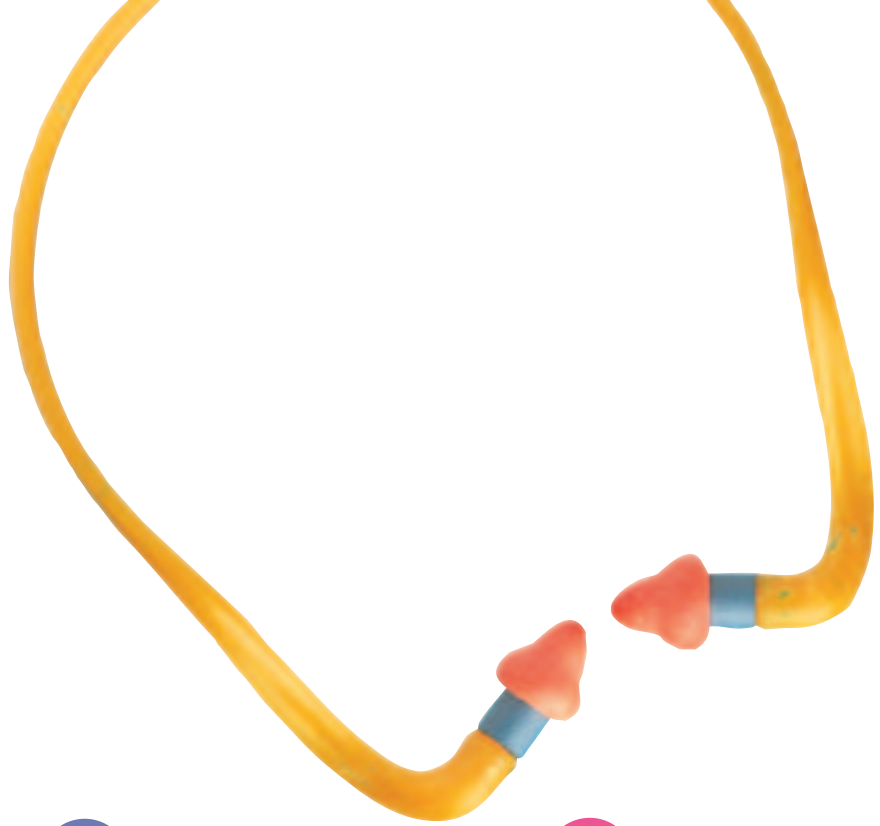
Max®
Max Lite®
Laser Lite®
Multi Max®
Matrix™

Page 12

SmartFit®
Fusion®
Clarity® New!
AirSoft®
Quiet®

Page 14





Detectable

Specially created for environments where contamination from foreign objects is unacceptable.

Laser Trak®
SmartFit® Detectable
Fusion® Detectable

Page 16



Dispensers

Save time and space, reduce waste and increase convenience with earplug dispensers.

Leight® Source 400
Leight® Source 500

Page 17



Banded

An alternative style of hearing protection for those who work in areas of intermittent noise.

QB1HYG®
QB2HYG®
QB3HYG®
PerCap®

Page 18



Single-Use

An economical and convenient choice for work situations that demand a high degree of comfort, frequent changes or where hygiene presents a problem for reuse.

Max®
NRR 33



Highest NRR in Single-Use

The world's most-used polyurethane foam earplug

Bell shape for maximum in-ear comfort

Contoured design for easy insertion, resists tendency to back out of the ear canal

Polyurethane foam enhances comfort, especially for long-term wear

Smooth, soil-resistant skin prevents dirt build-up

Max® USA style in patriotic red, white and blue

Available in paper bag packaging

SKU / Style / Packaging

MAX-1	Uncorded	Polybag
MAX-5	Uncorded	5 Pair, Resealable Bag
MAX-LS4	Uncorded	Leight® Source 400 bulk refill bag
MAX-1-D	Uncorded	Leight® Source 500 bulk refill box
MAX-30	Corded	Polybag
MAX-30-PB	Corded	Paper Bag
MAX1-USA	USA / Uncorded	Polybag
MAX-1-D-USA	USA / Uncorded	Leight® Source 500 bulk refill box
MAX30-USA	USA / Corded	Polybag

Max USA



Available in patriotic red, white and blue striped colors.

Max Lite®
NRR 30



Comfort for smaller ear canals

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

Available in paper bag packaging and/or with cotton cords

SKU / Style / Packaging

LPF-1	Uncorded	Polybag
LPF-1-PB	Uncorded	Paper Bag
LPF-LS4	Uncorded	Leight Source 400 bulk refill bag
LPF-1-D	Uncorded	Leight Source 500 bulk refill box
LPF-30	Corded	Polybag
LPF-30-P	Cotton Cord	Paper Bag

Laser Lite®
NRR 32



Highly visible protection

Vibrant colors for high visibility

Self-adjusting polyurethane foam expands to fit virtually every wearer

Contoured T-shape for easy insertion and fit

Smooth, soil-resistant skin prevents dirt build-up

Available in paper bag packaging

SKU / Style / Packaging

LL-1	Uncorded	Polybag
LL-1-PB	Uncorded	Paper Bag
LL-LS4	Uncorded	Leight Source 400 bulk refill bag
LL-1-D	Uncorded	Leight Source 500 bulk refill box
LL-30	Corded	Polybag
LL-30-PB	Corded	Paper Bag

Industries and Applications

Agriculture + Farming
Automotive
Aviation
Building Construction
Forestry
Furniture Manufacturing
General Contracting

Heavy Construction
Landscaping
Lumber/Wood Products
Manufacturing
Metal Fabrication
Military + Law Enforcement
Mining

Petrochemical
Pulp + Paper
Sporting
Steel
Transportation Equipment
Utility/Waste Management

Multi Max® NRR 31



One earplug, two sizes

Improves individual fit while simplifying inventory

Self-adjusting polyurethane foam expands to fit virtually every wearer

Smooth, soil-resistant skin prevents dirt build-up

Available in paper bag packaging

SKU / Style / Packaging

MM-1	Uncorded	Polybag
MM-1-PB	Uncorded	Paper Bag
MM-LS4	Uncorded	Leight Source 400 Bulk refill bag
MM-1-D	Uncorded	Leight Source 500 Bulk refill box

Matrix™ NRR 23



No-roll insertion

Patented no-roll design makes insertion fast and easy

Smooth outer skin and reduced diameter provide long-term comfort

Instant protection upon proper insertion – no need to wait for foam to expand

Uniform attenuation profile blocks out noise while voice frequencies can be heard more naturally

Three attenuation levels targeted for specific noise levels

SKU / Style / Packaging

MTX-1-OR	Orange / Uncorded	Polybag
MTX-1-GR	Green / Uncorded	Polybag
MTX-1-BU	Blue / Uncorded	Polybag
MTX-30-OR	Orange / Corded	Polybag
MTX-30-GR	Green / Corded	Polybag
MTX-30-BU	Blue / Corded	Polybag
MTX-OR-LS4	Orange / Corded	Leight Source 400 bulk refill bag
MTX-GR-LS4	Green / Corded	Leight Source 400 bulk refill bag
MTX-BU-LS4	Blue / Corded	Leight Source 400 bulk refill bag
MTX-1-OR-D	Orange / Corded	Leight Source 500 bulk refill box
MTX-1-GR-D	Green / Corded	Leight Source 500 bulk refill box
MTX-1-BU-D	Blue / Corded	Leight Source 500 bulk refill box
MTX-30-OR	Orange / Corded	Polybag
MTX-30-GR	Green / Corded	Polybag
MTX-30-BU	Blue / Corded	Polybag

NRR 23



NRR 27



NRR 29



Packaging options

Our earplugs are available in a variety of packaging options, including polybags and paper bags for process industries.



Convenient dispenser options

Our Leight® Source earplug dispensers provide added convenience for workers who change earplugs frequently. See page 17.



Multiple-Use

Ideal for environments where employees can retain and store earplugs for reuse over time — reducing waste and saving money.

SmartFit® NRR 25



Revolution in personalized fit

Patented Conforming Material Technology™ (CMT) uses body heat to adapt earplug to the individual shape of each wearer's ear canal

Delivers superior comfort and a truly individual fit

Simplifies inventory control — a single product fits almost every wearer

Detachable cord system and HearPack® storage case

SmartFit Process Industry style features attached cotton cord and paper bag, ideal for pulp & paper or tobacco processing industries (SMF-30W-P)

SKU / Style / Packaging

SMF-30	Detachable Fabric Cord	HearPack
SMF-30W-P	Attached Cotton Cord	Paper Bag

Process Industry



Fusion® NRR 27



All-day comfort, easy handling

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

SoftFlanges™ create comfortable seal in the ear canal for superior comfort and protection

Unique detachable cord system adapts to virtually any application

Two sizes fine-tunes fit for personal comfort and safety (blue/regular, green/small)

SKU / Style / Packaging

FUS30	Regular (blue) / Corded	Flip-Top Box
FUS30S	Small (green) / Corded	Flip-Top Box
FUS30-HP	Regular (blue) / Corded	HearPack
FUS30S-HP	Small (green) / Corded	HearPack

Small



Clarity® New! NRR 21



Enhanced communication

Patented Sound Management Technology™ (SMT) filter technology blocks low and medium frequencies while higher frequencies (voice, signals, alarms) can be heard more naturally, with less distortion

Prevents employee isolation by enhancing communication

Lower attenuation ideal for marginal noise environments of 95 dB or lower, preventing overprotection

Woven cord adjusts to user needs and reduces sound transmission, 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

Two sizes fine-tunes fit for personal comfort and safety

SKU / Style / Packaging

1005329	Regular (blue) / Corded	Reusable Case
1005328	Small (green) / Corded	Reusable Case

Small



Industries and Applications

Agriculture + Farming
Assembly/Light Manufacturing
Automotive
Aviation
Building Construction
Food + Beverage

Forestry
General Contracting
Landscaping
Lumber/Wood Products
Manufacturing
Metal Fabrication

Military
Petrochemical
Pulp + Paper
Printing
Utility/Waste Management
Warehousing

AirSoft® NRR 27



Optimized for comfort

Delivers optimal protection and increased long-term comfort

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 eliminates that “plugged up” feeling

Rounded flanges fit better in the ear canal

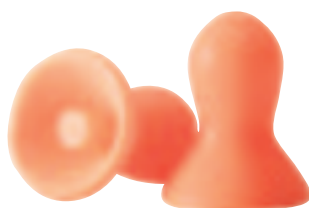
Firm stem facilitates easy insertion and removal

Outstanding noise-blocking protection – highest attenuation in Multiple-Use

SKU / Style / Packaging

DPAS-1	Uncorded	Flip-Top Box
DPAS-30R	Red Polycord	Flip-Top Box
DPAS-30W	White Nylon Cord	Flip-Top Box
AS-1	Uncorded	Reusable Case
AS-30R	Red Polycord	Reusable Case
AS-30W	White Nylon Cord	Reusable Case

Quiet® NRR 26



Easy handling, better fit

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 insertion stem makes insertion quick and easy

Three sizes fine-tunes fit for personal comfort and safety (small, regular, large)

SKU / Style / Packaging

QD1	Uncorded	Flip-Top Box
QD1-RC	Uncorded	Reusable Case
QD-1-DS	Uncorded	Leight® Source 500 bulk refill box
QD1-SM	Small / Uncorded	Flip-Top Box
QD1-RC-SM	Small / Uncorded	Reusable Case
QD1-LG	Large / Uncorded	Flip-Top Box
QD1-RC-LG	Large / Uncorded	Reusable Case
QD30	Corded	Flip-Top Box
QD30-RC	Corded	Reusable Case
QD30-SM	Small / Corded	Flip-Top Box
QD30-RC-SM	Small / Corded	Reusable Case
QD30-LG	Large / Corded	Flip-Top Box
QD30-RC-LG	Large / Corded	Reusable Case

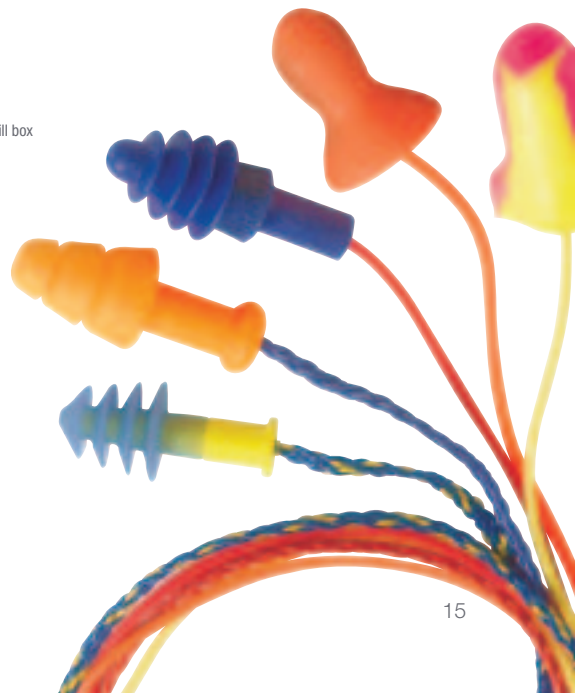
Reusable cases for long-term use

For employees who are able to store their earplugs between use, we offer a choice of durable storage cases that improve hygiene and protect earplugs from damage.



Cords for Added Convenience

Some workers need to remove their earplugs during the course of a day's work. We offer a variety of products with cords that make removing/refitting earplugs more convenient and reduce product loss.





Detectable

Specially created for environments where contamination from foreign objects is unacceptable.

Industries and Applications
Food + Beverage Processing
Lumber/Wood Products
Pulp + Paper
Tobacco



Laser Trak®
NRR 32

High attenuation in Single-Use

Visual and metal detectability plus long-term comfort

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

Smooth soil-resistant skin prevents dirt build-up

SKU / Style / Packaging

LT-30 Corded Polybag



SmartFit® Detectable
NRR 25

Revolution in personalized fit

Patented Conforming Material Technology™ (CMT) adapts to the shape of the surrounding ear canal when inserted and returns to its original shape when removed

Delivers superior comfort and a truly individual fit

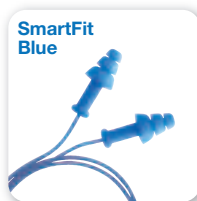
Simplifies inventory control — a single product fits almost every wearer

Blue color provides high visibility in visual detection (SmartFit Detectable, SmartFit Blue)

Metal ring on stem detectable by automated equipment (SmartFit Detectable only)

SKU / Style / Packaging

SDT-30	SmartFit Detectable/Attached Polycord	Polybag
SMF-30BU	SmartFit Blue/Nylon Cord	Polybag



SmartFit Blue



Fusion® Detectable
NRR 25

Total protection, comfort and fit

Patented dual-material design

FlexiFirm® stem is easy to grasp, ensuring easy insertion into the ear canal

SoftFlanges™ create comfortable seal in the ear canal for superior comfort and protection

Metal stem ring easily detected by automated equipment

Blue color provides high visibility in detection

Two sizes fine-tunes fit for personal comfort and safety (regular, small)

HearPack® case for storage between use

SKU / Style / Packaging

FDT-30	Regular (translucent blue stem) / Corded	HearPack
FDT-30-SM	Small (clear stem) / Corded	HearPack



Small



Dispensers

Save time and space, and reduce waste with earplug dispensers. For big or small operations, dispensers offer an economical, hygienic and user-friendly source for hearing protection.

Leight® Source 400 Bag Refills



Versatile earplug dispenser

Tabletop or wall-mount plastic dispenser provides a user-friendly source for earplugs

Durable plastic design is an economical choice for dispensing earplugs

Twist knob to dispense earplugs

Catch basin prevents earplugs from falling to the ground

Holds 400 pairs of Howard Leight Single-Use earplugs: Max®, Max Lite®, Laser Lite®, Multi Max®, Matrix™

SKU / Style / Packaging

LS-400 Leight Source 400 Box

Leight® Source 500 Box Refills



Permanent mounted dispenser

Heavy-duty anodized aluminum withstands constant use

Mount on wall for easy access

Crank handle to dispense earplugs

Ideal for large factories and process industries

Holds 500 pairs of Howard Leight earplugs: Max, Max Lite, Laser Lite, Multi Max, Matrix, Quiet®

SKU / Style / Packaging

LS-500 Leight Source 500 Box

Bulk refill options

Following is a complete listing of compatible products and packaging options for use with Leight Source Dispensers.

Leight Source 400 Bulk refill bag 200 pair/bag

Max
MAX-LS4

Max Lite
LPF-LS4

Laser Lite
LL-LS4

Multi Max
MM-LS4

Matrix
MTX-OR-LS4
Orange

MTX-GR-LS4
Green

MTX-BU-LS4
Blue



Leight Source 500 Bulk refill box 500 pair/box

Max
MAX-1-D

MAX-1-D-USA

Max Lite
LPF-1-D

Laser Lite
LL-1-D

Multi Max
MM-1-D

Matrix
MTX-1-OR-D
Orange

MTX-1-GR-D
Green

MTX-1-BU-D
Blue

Quiet
QD-1-DS
200 pair/box



Earplug Fitting Instructions

Keys to Successful Hearing Protection with Earplugs

Wear

Read and follow all earplug fitting instructions

Selection

Avoid overprotection in minimal noise environments – in selecting the best earplug for your situation, consider noise levels and your need to communicate with co-workers or hear warning signals on the job



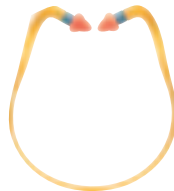
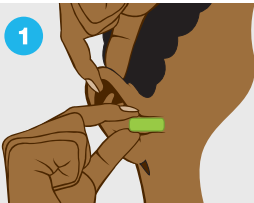
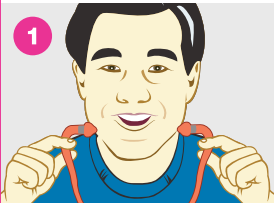

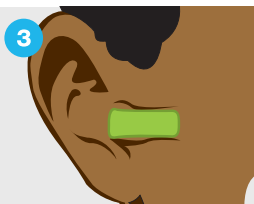
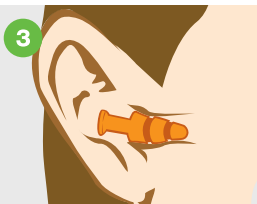
Maintenance

Inspect earplugs prior to wear for dirt, damage or hardness – discard immediately if compromised

For proper hygiene, discard Single-Use earplugs after use

With proper maintenance, Multiple-Use earplugs can last for 2-4 weeks; clean with mild soap/water and store in a case when not in use

Clean and replace pods on Banded earplugs regularly

Single-Use		Single-Use	Multiple-Use	Banded	The Do's and Don'ts of Howard Leight® Earplugs		
No-Roll foam		Roll-Down foam					
 <p>Matrix™</p>		 <p>Max®</p>		 <p>SmartFit®</p>	 <p>QB2HYG®</p>		
<p>1</p>  <p>Reach over your head with a free hand, pull your ear up and back, and insert the earplug well inside your ear canal.</p>		<p>1</p>  <p>With clean hands, roll the entire earplug into narrowest possible crease-free cylinder.</p>		<p>1</p>  <p>While holding the stem, reach a hand over your head and gently pull top of your ear up and back.</p>	<p>1</p>  <p>Position band under your chin as shown above. Use your hands to press the ear pods well into the ear canal using an inward motion.</p>	<p>Proper Fit</p> <p>If either or both earplugs do not seem to be fitted properly, remove the earplug and reinsert.</p> 	
<p>2</p>  <p>Earplugs should be inserted as shown in this drawing. Stop pushing earplug when your finger touches your ear.</p>		<p>2</p>  <p>Reach over your head with a free hand, pull your ear up and back, and insert the earplug well inside your ear canal.</p>		<p>2</p>  <p>Insert the earplug so all flanges are well inside your ear canal.</p>	<p>2</p>  <p>Protection levels are improved by pulling your ear up and back when fitting as shown.</p>		<p>Removal</p> <p>Gently twist earplug while slowly pulling in an outward motion for removal.</p> 
<p>3</p>  <p>If properly fitted, the end of the earplugs should not be visible to someone looking at you from the front.</p>		<p>3</p>  <p>Hold for 30 – 40 seconds, until the earplug fully expands in your ear canal. If properly fitted, the end of the earplugs should not be visible to someone looking at you from the front.</p>		<p>3</p>  <p>If properly fitted, the tip of the earplug stem may be visible to someone looking at you from the front.</p>	<p>3</p>  <p>In a noisy environment, lightly press the band inward with your fingertips as shown. You should not notice a significant difference in noise level.</p>		

Download a copy of our Earplug Instruction Poster at howardleight.com or call 800.430.5490 to request a copy.

About Howard Leight

From our beginnings as a one-man operation more than 30 years ago, Howard Leight has grown into one of the largest global manufacturers of hearing protectors in the industrial market and the recognized innovator in protection and people-oriented fit. Howard Leight/Sperian Hearing Protection, LLC, is a division of Sperian Protection. Please visit us online at www.howardleight.com

Sperian Hearing Protection, LLC

7828 Waterville Road
San Diego, CA 92154 USA
Tel: 800/430-5490
Fax: 401/232-3110

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