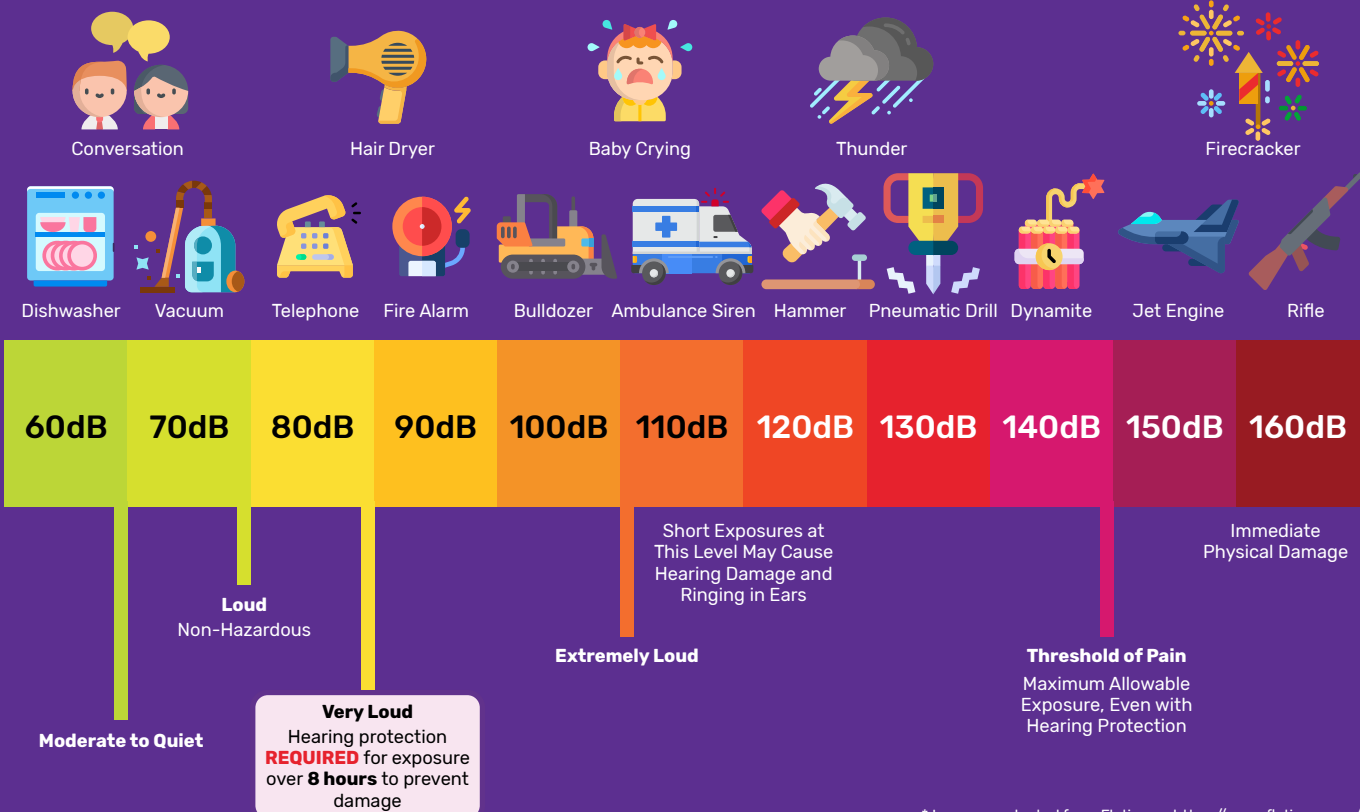




HEARING PROTECTION

THE DECIBEL CHART

Scan QR Code
for Noise
Thermometer
Chart:



* Icons are adapted from Flaticons: <https://www.flaticon.com/>

THE DECIBEL CHART

Operating in a noisy workplace that's louder than 85 decibels (dB)? You'll need individual Hearing Protection Devices (HPDs)! Working in areas with dangerous noise levels without a proper HPD can result in hearing loss or deafness. Protect your hearing today with our extensive range of HPDs to choose from: **earplugs, earmuffs, and hearing bands.**

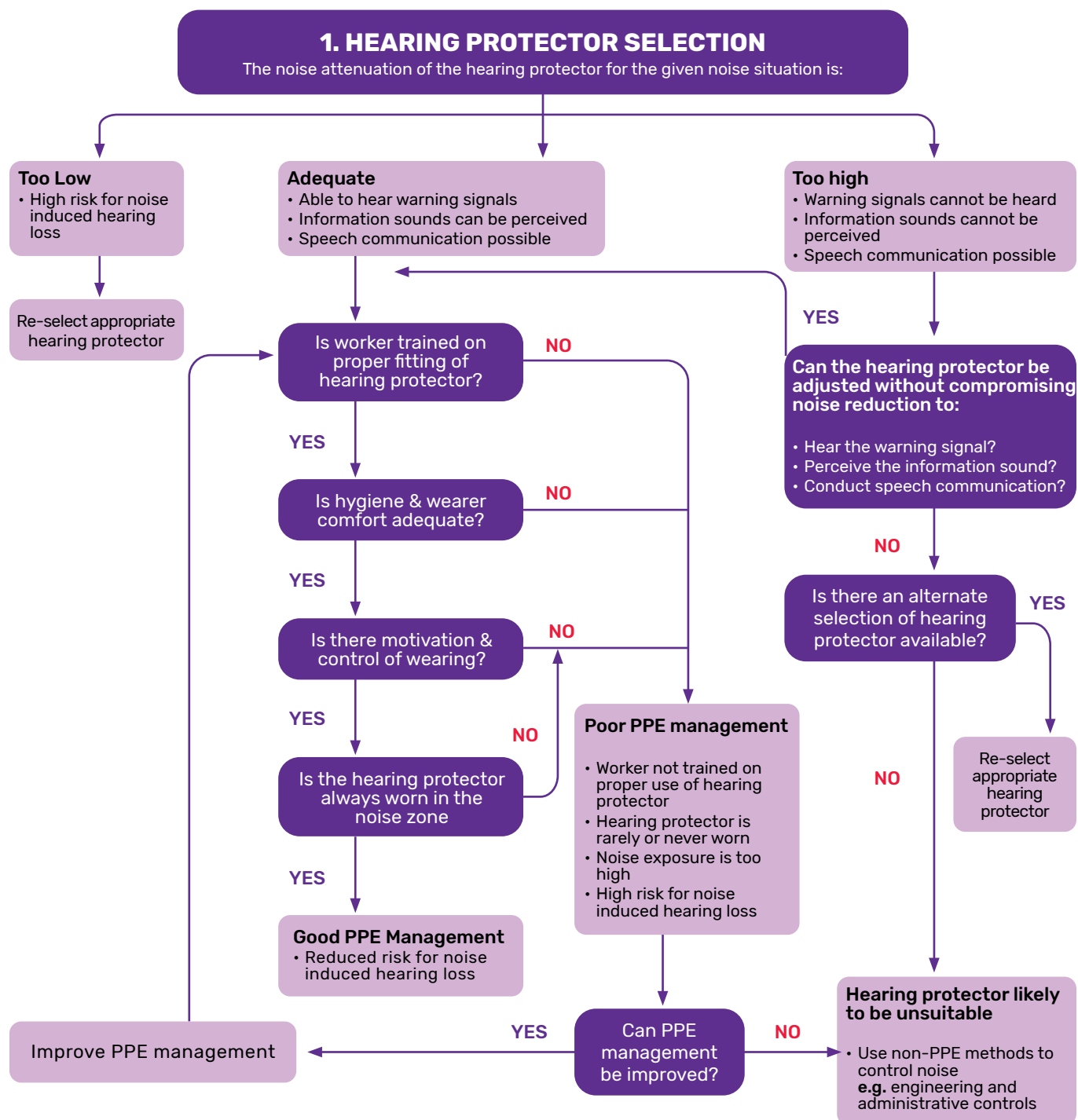
It can be challenging to find a HPD that's just right for your workplace. If the Noise Reduction Rating is too high, your employees won't be able to communicate well or listen for warning signals. But HPDs are very important! Hearing loss can occur if overprotected employees remove their HPDs to talk or don't wear their HPDs properly.

Type of HPD	Construction	Fitting
Formable earplugs	Expandable foam	One size fits most.
Pre-molded earplugs	Flexible plastics	Different sizes
Semi-aural devices/ canal caps	Flexible tips on lightweight headband	Less protection. Good for intermittent usage
Earmuffs	Rigid cups with soft, plastic cushions that seal around the ears.	Adjustable headband



FLOW CHART

THE SELECTION OF HEARING PRODUCTS*

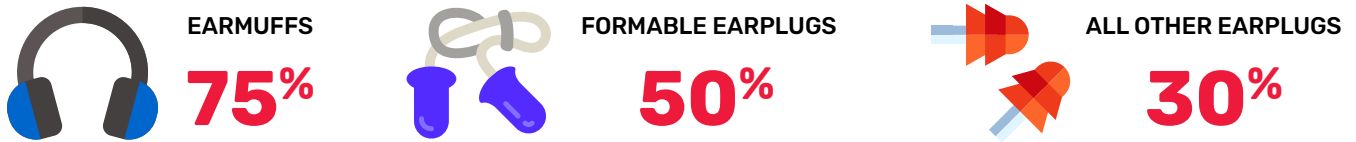


* Quoted from page 22 of SS549:2009 standards

PROTECTED NOISE LEVEL CALCULATIONS USING NRR*

DE-RATED NRR

NIOSH RECOMMENDS DERATING THE NRR BY A MULTIPLICATIVE FACTOR:



HOW TO USE THE DE-RATED NRR?

There are two basic formulas, depending on whether unprotected exposure levels were measured on a C-weighted (dBC) or an A-weighted (dBA) scale.

For C-weighted measurements:

Protected dBA = Unprotected dBC - De-rated NRR
Where the protected dBA and unprotected dBC are 8-hour time-weighted averages determined according to the Occupational Noise Standard.

For example, if a earmuff has a NRR of 20 dB (derated NRR of 15 dB) and it is used in an environmental noise level of 90 dBC, the noise level entering the ear is expected to be 75 dBA [90 - 15 = 75].

For A-weighted measurements:

Protected dBA = Unprotected dBA - [De-rated NRR - 7]
Where the protected and unprotected dBA are 8-hour weighted averages determined according to the Occupational Noise Standard. The 7 dB correction factor is used to account for the de-emphasis of low-frequency energy inherent to the A-weighting scale (dBA).

Using the same example above, if a earmuff has a de-rated NRR of 15 dB and environmental noise level of 90dBA, the noise level entering the ear is expected to be 82 dBA [90 - (15 - 7) = 82]

* Adapted from Honeywell:

<https://safety.honeywell.com/content/dam/his/en-us/images/gated-content/lp-hearing-conservation/his-a%26c-weighted-noise-measurements.pdf>

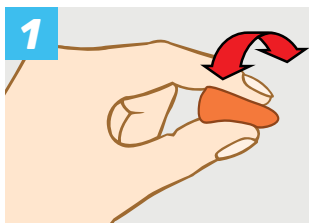
EARPLUG FITTING INSTRUCTIONS*

To get the best protection, ensure that your earplugs are inserted properly and fits well.

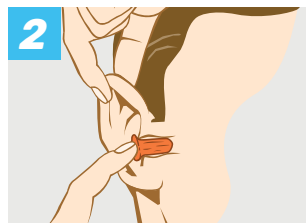
1 ROLL-DOWN FOAM



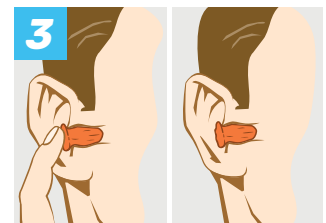
MAX®



With clean hands, roll the entire earplug into narrowest possible crease-free cylinder.



Reach over your head with a free hand, pull your ear up and back, and insert the earplug well inside your ear canal.

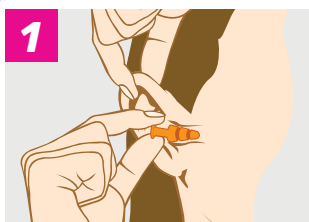


Hold for 30 - 40 seconds, until the earplug fully expands in your ear canal. If properly fitted, the end of the earplugs should not be visible to someone looking at you from the front.

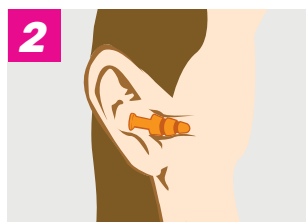
2 MULTIPLE-USE



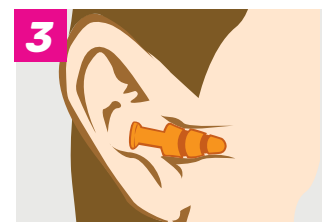
SmartFit®



While holding the stem, reach a hand over your head and gently pull top of your ear up and back.



Insert the earplug so all flanges are well inside your ear canal.



If properly fitted, the tip of the earplug stem may be visible to someone looking at you from the front.

* Adapted from Honeywell:

https://safety.honeywell.com/content/dam/his-sandbox/marketing/hearing-protection/documents/HL_posters_honeywell_howard_leight_earplug_fitting_instructions_poster_2017.pdf

EARPLUG FITTING INSTRUCTIONS^{*}

To get the best protection, ensure that your earplugs are inserted properly and fits well.

HEADBAND	FOLDING	MULTIPLE-POSITION	CAP-MOUNTED
Moldex MX-5  1  Place earcups over each ear. 2  Adjust the headband by sliding the headband up or down.	Verishield VS120F  1  Fold out the earcups as shown. 2  Place earcups over each ear. 3  Adjust the headband by sliding the headband up or down.	Verishield Dielectric VS110M  1  Place the earcups over each ear. 2  Place the earcups over each ear. 3  Multiple-position earmuffs can be worn over-the-head, behind-the-head or under-the-chin. 4  When the earmuff is worn with the headband behind-the-head or under-the-chin, the headband strap must be attached to the slot in the upper part of the earcup as shown.	Verishield Dielectric VS130DH  1  Attach adapters to each side of the hard hat by sliding them into the slots. 2  Attach each earmuff into its adapter by sliding the earmuff housing down into the adapter. 3  Ensure a proper fit by firmly pushing down on the earcup until you hear it click into place. 4  Ensure that the earmuff is firmly fastened by lifting the arm attachment up and down.

^{*} Graphics adapted from Honeywell:

https://safety.honeywell.com/content/dam/his-sandbox/marketing/hearing-protection/documents/HL_posters_honeywell_howard_leight_earmuff_fitting_instructions_poster_2017.pdf



DISPOSABLE EARPLUGS

HOWARD LEIGHT EARPLUGS

- Ideal size for workers with smaller ear canals
- Low pressure polyurethane foam expands gently for comfortable long-term wear
- Contoured T-shape for easy handling and wear
- Closed, soil-resistant cell-foam skin prevents dirt build-up
- Bulk refills available for Leight® Source LS-400 and LS-500 Earplug Dispensers

LASER LITE®
LL1 / LL30



Nrr ³²

MAX®
MAX1 / MAX30



Nrr ³³

MAX LITE®
LPF1 / LPF30



Nrr ³⁰



Sealed packaging
ensures tamper-free

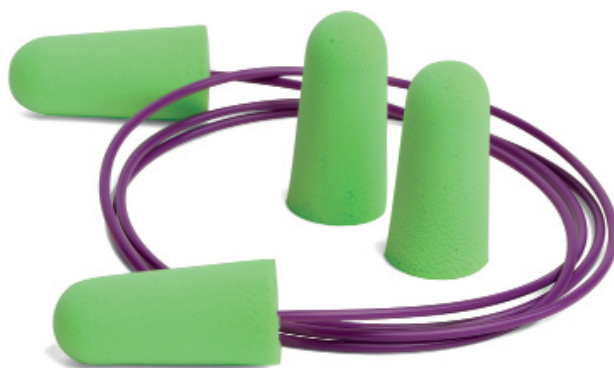
BRAND	PRODUCT CODE	DESCRIPTION
HOWARD LEIGHT	210HLULL1	Laser Lite® Uncorded In Poly Bags, NRR 32 (200prs/box)
HOWARD LEIGHT	210HLULL30	Laser Lite® Corded In Poly Bag, NRR 32 (100prs/box)
HOWARD LEIGHT	210HLUMAX1	Max-1 Earplug Uncorded In Poly Bag, NRR 33 (200prs/box)
HOWARD LEIGHT	210HLUMAX30	Max-30 Earplug Corded In Poly Bag, NRR 33 (100prs/box)
HOWARD LEIGHT	210HLULPF1	Max Lite® Uncorded In Poly Bag, NRR 30 (200prs/box)
HOWARD LEIGHT	210HLULPF30	Max-Lite® Corded In Poly Bag, NRR 30 (100prs/box)

DISPOSABLE EARPLUGS

MOLDEX PURA-FIT® FOAM EARPLUGS

- 100% PVC-Free®
- Longer length for easy fitting and removal
- Bright green colour for compliance checks
- Tapered for easy insertion for most ear canal sizes
- Non-irritating, smooth surface for added comfort
- Hygienically packaged in biodegradable paper pouches

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	210MMI6800	Pura-Fit® Disposable Earplugs, Uncorded, NRR 33, (200prs/box, 10box/case)
MOLDEX	210MMI6900	Pura-Fit® Disposable Earplugs, Corded, NRR 33, (100prs/box, 20box/case)



Nrr³³

HOWARD LEIGHT X-TREME® EARPLUGS

- Bright colours offer high visibility and worker compliance
- Smooth tapered shape for easy insertion and removal
- Corded version helps to guard against earplugs falling onto the floor
- Conveniently sized hand dispensing option for easy access
- Wall dispenser unit allows a refillable option for the whole work area

BRAND	PRODUCT CODE	DESCRIPTION
HOWARD LEIGHT	210HLUXTR-1	X-Treme® Ear Plugs Uncorded In Poly Bag, NRR 32 (200prs/box, 10box/case)
HOWARD LEIGHT	210HLUXTR-30	X-Treme® Ear Plugs Corded In Poly Bag, NRR 32 (100prs/box, 10box/case)



Nrr³²

PLUGSTATIONS/DISPENSER



MOLDEX CORDED/UNCORDED PLUGSTATION® WITH PURA-FIT®

- Increases compliance
- Puts plugs in easily accessible areas
- Sealed PlugStations ensure plugs stay sanitary
- Affordable enough to mount in any location that requires hearing protection
- Clicking mechanism for easy use and dispensing



PURA-FIT®
6882

Nrr ³³

PURA-FIT®
6844/6845

Nrr ³³



BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	210MMI6882	Plugstation 150 Pairs of Pura-Fit® Corded, NRR 33 (with Mounting Bracket)
MOLDEX	210MMI6844	Plugstation with 250 Pairs of Pura-Fit® Plug, NRR 31 (250prs/6box-disp/case)
MOLDEX	210MMI6845	Plugstation with 500 Pairs of Pura-Fit® Plug, NRR 31 (500prs/4box-disp/case)

PLUGSTATIONS/DISPENSER



HONEYWELL HL400™ ANTIMICROBIAL PROTECTED DISPENSER

- Antimicrobial-Protected Dispenser
- Universal hole positions – eliminates the need to drill new holes
- Durable, recyclable plastic canister – an economical choice for dispensing earplugs
- Easy twist knob with 180° of access – makes dispensing earplugs easy
- Compatible with all Howard Leight™ disposable earplugs – MAX®, MAXLite®, Laser Lite® and X-TREME®
- Available with prefilled canister and multiple refill options: Replace the empty canister / Refill the canister with a traditional zip-top bag.

BRAND	PRODUCT CODE	DESCRIPTION
HOWARD LEIGHT	HL400-AM	HL400 Antimicrobial-Protected Ear Plug Dispenser
HOWARD LEIGHT	HL400-X-REFILL	Prefilled Canister Earplugs. (400prs/case) Model (X): MAX, MAXLite®, Laser Lite®, X-TREME®
HOWARD LEIGHT	X-LS4-REFILL	Refill bags for Dispenser. (200prs/bag) Model (X): MAX, MAXLite®, Laser Lite®, X-TREME®

PLUGSTATIONS/DISPENSER



HOWARD LEIGHT LEIGHT® SOURCE 400 DISPENSER

- Durable plastic design
- Mounts on wall or stands as table-top dispenser with balanced footing
- Twist knob to dispense earplugs
- Catch basin prevents earplugs from falling to the ground
- Holds 400 pairs of single use earplugs
- Max®, Max Lite®, Laser Lite®, X-Treme® bulk-bag refills available

BRAND	PRODUCT CODE	DESCRIPTION
HOWARD LEIGHT	210HLULS-400	Leight Source 400 Earplug Dispenser (1013040), 1 Case
HOWARD LEIGHT	210HLUXTR-LS4	Laser Lite® Earplugs, Uncorded, for LS-400 Refill



HOWARD LEIGHT LS-500 LEIGHT® SOURCE DISPENSER

- Heavy-duty anodized aluminium 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 single use earplugs
- Max®, Max Lite®, Laser Lite®, Quiet® bulk bag refills available

BRAND	PRODUCT CODE	DESCRIPTION
HOWARD LEIGHT	210HLULS-500	Ear Plug Dispenser
HOWARD LEIGHT	210HLUMAX1D	Max-1-D Earplugs for Dispenser (500prs/box)
HOWARD LEIGHT	210HLULPF1D	Max Lite® Refill for Dispenser, NRR 30 (500prs/box)

REUSABLE EARPLUGS

MOLDEX ROCKETS® EARPLUGS

- 100% PVC-Free®
- Easy grip handle for insertion and removal
- Air bubble tip provides cushioned comfort
- Brightly coloured for easy compliance checks
- Can be washed and reused
- Pocket-Pak® carrying case provides hygienic storage of plugs between uses

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	210MMI6405	Rocket Earplug Corded with Case, NRR 27 (50prs/box, 4box/case)



Nrr ²⁷

MOLDEX JETZ® REUSABLE EARPLUGS

- 100% PVC-Free®
- Extra-soft material
- Triple flange design seals gently and snugly without pressure
- Cloth cord for a variety of working conditions locks securely to plug
- Bright green plugs and cord make compliance checks quick and easy

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	210MMI6455	Jetz® Reusable Corded Earplug, NRR 27 (50prs/box, 4box/case)



Nrr ²⁷

MOLDEX FLIP TO LISTEN™ DUAL MODE REUSABLE EARPLUGS

- 100% PVC-Free®
- Flip cap allows you to easily switch from a closed position (NRR 24dB) to an open position (NRR 4dB)
- Triple flange design provides all day comfort
- Earplugs can be washed and reused
- Pocket-Pak® carrying case provides hygienic storage of plugs between uses
- Comes with optional cloth cord

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	210MMI6770	Flip To Listen Dual Mode Earplugs, Includes Cord and Pocket-pak® (50prs/box, 4box/case)



Nrr ^{24&4}

REUSABLE EARPLUGS

HOWARD LEIGHT AIRSOFT® EARPLUGS

- Advanced air pocket design features internal noise-blocking fins
- Four flange profile creates better seal in the ear canal
- Firm stem, tapered shape makes for easy insertion and removal

Attachable Reusable Case For
Easy Carriage & Help Keeps
Earplugs Clean



Nrr ²⁷

BRAND	PRODUCT CODE	DESCRIPTION
HOWARD LEIGHT	210HLUAS30R	Airsoft® Earplugs W/Cord & Case, NRR 27 (50prs/box, 10box/case)



Nrr ²⁶

HOWARD LEIGHT QUIET® 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 insertion stem makes insertion quick and easy

BRAND	PRODUCT CODE	DESCRIPTION
HOWARD LEIGHT	210HLUQD30	Orange Polycord Packed In Clear Polybag NRR 26 (100prs/box)



Nrr ²⁵

HOWARD LEIGHT SMARTFIT® EARPLUGS

- Patented Conforming Material Technology™ uses body heat to adapt to the individual shape of each wearer's ear canal
- Delivers superior comfort and a truly individual fit
- Simplified inventory control - a single product fits almost every wearer
- Unique detachable cord system
- Comes in Hear Pack® storage case

BRAND	PRODUCT CODE	DESCRIPTION
HOWARD LEIGHT	210HLUSMF-30	Smart Fit® with Corded In Hearpack (100prs/box, 10box/case)

EARMUFFS



ELVEX® QUICKSNAP™ SUPERSONIC HM-2029/HM-8093 CAP MOUNT EARMUFF

- Universal blade fits most slotted safety caps
- Hard hat slot opening: 29mm to 33mm
- Dielectric construction
- Can be attached to non-slotted safety caps
- Two integrated rest positions
- Flip out muffs for short term break or flip them up on top of safety cap
- Lightweight at only HM-2029 (8.1oz), HM-8093 (9.4oz)



BRAND	PRODUCT CODE	DESCRIPTION
ELVEX	200ELVHM-2029	Low Profile Muff, NRR 25
ELVEX	200ELVHM-8093	Supersonic Cap Mount Muff, NRR 28

Nrr 25 / 28

EARMUFFS



Nrr ²¹

ELVEX® SONICSLIM™ HB-10 FOLDABLE EARMUFF

- Low profile and sleek design
- Ultra lightweight, only at 8.1oz
- Super seal ear cushions for long term comfort

BRAND	PRODUCT CODE	DESCRIPTION
ELVEX	200ELVHB-10-SLIM	Low Profile Foldable Muff, Black, NRR 21



Smart fold-out design



Nrr ²⁵

ELVEX® VALUEMUFF™ HB-25 EARMUFF

- Patented Conforming Material Technology™ uses body heat to adapt to the individual shape of each wearer's ear canal
- Delivers superior comfort and a truly individual fit
- Simplified inventory control - a single product fits almost every wearer
- Unique detachable cord system
- Comes in Hear Pack® storage case

BRAND	PRODUCT CODE	DESCRIPTION
ELVEX	200ELVHB-25	Valuemuff™ Blue with Black Trim, NRR 25



Nrr ²⁷

MOLDEX MX-5 EARMUFF

- Soft cushion-ribbed open air headband for cool comfort all day long
- Overmolded headband is durable for rugged wear over many shifts
- Larger ear cushions allow freedom to fit almost all ears comfortably
- Lightweight wire frame allows easy cup adjustment yet holds its position
- PVC-Free

BRAND	PRODUCT CODE	DESCRIPTION
MOLDEX	200MMI6120	MX-5 Earmuff, NRR 27

VERISHIELD™ 100 SERIES

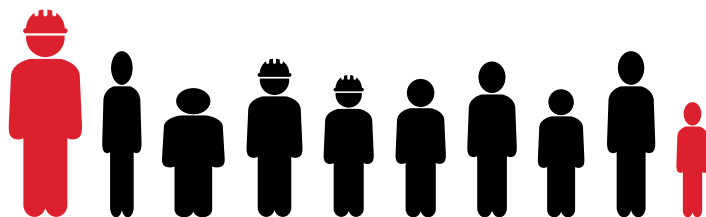
Honeywell
HOWARD
LEIGHT

VeriShield 100 Series

Passive Earmuffs are designed for optimum comfort



FEATURES



17%

MORE ADJUSTMENT

Comfortably fits a wider range of head sizes



16%

WIDER

CUP

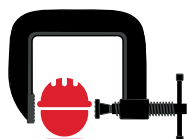
OPENING

Ideal for workers with larger ears, or who wear hearing aids



ROBUST CONSTRUCTION

Steel wire framework, ABS molded, durable markings, oil-resistant cup surface



MEMORY FOAM EAR CUSHIONS

Denser and softer for greater comfort/attenuation

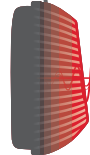


LIGHTWEIGHT Cushioned Headband

Just the right fit around the ear

INTERNAL Baffle DESIGN

(PATENT PENDING)



Reduces weight of earcup and improves attenuation



PPE INTEGRATION

7 sec to assemble to a hard hat



VISIBLE ATTENUATION RATINGS

Marked on the earmuff cup

* Graphics adapted from Honeywell.

EARMUFFS



Nrr ³⁰

HONEYWELL VERISHIELD™ DIELECTRIC VS130DH, HELMET

- Large dimension range: Appropriate for a wide range of head sizes
- Durable dielectric headband for electrical environments
- Memory foam ear cushions: attenuation
- Wide cup opening: Ideal for workers with larger ears, or for those who wear hearing aids
- Variety of head attach options for effortless PPE integration

BRAND	PRODUCT CODE	DESCRIPTION
HONEYWELL	200HON1035205-VS	Verishield™ Dielectric VS130DH, Helmet, NRR 30



Nrr ³²

HONEYWELL VERISHIELD™ VS120F, FOLDABLE EARMUFF

- Large dimension range: Appropriate for a wide range of head sizes
- Lightweight cushioned headband: Enhances comfort
- Memory foam ear cushions: attenuation
- Wide cup opening: Ideal for workers with larger ears, or for those who wear hearing aids

BRAND	PRODUCT CODE	DESCRIPTION
HONEYWELL	200HON1035141-VS	Verishield™ VS120F, Folding, NRR 32



Nrr ³²

HONEYWELL VERISHIELD™ VS110M, MULTIPOSITION

- Large dimension range: Appropriate for a wide range of head sizes
- Durable dielectric headband for electrical environments
- Memory foam ear cushions: attenuation
- Wide cup opening: Ideal for workers with larger ears, or for those who wear hearing aids
- Variety of head attach options for effortless PPE integration

BRAND	PRODUCT CODE	DESCRIPTION
HONEYWELL	200HON1035185-VS	Verishield™ Dielectric VS110M, Multiposition, NRR 32