Honeywell
HOWARD LEIGHT

VeriShield™ 100 series

Solutions they will want to wear

Noise-Induced Hearing Loss – Prevention and Protection

Occupational noise-induced hearing loss (NIHL) has long been a serious risk for workers and a major challenge for safety professionals. To improve safety metrics, understanding the importance of NIHL is greater than ever, as is the awareness for protection to be personalized if it is to be truly effective.

Unlike most other occupational health and safety injuries, NIHL is pain-free, invisible, usually gradual, and therefore often goes unnoticed until the damage is done. However, many public institutions recognize it as the most prevalent occupational disease in the world.

The good news is, NIHL is also easily **preventable**.

Even so, prevention demands a clear understanding of the challenges before you can design a hearing conservation program and issue hearing protection.

Prevention Problems

Working conditions can be dynamic and unpredictable. So noise risks can arise suddenly and in unforeseen ways.

In addition, every worker is unique, with different susceptibilities to NIHL. In the past it has been considered acceptable to make general assessments of groups of workers carrying out similar tasks in certain environments. However, there is a growing understanding that this approach ignores individuals' job risk profiles, personal susceptibility to hearing loss, and changes to the noise environment which were not assessed during any initial noise-mapping activity.

It is increasingly clear that one type of hearing conservation does not fit everyone in every scenario. Therefore, the best way to protect individuals exposed to the risk of NIHL is a personalized solution.

Protection Problems

The simplest solution may seem to be protective equipment that blocks all noise – but this brings its own risks:

- The wearer feels isolated
- They are less aware of their surroundings and situation
- They may put themselves in danger – step in front of a moving vehicle or fail to hear a warning signal, for example
- Alternatively, these risks may lead them to remove the protection to avoid short-term dangers - risking long-term permanent hearing loss

Even when hearing protection devices are provided and worn, the actual protection achieved for each individual may not be the same as the level stated by the manufacturer. Proper fit and protection can be compromised by a number of factors including:

- **Eyewear** – if it has thick temples, eyewear can break the seal of the ear cushion
- **Hats** – if worn under an earmuff will affect the seal around the ear
- **Hairstyles** – long hair or facial hair will interfere with an earmuff's fit
- **User Error** – an improper seal after putting on a hearing protection device

Whatever the issue that results in a failure of prevention or protection, the ultimate difficulty is that the resulting hearing loss will not be detected until *after* it's happened.

And then it's too late.

Prevention and Protection Solutions

One of the most effective ways to reduce the risk of NIHL is to change worker behavior. This can mean:

- Identifying individuals most likely at risk of NIHL
- Sharing insight with them about their behavior
- Designing personalized hearing conservation programs to meet their needs

VeriShield 100 Series

Passive Earmuffs: Making Comfort Personal

Hearing protection devices are only effective when they are worn, so comfort is essential. The Honeywell Howard Leight VeriShield 100 Series Passive Earmuffs are designed to provide optimum comfort over long periods of use. They fit a wide range of head sizes, have a wide cup opening with memory foam ear cushions, and a lightweight cushioned headband, making them solutions users will want to wear.

Wherever there is noise, VeriShield 100 Series is the answer

Potentially harmful levels of industrial noise can arise for hundreds of different reasons in a thousand different working environments. From indoors in a factory to outdoors working with machinery; from the tools being operated to the processes taking place: all can be sources of noise and all require workers to have effective protection. The range of options offered by the VeriShield 100 Series ensures comfort and protection against any noise level, in every industry, for every worker.

- **Large dimension range –** Comfortably fits a wide range of head sizes. 17% more adjustable than earlier versions
- **Wide cup opening –** Ideal for workers with larger ears, or who wear hearing aids. Opening area of the cup increased by 16% over earlier versions
- **Lightweight cushioned headband –** Steel-wire construction with padded headband and precision micro adjustments designed for just the right fit around the ear
- **Memory foam ear cushions –** New unique memory foam that combines denser and softer foam than previous models, for greater comfort and attenuation. Reduces squeezing pressure on the head and enhances comfort
- **Robust construction –** An oil-resistant cup surface to withstand oily, heavy-work environments and frequent cleaning. ABS molded with internal baffle design for lighter weight, patent pending
- **Air Flow Control Technology –** Honeywell's Air Flow Control technology, for optimum attenuation across all frequencies
- **Designed for use with other PPE –** Easy to use and integrate with Honeywell hard hats and face shields. Can be assembled to a hard hat in approximately 7 seconds

Who should use them?

Honeywell makes hearing conservation personal. VeriShield earmuffs may be chosen as a hearing protection option by a variety of different workers, for a range of different reasons:

- They are suitable for environments with noise levels ranging from low to high
- They are ideal for wearing with other PPE which may be required in particular environments
- They offer a choice of styles and attenuation (NRR) levels makes it easy to find the perfect earmuffs for an appropriate level of protection, and comfort
- Unlike earplugs, VeriShield earmuffs
  - are easier to fit
  - are suitable for wearers with sensitive ear canals
  - are suitable for wearing with hearing aids
  - help to keep ears warm

Choose your protection

There are 3 different designs of the VeriShield passive earmuffs, so each worker can choose the solutions they will want to wear: for optimum comfort, for optimum protection, or for the greatest compatibility with any other PPE or equipment they may be wearing or using.

Over-the-Head

Traditional-style earmuffs with an adjustable cushioned headband. Available in Low, Mid and High attenuation (NRR) levels and folding and high visibility options.

Part# 1035100-VS

Hard Hat

Designed to be worn when also wearing a hard hat. Can be attached to a Honeywell hard hat in just 7 minutes. Available in Low, Mid and High attenuation (NRR) levels and a high visibility version.

Part# 1035121-VS

Neckband

Fitting around the neck from behind. Available in Low, Mid and High attenuation (NRR) levels.

Part# 1035116-VS

VERISHIELD	MODEL #	PART #	DESCRIPTION	CASE QUANTITY	NRR	CANADA CLASS
Over-the-Head						
Low Level/Flat	VS110	1035100-VS	VS110 VeriShield earmuff	10	24	A
	VS110F	1035102-VS	VS110F Verishield folding earmuff	10	24	A
Mid Level	VS120	1035104-VS	VS120 VeriShield earmuff	10	26	A
	VS120FHV	1035106-VS	VS120FHV VeriShield folding earmuff, high visibility	10	27	AL
High Level	VS130	1035108-VS	VS130 VeriShield earmuff	10	30	AL
	VS130HV	1035110-VS	VS130HV VeriShield earmuff, high visibility	10	30	AL
Behind-the-Neck						
Low Level/Flat	VS110N	1035112-VS	VS110N VeriShield earmuff neckband	10	22	B
Mid Level	VS120N	1035114-VS	VS120N VeriShield earmuff neckband	10	25	AL
High Level	VS130N	1035116-VS	VS130N VeriShield earmuff neckband	10	28	AL
Hard Hat						
Low Level/Flat	VS110H	1035118-VS	VS110H VeriShield helmet earmuff	10	21	B
Mid Level	VS120H	1035121-VS	VS120H VeriShield helmet earmuff	10	24	A
High Level	VS130H	1035124-VS	VS130H VeriShield helmet earmuff	10	27	AL
	VS130HHV	1035127-VS	VS130HHV VeriShield helmet earmuff, high visibility	10	27	AL
Hygiene Kits						
	VS11HK	1035136-VS	Hygiene kit for VS110, VS110F, VS120H	10	NA	NA
	VS10HK	1035143-VS	Hygiene kit thin cup for VS110N, VS110H	10	NA	NA
	VS12HK	1035137-VS	Hygiene kit for VS120, VS120F, VS120N	10	NA	NA
	VS13HK	1035138-VS	Hygiene kit for VS130, VS130HV, VS130N, VS130H, VS130HHV	10	NA	NA
Hard Hat Adapters						
	3796VS1	1035144-VS	VeriShield hard hat adapter 3796VS1	10	NA	NA

* Level refers to attenuation rating

For more information
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