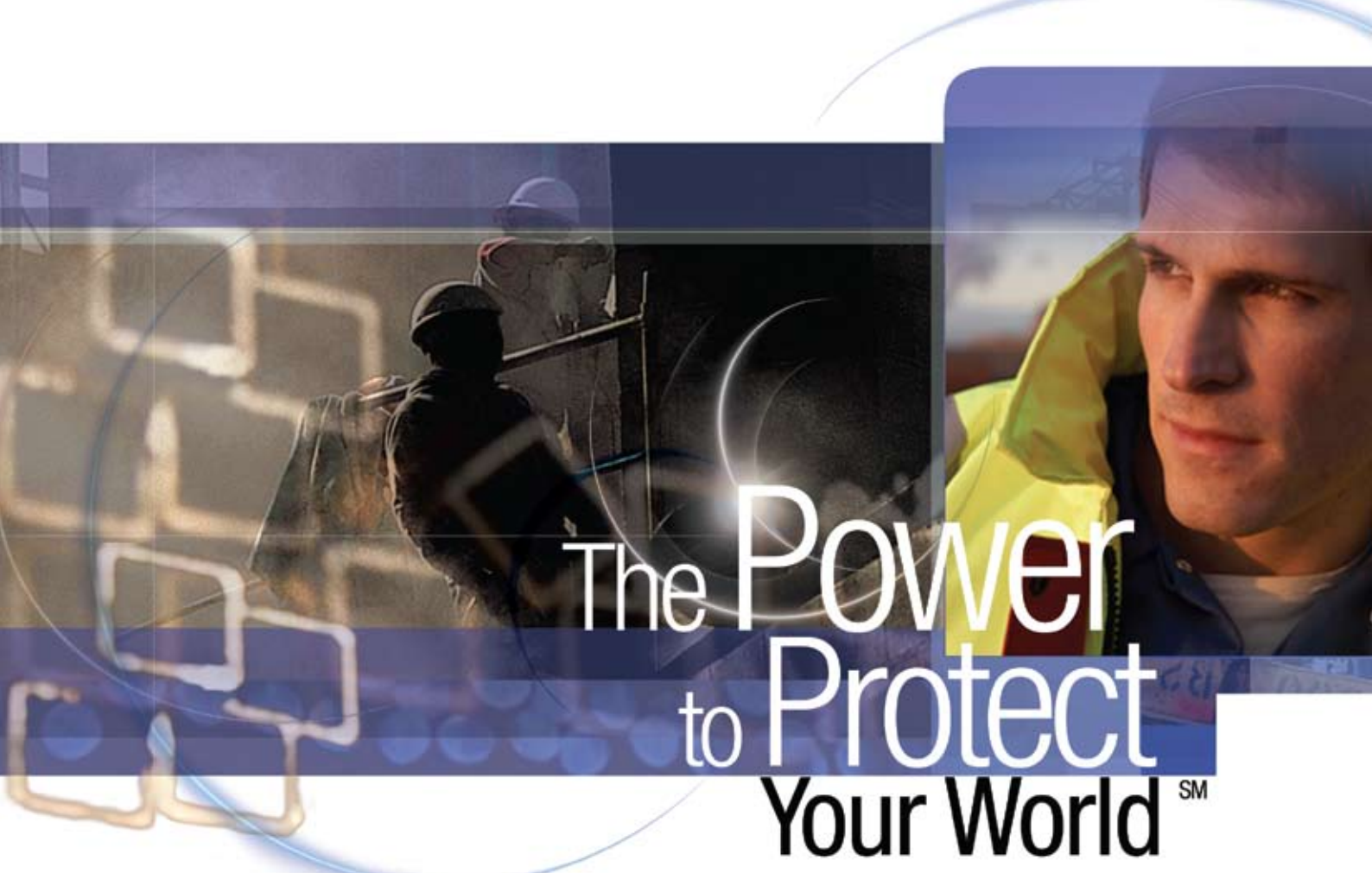




Leading the Advancement of Hearing Conservation



The Power to Protect Your WorldSM

As one of the world's leading suppliers of safety and protective equipment, 3M's goal is to ensure that we satisfy your needs through the provision of exceptional products, expertise, quality and service excellence.

Our global technology, manufacturing and knowledge network allow us to provide superior design, cross-over compatibility, expertise, comprehensive support and a continuously evolving range of safety solutions.

We provide solutions for work situations that require basic personal protective equipment through to environments that call for the most sophisticated and comprehensive protection. Whether the customer is a tradesman, a medium-sized business or a company employing thousands of workers, 3M has a workplace safety solution to meet their needs. If we can make your life and that of your workforce easier, healthier, safer and more productive we are moving in the right direction.

The 3M range of safety solutions includes:

- Hearing Protection
- Powered and Supplied Air Respirators
- Respiratory Protection
- Communications
- Eye Protection
- Welding Protection
- Spill Management
- Worker Visibility
- Body Protection

Our Safety Brands:

3M

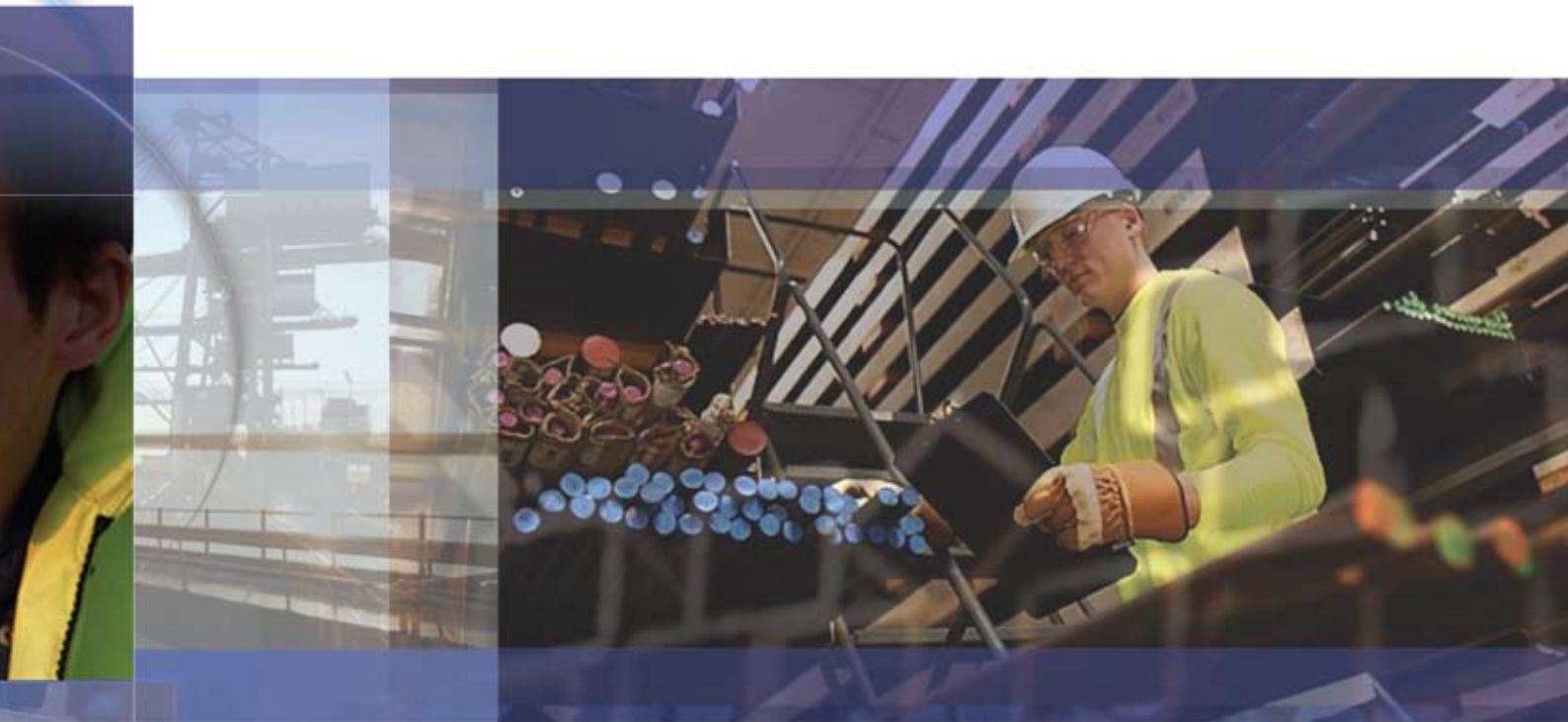
EAR

PELTOR

Speedglas

3M Scotchlite
Reflective Material

Thinsulate
INSULATION



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No Roll Down Earplugs

Since there is no roll down needed, these earplugs are very easy to insert. Just use the soft flexible grip to push the earplug into position and achieve excellent protection; a hygienic option in dirty environments, as you do not have to touch the foam of the earplug to insert. The soft flexible grip also means it's useful when you have to remove and insert the earplugs a number of times a day. These earplugs can also be wiped and reused.



3M™ Skull Screws™ Features and Benefits:

Compliance

- + Unique metallic design to appeal to young workers

Comfortable

- + Advanced foam formulation provides excellent in-ear comfort

Convenient

- + Insertion stem means ideal for use in dirty environments
- + No roll down design for quick and easy fitting
- + Stiff stem allows for easy fitting into the ear canal
- + Available corded and uncorded



3M™ Skull Screws™ Foam Earplugs SLC₉₀: 27dB (Class 5)

| | |
|---------------------|--------------------------------------|
| Description | 3M Skull Screws (Corded) |
| Product Code | P1301 |
| Description | 3M Skull Screws (Uncorded) |
| Product Code | P1300 |
| Packaging | Polybag, 120 pairs/box, 4 boxes/case |

3M™ Pistonz™ Earplugs SLC₉₀: 25dB (Class 4)

Workers will race to wear PISTONZ earplugs. Featuring a radically different shape in the form of an engine piston. They're comfortable, easy to use and designed for instant-use with a no roll down design.



| | |
|---------------------|--------------------------------------|
| Description | 3M Pistonz (Corded) |
| Product Code | P1401 |
| Description | 3M Pistonz (Uncorded) |
| Product Code | P1400 |
| Packaging | Polybag, 100 pairs/box, 4 boxes/case |

No Roll Down Earplugs (continued)



3M™ No-Touch™ Features and Benefits:

Comfortable

- + Unique cone shape inserts easily and “moulds” to ear canal for extra comfort
- + Soft foam for extra comfort

Convenient

- + Insertion stem eliminates the need to touch the tip; no need to clean your hands
- + No roll down design for quick and easy fitting
- + Available corded and uncorded



3M™ No-Touch™ Foam Earplugs
SLC₉₀: 25dB (Class 4)

| | |
|---------------------|--------------------------------------|
| Description | 3M No-Touch (Corded) |
| Product Code | P2001 |
| Description | 3M No-Touch (Uncorded) |
| Product Code | P2000 |
| Packaging | Polybag, 100 pairs/box, 4 boxes/case |



Disposable Earplugs

3M offers a variety of disposable earplugs to suit all workers. From the 1100 to the Nitro, they are available in a variety of shapes to comfortably accommodate different wearer and workplace needs. Designed for single use, these earplugs provide a range of effective solutions for those seeking a convenient hearing protection approach.



3M™ Nitro™ Features and Benefits:

Comfortable

- + Tapered shape for easy insertion and excellent ear canal seal
- + Non-irritating

Convenient

- + Available corded and uncorded
- + Explosive choice of colours in one box: orange, red, pink and purple



3M™ Nitro™ Earplugs SLC₉₀: 26dB uncorded, 27dB corded (Class 5)

| | |
|---------------------|---------------------------------------|
| Description | 3M Nitro (Corded) |
| Product Code | P1011 |
| Packaging | Polybag, 200 pairs/box, 10 boxes/case |

| | |
|---------------------|---------------------------------------|
| Description | 3M Nitro (Uncorded) |
| Product Code | P1010 |
| Packaging | Polybag, 100 pairs/box, 10 boxes/case |

3M™ Tattoo™ Earplugs SLC₉₀: 26dB uncorded, 27dB corded (Class 5)

Cool Look, Soft Touch. Barbed wire graphics wrapped around this plug give it a popular, edgy appeal. The soft, smooth foam and tapered shape give it a great feel for all-day comfort.

| | |
|---------------------|---------------------------------------|
| Description | 3M Tattoo (Corded) |
| Product Code | P1101 |
| Packaging | Polybag, 100 pairs/box, 10 boxes/case |

| | |
|---------------------|---------------------------------------|
| Description | 3M Tattoo (Uncorded) |
| Product Code | P1100 |
| Packaging | Polybag, 200 pairs/box, 10 boxes/case |



Disposable Earplugs (continued)



3M™ 1120/1130 Features and Benefits:

Comfortable

- + Soft foam material provides maximum comfort and low pressure inside the ear
- + Unique articulated shape for optimum fit, particularly useful for narrow ear canals

Convenient

- + Available corded and uncorded
- + Dispenser available (see page 8)



**3M™ 1120/1130
Disposable Earplugs
SLC₈₀: 22dB (Class 4)**

| | |
|---------------------|---|
| Description | 3M 1120 (Uncorded) |
| Product Code | 1120 |
| Packaging | Box: Polybag, 200 pairs/box Case: Polybag, 200 pairs/box, 5 boxes/case |



| | |
|---------------------|---|
| Description | 3M 1130 (Corded) |
| Product Code | 1130 |
| Packaging | Box: Polybag, 100 pairs/box Case: Polybag, 100 pairs/box, 5 boxes/case |



**3M™ 1100/1110
Disposable Earplugs
SLC₈₀: 21dB (Class 3)**

| | |
|---------------------|---|
| Description | 3M 1100 (Uncorded) |
| Product Code | 1100 |
| Packaging | Box: Polybag, 200 pairs/box Case: Polybag, 200 pairs/box, 5 boxes/case |



| | |
|---------------------|---|
| Description | 3M 1110 (Corded) |
| Product Code | 1110 |
| Packaging | Box: Polybag, 100 pairs/box Case: Polybag, 100 pairs/box, 5 boxes/case |



Earplug Dispenser

3M's earplug dispenser allows workers to have clean and easy access to earplugs with a simple twist delivering the earplugs. Ideal for use in factories and manufacturing sites where high usage and easy access is required.

3M Earplug Dispenser Features and Benefits:

Compliance

- + Class 3 and Class 4 dispenser options

Convenient

- + Can wall mount or display stand on shelf
- + Allows for reuse of both base and dispensing bottle
- + One gentle turn delivers earplugs



3M Earplug Dispenser Base (plugs sold separately)

| | |
|---------------------|-------------------|
| Description | 3M Dispenser Base |
| Product Code | PD-01-000 |
| Packaging | 1 Base Dispenser |

3M™ 1100 Earplug Refill Bottles SLC₈₀: 21dB (Class 3)

| | |
|---------------------|--------------------------|
| Description | 3M 1100 Dispenser Bottle |
| Product Code | 1100-BT |
| Packaging | 500 pairs a bottle |

Also available in a polybag (500 pairs).
Product code 1100-R.



3M™ 1120 Earplug Refill Bottles SLC₈₀: 22dB (Class 4)

| | |
|---------------------|--------------------------|
| Description | 3M 1120 Dispenser Bottle |
| Product Code | 1120-BT |
| Packaging | 500 pairs a bottle |

Also available in a polybag (500 pairs).
Product code 1120-R.



Reusable Earplugs

Reusable earplugs are comfortable, hygienic, durable and economical.

No sizing is required for these patented, pre-moulded earplugs.

They are available in a variety of styles and feature a joining cord to prevent loss.



3M™ 1290/1291 Features and Benefits:

Compliance

- + Attractive modern appearance that appeals to younger workers

Convenient

- + 1291 features a storage case with belt clip, keeping the plugs convenient, clean and protected in-between use
- + Cord helps prevent loss, and ensures product is available when required – convenient for intermittent use
- + Finger grip design improves ease of insertion
- + One size fits majority of wearers

Effective

- + Ideal for moderate noise levels, less than 100dB, as it will not over protect in this environment, helping workers to still communicate and hear warning signals



3M™ 1290/1291 Reusable Earplugs SLC₉₀: 21dB (Class 3)

| | |
|---------------------|------------------------|
| Description | 3M 1290 (Corded) |
| Product Code | 1290 |
| Packaging | Polybag, 100 pairs/box |

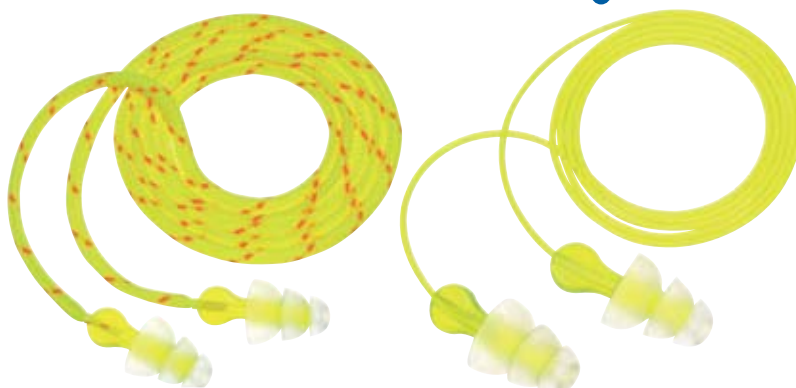
| | |
|---------------------|---------------------|
| Description | 3M 1291 (Corded) |
| Product Code | 1291 |
| Packaging | Cased, 50 pairs/box |

3M™ Tri-Flange™ Earplugs SLC₉₀: 19dB (Class 3)

Multiple seals, multiple uses, soft flexible flanges conform to the shape of the ear canal to form a triple-level seal against noise. The plastic LiveWire Stem allows for quick, clean and optimal insertion for maximum protection.

| | |
|---------------------|--------------------------------------|
| Description | 3M Tri-Flange (Vinyl cord) |
| Product Code | P3000 |
| Packaging | Polybag, 100 pairs/box, 4 boxes/case |

| | |
|---------------------|--------------------------------------|
| Description | 3M Tri-Flange (Cloth cord) |
| Product Code | P3001 |
| Packaging | Polybag, 100 pairs/box, 4 boxes/case |



Banded Earplugs

Banded earplugs are easy to use, convenient and extremely comfortable. No roll down is required so they are quick to put on and off and store around the neck when not required, making them ideal for intermittent use.



3M™ 1310 Banded Features and Benefits:

Comfortable

- + Patented flexible band for easy manipulation and constant low pressure in the ear
- + Soft round shape foam ear plugs for reduced pressure and a comfortable seal
- + Very lightweight: 13g

Economical

- + Easy to replace foam plug tips (3M™1311)

Convenient

- + Designed to fit under the chin (Class 3) for minimal contact with clothing or behind the neck (Class 1)



3M™ 1310 Banded Earplugs

SLC₈₀: 18dB (Class 3) *When worn under chin*

SLC₈₀: 13dB (Class 1) *When worn behind the neck*

| | |
|---------------------|-------------------------|
| Description | 3M 1310 Banded Earplugs |
| Product Code | 1310 |
| Packaging | Polybag, 10 bands/box |

Accessories



3M™ 1311
Replacement plug tips

| | |
|---------------------|-----------------------|
| Description | 3M 1311 |
| Product Code | 1311 |
| Packaging | Polybag, 20 pairs/box |

Earmuffs – Economy

3M offers a range of economical earmuffs for the budget conscious buyer.

All these earmuffs offer class 5 protection.



3M™ 1436 Features and Benefits:

Convenient

- + Folding headband for compact and easy storage
- + Locking ratchet height adjustment – easily moves for better fit, stays in place when adjusted
- + Two point attachment system for even pressure and better seal around the ear helping provide more comfort and attenuation
- + Bright orange colour for increased visibility
- + All plastic for dielectric demands

Comfortable

- + Deep cup design with longer ear hole provides comfort for wearer



3M™ 1436 Earmuff* SLC₉₀: 27dB (Class 5)

Entry level earmuff with folding capability.

| | |
|---------------------|--------------------------------|
| Description | 3M 1436 |
| Product Code | 1436 |
| Packaging | 1 pair bag, 20 bags per carton |



3M™ 1425 Earmuff SLC₉₀: 28dB (Class 5)

Economy headband earmuff, designed to provide basic protection. Ear cups easily adjust for a customised fit. Wide soft cushions provide comfort.

| | |
|---------------------|-----------------------------------|
| Description | 3M 1425 |
| Product Code | 1425 |
| Packaging | 1 pair box or 20 boxes per carton |



3M™ 1426 Earmuffs* SLC₉₀: 27dB (Class 5)

Economy headband earmuff, designed to provide basic protection when price is the overriding factor. Wide soft cushions provide comfort. Ergonomic and adjustable headband designed to fit a variety of head sizes with a close fit.

| | |
|---------------------|--------------------------------|
| Description | 3M 1426 |
| Product Code | 1426 |
| Packaging | 1 pair bag, 20 bags per carton |

*Available July 2011



3M™ Noise Indicator NI-100

The 3M Noise Indicator alerts users to potentially hazardous noise levels, helping identify areas where hearing protection may need to be worn.

Users simply clip the Noise Indicator to a shirt or jacket; its LED delivers a clear indication when noise levels exceed a potentially hazardous threshold. The Noise Indicator's small size and lightweight design make it ideal for workers in a variety of industries.

The NI-100 can also be used as an effective training tool within a Noise Management Programme and to help ensure workers know when and where to wear hearing protection. Occupational hygienists and/or safety officers can also use it as a mapping tool to help determine where noise studies are necessary.

Red flashing LED: Noise levels are equal to or above 85 dBA* – hearing protection may be required

Green flashing LED: Noise levels are below 85 dBA* – hearing protection may not be necessary



- + Lightweight (17g) and compact (51mm L x 36mm W x 13mm D)
- + Made of durable polycarbonate
- + Includes rechargeable lithium poly battery that operates for up to 200 hours between charges
- + A mini-USB cable (sold separately) charges the noise indicator through a USB port on your computer

* Accuracy +/- 3 dB



3M Noise Indicator

| | |
|---------------------|-----------------------|
| Product Code | NI-100 |
| Packaging | 1/pack, 10 packs/case |



3M Noise Indicator USB Cable Charger

| | |
|---------------------|-----------------------|
| Product Code | NI-CHG |
| Packaging | 1/pack, 10 packs/case |

3M™ Sound Detector SD-200

An entry level, compact, lightweight, Type 2*, sound level meter designed for preliminary assessments of workplace noise levels. Easily measures sound levels to determine the degree of hearing protection that may be required. It offers an integrating feature that computes the average sound pressure level allowing for more accurate assessment of intermittent sound levels.

A simple, user-friendly interface makes the SD-200 easy to operate. The user selectable 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. It has also been designed to accommodate one hand operation making it easy to use.

LED Alert Levels

- **Green LED:**
Flashes when noise measurements are between 80 to 85 dB
- **Yellow LED:**
Flashes when noise measurements are between 85 to 105 dB
- **Red LED:**
Flashes when noise measurements are above 105 dB

Digital screen provides sound level reading



3M Sound Detector SD-200

| | |
|---------------------|--|
| Product Code | SD-200 |
| Packaging | 1 kit/case with USB Cable Charger and Windscreen |



3M USB Cable Charger

| | |
|---------------------|-------------|
| Product Code | 053-575 |
| Packaging | 1 each/case |

3M Windscreen

| | |
|---------------------|-------------|
| Product Code | SD-WS |
| Packaging | 1 each/case |

3M Tripod

| | |
|---------------------|-------------|
| Product Code | 059-045 |
| Packaging | 1 each/case |

Includes

- + Rechargeable lithium polymer battery (1000mAh). Run time is 50+ hours without LEDs activated
- + Low battery indicator
- + USB cable to charge the instrument with a computer

*Type 2 sound level meter (IEC 61672-1:2002). Applicable for preliminary noise assessments in accordance with AS/NZS 1269.1:2005

For information on SD-200 calibration products and services, please contact Global Science New Zealand on 0800 734 100



Technical Information

3M Hearing Attenuation Data

3M Earplugs

3M™ Disposable Earplugs 1120/1130

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 17.6 | 19.6 | 23.6 | 25.1 | 32.3 | 35.7 | 39.2 |
| Standard Deviation dB | 6.0 | 5.7 | 5.8 | 6.3 | 6.7 | 7.1 | 5.9 |

SLC₉₀: 22dB Class 4

3M™ Disposable Earplugs 1100/1110

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 20.3 | 20.6 | 23.2 | 26.5 | 32.3 | 37.0 | 41.1 |
| Standard Deviation dB | 8.5 | 6.9 | 9.3 | 9.3 | 7.1 | 7.1 | 6.0 |

SLC₉₀: 21dB Class 3

3M™ Reusable Earplugs 1290/1291

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 26.1 | 26.7 | 28.2 | 24.9 | 29.2 | 27.3 | 38.4 |
| Standard Deviation dB | 7.5 | 8.3 | 6.6 | 7.5 | 6.6 | 7.0 | 8.6 |

SLC₉₀: 21dB Class 3

3M™ Banded Earplugs 1310 – when worn under chin

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 19.3 | 17.5 | 15.0 | 19.5 | 32.0 | 35.5 | 38.3 |
| Standard Deviation dB | 7.6 | 5.7 | 4.6 | 4.5 | 7.0 | 9.1 | 8.5 |

SLC₉₀: 18dB Class 3

3M™ Banded Earplugs 1310 – when worn behind the neck

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 15.7 | 14.7 | 14.7 | 16.1 | 25.6 | 29.4 | 34.7 |
| Standard Deviation dB | 8.9 | 7.7 | 6.7 | 7.4 | 7.6 | 7.3 | 7.5 |

SLC₉₀: 13dB Class 1

3M™ No-Touch™ (Corded & Uncorded)

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 25.9 | 27.3 | 29.3 | 30.6 | 34.9 | 43.3 | 45.0 |
| Standard Deviation dB | 7.1 | 7.7 | 8.7 | 9.3 | 7.4 | 8.6 | 9.3 |

SLC₉₀: 25dB Class 4

3M™ Skull Screws™ (Corded & Uncorded)

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 26.7 | 26.6 | 28.5 | 32.5 | 37.3 | 40.5 | 43.4 |
| Standard Deviation dB | 8.9 | 8.8 | 9.2 | 7.8 | 4.6 | 5.4 | 8.1 |

SLC₉₀: 27dB Class 5

3M™ Pistonz™ (Corded & Uncorded)

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 24.3 | 24.8 | 26.5 | 26.0 | 31.5 | 41.2 | 44.4 |
| Standard Deviation dB | 4.7 | 4.7 | 4.7 | 5.7 | 4.8 | 5.9 | 5.4 |

SLC₉₀: 25dB Class 4

3M™ Nitro™ (Uncorded)

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 24.9 | 25.2 | 27.6 | 28.7 | 34.4 | 43.1 | 43.5 |
| Standard Deviation dB | 5.3 | 5.9 | 6.9 | 5.8 | 5.8 | 8.7 | 10.0 |

SLC₉₀: 26dB Class 5

3M™ Nitro™ (Corded)

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 26.2 | 27.2 | 29.8 | 31.3 | 35.5 | 45.8 | 46.5 |
| Standard Deviation dB | 7.1 | 7.4 | 8.3 | 7.8 | 6.0 | 5.7 | 5.4 |

SLC₉₀: 27dB Class 5

3M™ Tattoo™ (Uncorded)

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 24.9 | 25.2 | 27.6 | 28.7 | 34.4 | 43.1 | 43.5 |
| Standard Deviation dB | 5.3 | 5.9 | 6.9 | 5.8 | 5.8 | 8.7 | 10.0 |

SLC₉₀: 26dB Class 5

3M™ Tattoo™ (Corded)

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 26.2 | 27.2 | 29.8 | 31.3 | 35.5 | 45.8 | 46.5 |
| Standard Deviation dB | 7.1 | 7.4 | 8.3 | 7.8 | 6.0 | 5.7 | 5.4 |

SLC₉₀: 27dB Class 5

3M™ Tri-Flange™ (Corded & Uncorded)

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 22.5 | 22.0 | 22.9 | 26.4 | 30.6 | 33.3 | 36.7 |
| Standard Deviation dB | 9.5 | 10.2 | 9.5 | 9.3 | 8.0 | 11.7 | 10.5 |

SLC₉₀: 19dB Class 3

3M Earmuffs

3M™ Economy 1425 Earmuff (worn over head)

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 18.6 | 19.6 | 24.8 | 34.3 | 36.0 | 34.4 | 35.1 |
| Standard Deviation dB | 2.9 | 3.2 | 3.9 | 3.5 | 2.6 | 1.7 | 3.2 |

SLC₉₀: 28dB Class 5

3M™ 1426 Earmuff

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 11.1 | 16.1 | 24.5 | 35.9 | 36.2 | 36.6 | 32.4 |
| Standard Deviation dB | 3.0 | 3.2 | 4.8 | 4.6 | 3.2 | 4.1 | 3.0 |

SLC₉₀: 27dB Class 5

3M™ 1436 Earmuff

| Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-----------------------|------|------|------|------|------|------|------|
| Mean Attenuation dB | 11.4 | 16.4 | 25.8 | 36.1 | 33.1 | 36.1 | 32.5 |
| Standard Deviation dB | 2.9 | 2.8 | 3.9 | 3.6 | 3.8 | 4.1 | 3.9 |

SLC₉₀: 27dB Class 5

Hearing Protection Use and Care

Disposable Earplugs



How to use – 2 steps

- 1) Slowly roll and compress foam earplugs into a very thin cylinder.
- 2) Ensure to fit the earplug while it is compressed. Reach around the back of your head and pull outward and upward on the ear while inserting the plug until you feel it sealing.

Care and cleaning

Keep the earplugs clean and free from material that can irritate the ear canal.

Reusable Pre-Moulded Earplugs



How to use – 1 step

- 1) Reach around the back of your head and pull outward and upward on the ear while inserting the plug until you feel it sealing. This may seem tight at first, especially if you have never worn earplugs.

Care and cleaning

Reusable pre-moulded earplugs could last several months depending on the type and on 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.

Banded Earplugs



How to use – 1 step

- 1) Swivel the pods and direct the tips into the ear canal openings. Firmly push and wiggle the pods into the ear canal until a snug seal is obtained. Pulling on the outer ear while pushing the pods will be helpful to most wearers.

Care and cleaning

Keep the earplugs clean and free from material that can irritate the ear canal.

Earmuffs



How to use – 1 step

- 1) Earmuffs must fully enclose the ears to seal against the head. Adjust the headband so cushions exert even pressure around the ears to get the best noise reduction. Pull hair back and out from beneath the cushions. Do not wear caps, store pencils behind the ear or anything that may break the seal.

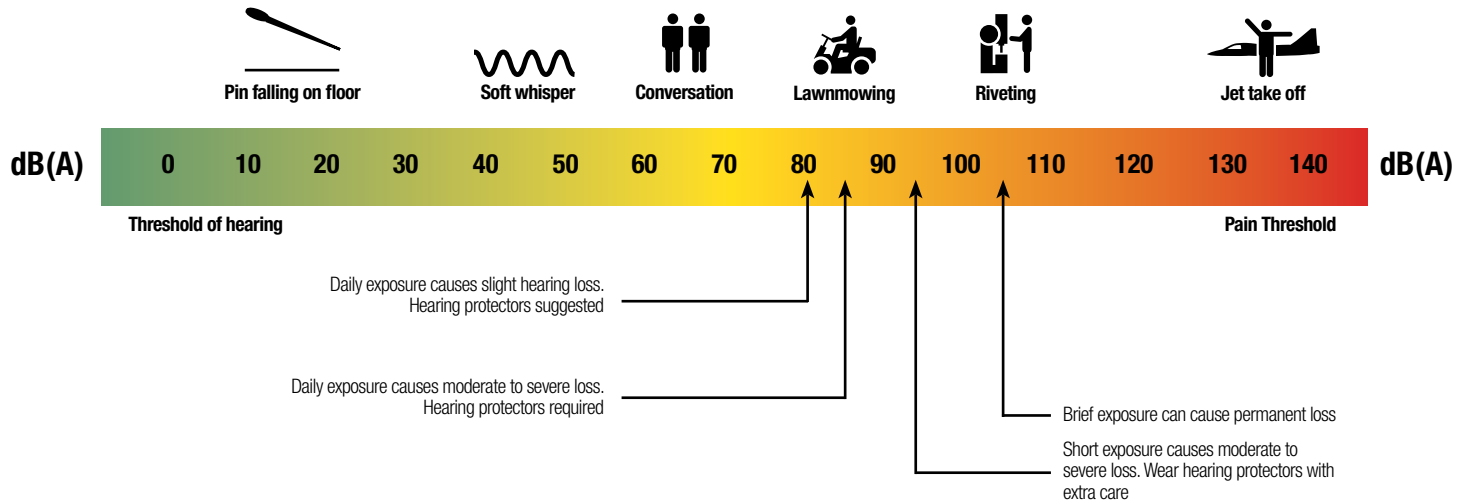
Care and cleaning

Cushions can be cleaned with warm soapy water and rinsed thoroughly. Do not use alcohol or solvents. Do not modify earmuffs in any way, and especially do not stretch or abuse the headband as this will reduce protection.

Technical Information (continued)

Understanding Ear Protection

Easy To Damage – Easy To Protect



100% Usage

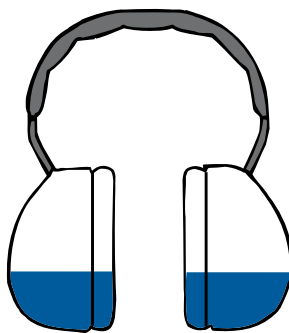
Damage to hearing depends not only on the actual noise level but also exposure time. Just five minutes of carelessness during an eight-hour day can potentially lead to lifelong hearing loss.

That's why 100% usage is critical in noisy environments if you are to get the protection that the chosen hearing protector provides.

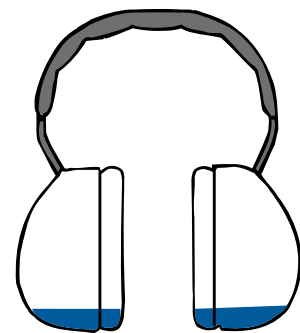
Choose a comfortable hearing protector that suits your needs.



100% usage.
Gives the expected protection



99% usage.
Just five minutes carelessness per day significantly reduces the effect of the hearing protector

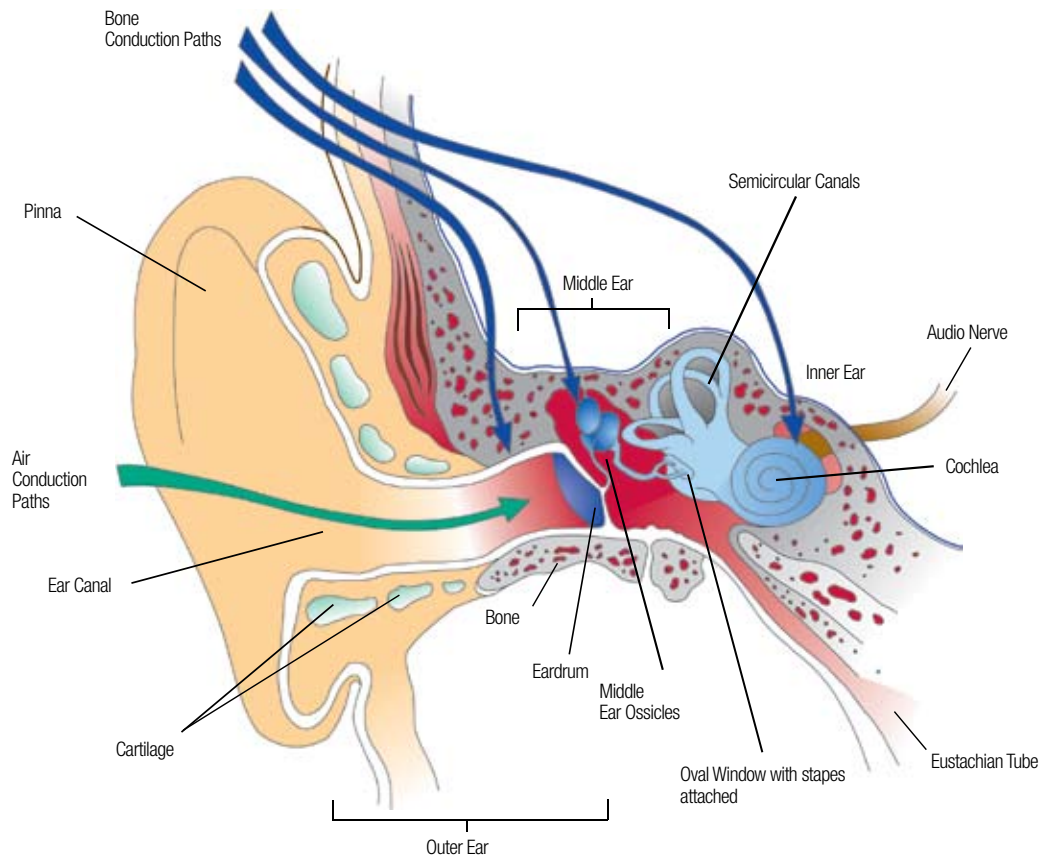


90% usage.
Virtually no protection

100% usage - the only secure protection from hearing loss

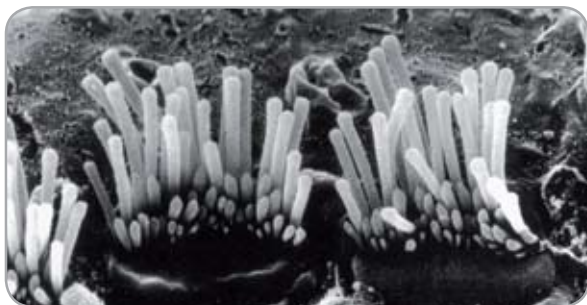
Understanding Ear Protection

Cross Section Of Ear

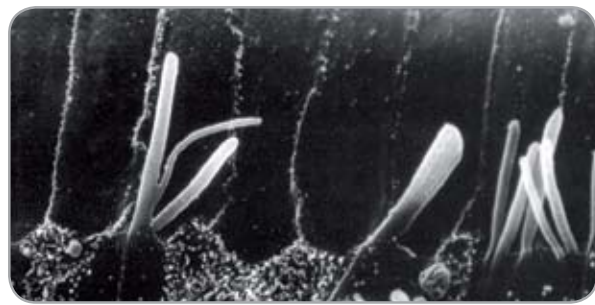


Injuries Are Lifelong

The human ear is designed to pick up natural sounds. Many workplace processes and applications can generate noise levels that are potentially harmful to hearing. When the tiny sensory hair cells are repeatedly exposed to excessive doses of noise, they break. The surviving sensory hair cells can only process a fraction of the usual information transfer, thus leading to permanent hearing damage.



Normal ear showing an electron micrograph of tiny sensory hair cells that are responsible for processing sound vibration into meaningful information.



Damaged ear showing an electron micrograph of tiny sensory hair cells broken as a result of repeated exposure to loud noise resulting in permanent hearing loss.

Technical Information (continued)

3M Training and Support

3M's team of Technical Specialists offer support and training to meet the needs of our customers. They can provide customers:

- Initial and ongoing technical support
- Advice and training for your company, including hazard audits for your workplace
- Can organise fit testing for respiratory and hearing protection

No matter how effective a piece of PPE is, it will offer little or no protection if it is not fitted and worn correctly. Proper inspection, cleaning and storage is vital for safety equipment that protects a worker's health and well-being. That is why 3M offers training programmes that explain the correct way to fit, inspect, clean and store the PPE designed and manufactured by our company.

3M TechAssist

3M TechAssist is the ideal point of contact for your questions, especially when you require a prompt answer. Supported locally by trained staff, and supported further by our global 3M technical team.

Customers can contact TechAssist to answer questions you have on product information, technical advice, guidance with product selection, New Zealand Standards and other important information you need to know on a day-to-day basis.

You can contact 3M's TechAssist service by ringing the free TechAssist Helpline on 0800 364 357.

Nationwide Distributor Network

3M distributes a wide range of workplace safety products through a large distributor network throughout New Zealand.

To find a 3M safety distributor near you contact 3M customer service on 0800 252 627.





3M™ Sound Detector SD-200
(see page 13)





For more information about 3M Safety products or solutions please contact your 3M representative or:

3M TechAssist Helpline (Mon-Fri 8.30am-4.30pm)
3M New Zealand Customer Service
Website

0800 364 357
0800 252 627
www.3m.co.nz/safety



Occupational Health and Environmental Safety Division

3M New Zealand Limited
94 Apollo Drive
Albany
Auckland City 0632
0800 252 627
www.3m.co.nz/safety

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