



HEARING PROTECTION



PRESERVE & PROTECT

Our range of ear defenders provides invaluable protection for those who need it most. We have a number of options to choose from.

Suppliers of

WARRIOR **MOLDEX** **3M**



The level at which employers must provide hearing protection and hearing protection zones is now 85 decibels

Ask our sales staff about the noise testing service we offer

HEARING PROTECTION

The level at which employers must provide hearing protection and hearing protection zones is now 85 decibels (daily or weekly average exposure) and the level at which employers must assess the risk to workers' health and provide them with information and training is now 80 decibels. There is also an exposure limit value of 87 decibels, taking account of any reduction in exposure provided by hearing protection, above which workers must not be exposed.

Ear protection will give different levels of protection at different frequencies and most are better at higher frequencies than lower ones. Most manufacturers label their products with a single simplified noise level reduction (SNR). Usually ear protectors will have an SNR of between 20 and 30dB, which is a rough indication of what the manufacturers claim the noise exposure reduction will be if worn properly.

Hearing protection falls into two broad categories: earplugs and earmuffs.

High-attenuation earmuffs are normally more effective for high level noise as they can reduce levels by up to 30dB. For very high noise levels, earmuffs and earplugs can be worn together.

Earplugs come in a wide variety of forms and some are intended just to reduce irritating noise. To protect against noise they should have an SNR of at least 20dB. There are disposable and re-usable ones and both have their advantages and disadvantages.

The table alongside gives an indication of the protector factor that is likely to be suitable for different levels of noise (the noise level during a particular work task, not the daily personal noise exposure). It is based on the single number rating (SNR) value provided with a hearing protection device. The information is intended as a guide.

Indication of protector factors:

A-weighted noise level (dB)	Select a protector with an SNR of ...
85-90	20 or less
90-95	20-30
95-100	25-35
100-105	30 or more



Optime III
see page 29

WARRIOR



Product Code: 0114M

STANDARD EAR MUFFS

Lightweight and robust ear defender proving cost-effective protection. SNR23. Conforms to EN352-1.

 1x case = 50 pairs

EN352-1

WARRIOR



Product Code: 0114DM

DELUXE EAR DEFENDER

Quality ear defender, suitable for use in medium duty industrial and outdoor applications. Soft wide foam cushions for all day comfort, can also be worn behind the head. SNR30 (behind the head SNR26).

 1x case = 40 pairs

Conforms to: EN352-1

3M PELTOR OPTIME EAR DEFENDERS

Developed for demanding noisy environments and effective in reducing even extremely low frequency sound. The sealing rings are filled with a unique combination of liquid and foam. The result is an optimum seal with low contact pressure, which provides agreeable comfort even during long periods of use. The popular Optime range is available in headband, neckband and helmet attach variants.



Ideal for protecting against moderate industrial noise. Useful in workshops or for outdoor tasks.



Ideal for substantial industrial noise for example construction machinery and agricultural work.



Ideal for extremely high levels of noise. Environments include airports, engine rooms or utilities.

3M



moderate



Product Code: 0114P01H

PELTOR OPTIME I HEADBAND

Headband version. The 3M™ Peltor™ Optime™ I offers versatile protection and is very lightweight, providing high wearer comfort. It combines a low profile with generous inner depth, which makes it easy to combine with other equipment and allows the ear to rest comfortably.

The 3M™ Peltor™ Optime™ I Earmuff is your choice for both short and long duration tasks. The wide comfortable sealing rings are filled with a unique combination of fluid and foam, which gives optimum sealing and low contact pressure at the same time. It is ideal for use in environments with moderate industrial noise, such as workshops, sheet-metal shops and printing works, but also suitable for outdoor tasks such as lawn mowing or in connection with hobby and leisure activities. Neckband and helmet mounted versions also available. Minimum order quantity may apply.

🔊 Attenuation: Headband: SNR=27dB, H=32dB, M=25dB, L=15dB

📦 1x case = 20 pairs

3M



substantial



Product Code: 0114P02H

PELTOR OPTIME II HEADBAND

Headband option. The 3M™ Peltor™ Optime™ II has been developed for demanding noise-hazard environments.

The 3M™ Peltor™ Optime™ II provides sealing rings which are filled with a unique combination of liquid and foam. The result is an optimum seal with low contact pressure, which provides snug comfort even during long term use. The sealing rings have ventilation channels and are covered with a soft, hygienic foam. Optime II is a suitable choice for environments with substantial industrial noise or construction machinery, airports and agricultural work. Neckband and helmet mounted versions also available. Minimum order quantity may apply.

🔊 Attenuation: Headband: SNR=31dB, H=34dB, M=29dB, L=20dB

📦 1x case = 20 pairs

3M



extreme



Product Code: 0114P03H

PELTOR OPTIME III HEADBAND

Headband option. The 3M™ Peltor™ Optime™ III is a high performance hearing protector and has been developed for use in extremely noisy environments. The protection is based on a technology with a double casing minimising resonance in the holder casing, maximising high-frequency attenuation. An acoustic connection between the inner volume and the volume between the casings in its turn provides low-frequency attenuation.

The 3M™ Peltor™ Optime™ III sealing rings are broad and filled with soft plastic foam for the best fit and low contact pressure, the earmuff stands for effective protection and highest comfort for the wearer. Neckband and helmet mounted versions also available. Minimum order quantity may apply.

🔊 Attenuation: Headband: SNR=31dB, H=34dB, M=29dB, L=20dB

📦 1x case = 20 pairs

3M

E-A-R CORDED CLASSIC

Made from a soft energy absorbing polymer foam which provides excellent hearing protection and all day comfort. Ideal for use where noise is a problem either in work or leisure activities. Provide excellent comfort with the added benefits of being moisture resistant and can therefore be cleaned up to 3 times making them an extremely economical option.

- Attenuation: Corded: SNR=29dB, H=30dB, M=26dB, L=23dB
- 1x case = 10x boxes
- 1x box = 200 pairs



Product Code: 01CC-01-000

3M

E-A-R CAPS

The leading banded product within the 3M range

Provide day long protection for workers exposed to noise and are ideal as disposable protectors for factory visitors. One of the lighter semi-aural hearing devices on the market! Replacement pods are available with this banded earplug, making them a very economical solution for your workforce. Replacement pods are available.

- Attenuation: SNR=23dB, H=27dB, M=19dB, L=17dB
- 1x case = 10x packs
- 1x pack = 40 pairs

REPLACEMENT PODS
Product Code: 01ES-01-300



Product Code: 01EC-01-000

3M

E-A-R SOFT

The 3M™ E-A-R™ E-A-RSoft™ Yellow Neon Earplugs are made from a slow expanding polyurethane foam material. A plug that gives evenly distributed pressure allowing flexibility and a good seal with optimum comfort. The 3M™ E-A-R™ E-A-RSoft™ Yellow Neon Earplugs offer exceptional comfort with high levels of protection, made from slow expanding polyurethane foam material and available with a cord.

- Attenuation: SNR=36dB, H=34dB, M=34dB, L=31dB
- 1x case = 4x packs
- 1x pack = 250 pairs



Product Code: 01ES-01-001

3M

E-A-R SOFT FX

The 3M™ E-A-R™ E-A-RSoft™ FX Earplug is the highest protecting earplug in our range today (SNR 39). With its smooth tapered finish, the 3M™ E-A-R™ E-A-RSoft™ FX earplug makes fitting easier and helps form a comfortable fit. The flange shape, when rolled down, serves as a very effective insertion device, which makes the earplug very easy to fit.

- Attenuation: SNR=39dB, H=39dB, M=36dB, L=34dB
- 1x case = 10x packs
- 1x pack = 200 pairs



Product Code: 01ES-01-020

3M

E-A-R EXPRESS

The unique pod design of the 3M™ E-A-R™ Express Earplug allows the foam to compress easily so that the plug slides gently into the ear and expands slowly, making an effective seal for most ear canals. The 3M™ E-A-R™ Express Earplug has an insertion grip which makes handling and fitting the earplug easier and more hygienic. Available with or without a cord.

- Attenuation: SNR=28dB, H=30dB, M=24dB, L=22dB
- 1x case = 4x packs
- 1x pack = 100 pairs



Product Code: 01EX-01-002 (Uncorded) 01EX-01-001 (Corded)

3M

E-A-R CLASSIC REFILL ONE TOUCH

Refill Bottle to be used with the 3M™ One-Touch™ Dispenser. The 3M™ E-A-R™ Classic Earplugs are made from a soft energy absorbing polymer foam, which provides excellent hearing protection and all day comfort. Ideal for use where noise is a problem either in work or leisure activities. Provide excellent comfort with the added benefits of being moisture resistant and can therefore be cleaned up to 3 times making them an extremely economical option.

- Attenuation: Uncorded: SNR=28dB, H=30dB, M=24dB, L=22dB
- 1x case = 4x packs
- 1x pack = 500 pairs



Product Code: 01PD-01-001

3M

E-A-R SOFT REFILL ONE TOUCH

The 3M™ E-A-RSoft™ Refill Bottle for use with the 3M™ One-Touch™ Dispenser. The 3M™ E-A-R™ E-A-RSoft™ Yellow Neon Earplugs are made from a slow expanding polyurethane foam material. A plug that gives evenly distributed pressure allowing flexibility and a good seal with optimum comfort. The 3M™ E-A-R™ E-A-RSoft™ Yellow Neon Earplugs offer exceptional comfort with high levels of protection, made from slow expanding polyurethane foam material.

- Attenuation: SNR=36dB, H=34dB, M=34dB, L=31dB
- 1x case = 4x packs
1x pack = 500 pairs



Product Code: 01PD-01-002

3M

E-A-R CLASSIC

Made from a soft energy absorbing polymer foam, which provides excellent hearing protection and all day comfort. Ideal for use where noise is a problem either in work or leisure activities. The 3M™ E-A-R™ Classic™ Earplugs provide excellent comfort with the added benefits of being moisture resistant and can therefore be cleaned up to 3 times making them an extremely economical option.

- Attenuation: Uncorded: SNR=28dB, H=30dB, M=24dB, L=22Db
- 1x case = 8x boxes
1x box = 250 pairs



Product Code: 01PP-01-002

3M

E-A-R TRACER

The unique one size earplug fits most ear canals comfortably and provides high levels of attenuation with the added benefits of being metal detectable. The reusable earplug incorporates a blue metal detectable cord which makes it ideal for the food manufacturing industry, also moisture resistant and comes with a cord.

- Attenuation: SNR=32dB, H=33dB, M=28dB, L=25dB
- 1x case = 4x packs
1x pack = 50 pairs



Product Code: 01TR-01-000

3M

E-A-R ULTRAFIT

Unique one size earplugs which fit most ear canals comfortably and provide a high level of attenuation. For occasions when the convenience and the permanence of a premoulded earplug is more suitable for your requirements. Made from flexible materials that are preformed to fit the ear. This reusable plug is comfortable, hygienic and economical as it can be washed.

- Attenuation: SNR=32dB, H=33dB, M=28dB, L=25dB
- 1x case = 10x packs
1x pack = 50 pairs



Product Code: 01UF-01-000

MOLDEX

MOLDEX PURA-BAND

Reusable banded earplugs SNR 22. Durable and washable pods made from soft thermoplastic. 100% PVC free, CE Marked.

- 1x case = 10x packs
1x pack = 10 units



Product Code: 0114MM6600

MOLDEX

MOLDEX JAZZ-BAND

The cost-effective and convenient option against intermittent noise throughout the day. Dual material technology reduces noise transmission. Neck cord with safety release mechanism. Replaceable pods. 100% PVC free, CE Marked.

- 1x case = 10x packs
1x pack = 8 units



Product Code: 0114MM6700

MOLDEX

MOLDEX JAZZ-BAND REPLACEMENT PODS

Comfortable foam replacement pods for the Moldex Jazz-Band. 100% PVC free, CE Marked.

1x pack = 50 units



Product Code: 0114MM6825

MOLDEX

PURA-FIT MOLDEXSTATION

Made from recyclable material and with only 2% wastage, the dispenser puts protection at the centre of the workforce. Plugs remain hygienic as the dispenser mechanism is automatically replaced with every refill. SNR 36 protection against higher noise levels, Soft material. Easy to insert. 100% PVC free, CE Marked.

1x case = 8 packs.
1x pack = 500 pairs



Product Code: 0114MM7750

MOLDEX

MOLDEX SPARK PLUGS

Comfortable PU foam earplugs to protect against long-term exposure. SNR 35. Colourful and appealing. Soft material. Easy to insert. 100% PVC free. CE Marked.

1x case = 10 packs.
1x pack = 200 pairs



Product Code: 0114MM7800

MOLDEX

MOLDEX SPARK PLUGS CORD

Comfortable PU foam earplugs to protect against long-term exposure. Corded. SNR 35. Colourful and appealing. Soft material. Easy to insert. 100% PVC free, CE Marked.

1x case = 10 packs
1x pack = 200 pairs



Product Code: 0114MM7801

MOLDEX

SPARK PLUGS MOLDEXSTATION

Made from recyclable material and with only 2% wastage, the dispenser puts protection at the centre of the workforce. Plugs remain hygienic as the dispenser mechanism is automatically replaced with every refill.

- SNR 35
- Colourful and appealing
- Soft material
- Easy to insert
- 100% PVC free
- CE Marked

7825

1x case = 8 packs
1x pack = 250 pairs



Product Code: 0114MMSP25

7850

1x case = 8 packs
1x pack = 500 pairs



Product Code: 0114MMSP50

HEARING PROTECTION

MOLDEX

**MOUNTING BRACKET FOR
MOLDEXSTATIONS**

Mounting Bracket comes separately. MoldexStation can be replaced in one easy step.

1x case = 8 packs
1x pack = 1 unit



Product Code: 0114MM7060

MOLDEX

SPARK PLUGS DETECT

To ensure the Spark Plugs Detect are fully detectable, metal is embedded into the plug and the cord. SNR 32. Fully detectable, in plug and cord. Soft material. Easy to insert.

1x case = 10 packs
1x pack = 200 pairs



Product Code: 0116MM7809

MOLDEX

**SPARK PLUGS DETECT
MOLDEXSTATION**

Made from recyclable material and with only 2% wastage, the dispenser puts protection at the centre of the workforce. Plugs remain hygienic as the dispenser mechanism is automatically replaced with every refill.

- SNR 32
- Metal is embedded into the plug making it fully detectable
- Soft material
- Easy to insert

1x case = 8 packs
1x pack = 500 pairs



Product Code: 0116MM7859



Optime III
see page 29

HEARING PROTECTION