

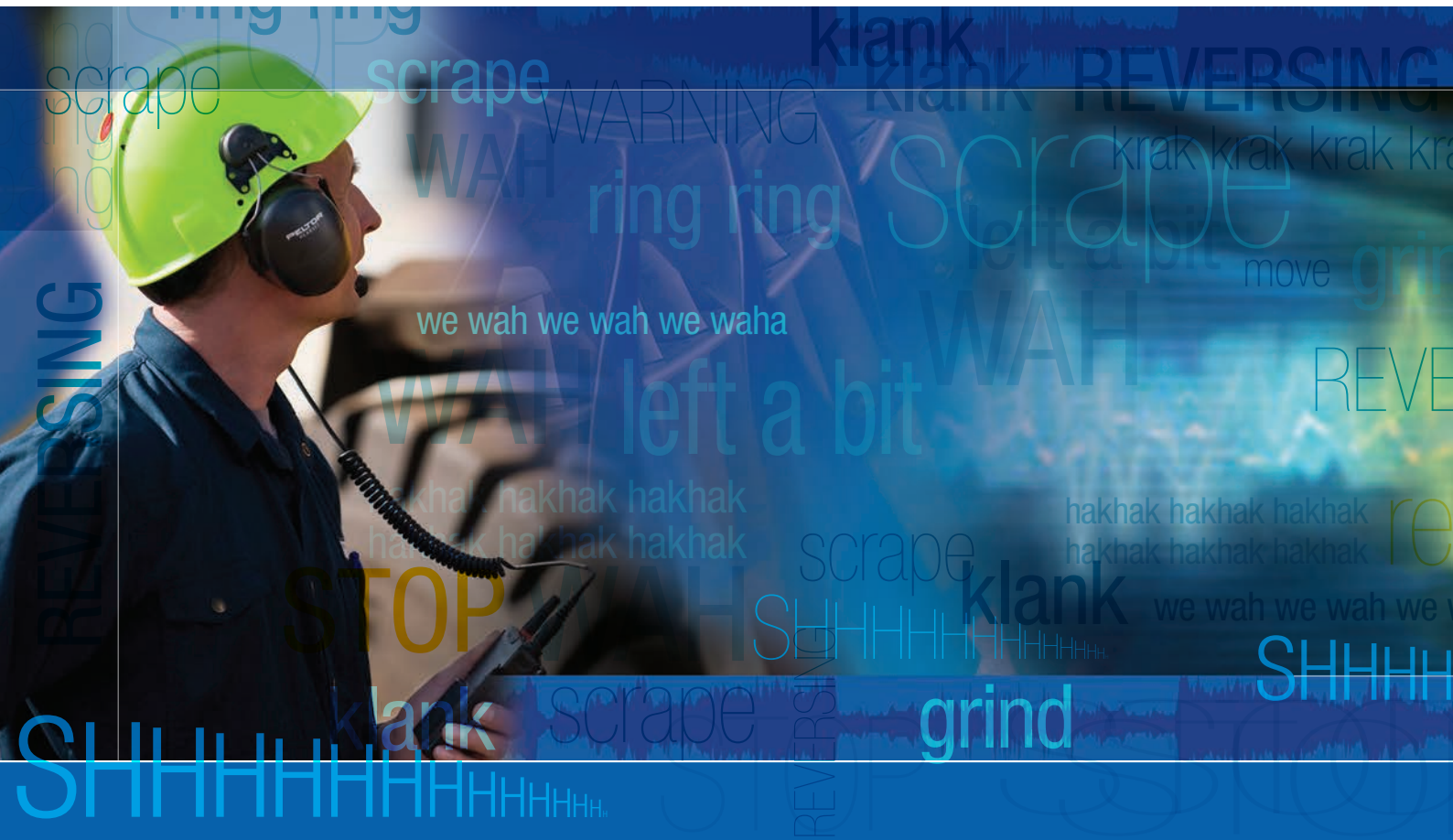
PELTOR™

The Sound Solution



Just what
you want to hear

3M™ Peltor™ Communication Solutions



At a glance

To help you quickly identify the key features of each of our products, look for the following symbols:



FM Radio

Listen to your favourite tunes! Hearing protectors with a built-in FM radio receiver.



Level Dependent

Hear just what you want to! Captures and processes sounds before reproducing them to the ear, providing protection against sudden impulse noises; also capable of amplifying speech and weak signals up to 10 x more than conventional hearing protection.



Built-in Communication Radio

Allows two-way communication over a distance via integral radio.



Two-way Communication Headset

Allows communication over a distance via communication radio, mobile or DECT-phone.



Bluetooth®

Go wireless! Hearing protectors with built-in Bluetooth®.



PELTOR™



Introduction

3M™ and the E-A-R™ and Peltor™ brands are synonymous with protecting hearing in noisy and hazardous environments. Our portfolio of hearing protectors paired with communication systems draws on the latest technology and manufacturing techniques to offer products which allow workforces to operate in comfort and safety.

With 3M™ Peltor™ Communication Solutions, you can protect your workforce from noise-induced hearing loss while increasing productivity. From advanced built-in communications allowing you to keep in touch so that you can operate without being isolated, to our solutions including features which allow wearers to have a more satisfying and rewarding experience at work - we have a range for you.

Simply Covered

Protect your workforce from noise-induced hearing loss and the result can be healthier people and a more productive business.



Simple Step 1. Detection

Identifying noise hazards and assessing noise levels in the workplace is the first step towards ensuring your workforce is protected.



87 dB(A) - 98 dB(A)

You are above the permitted exposure level, hearing protection is compulsory. Ideal for high frequency noise.



94 dB(A) - 105 dB(A)

You are above the permitted exposure level, hearing protection is compulsory. Ideal for high and medium frequency noise.



95 dB(A) - 110 dB(A)

You are above the permitted exposure level, hearing protection is compulsory. Ideal for all frequencies.

Complying with regulations, selecting appropriate protection, and monitoring noise exposure are all easier with 3M Solutions.

Enlist the aid of a 3M Hearing Specialist

For organisations with over 100 employees exposed to noise hazards, a specially trained and experienced 3M Hearing Specialist can visit your organisation and carry out noise level checks, take readings and help suggest appropriate 3M hearing protection. It's a highly effective way for you to ensure that you comply with regulations, select the right protection, and help employees buy into the protection that is put in place.

Assess your own needs

On the other hand, you may prefer to carry out the measurements yourself with the help of our range of reliable, flexible instrumentation and powerful software.

3M has a fully comprehensive portfolio of detection instrumentation which ranges from simple noise indicators that identify when it's time to put on hearing protection, all the way through to personal dosimeters and integrating sound level meters. Some products even include an easy-to-use colour coding system that makes it easy for Health & Safety Managers to assess your noise hazard levels.



Simple Step 2. Protection

Protecting your workforce needs a holistic approach and that's what 3M delivers

Trouble fitting ear plugs? Need to communicate in noise? Dirty hands? Hot, humid conditions? 3M's team of global experts have knowledge you can tap into and trials to make sure you make the right product decision, whether it's basic earplugs, or advanced Peltor Communications equipment. Even down to helping ensure that your workforce will be sufficiently engaged to wear them. So, whatever the environment and the individual's needs, 3M's broad selection of comfortable, stylish and easy to wear hearing protectors will give the optimal answer.

Product Information

Hearing protection products from 3M are designed to provide protection, comfort and ease of use.

1



2



3



4



5



6



1. Roll down earplugs
2. Pod earplugs
3. Pre-moulded earplugs
4. Banded earplugs
5. Ear defenders
6. Communications headset

PELTOR™ EAR

That's why 3M doesn't simply offer industry leading hearing conservation brands Peltor™, E-A-R™ and 3M Solutions, we put them at the heart of the world's most comprehensive approach to hearing protection. It's a simple 4 step end-to-end programme that helps you ensure each and every member of your workforce is offered the protection they need for the environment that they work in and the role they perform.

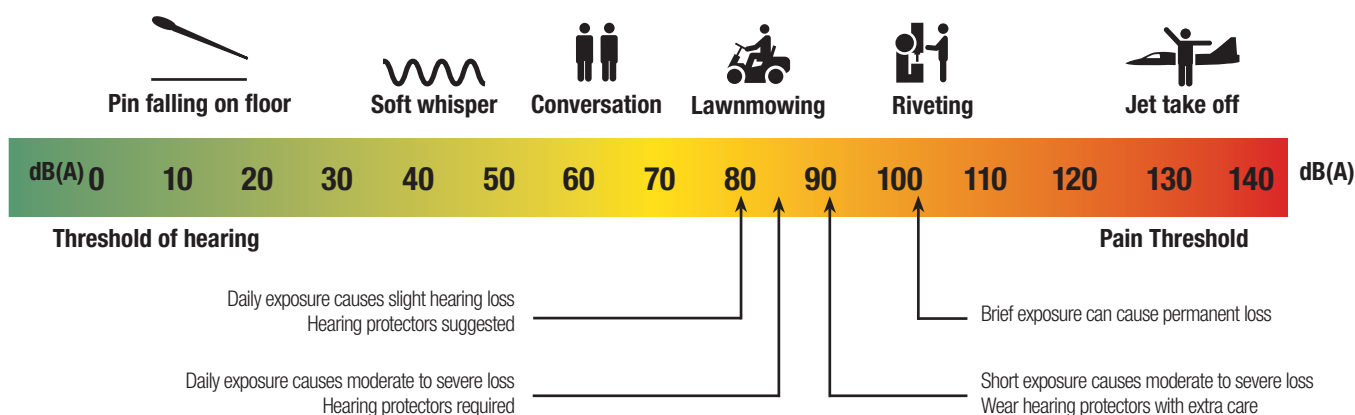


Simple Step 3. Education and Training

Not every member of your workforce will know all the benefits of hearing conservation, or understand how best to use their protection. 3M helps take the weight of educating them off your shoulders.

Education builds commitment to hearing conservation. The more that users believe in the value of protection, the more they're protected.

How the workplace can affect your hearing



For more useful download tools visit: www.3m.co.uk/safety



Simple Step 4. Validation

Every user is different. So even after you've identified the right product for them, how do you make sure that they're adequately, individually protected?

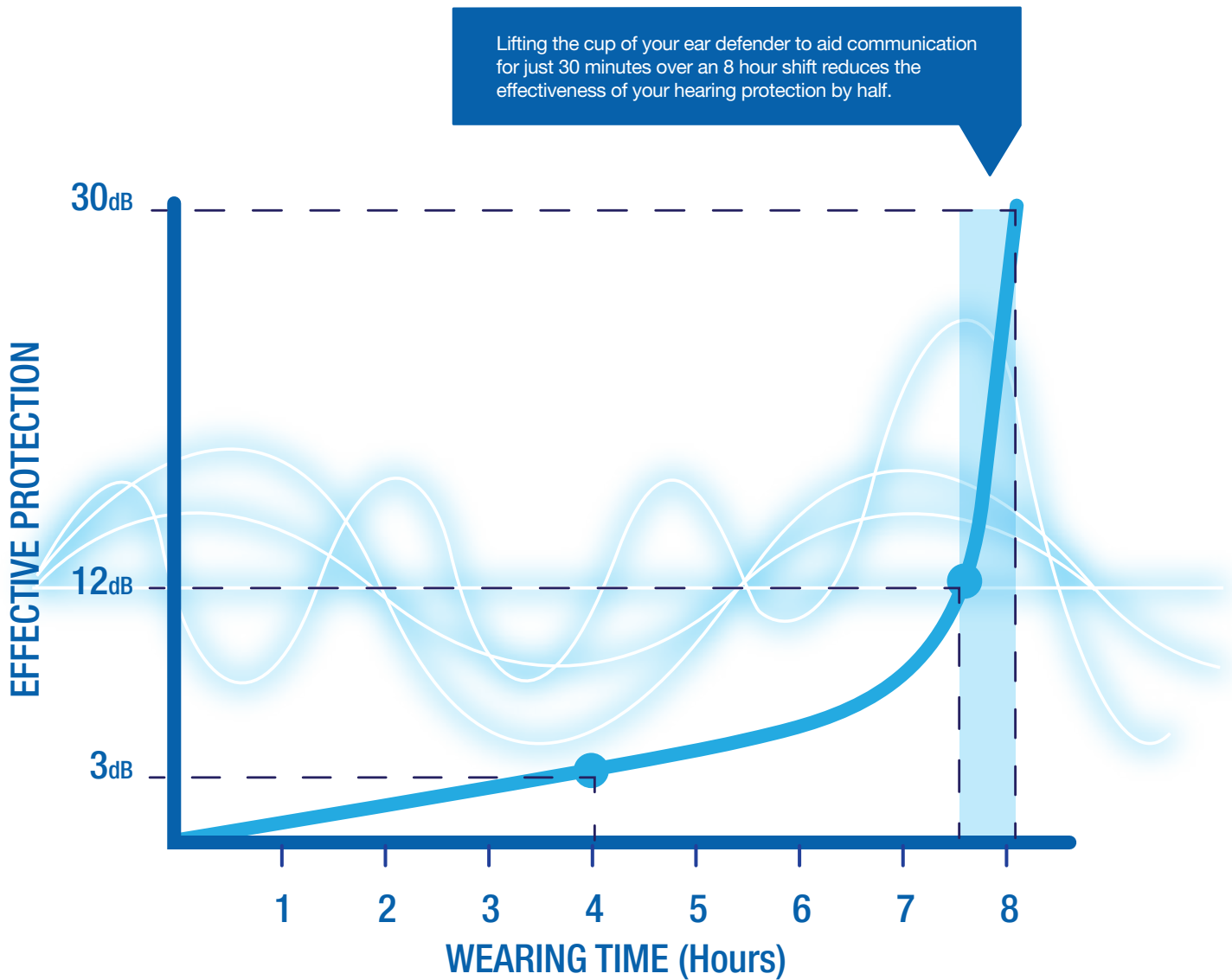
Quick, simple, accurate

With 3M™ E-A-RFit™ Validation System, it takes just 8 seconds per ear. The 3M E-A-RFit Validation System uses F-MIRE (Field Microphone in Real Ear) technology to measure employee hearing protection.



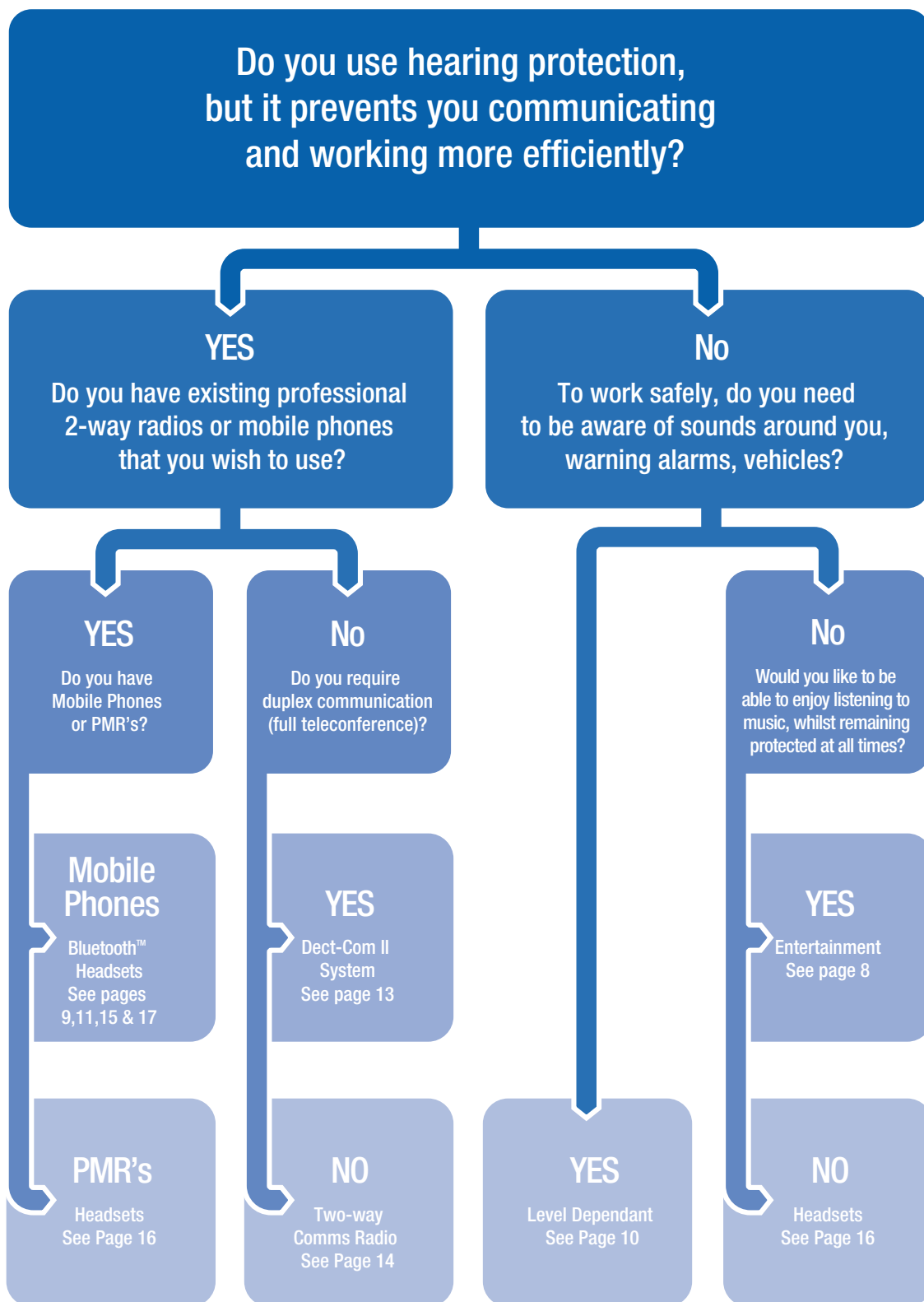
Why 3M™ Peltor™ Communication Solutions?

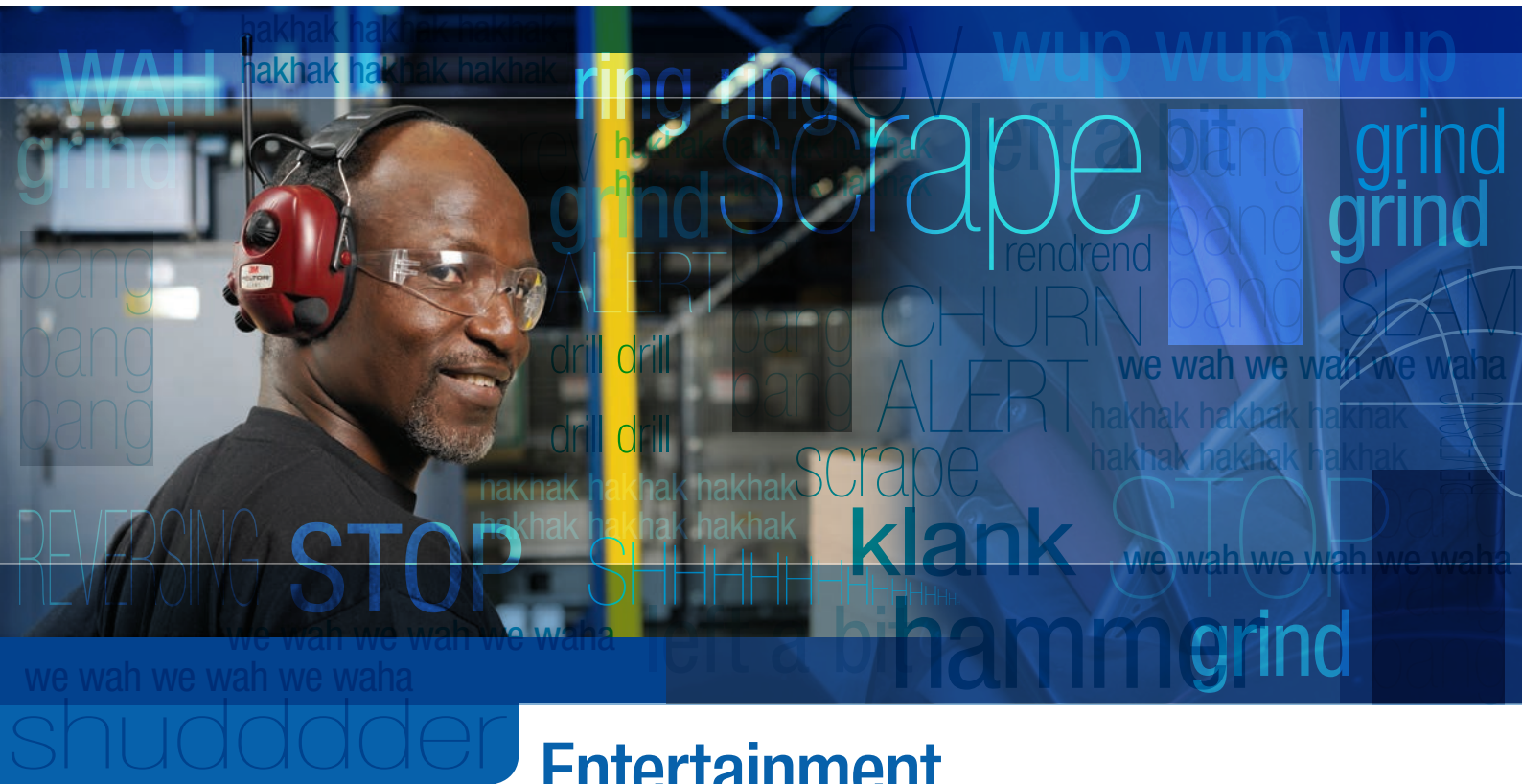
Lifting up the cup of your ear defender for a few moments while you talk to someone in a noisy environment may not seem much, but it all adds up over an eight hour shift. The result could halve its effective hearing attenuation, as shown in the graph below.



Which 3M™ Peltor™ Communication Solution is right for your team?

This flowchart has been designed to help you discover which options from our comprehensive range of communication solutions offer the best working environment for your workforce.





Entertainment

With products from the 3M™ Peltor™ Entertainment Range, people can protect their hearing effectively and at the same time enjoy listening to FM radio while working. Some models can even be connected to a telephone via Bluetooth® - making your team accessible wherever they are.

3M™ Peltor™ FM Radio

The ideal choice for people working outside or on repetitive tasks with no need to communicate. With excellent, interference-free reception developed to improve safety and motivation for wearers in noisy conditions.

- Excellent FM reception
- High attenuation
- Supplied with 3.5mm stereo input cable for MP3 player

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
HRXS7A-01	Headband	32dB	340	200
HRXS7P3E-01	Helmet Attachment	29dB	370	200



3M™ Peltor™ Alert

Benefiting from all of the features of the 3M Peltor FM Radio, the Alert adds extra protection by listening to the surrounding noise levels and adapting to what it hears. It attenuates loud noises and amplifies weak ones, protecting the wearer and making it possible for them to hear colleagues whilst protecting from harmful noise.

- Easy to use volume control to adjust radio and level-dependent function
- Automatically switches to mono for optimal listening in case of weak signals
- Excellent bass sound
- Radio never exceeds 82dB(A)
- Supplied with 3.5mm Stereo Input Cable for MP3 Player

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
M2RX7A2-01	Headband	30dB	361	70
M2RX7P3E2-01	Helmet Attachment	30dB	390	70



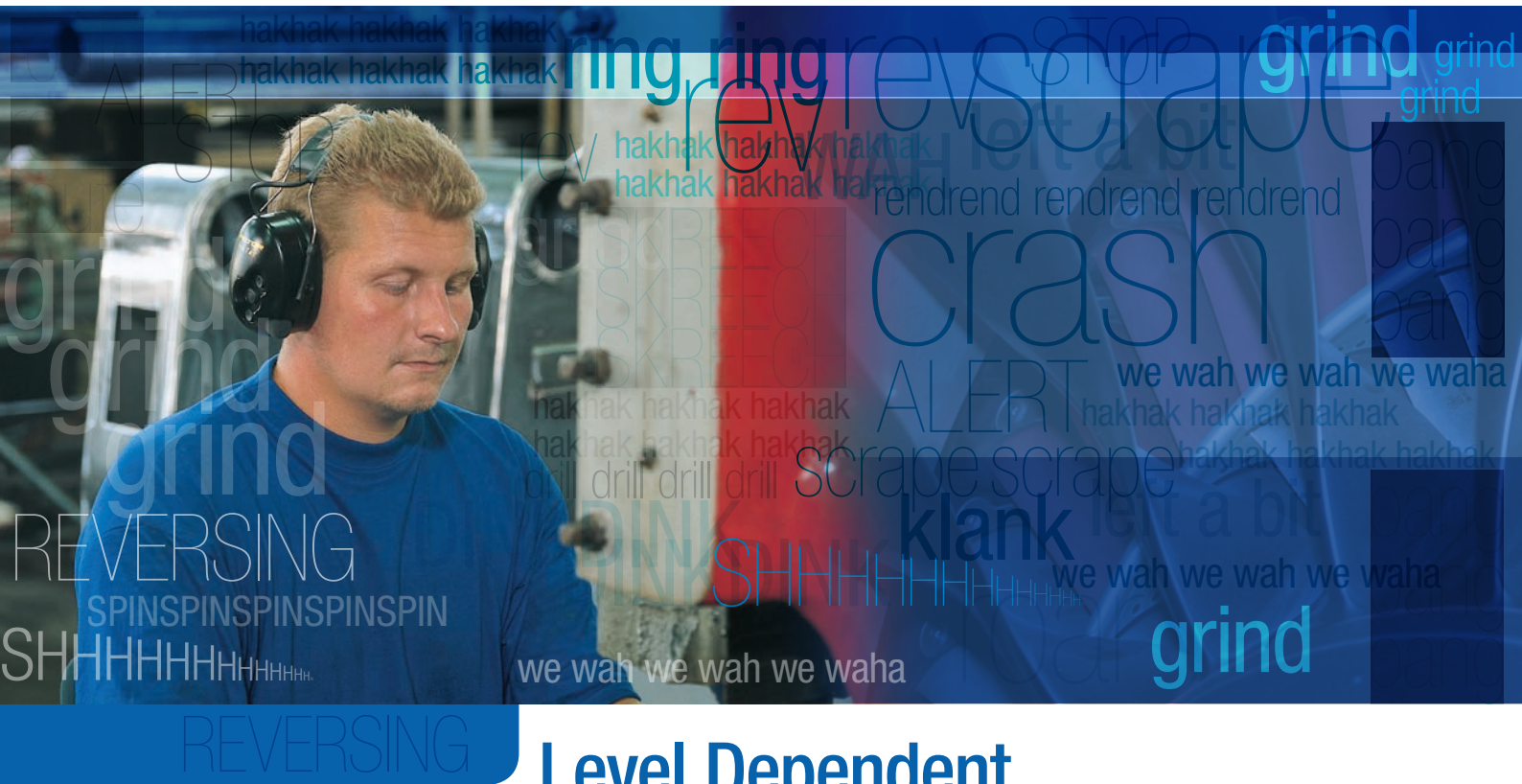
3M™ Peltor™ WS Alert XP

Wearers can work while protecting their hearing and enjoy music at the same time – yet they'll always be in touch. In addition to all of the features of the 3M Peltor Alert, 3M Peltor WS Alert XP uses Bluetooth® to connect with mobile phones for hands-free calling, allowing the phone to be answered without interrupting work.

- Use mobile phones without stopping work or removing hearing protectors
- Automatically switches to mono for optimal listening in case of weak signals
- Level dependent function (surround)
- Bluetooth Wireless Technology with A2DP enabling the streaming of music directly from compatible products
- Supplied with 3.5mm Stereo Input Cable for MP3 Player
- Features Bass Boost, Music Limiter, Sound Equalizer and the Patented Speaker System

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
MRX21AWS5	Headband	32dB	430	23
MRX21P3EWS5	Helmet Attachment	29dB	430	23





Level Dependent

When the environment in which your workforce is employed is subject to impulse noise from machinery, metal press and powerful jackhammers etc., our Level Dependent solutions can give wearers the protection they require.

3M™ Peltor™ SportTac™

This intelligent active hearing protector allows smooth adjustment of the hearing protector's level dependent function. This gives wearers particularly pleasant sound reproduction and less interference.

- Unique digital audio circuit eliminates abrupt sound cut-off
- Interchangeable shells in colours: orange/green (GN) or red/black (RD)
- Collapsible for easy storage

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
MT16H210F-478-**	Folding Headband	26dB	318	600



3M™ Peltor™ ProTac™ II

A sophisticated communication solution with technology and design that enhances attenuation, comfort and sound reproduction.

- Last setting is stored when switched off
- Shuts off after two hours if no function is used
- Improves communication and safety
- Level dependent function in stereo that lets you hear ambient sound: conversation, machine sounds and warning signals
- Shell colours: green (GN) black (SV) red (RD)

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
MT15H7A2-**	Headband	32dB	370	1000
MT15H7P3E2 SV	Helmet Attachment	31dB	405	1000
MT15H7B2 SV	Neckband	32dB	355	1000



3M™ Peltor™ Tactical XP™

An advanced multi-function solution that includes features such as equaliser, balance and high amplification – yet couldn't be easier to use. Each function and its settings are indicated by a voice message.

- External communication and level dependent functions independent of each other. Incorporates balance, equaliser, adjustable release time and adjustable volume for external input
- Latest settings are stored at shut-off, except high volume on external input
- Automatic shut-off after two hours of no active functions
- Low battery power warning signals

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
MT1H7F2	Folding Headband	31dB	400	1000
MT1H7P3E2	Helmet Attachment	30dB	435	1000
MT1H7B2	Neckband	31dB	395	1000



3M™ Peltor™ WS Workstyle

Gives wearers better control of what they want and don't want to hear. Wearers can have wireless telephone conversations and listen to their favourite music, and still be protected even in noisy environments.

- Hear normal ambient noises without being exposed to loud and harmful noise levels
- New patented speaker system designed to produce a full-bodied, dynamic sound
- Easy-to-adjust volume and settings
- Amplifies quiet noises, making them easier to hear than without a headset
- Voice confirmation of chosen settings
- Collapsible for easy storage
- Bluetooth Wireless Technology with A2DP enabling the streaming of music directly from compatible products
- Speech microphone built into earshell

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
MT16H21FWS5G-580-SV	Folding Headband	26dB	352	Max:100 Min:11





HANDSET

BASE UNIT

HANDSET

HANDSET

HANDSET

3M™ Peltor™ DECT-Com II™ Intercom System

3M™ Peltor™ DECT-Com II is a wireless duplex intercom system, operating on the 1.8GHz DECT frequencies. It offers a simple and efficient wireless duplex communication with up to 9 active users talking in full conference and additionally up to 40 listeners. In a system with more than 9 users, any listening participant can change from listening to speaking. The earliest active speaker will be downgraded to a listener in the conference and any other listener can follow, replacing active speakers in the order 'first in - first out'.

There are two versions of the DECT-Com II main unit; base/portable units and portable units - the base/portable unit can be used as either a base or portable. It is a short range communication system with a maximum working range of approximately 300 metres outdoors.

- Full hands-free duplex communication system
- Voice confirmation of chosen settings
- All-call, between the channels
- Extended battery pack for longer usage time
- Wireless PTT button for external radio etc available
- Up to three simultaneous talk groups
- Working range up to 150 metres from the base unit

**The DECT-Com II system works with a wide range of 3M Headsets and Ear Defenders.
Please contact 3M for more information.**





Two-Way Communication Radio Headsets

When your workforce is likely to work anywhere, the 3M™ Peltor™ LiteCom™ Headset Range is the answer. All models include a built-in communication radio in the cup, providing effective and effortless short range two-way communication. Additional features such as VOX and programmable radio allow usage in many areas around the world.

3M™ Peltor™ LiteCom™

Using the new and improved 3M™ Peltor™ LiteCom™, wearers can communicate hands free over the licence free, 8 channel PMR built into the cup. Getting hold of each other across the site has never been so simple using the LiteCom's 1 kilometre range.

- NEW more robust design
- NEW simplified menu system
- Communication on 8 channels in the PMR 446MHz band
- 38 sub-channels allow several users to communicate individually using the same channel
- An electronic voice tells wearers what settings are being adjusted – no need to take off the headset to check
- Up to 1 kilometre range
- Automatically switches off after two hours of non-use, to save batteries

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
MT53H7A440	Headband	32dB	394	20
MT53H7P3E440	Helmet Attachment	33dB	418	20
MT53H7B440	Neckband	32dB	384	20



3M™ Peltor™ LiteCom™ Plus

The LiteCom Plus boasts the same great features as the standard LiteCom, with the additional level dependent function. This feature allows the user to be better connected with their immediate environment, hearing ambient sounds such as conversation and warning signals.

- Built-in level-dependent function let's wearers hear ambient sound, such as conversation, machine sounds and warning signals
- Amplifies weak sounds; attenuates sudden impulse noises at harmful levels
- It's easy to connect a mobile phone or external communication radio, regardless of the frequency
- For safety reasons, the external system has signal priority
- Connect an MP3 player or FM radio and listen to news and music
- 121 sub-channels allow several users to communicate individually using the same channel

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
MT7H7A4410	Headband	34dB	464	20
MT7H7P3E4410	Helmet Attachment	33dB	491	20
MT7H7B4410	Neckband	33dB	453	20



3M™ Peltor™ WS LiteCom™

This hearing protector features a built-in communication radio and a Bluetooth® link for wireless connection to a mobile phone. It means wearers don't have to miss calls or interrupt what they're doing to talk on the phone in a noisy environment. The WS LiteCom also lets you stream music stored in the phone or web radio.

- Communication on 8 channels in the PMR 446MHz band
- 38 sub-channels allow several users to communicate individually using the same channel
- Wireless Bluetooth® connection to mobile phones allows wearers to manage phone calls directly in the headset
- Telephone calls can be managed simultaneously with a call on the communication radio
- Noise-cancelling speech microphone
- Built-in level-dependent function let's wearers hear ambient sound, such as conversation, machine sounds and warning signals
- Sudden impulse noises at harmful volumes are instantly attenuated
- An electronic voice tells wearers what settings are being adjusted – no need to take off the headset to check
- Automatically switches off after two hours of non-use to save batteries

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
MT53H7A4410WS5	Headband	30dB	462	13
MT53H7P3E4410WS5	Helmet Attachment	31dB	448	13
MT53H7B4410WS5	Neckband	31dB	490	13





Headsets

The Peltor™ Headset range is perfectly designed for work in very high-noise environments. The well-designed cups of the headsets are comfortable to wear, even for long periods, and deliver outstanding attenuation.

3M™ Peltor™ High Attenuation Flex Headset

The ideal choice for a very high-noise environment, this superbly comfortable headset provides wearers with extremely high levels of hearing protection through high attenuation performance.

- High attenuation hearing protector
- Noise cancelling speech microphone
- Standard connection socket for connecting to most professional mobile radio (PMR), such as Motorola™, Kenwood™, Icom™ and many more via flex cables*
- Push to talk on cup

* For information on which flex cable you require please contact us

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
MT53H79A-77	Headband	33dB	310	N/A
MT53H7P3E2-77	Helmet Attachment	32dB	340	N/A
MT53H79B-77	Neckband	32dB	360	N/A



3M™ Peltor™ WS Headset XP

With a Bluetooth® function, this headset enables wearers to carry on working while taking calls via DECT or on mobile phones. The headset provides very good noise attenuation when sound levels are very high.

- Bluetooth enabled for connection with mobile phones and other compatible devices
- Advanced VOX performance
- A2DP streaming
- Can be used with 3M Peltor FL6000 Series WS Bluetooth® Adaptors

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
MT53H7AWS5	Headband	31dB	368	24
MT53H7P3EWS5	Helmet Attachment	31dB	393	24
MT53H7BWS5	Neckband	30dB	358	24



3M™ Peltor™ WS Protac XP

The Peltor WS ProTac XP is an active-hearing protector that features Bluetooth® technology, allowing wearers to carry on working with both hands while taking calls via DECT or mobile phones.

- DSP provides digital noise reduction in high noise environments
- Supports Bluetooth A2DP profile for streaming high quality stereo sound
- Advanced VOX (Voice Operated Transmit)
- Available as a Flex Headset

Part No:	Attachment:	SNR:	Weight (g):	Battery life (Hrs):
MT15H7AWS5	Headband	31dB	396	24
MT15H7P3EWS5	Helmet Attachment	31dB	421	24
MT15H7BWS5	Neckband	30dB	386	24



*Flex Cables

The 3M Peltor High Attenuation Flex Headset requires an additional flex accessory cable, to enable it to be connected to a handheld communications device, such as a two-way radio. Please contact 3M or your Approved Peltor reseller for more information.

Custom build, service and technical support

3M™ Peltor™ Communication Solutions pay attention to the unique needs and working situation of each individual. If you have specific needs which our current range of products does not cover, please contact us. With 3M Peltor Communication Solutions, our UK based technical expertise and support ensures a pleasant user experience for the life of the product.

Accessories

A variety of accessories and spare parts for your equipment, such as throat microphones, external PTT's, headset cases and hygiene kits are available.

Diverse range of personal protective equipment

3M manufacture a broad range of personal protective equipment, focusing on protection and wearer comfort. Here are some examples:

Respiratory protection



Hearing protection



Eye protection



Head protection



Welding protection



Protective coveralls



3M Health and Safety Helpline

0870 60 800 60 (UK), 1800 320 500 (Ireland)

For more information about our products and services visit our website at www.3M.co.uk/safety

If you would like to trial 3M Peltor Communications Solutions please contact your 3M Account Manager or 3M Peltor approved reseller.

Testimonials



Adrian Hague about 3M™ Peltor™ Communications

“For the customer to know that we are using the best equipment that is on the market gives them the confidence and reassurance that we can carry out our work to the highest standard”.

Adrian Hague

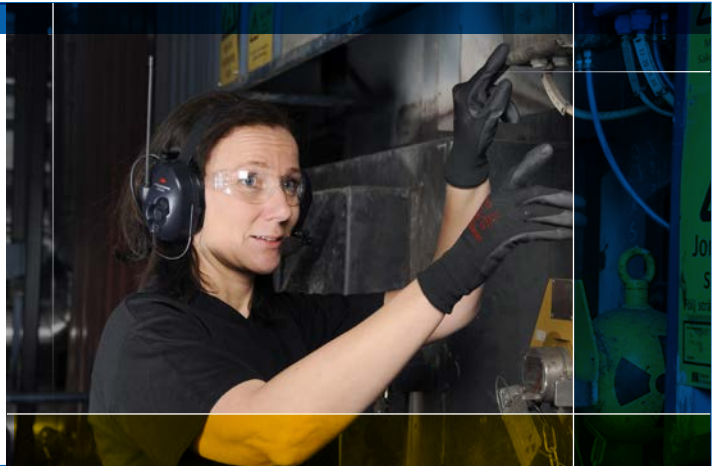
Maintenance Manager, KUE Group Limited

Gary Hyde about the Peltor™ LiteCom™ Pro, safety and efficiency

“Being able to contact Plant Operators quickly and easily, particularly within the constraints of a noisy environment, has proved vital for safe and efficient production”.

Gary Hyde

Operations Support Manager, Nippon Gohsei UK Ltd



Adrian Hague about 3M™ Peltor™ Communications

“When carrying out media blasting either on a client's site or on our own premises, communication between the blaster and the blasting rig operative is essential for quality and above all, safety. The communication system we use supplied by 3M Peltor is by far the best system we have ever used.

Our main clients who include the gas, oil and power industry have very strict rules regarding safety quality and the environment”.

Adrian Hague

Maintenance Manager, KUE Group Limited



Trial



If your organisation would like to trial **3M™ Peltor™ Communication Solutions** please contact your **3M Account Manager** or **3M Peltor Approved Reseller**

- 3M will then assess your requirement and provide you with the ideal communication solution to trial*
- See, and hear, the productivity and safety benefits in your work environment with 3M Peltor Communication Solutions

*Trial equipment has limited availability and remains the property of 3M UK and Ireland. 3M UK and Ireland reserve the right to refuse or withdraw trial equipment loans at any time.

 @3M_UK_Safety

For more information on all our products, call **3M Personal Safety Division** on **0870 60 800 60 (UK)** and **1800 320 500 (Ireland)** or visit www.3M.co.uk/safety

3M

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