



Hearing Protection

Hearing Protection

All ears when it comes to safety

Noise-induced hearing loss is still one of the most common occupational hazards of all.

It develops painlessly, is progressive and generally goes unnoticed. It is the fact that it's irreversible which makes it so serious. The risk to hearing and the importance of hearing protection are often recognised too late.

Only those who suffer from hearing loss really understand just how essential a good sense of hearing is and that protecting it should be a top priority.

What is noise?

Loud sounds which comprise noise not only pose a risk to hearing but can also be distracting and debilitating.

Persistent low-grade sounds such as a clock ticking or a dripping tap can also affect concentration levels.

What are the consequences of noise?

We use our hearing continuously, it never gets a break and cannot be "switched off". We are exposed to noise every day, all day, from multiple sources so our hearing is under constant stress.

These daily demands on our ears can lead to irreversible noise-induced hearing loss. But, it's not just our hearing that is affected; noise means stress for the entire body. Noise affects us subconsciously and can lead to difficulty concentrating, gastrointestinal illness, elevated blood pressure and increased risk of a heart attack.

Adverse health effects caused by harmful noise levels

Listed below are the maximum periods of time a person should be exposed to harmful noise per day without wearing hearing protection.

85 dB	8 hours	103 dB	7.5 minutes
88 dB	4 hours	106 dB	4 minutes
91 dB	2 hours	109 dB	2 minutes
94 dB	1 hour	112 dB	1 minute
97 dB	30 minutes	115 dB	30 seconds
100 dB	15 minutes		



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Test and standards

All uvex hearing protection products comply with the AS/NZS standard and have been tested in accordance with AS/NZS 1270.

Continuous quality assurance with ISO 9001/2015.

Applicable standard norms are:

- AS/NZS 1270 - Acoustics - Hearing Protectors
- AS/NZS 1269.3 - Occupational Noise Management Hearing Protector Program

Class of hearing protector required

LAeq,8h dB(A)	Class
Less than 90	1
90 to less than 95	2
95 to less than 100	3
100 to less than 105	4
105 to less than 110	5
Greater than 110 or equal to 110	Seek specialist advice

For the selection of hearing protectors according to the classification method L(crit)Aeq,8h as 85 dB(A) e.g if a person is exposed to noise with a LAeq,8h at 97dB(A) a Class 3 hearing protector is suitable



Hearing protection

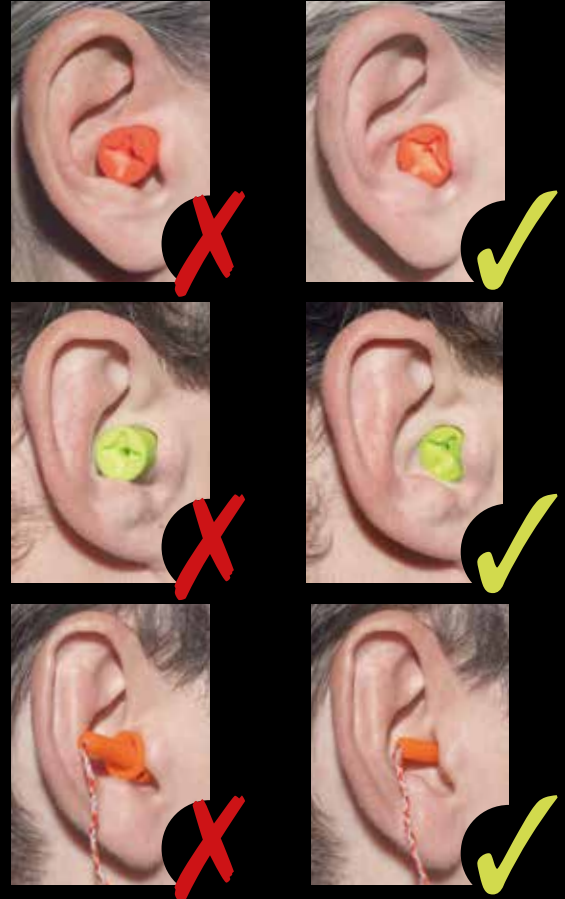
Size and fit

Everyone's ear canal is unique – much like a fingerprint. Which is why it's all the more important that you choose adequate and suitable hearing protection that is the correct size to achieve a good fit. uvex offers a complete range of hearing protection to ensure all wearers are able to achieve a fit that's right for them.

Choosing the wrong size can severely reduce the protection value, exposing wearers to harmful noise, and makes the ear plugs uncomfortable to wear.

- if the earplugs are too large, they are unlikely to sit deep enough in the ear canal, so the specified protection level cannot be achieved. They'll also feel uncomfortable
- if the earplugs are too small, although they may be comfortable to wear, there could be noise leakage and reduced protection capacity which over time can cause noise-induced hearing loss.
- round earplugs don't necessarily completely seal an oval-shaped ear canal. It is on this premise that we developed the uvex xact-fit range of hearing protectors.

It is best to try different sizes to find the one that gives you the best protection and fit. With the uvex com4-fit and uvex x-fit, we offer something for the majority of ear canal shapes.



Look out for the different sizes



The cross-section of an ear canal is oval shaped

Anyone can get used to wearing hearing protection; you just need to choose the right type of protection for you.

- wearing time
- noise levels
- choose earplugs according to the size of your ear canal
- earmuffs are not recommended for hot workplaces
- fitting accuracy (glasses wearers)

- for earmuff wearers, the weight should be taken into consideration
- handling (dirty hands, gloves, disabilities)
- compatibility with other PPE (helmet, glasses, respiratory protection)

The right hearing protection can make even the loudest noises more comfortable.

Hearing Protection

Different situations, different ears



A unique design, even inside the earplugs

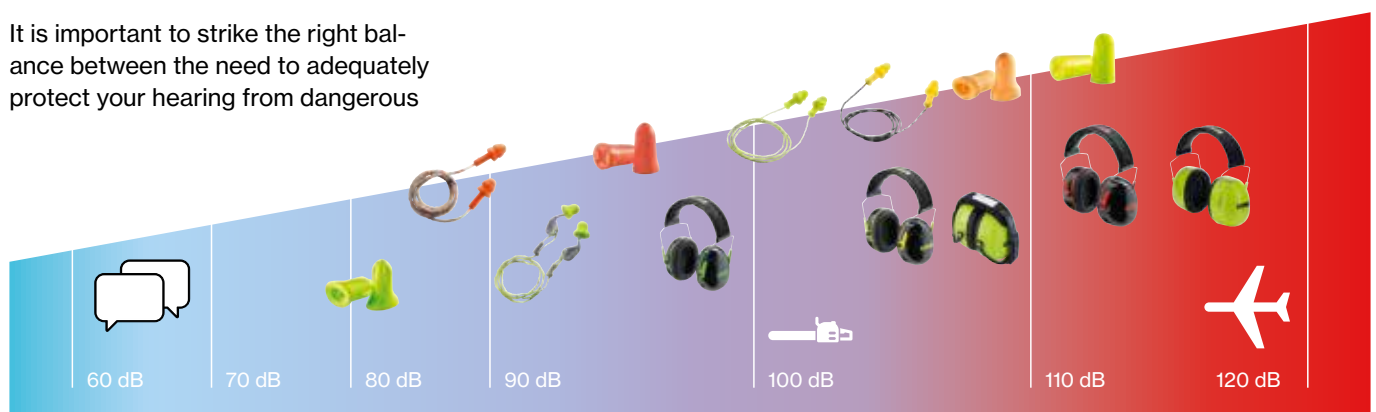
uvex x-fit				<ul style="list-style-type: none"> • intricate recess design for long-term wearer comfort • designed to minimise pressure in the ear canal
uvex com4-fit				<ul style="list-style-type: none"> • grip section for easy insertion and removal
uvex hi-com				<p>Defined protection zone for controlled noise reduction, resulting in excellent speech and signal recognition and good communication</p>
uvex xact-fit				

Hearing protection for every situation

There are many types of uvex hearing protection which are suitable for different situations and if you work in or are passing through high noise level areas you need the right level of protection.

noise while not compromising your ability to hear and communicate. The below chart gives you an overview of which uvex earplug may be suitable based on the noise level.

It is important to strike the right balance between the need to adequately protect your hearing from dangerous



Hearing protection

The uvex xact-fit family

Using earplugs has never been easier



Easy, fast and accurate insertion

Medium protection capacity for excellent speech and signal recognition for easy communication

Replacement earplugs are available, for a cost-effective and environmentally conscious choice

No rolling required, so they can be used with dirty hands or while wearing gloves

Ergonomically shaped stems make fitting easy, hygienic, accurate and achieves a high level of wearer comfort

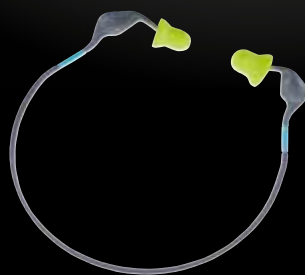
Thumb indentations with left and right marking ensures correct insertion and easy fitting

The shape means it fits most ear canals securely and comfortably

The uvex xact-fit family



uvex xact-fit



uvex xact-band



uvex xact-fit reusable S and M/L

coming soon

Hearing protection

The uvex xact-fit family

uvex xact-fit – intelligent ergonomics

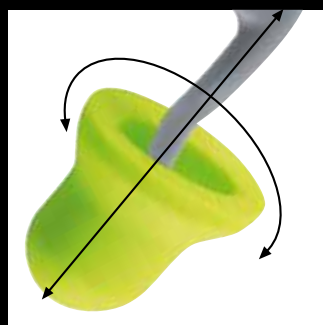
A new dimension of wearer comfort



The cross-section of an ear canal is oval shaped

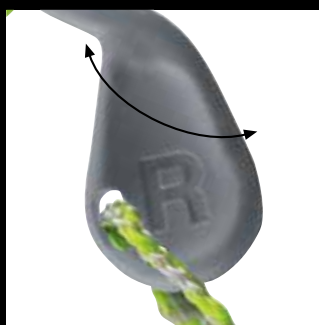
The stem is ergonomically shaped to fit either the left or right ear to increase wearer comfort and make the earplugs easier to insert and remove.

The design is easily identifiable from a distance, making it easier to monitor usage in accordance with your company's regulations.



Perfect fit

Oval-shaped foam earplugs mimic the natural shape of the ear canal for low pressure fit and enhanced comfort



Ergonomic thumb indentations

The ergonomic thumb indentations with left and right marking ensures correct insertion and easy fitting



Adjustable cord

Hearing Protection

Disposable ear plugs



uvex xact-fit

- disposable earplugs uniquely shaped to match the anatomy of the ear canal
- tapered plug shape ensures natural, pressure free fit – maximising comfort and protection levels
- left / right pod carriers simplify fitting and ensure accurate fit every-time
- replacement earplugs can be dispensed through the standard uvex wall mounted dispenser unit
- sealed PU foam reduces the potential for contamination
- adjustable neck cord can be altered to wearers requirements for increased safety

uvex xact-fit		uvex xact-fit replacement pods	
Part no.	XA-CD		XA-RP
Design	with reusable pin		replacement pods
Standard	AS/NZS 1270		AS/NZS 1270
SLC80	22 dB, Class 4		22dB, Class 4
Colour	lime		lime
Packaging	50 pairs, paired in mini box		250 pairs, 5 pairs, packed in mini box

SLC80 22 dB, Class 4							
Frequency in Hertz	125	250	500	1000	2000	4000	8000
Mean	15.8	19.0	22.6	24.8	31.8	35.3	39.3
STD. Deviation	5.0	6.5	7.6	6.5	3.2	5.1	5.4
Mean minus SD	10.8	12.5	15.0	18.3	28.6	30.2	33.9



uvex hi-com

- delivers low, flat attenuation allowing for excellent speech and sound recognition
- available in two colours
- large surface area delivers softer acoustics and absorbs inner ear sounds which can become obvious when wearing hearing protection in quieter areas

uvex hi-com			
Part No.	HC-UC	HC-PB	HC-UC-F
Design	without cord	without cord	without cord
Standard	AS/NZS 1270	AS/NZS 1270	AS/NZS 1270
SLC80	16 dB, Class 2	16 dB, Class 2	16 dB, Class 2
Colour	lime	lime	fawn
Packaging	200 pairs, packed in pairs	200 pairs, refill polybag	200 pairs, packed in pairs

SLC80: 16 dB, Class 2							
Frequency in Hertz	125	250	500	1000	2000	4000	8000
Mean	14.4	14.8	16.8	19.3	27.0	28.9	28.6
STD. Deviation	7.5	7.7	7.4	5.9	7.3	7.2	8.7
Mean minus SD	6.9	7.1	9.5	13.4	19.7	21.7	19.9



Hearing Protection

Disposable ear plugs



uvex com4-fit

- disposable earplugs with a compact, ergonomic design
- perfect for narrow and smaller ear canals
- suitable for use in high noise environments
- patented x-grip technology reduces pressure on the ear canal and aids easy, hygienic removal
- increased wearing comfort, when worn for extended periods

uvex com4-fit			
Part No.	CF-UC	CF-CD	CF-PB
Design	without cord	with cord	without cord
Standard	AS/NZS 1270	AS/NZS 1270	AS/NZS 1270
SLC80	22 dB, Class 4	22 dB, Class 4	22 dB, Class 4
Colour	orange	orange	orange
Packaging	200 pairs, packed in pairs	100 pairs, packed in pairs	200 pairs, dispenser refill

uvex com4-fit		
Part No.	CF-UC-B	CF-UC-D
Design	without cord	without cord
Standard	AS/NZS 1270	AS/NZS 1270
SLC80	22 dB, Class 4	22 dB, Class 4
Colour	orange	orange
Packaging	7000 pairs, bulk pack	500 pairs, for wall dispenser

SLC80 22 dB, Class 4							
Frequency in Hertz	125	250	500	1000	2000	4000	8000
Mean	20.7	20.1	23.5	24.6	29.6	36.2	36.2
STD. Deviation	7.8	7.8	7.9	5.1	5.3	5.5	6.5
Mean minus SD	12.9	12.2	15.6	19.5	24.3	30.6	29.6



uvex x-fit

- tapered plug shape ensures natural, pressure free fit – maximising comfort and protection levels
- suitable for use in high noise environments
- patented x-grip technology reduces pressure on the ear canal and aids easy, hygienic removal

uvex x-fit			
Part No.	XF-UC	XF-CD	XF-PB
Design	without cord	with cord	without cord
Standard	AS/NZS 1270	AS/NZS 1270	AS/NZS 1270
SLC80	26 dB, Class 5	26 dB, Class 5	26 dB, Class 5
Colour	lime	lime	lime
Packaging	200 pairs, packed in pairs	100 pairs, packed in pairs	200 pairs, dispenser refill

uvex x-fit			
Part No.	XF-UC-B	XF-UC-D	2112.133
Design	without cord	without cord	without cord
Standard	AS/NZS 1270	AS/NZS 1270	AS/NZS 1270
SLC80	26 dB, Class 5	26 dB, Class 5	26 dB, Class 5
Colour	lime	lime	lime
Packaging	7000 pairs, bulk pack	500 pairs, for wall dispenser	15 pairs, retail pack

SLC80 26 dB, Class 5							
Frequency in Hertz	125	250	500	1000	2000	4000	8000
Mean	26.0	28.2	28.7	29.0	34.6	39.5	42.3
STD. Deviation	8.2	9.6	8.8	6.7	4.6	6.0	8.6
Mean minus SD	17.7	18.6	20.0	22.3	30.1	33.5	33.7



Hearing Protection

Earplug dispenser - Reusable ear plugs



AC-PD

uvex earplug dispenser “one2click”

- easy-to-use and robust wall-mounted dispenser
- earplugs available to hand with just one click
- collecting tray prevents earplugs from falling on the floor
- suitable for all uvex disposable uncorded earplugs
- the transparent design makes refilling easy to monitor

uvex earplug dispenser	
Part No.	AC-PD
Colour	transparent, grey, sky blue
Packaging	1 unit
Earplugs not included.	



AC-BT

uvex earplug hygiene box

- box for hygienic earplug storage
- compact and dirt-resistant design

uvex earplug hygiene box	
Part No.	AC-BT
Colour	transparent
Packaging	50 pieces / box
Earplugs not included.	



WP-CD

uvex whisper+

- easy-to-clean reusable corded earplugs
- smooth, dirt-repellent surface can be easily cleaned using soap and water
- with the cord, the earplugs are conveniently on hand and can be worn comfortably around the neck

uvex whisper+	
Part No.	WP-CD
Design	with cord
Standard	AS/NZS 1270
SLC80	22 dB, Class 4
Colour	lime
Packaging	50 pairs, paired in mini box

SLC80 22 dB, Class 4							
Frequency in Hertz	125	250	500	1000	2000	4000	8000
Mean	25.8	24.7	25.2	24.7	29.3	33.7	39.4
STD. Deviation	6.4	6.4	6.8	5.5	5.7	7.5	7.2
Mean minus SD	19.4	18.3	18.4	19.2	23.6	26.2	32.2



Hearing Protection

Detectable ear plugs · Banded hearing protection



XF-DT

uvex x-fit detec

- disposable earplugs coloured blue (for the food industry) with metal component for easy detection
- suitable for use in high noise environments
- tapered shape matches the ear canal anatomy for comfortable and secure fit
- patented x-grip technology reduces pressure on the ear canal and aids easy, hygienic removal
- sealed PU foam reduces the potential for contamination

uvex x-fit detec	
Part No.	XF-DT
Design	with cord
Standard	AS/NZS 1270
SLC80	26 dB, Class 5
Colour	blue
Packaging	100 pairs

SLC80 26 dB, Class 5							
Frequency in Hertz	125	250	500	1000	2000	4000	8000
Mean	26.0	28.2	28.7	29.0	34.6	39.5	42.3
STD. Deviation	8.2	9.6	8.8	6.7	4.6	6.0	8.6
Mean minus SD	17.7	18.6	20.0	22.3	30.1	33.5	33.7



WP-DT

uvex whisper+ detec

- reusable, detectable pre-shaped plug
- coloured blue with metal component (for the food industry) for easy detection in production areas
- tapered smooth fins fit the natural shape of the ear canal, are comfortable on the skin, reduce pressure for long-term wear and provides a good comfortable seal against external noise
- flat attenuation for excellent speech recognition
- can be washed with soap and water and stored for repeated use

uvex whisper+ detec	
Part No.	WP-DT
Design	with cord
Standard	AS/NZS 1270
SLC80	22 dB, Class 4
Colour	blue
Packaging	50 pairs, paired in mini box

SLC80 22 dB, Class 4							
Frequency in Hertz	125	250	500	1000	2000	4000	8000
Mean	25.8	24.7	25.2	24.7	29.3	33.7	39.4
STD. Deviation	6.4	6.4	6.8	5.5	5.7	7.5	7.2
Mean minus SD	19.4	18.3	18.4	19.2	23.6	26.2	32.2



XA-BD

uvex xact-band

- banded ear protector
- replacement pods available
- replacement earplugs can be dispensed through the standard uvex wall mounted dispenser unit
- ergonomically shaped plugs create a perfect fit
- thumb indentations on the stems for quick and easy fitting
- integrated sound absorbers reduce noise transmission through the band
- extremely low weight – just 4 grams

uvex xact-band		
Part No.	2125.372	XA-RP
Design	earband	replacement pods
Standard	AS/NZS 1270	AS/NZS 1270
SLC80	22 dB, Class 4	22dB, Class 4
Colour	grey/sky blue	lime
Packaging	5	250 pairs, 5 pairs in mini box

SLC80 22 dB, Class 4							
Frequency in Hertz	125	250	500	1000	2000	4000	8000
Mean	25.7	21.4	23.7	25.5	32.5	39.1	37.3
STD. Deviation	5.8	5.5	6.8	7.0	7.3	9.8	8.7
Mean minus SD	19.8	15.9	16.9	18.5	25.2	29.3	28.6

Hearing Protection

Making the right choice is essential

What level of protection is required?

Noise levels in the workplace must be measured first in order to determine what level of protection is required. The Health and Safety professional or external qualified service providers should conduct tests using approved test equipment.

The continuous noise level and, if necessary, the peak emission noise level are measured, enabling a noise profile to be recorded.

Appropriate hearing protection can then be selected using the SLC80 method.

Objective: noise level – SLC80 value

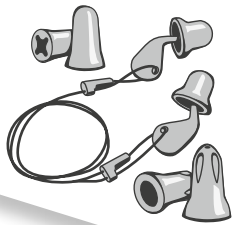
The objective when choosing suitable hearing protection is to achieve an effective residual noise level of between 70 dB and 80 dB for the wearer.

If the protection level is too high (over-protection), this can result in the inability to communicate and the risk of not hearing critical messages, instructions or signals.

Example:

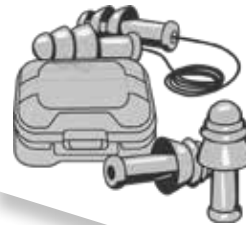
$$\text{Noise level } 100 \text{ dB} - \text{uvex x-fit, SLC80 } 26 \text{ dB} = \mathbf{74 \text{ dB}}$$

RANGE



uvex disposable hearing protection plugs

Outstanding safety for single use: uvex disposable hearing protection plugs offer excellent wearer comfort when worn for long periods.

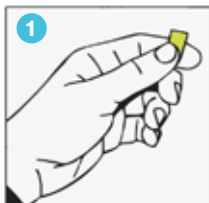


uvex reusable ear plugs

Readily available and easy to clean: uvex reusable ear plugs with hygiene box are reliable companions for your everyday work.

USE

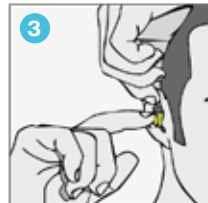
To guarantee optimum hearing protection, ear plugs must be fitted correctly.



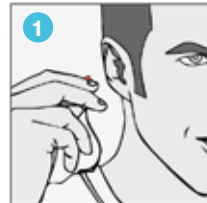
1 Briefly roll down uvex disposable hearing protection plugs.



2 Put your arm over your head and move the ear slightly upwards to straighten your auditory canal. This achieves a better fit.



3 Insert plugs and hold in place while they expand. If they are not visible from the front, then they are in the right position.



1 Take uvex reusable ear plugs by the handles and place the cord around your neck.



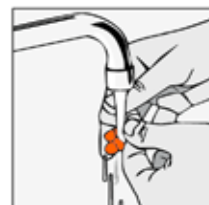
2 Insert ear plugs into the auditory canal, applying gentle pressure.

HYGIENE

In dirty working environments, particles can easily stick to the surface of materials and cause minor injuries in the ears.



Please dispose of disposable ear plugs after each use.



Alternatively, clean them with water and mild soap.



Dry them and store in the uvex hygiene box when not in use.

MORE INFORMATION

Detailed application videos show you how to fit uvex disposable hearing protection plugs properly.



Simply scan in the adjacent QR code with a smartphone or tablet.

You can also watch the application videos online using the following link: uvex-safety.com/plugs

Hearing Protection

K series · Features



Padded headbands for optimum wearer comfort.

Low weight noticeably increases wearing comfort.

Colour coding
An easy to understand traffic light system supports correct product selection.

uvex K series



Length adjustment
Easily adjustable for a perfect fit and optimum protection.



Padded headband
Padded headband for optimum comfort, when worn for long periods.



Memory foam
Wearer comfort guaranteed thanks to extra soft memory foam ear cushions, even when worn for long periods.



Extremely light weight
Ultra low weight makes them comfortable even when worn for extended periods.



Certification
Certified in accordance with EN 352-1, Australian Standard AS/NZS and ANSI.

uvex K200



Length adjustment
Easily adjustable for a customised fit and optimum protection.



Optimum fit
Adjustable headband delivers individual fit and customised protection.



360° rotation
Range of positions possible with 360° capsule rotation. Earmuffs with a headband can be worn under the chin or around the neck.



Dielectric
Non conductive metal-free earmuffs suitable for use in workplace environments with exposure to electrical voltage.

Accessories



Replacement pads
Replacement pads for lasting comfort and hygienic use.



Comfort pads
Self-adhesive comfort pads for maximum comfort, including higher temperature environments.

Hearing Protection Earmuffs



2610.001



uvex K1

- ear muffs with length adjustment
- lightweight with a small cup
- easily adjustable for a perfect fit
- soft surface and padded headband for optimum wearer comfort

uvex K1	
Part No.	2610.001
Design	with length adjustment
Standard	AS/NZS 1270
SLC80	28 dB, Class 5
Colour	black, green
Packaging	1 unit

SLC80 28 dB Class 5							
Frequency in Hertz	125	250	500	1000	2000	4000	8000
Mean	15.8	16.0	26.5	33.9	37.2	39.6	39.7
STD. Deviation	4.1	3.2	3.6	3.1	3.0	3.7	3.8
Mean minus SD	11.7	12.8	22.9	30.8	34.2	35.9	35.9



2610.002



uvex K2

- earmuffs with length adjustment
- lightweight with a small cup
- easily adjustable for a perfect fit
- padded headband for optimum wearer comfort
- extra-soft memory foam ear cushions

uvex K2	
Part No.	2610.002
Design	with length adjustment
Standard	AS/NZS 1270
SLC80	31 dB, Class 5
Colour	black, yellow
Packaging	1 unit

SLC80 31 dB Class 5							
Frequency in Hertz	125	250	500	1000	2000	4000	8000
Mean	17.6	18.5	29.6	36.8	37.2	42.7	41.0
STD. Deviation	4.7	2.9	3.6	3.1	2.9	2.9	3.9
Mean minus SD	12.9	15.6	26.0	33.7	34.3	39.8	37.1

Hearing Protection

Earmuffs



2610.003



uvex K3

- earmuffs with length adjustment
- lightweight with a small cup
- higher protection levels in high-frequency range
- easily adjustable for a perfect fit
- padded headband for optimum wearer comfort
- extra-soft memory foam ear cushions

uvex K3	
Art. no.	2610.003
Design	with length adjustment
Standard	AS/NZS 1270
SLC80	33 dB, Class 5
Colour	black, red
Packaging	1 unit

SLC80 33 dB Class 5								
Frequency in Hertz	125	250	500	1000	2000	4000	8000	
Mean	19.6	21.7	33.6	38.4	37.7	37.3	41.1	
STD. Deviation	2.6	2.9	2.5	2.9	2.9	2.7	2.6	
Mean minus SD	17.0	18.8	31.1	35.5	34.8	34.6	38.5	



2610.004



uvex K4

- optimum protection in extremely noisy environments
- easy length adjustment and optimised headband padding for exceptional wearer comfort
- hi-vis design for improved wearer visibility
- extra-soft memory foam ear cushions

uvex K4	
Part No.	2610.004
Design	with length adjustment
Standard	AS/NZS 1270
SLC80	35 dB, Class 5
Colour	neon lime
Packaging	1 unit

SLC80 35 dB Class 5								
Frequency in Hertz	125	250	500	1000	2000	4000	8000	
Mean	21.7	24.4	35.6	41.0	38.0	43.8	45.7	
STD. Deviation	2.2	2.8	3.0	3.7	3.3	3.2	2.9	
Mean minus SD	19.5	21.6	32.6	37.3	34.7	40.6	42.8	

Hearing Protection

Earmuffs



2610.200



uvex K200

- range of position possible with 360° capsule rotation
- dielectric ear muff
- suitable for use in workplace environments with exposure to electrical voltage
- adjustable headband for a customised fit

uvex K200	
Part No.	2610.200
Design	over the head
Standard	AS/NZS 1270
SLC80	28 dB, Class 5
Colour	black, yellow
Packaging	1 unit

SLC80 28 dB Class 5							
Frequency in Hertz	125	250	500	1000	2000	4000	8000
Mean	15.1	16.6	25.7	32.7	35.2	38.8	39.8
STD. Deviation	4.6	3.2	3.7	2.8	2.9	3.3	3.7
Mean minus SD	10.5	13.4	22.0	29.9	32.3	35.5	36.1



uvex K Series - Hygiene kits

	uvex K series hygiene kits standard	uvex K series hygiene kit premium
Part No.	2599.971	2599.972
Design	accessories for uvex K1, uvex K200, uvex K1H, uvex K junior	accessories for uvex K2, uvex K3, uvex K4
Packaging	1 set	1 set