



DESCRIPTION

The UniSafe RB44 Series is an Australian made Class 5 rated earmuff, available in headband (RB44) and cap attachable (RB44CA) configurations.

Both the RB44 headband and cap attachable earmuffs have safety orange impact acoustic cups for added visibility in the workplace.

The RB44 earmuff maintains an even seal by incorporating a central pivot point cup and high quality cushions. The headband and cap attach arms allow simple fitting adjustment.

The RB44CA cap attachable earmuff slot straight into UniSafe TA500 Series Safety Helmets as an “approved system”.

APPLICATIONS

Suitable for general industrial use where noise levels warrant a medium to high performance hearing protector Class 5. It is recommended for use in noise levels up to 110dB(A), assuming an 85dB(A) criterion.

An RB44 cap attach hearing protector worn in combination with a TA500 series safety helmet provides mandatory head and class 5 hearing protection suitable for many industrial situations.

TECHNICAL DATASHEET



TECHNICAL SPECIFICATIONS

	RB44 HEADBAND	RB44CA CAP ATTACH
		
Cup Material	Injection moulded ABS (plastic)	Injection moulded ABS (plastic)
Headband	Glass reinforced nylon	Glass reinforced nylon
Bracket Arms	Foam filled PVC covered	Foam filled PVC covered
Headband Cushion	Foam	Foam
Colour	Safety Orange	Safety Orange
Weight	222 g	200 g
Clamping Force	11.2 N	12.2 N
Ratings	Class 5 29dB(A)	Class 5 29dB(A)

TECHNICAL DATASHEET



ATTENUATION DATA

RB44 Headband

CLASS 5	SLC ₈₀ VALUE IS 29.0						
Frequency (HZ)	125	250	500	1000	2000	4000	8000
Mean Attenuation	13.5	22.3	33.4	38.8	37.1	33.5	35.4
Standard Deviation	4.4	6.6	5.9	5.8	5.3	4.5	7.1
Mean Standard Deviation	9.1	15.7	27.5	33.0	31.8	29.0	28.3

RB44CA Cap Attach

CLASS 5	SLC ₈₀ VALUE IS 29.0						
Frequency (HZ)	125	250	500	1000	2000	4000	8000
Mean Attenuation	11.4	18.0	29.6	36.3	34.5	34.8	34.5
Standard Deviation	4.0	2.9	2.9	2.4	2.9	2.8	4.8
Mean Standard Deviation	7.0	15.1	27.3	33.6	31.6	32.0	29.7

These UniSafe earmuffs were tested in combination with UniSafe TA500 Series industrial safety helmets and may give different levels of protection if fitted to other manufacturers safety helmets.

Hearing protector class 5 tested to AS/NZS 1270. When selected, used and maintained as specified in AS/NZS 1269, this protector may be used in noise up to 110dB(A) assuming an 85dB(A) criterion.

A lower criterion may require a higher protector class.

WARNING

Performance will be reduced by anything that impairs the seal of the cushions against the head eg. thick spectacle frames, balaclavas, etc.

The reported attenuation (noise reduction) will only be obtained if the earmuffs are in good working order and worn as directed.

TECHNICAL DATASHEET



APPROVAL INFORMATION

Certified to AS/NZS 1270:2002

SLC₈₀ AND THE CLASS SYSTEM

SLC₈₀ is the rating number used in Australia and New Zealand.

Users are advised to only use SLC₈₀ when selecting their earmuffs or earplugs.

Depending on the SLC rating, a Class is assigned:

- A Class 1 protector may be used up to 90dB
- A Class 2 protector to 95dB
- A Class 3 protector to 100dB
- A Class 4 protector to 105dB
- A Class 5 protector to 110dB

SYMBOL	DEFINITION	WHERE USED
SLC80	Sound Level Conversion	Australia / New Zealand
NRR	Noise Reduction Rating	United States
SNR	Single Number Rating	European Union

FITTING

Remove hair or any obstruction from underneath the cushion.

If spectacles are worn, cushions must be soft and subtle to ensure seal. If safety spectacles are worn in combination a thin side arm spectacle is preferable.

If a Safety Helmet is worn with cap attachable earmuffs the helmet should have contoured sides.

TECHNICAL DATASHEET



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
RB44	Headband Universal Orange Earmuff Class 5 29dB(A)
RB44CA	Cap Attachable Universal Orange Earmuff Class 5 29dB(A)

MAINTENANCE/CLEANING

Hearing protectors should be inspected prior to use for damage or deterioration. Damaged or worn parts should be replaced prior to use.

The noise reduction will only be obtained if the earmuffs are in good order and worn as directed.

Regular cleaning using warm water and soap. Components should be dried prior to use. Mild detergent and hygiene wipes can be used on this product, however some products may harden or damage the cushion.

Hygiene kit/cushions should be replaced when the cushion show signs of damage or hardening.

STORAGE

Store in an area free of contamination.

Do not leave your hearing protection device in areas or locations where it can be exposed to damage or contamination.

Sunlight is particularly damaging as UV light can have a detrimental effect on the materials the product is made from.

Chemical contamination can also have a serious effect on product integrity and decontamination after use is recommended.

Use a suitable storage container especially if left in a vehicle. This will protect the hearing protection device from damage and extend its working life.

DISPOSAL

If the product is to be disposed of, it should be disassembled and disposed of as solid waste. Please see local authority regulations for disposal advice and locations.