



Protector

TECHNICAL DATASHEET

SECURE NECKBAND EARMUFFS



DESCRIPTION

The Protector Secure neckband style earmuff offers great versatility to the user. A perfect solution when you need hearing protection in conjunction with bump caps, safety helmets without attachment slots or head mounted face protection etc.

The strong flexible neckband balances the weight around and behind the neck, keeping an even and comfortable pressure over the ears.

Colour coding for easy identification and performance selection;

- **Blue** - medium noise performance (SECURE 1)
- **Yellow or Hi Vis** - medium to high noise performance (SECURE 2)
- **Green** - high noise performance (SECURE 3)

APPLICATIONS

Suitable for continuous and intermittent use by persons exposed to industrial noise situations up to 110dB(A), assuming an 85dB(A) criterion.

SECURE 1 (Blue) is a very lightweight and comfortable hearing protector. For work environments with a low to medium noise level, such as; landscaping, industrial work, traffic work etc.

SECURE 2 (Yellow & Hi-Vis) is the perfect hearing protector for a wide variety of applications such as; construction work, forestry work, industrial work, carpentry, etc.

SECURE 3 (Green) is the choice when nothing else will do. Great attenuation performance and still with a comfortable and slim fit. For extremely noisy environments such as; airport ground crew, motor racing, drill hammering, etc.

TECHNICAL DATASHEET



TECHNICAL SPECIFICATIONS

	SECURE 1 NB	SECURE 2 NB	SECURE 3 NB
			
Cup Material	Injection moulded ABS (plastic)	Injection moulded ABS (plastic)	Injection moulded ABS (plastic)
Headband	POM	POM	POM
Bracket Arms	Glass reinforced nylon	Glass reinforced nylon	Glass reinforced nylon
Headband Cushion	Polyether	Polyether	Polyether
Liner	Foam	Foam	Foam
Colour	Blue	Yellow or Hi Vis	Green
Weight	192 g	215 g	240 g
Clamping Force	12.9N	12.9N	12.9N
Ratings	Class 4 25dB(A)	Class 5 29dB(A)	Class 5 31dB(A)

TECHNICAL DATASHEET



ATTENUATION DATA

ENBS1 Neckband (Blue)

CLASS 4	SLC₈₀ VALUE IS 25.0						
Frequency (HZ)	125	250	500	1000	2000	4000	8000
Mean Attenuation	13.5	17.3	23.7	32.3	30.8	35.7	35.3
Standard Deviation	4.4	4.1	5.1	4.5	3.5	4.2	5.4
Mean Standard Deviation	9.1	13.2	18.6	27.8	27.3	31.5	29.9

ENBS2 & ENBS2-HIVIS Neckband (Yellow or Hi Vis)

CLASS 5	SLC₈₀ VALUE IS 29.0						
Frequency (HZ)	125	250	500	1000	2000	4000	8000
Mean Attenuation	12.8	20.5	28.1	35.9	34.3	35.7	38.1
Standard Deviation	4.2	4.4	4.1	6.7	3.0	5.3	4.8
Mean Standard Deviation	8.6	16.1	24.0	29.2	31.3	30.4	33.3

ENBS3 Neckband (Green)

CLASS 5	SLC₈₀ VALUE IS 31.0						
Frequency (HZ)	125	250	500	1000	2000	4000	8000
Mean Attenuation	19.2	24.5	31.1	36.9	33.2	39.0	40.1
Standard Deviation	3.0	2.4	2.7	2.8	4.2	4.1	4.4
Mean Standard Deviation	6.2	22.1	28.4	34.1	29.0	34.9	35.7

Hearing protector class 4 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 105dB(A).

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.

TECHNICAL DATASHEET



Protector

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.

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.

TECHNICAL DATASHEET



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
ENBS1	Secure 1 Neckband Earmuff Class 4 25dB(A) - Blue
ENBS2	Secure 2 Neckband Earmuff Class 5 29dB(A) - Yellow
ENBS2-HIVIS	Secure 2 Neckband Earmuff Class 5 29dB(A) - Hi-Vis
ENBS3	Secure 3 Neckband Earmuff Class 5 31dB(A) - Green

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.