ITEM NO.	Material	Dimension	Printing color	Revised date	Number of times	Designer
	白 纸	182x257mm	K	28/11/2024		

49259 • 216599 Foldable Ear Defenders User Instruction

Manufacturer information:
Imported by Toolstation (Company number 04372131)
Toolstation is a Travis Perkins company
Northampton NN5 7UA

Intended Use:
49259 • 216599 over-head ear defenders are designed to cover the ears to help reduce exposure to hazardous levels of noise and other loud sounds, in accordance with EN 352-1:2020.
These products are classed as Personal Protective Equipment (PPE) by the European PPE Regulation (EU) 2016/425 and have been shown to comply with this regulation through the Harmonized European Standard EN 352-1:2020.

Precautions:
- The ear defenders are reusable, regular use of your ear defenders can cause wear, especially to the ear pads.
- The ear defenders are adjustable size and will fit the majority of users (Size: S, M, L).
- Regularly check the condition of your hearing protectors before use.
- Do not use your hearing protectors if you see any signs of damage (cracking, etc.).
- The use of hygienic covers over your ear pads may alter the attenuation performance. Put your hearing protectors on as soon as you begin to be exposed to noise. Keep your hearing protectors on for the duration of your noise exposure.
- Do not expose your hearing protectors to temperatures above 50°C and below -10°C.
- The ear defenders are fitted, adjusted and maintained in accordance with the manufacturer's instructions.
- The product may be adversely affected by certain chemical substances. Refer to the manufacturer for further information.
- If the recommendations given are not adhered to, the protection afforded by the ear defenders will be severely impaired.

Fitting Instructions:
1. Place the ear pads over your ears by placing the headband over your head.
2. Adjust the headband so cushions exert even pressure around the ears to get the best noise reduction. Ear defenders must fully enclose the ears to seal against the head. Pull hair back and out from beneath the cushions. Don't store pencils or wear caps under cushions. Thick or poorly fitting eyeglass temples may also cause some loss in noise reduction.

The wearer should ensure:
1. The ear defenders are fitted, adjusted and maintained in accordance with the manufacturer's instructions.
2. The ear defenders are worn at all times in noisy surroundings.
3. The ear defenders are regularly inspected for serviceability.

Caution:
Ear defenders must be worn properly to reduce noise effectively. Read and follow all fitting and use instructions. Failure to follow fitting instructions may result in hearing loss. Do not modify your earmuffs. You may get much less protection and may develop a hearing loss if you bend, alter, or modify any part of the headband, cups, inserts or ear cup cushions. The fitting of hygiene covers to the cushions may affect the acoustic performance of the ear defenders.
Do not use the 49259 • 216599 ear defenders with any other respirator systems or hard hat. Failure to fit and use earmuffs according to these instructions will reduce their effectiveness. Failure to wear hearing protectors 100% of the time you are exposed to hazardous noise may dramatically increase your noise exposure and your risk of developing hearing loss.

Attenuation Values:

Frequency [Hz]	Result		
	Sound attenuation M_f[dB]	Standard deviation S_f[dB]	APV M_f- S_f[dB]
63	17.7	5.2	12.4
125	16.9	3.3	13.6
250	21.8	3.8	18.0
500	29.6	3.6	26.0
1000	36.5	3.5	33.0
2000	36.1	3.4	32.7
4000	36.0	3.3	32.7
8000	34.3	5.6	28.7

H = average high frequency attenuation (High)
M = average middle frequency attenuation (Mid)
L = average low frequency attenuation (Low)

SNR-value =	**29 dB**

H-value =	**32 dB**
M-value =	**28 dB**
L-value =	**20 dB**

Technical Data:
Ear defenders capsule: ABS
Other Material: Sponge, Steel wire, PA
Headband: POM
Cushion: PVC
Color of capsule: Red
Size: S, M, L (adjustable)
Weight (gr): 232g
Headband Style: Over-Head
No spare part, the cushion can't be replaced

Selecting Hearing Protectors:
The most critical consideration in selecting and using hearing protectors is your ability to fit the protectors so that they provide a comfortable noise-blocking seal that can be consistently maintained during all noise exposures. Other important considerations include hearing protector noise reduction; your daily noise exposure; variations in the noise level; your preference; communication needs; hearing loss (if any); compatibility with other safety equipment; your physical abilities; climate and other working conditions; and replacement, care and use requirements.

Estimating Noise Reduction for Individual Users:
The noise reduction ratings are based on laboratory tests. It is not possible to use these ratings to reliably predict levels of protection you will achieve in a specific environment. If you are wearing hearing protectors for occupational noise exposure, you should be enrolled in a hearing conservation program. If you are wearing hearing protectors for protection from noise outside of your work, you should have a hearing evaluation by an audiologist, physician, or other qualified professional, on a regular basis.

Comparing the Ratings of Different Hearing Protectors:
Differences between hearing protector ratings of less than 3dB are not important. Far more important, is the amount of time you wear the hearing protectors relative to the amount of time you are exposed to noise.

Packaging and Storage:
One ear defenders packed in an easy-open color box.
Please always transport the earmuff in the original packaging.
When the headgear is not being used, pull down the ear defenders and press into the working position. Keep the ear defenders clean and dry and store at normal room temperature in a clean uncontaminated area.
Ear defenders, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and leakage.

CE Marking:
MAVERICK SAFETY
CE 2834
49259 • 216599 EN352-1
SNR: 29dB
MM/YYYY
Maverick: Trademark
EN352-1: European standard
49259 • 216599: Model number
SNR: SNR value
CE : CE marking
2834: Notified body number
MM/YYYY: Manufacturing date

Maintenance:
1. Check the ear cup cushions, arm connection points and the hard plastic ear cup before each use. If the ear defenders cushions are stiff, torn, or damaged, or if the ear cup or arm connection points are damaged or worn in any way, discard the ear defenders and select a new pair.
2. Clean the ear defenders as needed using a damp cloth. Do not immerse the ear defenders in water or other cleaning solutions. Do not clean ear defenders with lanolin or strong solvents such as MEK, acetone or toluene.
3. Always check the ear defenders for damages before use. Any damaged / worn products should be discarded. The period of obsolescence of this product is 3 years.

Notified Body:
CCQS Certification Services Limited (NB2834)
Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15 D15 AKK1 Dublin Ireland
The EU Declarations of Conformity is available on website: www.toolstation.com / www.travisperkins.co.uk