

Helmet Earmuff 27dB - Class 5

HRE646

Product Overview

Introducing the new Maxisafe Helmet Earmuffs are designed to provide superior hearing protection in demanding work environments. This technical sheet outlines the key features and specifications of the earmuffs, ensuring you have all the necessary information to understand their benefits and proper usage. Certified to AS/NZS 1270:2002 standards with an SLC₈₀ rating of 27dB, these earmuffs offer reliable noise reduction, comfort, and compatibility with various hard hats.

Product Features

- **Certified Safety:** Certified with AS/NZS 1270:2002 standards, SMK 41381.
- **Noise Reduction:** SLC₈₀ rating of 27dB.
- **Comfortable cushions:** Robust and comfortable TPU earmuff cushions.
- **Adjustable fit:** Incremental height adjustment for a perfect fit.
- **Hard hat compatibility:** Suits hard hats with 25mm & 30mm earmuff slots.

Maintenance and Cleaning Instructions

- Clean the outside of the earmuff regularly with soap and luke warm water. Do not immerse in water.
- Do not store the earmuff in temperature above 55°C (130°F), for example behind a windshield or window.
- Earmuffs must be regularly inspected for cracked or worn parts and replaced as needed, typical life for foam cushions is 6 months.
- This product contains metallic components that may increase electricity hazards.
- Earmuff cushions may deteriorate with use and are recommended to be replaced at least twice a year to ensure constant attenuation, hygiene and comfort levels

Storage

Before and after using earmuffs store them in a clean and dust free place.

Applications

- Agriculture & Forestry • Chemical • Construction
- Manufacturing • Metal Processing • Mining • Military
- Municipal Services • Transportation • Welding • Woodworking



Standards & Certification

Certified to AS/NZS 1270:2002



Packaging Information

Pack quantity: 1 pair

Carton quantity: 20 boxes

Ordering Information

Product Code:	Description
HRE646	Maxisafe Helmet Earmuff 27dB

Helmet Earmuff

Sound Attenuation Values

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 105dB, assuming an 85dB criterion. A lower criterion may require a higher protector class.

Frequency (HZ)	125	250	500	1000	2000	4000	8000	Clamping Force	SLC ₈₀	Class	Weight
Mean (dB)	14.9	17.5	28.8	33.4	31.4	34.9	38.1	10.7N	28dB	5	348g
SD (dB)	3.3	2.5	3.1	2.4	3.0	3.1	3.7				
Mean-SD (dB)	11.6	15.0	22.7	31.0	28.4	31.8	34.4				

Important Note: SLC₈₀ rating could be different in your ears as each canal is different so it is hard to get accurate readings.

Noise	Class	Noise Levels
Sandblasting / Jack Hammers	5	105 to less than 110
Chainsaws / Fire Pumps	4	100 to less than 105
Lawnmowers/Grinders	3	95 to less than 100
Inside Truck	2	90 to less than 95
Engine Room	1	less than 90

Determination of Class:					
Class	1	2	3	4	5
SLC ₈₀ dB	10-13	14-17	18-21	22-25	26 or greater

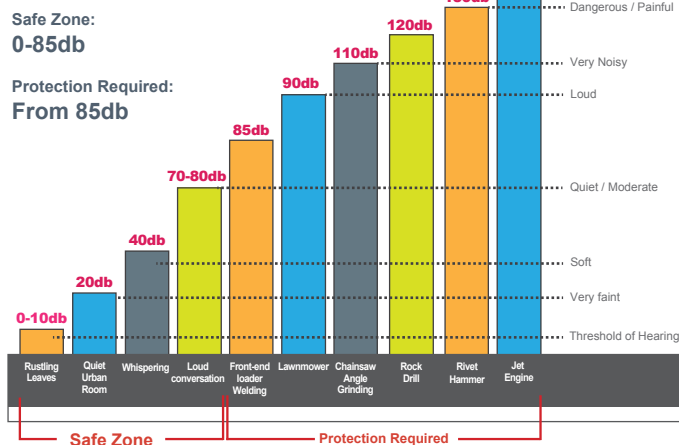
WARNING : The reported attenuation of the Maxisafe ear plugs will only be obtained if it is in good condition and is fitted as directed. Reference should be made to AS/NZS: 1270:2002 to ensure the correct selection and use of protector.

Common noise sources and their typical sound levels

Typical sound level in db	Sound source
140	Jet engine at 30m (pain can be felt at this threshold)
130	Rivet hammer (pain can be felt at this threshold)
120	Rock drill
110	Chain saw Angle grinding
100	Sheet-metal workshop
90	Lawn-mower
85	Front-end loader Listening to a personal music player in a quiet room
80	Kerbside heavy traffic Lathe Welding
70	Loud conversation
60	Normal conversation
40	Quiet radio music
30	Whispering
20	Quiet urban room
10	Rustling leaves
0	Hearing threshold

Taken from Compliance Code Noise - Edition 2

Understanding Noise and Sound Levels WORK SCALE



Noise is considered **Health Hazard #4** according to Worksafe Victoria
<https://www.worksafe.vic.gov.au/noise>

For more details download a copy of Compliance Code Noise Edition 2, 2019
 (Part 3 -Duties of Employers)
<https://www.worksafe.vic.gov.au/resources/compliance-code-noise>

At Maxisafe, we pursue the highest standards in PPE to keep Australian workers safe. Our goal is to become the brand Australian workers trust to ensure their safety, by making workplaces safer, healthier, and more productive.