SONIS® HELMET-MOUNTED EAR DEFENDER RANGE

EAR DEFENDERS AVAILABLE IN 3 MODELS: SONIS®1, SONIS®C AND SONIS®3

TECHNICAL SPECIFICATION

HEARING PROTECTION

INSTRUCTIONS FOR USE

- Fit the ear defender attachments to the universal slots on your helmet
- Pull cups to maximum extension and set arms in "stand by" position.
- Press wire bands inwards until you hear a click on both sides
- Adjust cups by sliding up or down



MATERIALS

- ABS Cups
- Foam/PET combination cushions
- Stainless steel wire
- Acetal & Nylon helmet-mounting

LIMITATIONS OF USE

- Protection will only be offered if the helmet and ear defenders are fitted correctly
- Ear pads may deteriorate with use and should be examined at frequent intervals
- Do not apply paint, solvents, adhesives or self-adhesive labels , except in accordance with instructions from the manufacturer
- The ear pads, when in contact with the skin may cause allergic reactions to susceptible individuals
- If this occurs leave the hazard area, remove the ear defender and seek medical advice
- If the ear defenders are to be worn for long periods the noise level must be reduced to 80dB
- Before selection of a suitable ear defender a noise survey should be carried out
- Spectacle frames and hair between the ear pads and the head may affect the performance of the ear defender
- Hearing Protection should be used in accordance with the local legislation in force at time of use

SONIS® FEATURES & BENEFITS

- Fits JSP range of EVO helmets, including: EVO2, EVO3, EVO5, EVO6100, EVOLite, & EVOLite Skyworker
- Hygienic: Hygiene kits are available for each model and the product is easy to wipe clean.
- Colour coding: The Sonis® ear defenders range has been designed with a colour code system for simple selection.
- Also available in extra visibility version



DIMENSIONS OF EAR DEFENDERS

Sonis®1:

- Depth: 60mm
- Width: 100mm
- Height: 160mm
- Weight: 239g (Approx.)

Sonis®C

- Depth: 60mm
- Width: 100mm
- Height: 160mm
- Weight: 256g (Approx.)

Sonis®3

- Depth: 85mm
- Width: 100mm
- Height: 160mm
- Weight: 383g (Approx.)



CONFORMITY

- Conforms to EN 352-3:2002
- EC Certificate Number 662532
- Kitemark Number KM 662534

SONIS® HELMET-MOUNTED EAR DEFENDER RANGE

EAR DEFENDERS AVAILABLE IN 3 CUP SIZES: SONIS®1, SONIS®C, SONIS®3

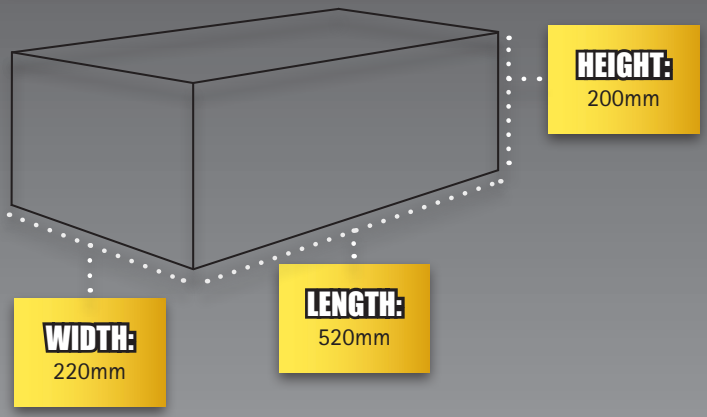
TECHNICAL SPECIFICATION

HEARING PROTECTION

DIMENSIONS OF OUTER PACKAGING

Sonis®1 & Sonis®C:

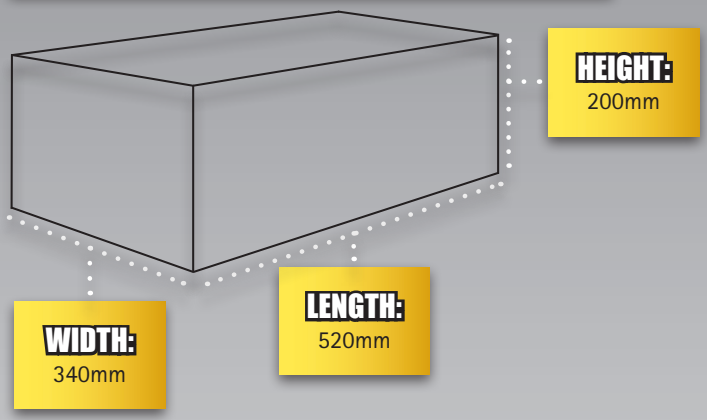
Quantity: 10 Weight: 9.6kg (Approx.)



DIMENSIONS OF OUTER PACKAGING

Sonis®3:

Quantity: 10 Weight: 9.6kg (Approx.)



CLEANING & MAINTENANCE

Clean with soap and warm water and dry with a soft cloth

Do not use chemical or abrasive cleaners

Store out of direct sunlight, away from chemicals and not exposed to extremes of temperature

PERFORMANCE

SONIS®1 EAR DEFENDERS

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	12.4	14.5	13.1	25.5	33.0	34.5	35.0	37.5
Standard Deviation (dB)	3.0	3.3	2.2	1.9	3.6	2.8	3.1	4.5
Assumed Protection (dB)	9.3	11.2	10.9	23.6	29.4	31.7	31.9	33.0
	H=32		M=23		L=15		SNR=26	

SONIS®C EAR DEFENDERS

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	14.4	15.6	21.3	28.0	35.1	36.5	41.9	44.3
Standard Deviation (dB)	2.7	2.7	2.0	1.9	4.3	3.0	3.5	3.3
Assumed Protection (dB)	11.7	13.0	19.2	26.1	30.9	33.5	38.3	40.9
	H=35		M=28		L=20		SNR=31	

SONIS®3 EAR DEFENDERS

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.3	21.8	28.0	38.3	44.5	39.5	40.5	39.5
Standard Deviation (dB)	3.6	2.5	1.6	4.2	4.0	4.5	3.1	2.8
Assumed Protection (dB)	14.6	19.2	26.4	34.1	40.5	35.0	37.4	36.7
	H=37		M=35		L=26		SNR=36	



™SONIS