

#### 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.

#### 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

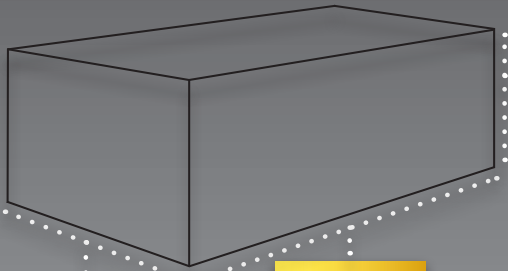
## TECHNICAL SPECIFICATION

### HEARING PROTECTION

#### DIMENSIONS OF OUTER PACKAGING

Sonis®1 & Sonis®C:

Quantity: 10 Weight: 9.6kg (Approx.)



**HEIGHT:**  
200mm

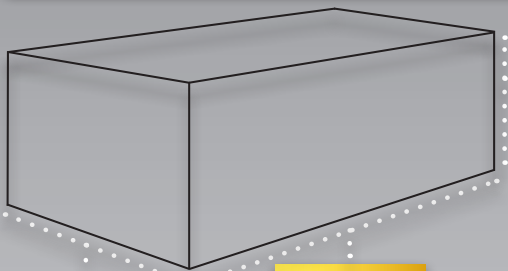
**WIDTH:**  
220mm

**LENGTH:**  
520mm

#### DIMENSIONS OF OUTER PACKAGING

Sonis®3:

Quantity: 10 Weight: 9.6kg (Approx.)



**HEIGHT:**  
200mm

**WIDTH:**  
340mm

**LENGTH:**  
520mm

#### 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	

