



TECHNICAL SPECIFICATION

Technical Service Department,
JSP Ltd., Worsham Mill, Minster
Lovell, Oxford, OX29 0TA
Tel.: 01993 824000
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Big Ear Defenders

Conformity:

Conforms to EN 352-1. EC Certificate Number 0702, issued by BSi Product Certification.



Fitted Over The Head



Fitted Behind The Head



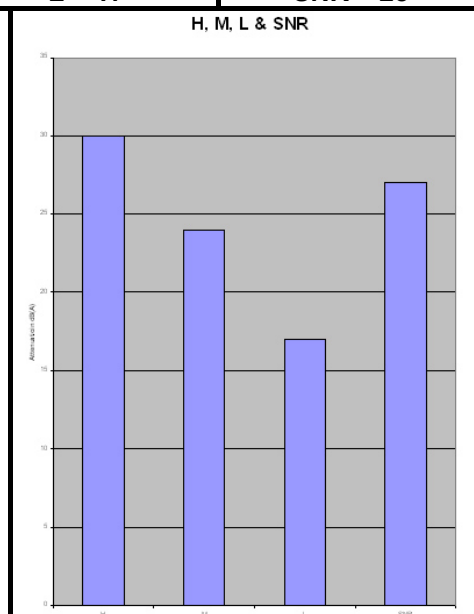
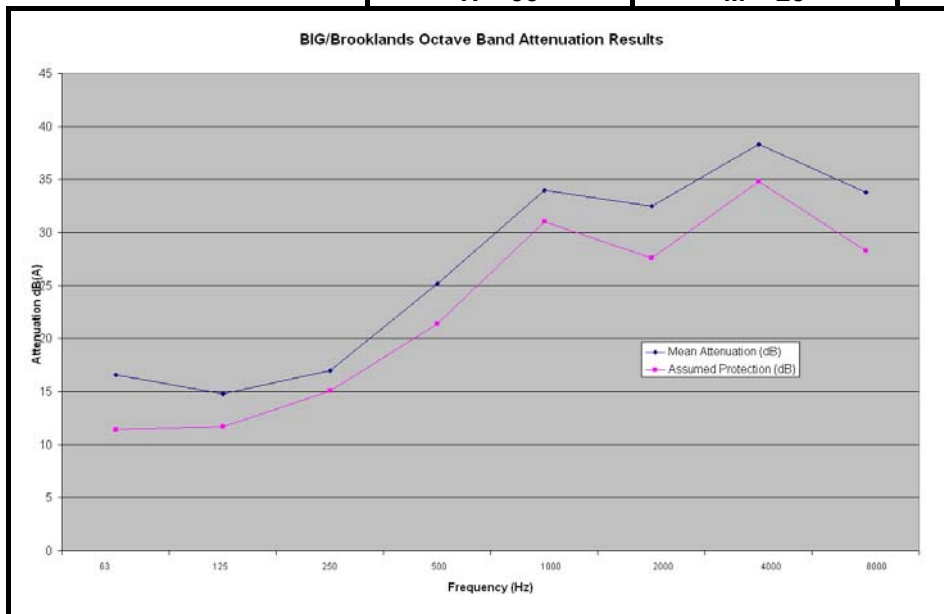
Size & Weights: Ear Defender Cup Open Area 44mm x 70mm
Weight 0.23Kg

All size and weights
are approx

Performance:

OVER HEAD

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	16.1	13.6	17.6	24.1	37.3	33.9	38.8	37.6
Standard Deviation (dB)	4.3	2.9	2.4	2.0	3.2	2.7	2.9	3.0
Assumed Protection (dB)	11.8	10.7	15.2	22.1	34.1	31.2	35.9	34.6
	H = 33		M = 25		L = 17		SNR = 28	



Manufacturing For Safety



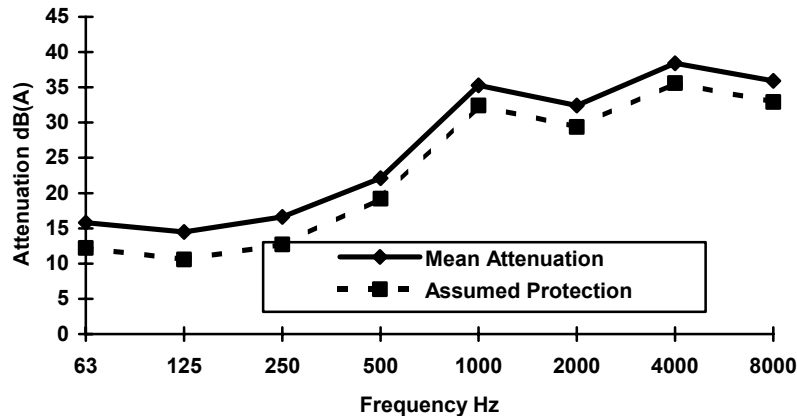
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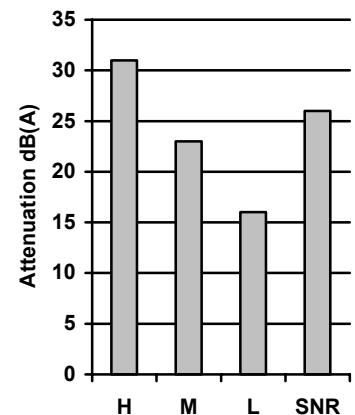
Performance: BEHIND HEAD

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	15.8	14.5	16.6	22.1	35.3	32.4	38.4	35.9
Standard Deviation (dB)	3.6	3.9	3.9	2.9	2.9	3.0	2.8	3.0
Assumed Protection (dB)	12.2	10.6	12.7	19.2	32.4	29.4	35.6	32.9
	H = 31		M = 23		L = 16		SNR = 26	

Octave Band Attenuation Results



H, M, L & SNR



Instructions For Use:

Position the ear defender cups at the bottom of the slots in the headband. Fit the cups over the ears, with the marking "TOP" above the ear. Slide the headband down until it touches the head. Can be worn with a safety helmet by placing the headband behind the head and placing the supplied support strap over the head under the helmet.

Materials:

Ear Defenders ABS Cups
Polypropylene Head Band
Open cell foam inserts
PVC covered open cell foam pads
PVC covered open cell foam Head Band
Cover
Polythene behind the Head, Head Band

Limitations Of Use:

Protection will only be offered if the ear defender and the unit are fitted correctly. Ear pads may deteriorate with use and should be examined at frequent intervals. The pads are available as a spare part. 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 helmet and seek medical advice.

Notes:

- If the ear defender is 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 European Physical Agents (Noise) Directive 2003/10/EC

Cleaning & Maintenance:

The ear defenders may be cleaned with soap and warm water and dried with a soft cloth. The ear defenders should not be cleaned with chemical or abrasive cleaners. Store out of direct sunlight, away from chemicals and not exposed to extremes of temperature.