

TECHNICAL DATASHEET

HELMET MOUNTED ABS EAR DEFENDERS



PRODUCT CODE:
HW6320

Product:
Soft pad comfort ABS ear defenders designed to fit the Betafit helmets.

Key Features:

- Heavy duty defender suitable for demanding industrial application.
- Durable and adjustable for a comfortable fit.
- Can be folded upwards to be off your ears.
- Lightweight and sturdy, made from ABS, with no exposed metal.

PRODUCT TYPE:
Helmet Mounted
Ear Defenders

STANDARDS:
EN352-3:2020
SNR 32dB

BOX QUANTITY:
1

CASE QUANTITY:
20

Sectors:

- Construction & Infrastructure Development
- Civil & Structural Engineering
- Utilities, Maintenance & Renewable Energy
- Oil, Gas, Mining & Natural Resources
- Logistics, Supply Chain & Transportation
- Automotive & Aerospace Industries
- General & Industrial Engineering
- Consumer Goods, Food & Beverage, Paper, Packaging, Recycling & Agriculture
- Petroleum & Energy Sector

Safety Standards:

EN 352-3 is the European safety standard that specifies requirements for ear defenders that are designed to be mounted on helmets or face-protection devices (i.e. they cannot be used standalone). It covers aspects of design, construction, performance (both physical and acoustic), marking and user information..

EN 352-3:2020

- Applies to ear defenders that fully enclose the ears with sound-attenuating cups.
- Covers design, construction, performance, and marking requirements.
- The performance and certification claims for an ear defender only apply to the carrier(s) it was tested with; one cannot assume the same performance when used with an untested helmet or adaptor.

Care Instructions:

Use mild soap and warm water to clean. Avoid strong solvents, abrasives, or chemical cleaners. Wipe dry with a soft cloth.

Store in a cool, dry place, away from: Direct sunlight, Chemicals or vapors, Extreme temperatures.

Do not store under heavy objects that may deform the product.

Before each use, check for: Cracks, dents, or deformities. Brittle or faded plastic.

Replace immediately if any defects are found.

Attenuation Data:

All measurements made in accordance with EN 352-3:2020

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.7	18.7	22.3	31.5	37.6	37.2	37.4	38.5
Standard Deviation (dB)	4.4	3.3	3.4	2.8	2.6	2.7	3.1	3.2
APV Value (dB)	14.3	15.4	18.9	28.7	34.9	34.5	34.3	35.3

	H(dB)	35	M(dB)	29	L(dB)	22	SNR(dB)	32
Average Values	Hm(dB)	37.5	Mm(dB)	32.1	Lm(dB)	24.7	SNRm(dB)	34.0
Standard Deviation	Hs(dB)	2.4	Ms(dB)	2.7	Ls(dB)	3.2	SNRs(dB)	2.5

SNR: 32dB H:35dB M:29dB L:22dB

Size Range: Small/Medium/Large

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