

TECHNICAL DATASHEET

ZONE - INDUSTRIAL HELMET MOUNT EAR DEFENDERS



DESCRIPTION

Zone Industrial ear defenders deliver optimum and even cushion pressure, giving the right balance between protection and comfort. Flexible and quick to adapt, Zone 30mm helmet attachment posts are fitted as standard, with a spare pair of 25mm posts also included to cover all Scott Safety Helmet options. Helmet mounted versions can be placed in airing or rest positions and feature a low profile, twin stirrup design for reduced snagging and consistent noise blocking performance. All Zone ear defenders are designed with intuitive and bright safety colour ear cup inserts and spacers which are designed to aid ease of selection and assist during safety checks on employees.

APPLICATIONS

The Zone Industrial range is suitable for a wide range of industrial applications that require 'noise blocking' or 'passive' hearing protection including machine operation, maintenance, DIY, operating power tools, asphaltting or general construction.

ATTENUATION

Zone 1	Environments with low to medium noise levels.
Zone 2	Environments with medium to high noise levels.
Zone 3	Environments with extreme high noise levels.

APPROVALS

CE Certified to EN352-3:2002

MAINTENANCE

Zone earmuffs should be inspected prior to use for deterioration or damage and if found to be defective they should be replaced. Regular washing with warm water and mild soap is all that is required to prevent the buildup of dirt, dust and skin particles. Prior to washing, the cushions and foam liners should be removed. The use of solvents and harsh abrasives is not recommended. Replacement cushions and acoustic foam available to maintain performance.

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COMPONENT MATERIAL

1 - Cup shell	Acrylonitrile Butadiene Styrene (ABS)
2 - Spacer	Acrylonitrile Butadiene Styrene (ABS)
3 - Shield Insert	Acrylonitrile Butadiene Styrene (ABS)
4 - Buckle (Stirrup)	Polyacetal (POM)
5 - Spring arm	Polyacetal (POM)
6 - Spring housing	PBT, 20% glass fiber
7 - Spring (inside)	Stainless steel
8 - Foam	Polyether
9 - Cushion	Polyether, PVC
10 - Slot adaptor	Polyacetal (POM), 10% glass fiber



TECHNICAL SPECIFICATION

	Zone 1			Zone 2			Zone 3		
Part No.	Z1IHME - 2023678			Z2IHME - 2023679			Z3IHME - 2023680		
Weight	238 g			259 g			302 g		
Colour	Black / Yellow Pantone equivalent 1235C			Black / Orange Pantone equivalent 1505C			Black / Red Pantone equivalent 1805C		
Cushion Pressure	Small 3232Pa	Medium 3509Pa	Large 3529Pa	Small 3206Pa	Medium 3544Pa	Large 3390Pa	Small 3383Pa	Medium 3508Pa	Large 3496Pa
Headband Force	Small 12.0N	Medium 13.3N	Large 13.3N	Small 12.1N	Medium 13.3N	Large 12.8N	Small 12.6N	Medium 13.3N	Large 12.7N

PERFORMANCE

Zone 1

Freq. Hz	63	125	250	500	1k	2k	3.15k	4k	6.3k	8k	H	M	L	SNR
Mean value	12.2	10.8	19.5	25.4	34.2	31.4	30.8	34.4	35.3	34.9				
1 std. Deviation	4.7	2.9	2.7	3.0	3.2	3.6	2.9	3.2	2.5	3.2	30	25	16	27
APV	7.5	7.9	16.8	22.4	31.0	27.8	27.9	31.2	32.8	31.7				

Zone 2

Freq. Hz	63	125	250	500	1k	2k	3.15k	4k	6.3k	8k	H	M	L	SNR
Mean value	13.2	12.7	22.3	28.6	34.2	32.5	33.1	35.5	39.2	38.6				
1 std. Deviation	4.8	3.2	3.0	3.1	3.4	3.2	2.8	2.4	2.5	3.7	32	27	18	29
APV	8.4	9.4	19.3	25.5	30.8	29.3	30.2	33.0	36.7	34.9				

Zone 3

Freq. Hz	63	125	250	500	1k	2k	3.15k	4k	6.3k	8k	H	M	L	SNR
Mean value	15.4	16.1	25.9	31.6	38.6	34.0	35.6	41.2	42.1	40.5				
1 std. Deviation	4.2	3.1	3.2	3.5	3.5	3.2	3.2	3.2	3.7	3.8	34	30	21	32
APV	11.2	13.0	22.7	28.1	35.1	30.8	32.4	38.0	38.4	36.7				



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.