Technical Data Sheet
Revision 2, October 2026

3M™ PELTOR™ X Series Earmuffs P3

Product description

The 3M™ PELTOR™ X Series Earmuffs are available in multiple design styles, including headband and attachable models suitable for mounting on to carriers. The word carrier used in this document refers to head protection, face protection and/or non-protective devices. When correctly selected and worn these products can help to reduce exposure to hazardous levels of noise.



X1P3



X2P3



X4P3



X5P3

Standards and approvals

Hereby, 3M Svenska AB declares that the product is in compliance with appropriate Directives or Regulations to fulfil the requirements for the CE marking. The full text of the Declaration of Conformity is available at the following internet address: www.3M.com/PELTOR/DOC.

A copy of the Declaration of Conformity and additional information required in the Directives or Regulations can also be obtained by contacting 3M in the country of purchase.

Personal Safety Division User Instruction Selector is available at; 3M.com/userinstructions

Please note this site is subject to updates and may not have all user instructions available. If you cannot find your online user instruction, please reference the printed user instruction that was shipped with the product.

3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations and guidance on how to adjust attenuation label value(s). In the absence of applicable regulations, it is recommended that the attenuation label value(s) be reduced to better estimate typical protection.

Key features

- Lightweight design (lightest version 185g)
- Attachable version fits directly to many carriers without the need for a change of adapter
- Innovative foam earcup inserts and spacer help boost attenuation and protect against low frequencies (X4, X5)
- Despite larger earcups, X5 is lightweight with excellent balance and comfort
- Soft wide foam cushions help reduce pressure around the ears and improves comfort and wearability
- The cushions and foam inserts, available as Hygiene Kits, are easy to replace if they become worn or damaged, helping extend the life of the product
- Easy to understand different colour coding for attenuation values to help select appropriate product for specific application

- ABS plastic cups are rigid, high strength and impact resistant
- Earcups tilt to ensure a customized fit and comfort for individual users

Colour code and attenuation values

Model	Cup colour band	SNR (dB) P3 attachable version
3M™ PELTOR™ Earmuff X1P3	Green	26
3M™ PELTOR™ Earmuff X2P3	Yellow	30
3M™ PELTOR™ Earmuff X2P3-OR	Orange	30
3M™ PELTOR™ Earmuff X4P3E	Bright Green	32
3M™ PELTOR™ Earmuff X4P3E-OR	Orange	32
3M™ PELTOR™ Earmuff X5P3E	Black	36

Approved carrier combinations

Carrier Manufacturer	Carrier Model	Attachment Manufacturer	Attachment adapter	3M™ PELTOR™ X1 P3 Earmuffs	3M™ PELTOR™ X2 P3 Earmuffs	3M™ PELTOR™ X4 P3 Earmuffs	3M™ PELTOR™ X5 P3 Earmuffs
3M™	3M™ PELTOR™ G3000	3M	E	S, M, L	S, M, L	S, M, L	M, L
3M™	3M™ G3501	3M	E	S, M, L	S, M, L	S, M, L	L
3M™	3M™ Headgear G500	3M	E	S, M, L	S, M, L	S, M, L	M, L
3M™	3M™ Hard Hat H700 Series	3M	E	S, M, L	M, L	S, M, L	M, L
3M™	3M™ SecureFit™ Safety Helmet X5500 Series	3M	E	S, M, L	S, M, L	S, M, L	M, L
3M™	3M™ SecureFit™ Safety Helmet X5000 Series	3M	E	S, M, L	S, M, L	S, M, L	M, L
3M™	3M™ Speedglas™ Welding Helmets 9100 MP	3M	AF	M, L	M, L	M, L	L
3M™	3M™ Speedglas™ Welding Helmets 9100 MP-Lite	3M	AF	L	L	L	L
3M™	3M™ Versaflo™ M-Series Faceshield M-207	3M	AF	M, L	M, L	M, L	M, L
3M™	3M™ Versaflo™ M-Series Faceshield M-307	3M	AF	M, L	M, L	M, L	M, L
Auboueix	Iris 2	3M	E	S, M, L	M, L	S, M, L	M, L
Auboueix	KARA	3M	E	M, L	M, L	M, L	M, L

Carrier Manufacturer	Carrier Model	Attachment Manufacturer	Attachment adapter	3M™ PELTOR™ X1 P3 Earmuffs	3M™ PELTOR™ X2 P3 Earmuffs	3M™ PELTOR™ X4 P3 Earmuffs	3M™ PELTOR™ X5 P3 Earmuffs
Busch PROtective	ATR-1 H1	Busch PROtective's	Busch PROtective's			S	
Busch PROtective	ATR-1 H2	Busch PROtective's	Busch PROtective's			S, M, L	
Busch PROtective	ATR-1 H3	Busch PROtective's	Busch PROtective's			L	
Camp	Ares	3M	E	M, L	M, L	M, L	M, L
Camp	Skylor Plus	3M	E	M, L	M, L	M, L	M, L
Centurion	Concept	3M	E	M, L	M, L	M, L	L
Centurion	E:Protect Nexus	3M	E	L	L	L	L
Centurion	Nexus Core	3M	E	M, L	L	L	L
Centurion	Spectrum	3M	E	L	L	L	L
JSP	EVO®2	3M	E	M, L	M, L	M, L	M, L
JSP	EVO®3,	3M	E	M, L	M, L	M, L	M, L
JSP	EVO®5 DUALSWITCH™	3M	E	M, L	M, L	M, L	L
JSP	EVO®8	3M	E	L	L	L	L
JSP	EVO® VISTAlens®	3M	E	L	L	L	L
JSP	EVOLite®	3M	E	L	L	L	L
MSA	V-Gard® 500	3M	E	L	L	L	L
MSA	V-Gard®	3M	E	L	L	L	L
MSA	V-Gard®H1	3M	E	M, L	M, L	M, L	M, L
PETZL	STRATO® / STRATO® Vent	3M	E	S, M, L	M, L	S, M, L	M, L
PETZL	VERTEX® / VERTEX® Vent	3M	E	S, M, L	M, L	S, M, L	M, L
UVEX	uvex pheos	3M	E	M, L	L	M, L	L
UVEX	uvex pheos alpine	3M	E	M, L	M, L	M, L	L
UVEX	uvex pronamic alpine	3M	E	M, L	M, L	M, L	M, L
UVEX	uvex super boss	3M	E	L	L	L	L
UVEX	uvex thermo boss	3M	E	L	L	L	L

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Material Listing

Component	Material
Carrier attachment	POM (Polyoxymethylene), Stainless steel, PA (Polyamide)
Cups	ABS, TPU (Thermoplastic Polyurethane)
Insert (liner)	PU (Polyurethane) foam
Cushions and cushion covers	PVC (Polyvinyl chloride), PU foam
X4, X5 Spacer	ABS (Acrylonitrile butadiene styrene)

Attenuation values and weights - Attachable P3 versions

3M™ PELTOR™ X1P3 Earmuff								**EN 352-3:2020**				
	Frequency (Hz) *f*							**H**	**M**	**L**	**SNR**	**Weight**
	125	**250**	**500**	**1000**	**2000**	**4000**	**8000**					
Mf (dB)	9.7	16.2	28.5	33.1	34.4	42.3	33.0	34.9	26.4	17.0	28.4	185 g
SD (dB)	4.2	2.3	3.0	2.7	2.2	2.8	4.2	1.5	2.3	3.0	2.3	
APVf (dB)	5.5	13.9	25.5	30.4	32.2	39.6	28.9	33	24	14	26	

3M™ PELTOR™ X2P3 Earmuff								**EN 352-3:2020**				
	Frequency (Hz) *f*							**H**	**M**	**L**	**SNR**	**Weight**
	125	**250**	**500**	**1000**	**2000**	**4000**	**8000**					
Mf (dB)	12.9	19.8	32.8	36.4	35.5	34.9	35.5	35.3	29.6	20.5	31.2	220 g
SD (dB)	3.1	2.1	2.5	3.0	3.5	2.3	3.9	1.9	1.8	2.5	1.7	
APVf (dB)	9.8	17.7	30.3	33.4	32.0	32.6	31.6	33	28	18	30	

3M™ PELTOR™ X4P3 Earmuff								**EN 352-3:2020**				
	Frequency (Hz) *f*							**H**	**M**	**L**	**SNR**	**Weight**
	125	**250**	**500**	**1000**	**2000**	**4000**	**8000**					
Mf (dB)	15.6	21.8	33.2	38.3	35.7	44.4	40.0	38.0	31.7	22.9	33.6	236 g
SD (dB)	2.3	2.5	2.3	2.2	3.5	2.1	4.4	2.8	1.6	1.8	1.5	
APVf (dB)	13.3	19.3	30.9	36.1	32.2	42.3	35.6	35	30	21	32	

3M™ PELTOR™ X5P3 Earmuff								EN 352-3:2020				
	Frequency (Hz) *f*							H	M	L	SNR	Weight
	125	250	500	1000	2000	4000	8000					
Mf (dB)	22.1	30.0	43.0	42.7	37.5	39.3	39.8	38.3	37.6	30.3	38.2	353 g
SD (dB)	1.6	2.8	3.5	2.4	3.8	2.8	2.8	2.8	1.7	1.8	1.7	
APVf (dB)	20.5	27.2	39.5	40.3	33.7	36.4	37.0	36	36	29	36	

Attenuation table key:

f = Test frequency

Mf = Mean attenuation value

SD = Standard deviation

APVf (Mf - SD) = Assumed Protection Value

H = High-frequency attenuation value (predicted noise level reduction for noise with LC – LA = -2dB)

M = Medium-frequency attenuation value (predicted noise level reduction for noise with LC – LA = +2dB)

L = Low-frequency attenuation value (predicted noise level reduction for noise with LC – LA = +10dB)

SNR = Single Number Rating (the value that is subtracted from the measured C-weighted sound pressure level, LC in order to estimate the effective A-weighted sound pressure level inside the ear).

Accessories/replacement

The cushions and inserts on the 3M™ PELTOR™ X Series earmuffs can be replaced with the hygiene kits listed below to maintain consistent protection, hygiene, and comfort.

Hygiene Kits

Earmuff model	Hygiene kit
3M™ PELTOR™ Earmuff X1P3	HYX1
3M™ PELTOR™ Earmuff X2P3	HYX2
3M™ PELTOR™ Earmuff X4P3	HYX4
3M™ PELTOR™ Earmuff X5P3	HYX5

In addition, HY100 sweat pads are also available that can be placed on the cushions to help absorb moisture and sweat.

Important Notice

Product selection and use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable national and/or European regulations and standards. Failure to properly evaluate, select,

and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, limited remedy, and disclaimer: A limitation of liability applies to the 3M product(s). For warranty statement and limitation of liability, refer to your supply agreement or the 3M terms and conditions of sale.

3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use.

Warranty and Important Notice

Warranty

The warranty does not cover any damage caused by neglected maintenance or careless handling. For more information on maintenance, please see the user instruction. For complete warranty condition, contact your dealer or local 3M office.

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence. 3M acknowledges the respective Trademark Owners´ rights in this literature.

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