

3M™ PELTOR™ Bull's Eye™ I Earmuffs

Technical datasheet



Product description

The 3M™ PELTOR™ Bull's Eye™ range of earmuffs are designed to provide a moderate to high level of attenuation that meets the needs of sports shooters and hunters. When correctly selected and worn these products help reduce exposure to hazardous levels of noise and loud sounds.

Key features

- ▶ Modern, stylish, slim line cup design
- ▶ Reduced noise levels up to 27dB SNR
- ▶ Bevelled cup increases compatibility with hunting and shooting/weapons as minimises interference between the hearing protector and the rifle butt
- ▶ Folding headband for easy storage in a pocket or bag
- ▶ Low profile headband design helps maintain constant pressure for reliable protection
- ▶ Soft wide cushions help reduce pressure around the ears and improve comfort and wearability
- ▶ Easy to replace cushions and inserts help keep the earmuffs hygienically clean
- ▶ Earmuffs are available in either black or green colour

Applications

3M™ PELTOR™ Bull's Eye™ I Earmuffs are ideal for protection against noise arising from many sports shooting and hunting activities.

Examples of typical applications include:

- ▶ Sport shooting, including clay pigeon
- ▶ Hunting

Attenuation values

3M™ PELTOR™ Bull's Eye™ I headband version

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	13.1	10.0	17.2	26.6	28.3	33.5	37.8	37.9
Sf (dB)	3.2	3.2	2.5	2.2	2.7	2.6	2.0	2.6
APVf (dB)	10.0	7.7	14.8	24.4	25.6	30.9	35.7	35.3

SNR = 27dB H = 32dB M = 24dB L = 15dB APVf = Mf - Sf

Standards and approvals

Hereby, 3M Svenska AB declares that the PPE type earmuff is in compliance with Regulation (EU) 2016/425 and other appropriate directives to fulfill the requirements for the CE marking. The applicable legislation can be determined by reviewing the Declaration of Conformity (DoC) at www.3M.com/PELTOR/doc. The DoC will also show if some other type-approvals are also applicable. A copy of the DoC and additional information required in the Directives can also be obtained by contacting 3M in the country of purchase. These PPE products are audited annually and type approved by SGS Fimko Ltd., Takomotie 8, FI-00380 Helsinki, Finland, Notified Body No. 0598. The product has been tested and approved in accordance with EN 352-1:2002/EN 352-3:2002.

Material listing

The following materials are used in the manufacture of this product.

Component	Material
Headband	Stainless Steel wire, PVC and Acetal
Headband padding	PVC
Cups	ABS
Insert	Polyether
Cushions	Polyether
Cushion covers	PVC

Accessories/replacement

The cushions and inserts on the 3M™ PELTOR™ Bull's Eye™ Earmuffs can be replaced with the HY51 Hygiene Kit for improved comfort and reassured protection. The 3M™ PELTOR™ HY100A-01 Hygiene Pads can be placed on the cushions to help absorb moisture and sweat.

Key

APVf = Assumed Protection Value

Mf = Mean attenuation value

sf = Standard deviation

H = High-frequency attenuation value (predicted noise level reduction for noise with $L_C - L_A = -2\text{dB}$)

M = Medium-frequency attenuation value (predicted noise level reduction for noise with $L_C - L_A = +2\text{dB}$)

L = Low-frequency attenuation value (predicted noise level reduction for noise with $L_C - L_A = +10\text{dB}$)

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

Warning

This hearing protector helps reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protection at all times when exposed to hazardous noise may result in hearing loss or injury. For proper use, see supervisor, User Instructions or call 3M Technical Services. If your hearing seems dulled or you hear a ringing or buzzing during or after any noise exposure (including gunfire), or for any other reason you suspect a hearing problem, leave the noisy environment immediately and consult a medical professional and/or your supervisor.

Important notice

The use of the 3M product described within this document assumes that the user has previous experience of this type of product and that it will be used by a competent professional. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application. All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user. Compliance to the information and specification relative to the 3M product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. The 3M group (which cannot verify or control those elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control. Warranty conditions for 3M products are determined with the sales contract documents and with the mandatory and applicable clause, excluding any other warranty or compensation.

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