

MANUFACTURER  
Portwest, Westport, Co Mayo, Ireland

**Name & Address of the Notified Body having issue EC certificate:**

**SATRA TECHNOLOGY EUROPE LTD**  
Bracetown Business Park, Clonee, Dublin D15 YN2P, Ireland  
Notified Body No. 2777  
Notified Body responsible for the ongoing conformity under MODULE C2:  
**SATRA TECHNOLOGY EUROPE LTD**

## EN HEARING PROTECTORS: HELMET MOUNTED EAR MUFFS

### USER INFORMATION

Refer to the product label/markings for detailed information on the corresponding standards. Only standards and icons that appear on both the product and the user information below are applicable. All these products comply with the requirements of Regulation (EU) 2016/425 and the general requirements of the standard EN352-3:2002

These ear protectors are designed to protect the wearer against harmful noises and must be worn at all times in noisy environments (noise levels above 80dB) and must be chosen according to their attenuation factors in relation to the ambient noise to be reduced (see performances). Ensure that they are correctly fitted, adjusted, maintained and inspected in accordance with these instructions. If these instructions are not complied with, the protection provided by the ear defender will be considerably reduced. The helmet-mounted ear muffs are regularly inspected for serviceability.

**WARNING:** If these instructions are not adhered to, the protection afforded by the ear-muffs will be severely impaired. Be warned that spectacle frames and hair between the ear pads and the head can also affect the performance of the ear defenders.

### SIZES

PS45: THESE HELMET MOUNTED EAR-MUFFS ARE OF MEDIUM SIZE RANGE.  
Helmet mounted ear-muffs complying with EN 352-3 are of large size range, Medium size range or Small size range. Medium size range helmet mounted ear-muffs will fit the majority of wearers. Large size range and small size range helmet mounted ear-muffs are designed to fit wearers for whom medium size range helmet mounted ear-muffs are not suitable.

PS45 ear muffs should only be mounted and used on industrial protective helmets. Endurance Safety Helmet (PSS4/PSS5 and variations), Height Endurance Safety Helmet (PSS3/PS63/PS73 and variations), Expertbase Safety Helmet (PWS0/PS57 and variations).

**Mounting the earmuffs on the helmet (see diagrams):** 1 – Place the (ear) cups on the lowest slot of the headgear assembly.  
2 – Clip (ear cups facing up) the adapters on both sides of the

helmet into the slots provided (the cups can be fitted on either the left or right sides). 3 – Pivot the articulated arm downwards.  
4 – Gently fold down the cups over the ears.  
5 – Slide the cups to position the ear defenders perfectly.

### COMPOSITION:

PS45: Cup: HIPS / Cushion: Foam / Cup supporting arms: Stainless steel.  
Mean mass of the ear muffs = 311gr  
No spare parts available.

### STORAGE AND MAINTENANCE

Put the ear defenders away after use in a cool, dry place, out of the light and protected from frost. When not used, store in the original packaging.

This product may be adversely affected by certain chemical substances. Further information should be sought from the manufacturer.

Clean & disinfect with warm soapy water cup, cushion & headband & dried with soft cloth. Never use solvents, abrasive or noxious products.

In normal conditions of use, these ear defenders will remain effective for 2 to 3 years after their initial use. Ear-muffs, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and leakage, for example.

If any damage is found, throw the ear defenders away.

The fitting of hygiene covers to the cushions may affect the acoustic performance of the earmuffs.

These ear defenders can cause allergic reactions in sensitive subjects, and if such a situation occurs, leave the noisy environment and remove the ear defenders.

### PERFORMANCE – ACOUSTIC ATTENUATION (in dB): (See tables enclosed)

OTH = Fitted over the head  
SNR = Single Number Rating  
A = Frequency (Hz); / B = Mean Attenuation (d/ B); /  
C = Standard deviation (d/ B); / D = Assumed Protection (d/ B).  
Attenuation in dB : H = High frequencies / M = Medium frequencies / L = Low frequencies (bass)

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### PERFORMANCES - SOUND ATTENUATION

PS45								
A Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
B Mean Attenuation (dB)	10.5	11	20.6	27.9	38.0	33.4	34.1	30.3
C Standard Deviation (dB)	6.7	5.3	5.7	5.0	4.8	4.2	4.4	6.6
D Assumed Protection (dB)	3.8	5.7	14.9	22.8	33.2	29.1	29.7	23.7
SNR 25dB H:29dB M: 24dB L: 14dB								

