

About ACS

ACS is a UK based company established in 1994 as a company dedicated to hearing conservation and the manufacture of custom-fit products for hearing protection and high quality audio.

The PRO series launched at the beginning of 2011 created a new era in level attenuating hearing protection. The PRO series are vented to allow sound to pass both ways which means that remaining sound can escape directly through the filter providing one of the most natural sounding earplugs available.



ACS offer range of hearing protection products for all kinds of applications from motor racing to classical music performance. Custom-made hearing protectors give the best comfort and isolation for extended usage.

The PRO range from ACS sets a new standard in hearing protection offering a number of features that create a great experience for the wearer allowing you to listen and perform in comfort and with impeccable clarity.

The PRO filters feature a new smaller footprint so that any size of ear can use a PRO earplug comfortably and discreetly whilst its sheathed outer provides splash-proofing allowing them to be used outdoors or when perspiring. The PRO series also have a vented design that allows sound to escape from the ear canal which reduces the occlusion effect (noise booming in a blocked ear).





ACS PRO Impulse Custom

Developed for military use the Impulse filter protects hearing from gunfire, artillery noise and impulse sounds from nail guns, drop hammers and riveting.

Designed to allow air to enter the ear, this unique filter technology retains spatiality and sound directionality as required in hunting and combat situations. Unlike competing products this ventilation minimises the occlusion effect and reduces irritation within the ear canal, maximising user comfort so limiting the causes of inflammation and infection.

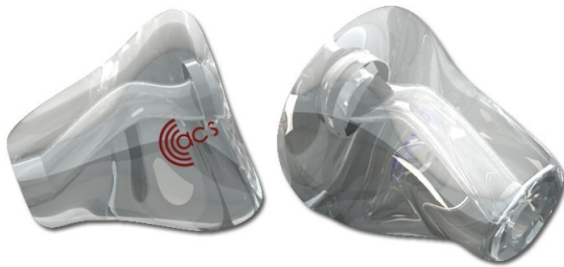
The filter gives a constant noise reduction of approximately 15dB, increasing to a maximum of 33dB when activated by sudden high noise. For higher levels of noise protection the PRO Impulse can be worn in conjunction with over-ear headsets.

The custom made version utilises the same proven design as ACS PRO hearing protection with a discreet and comfortable soft silicone in-ear mould custom made to fit the wearer, while a universal fit version with a soft in-ear tip is also available for 'off the shelf' convenience.

The small size of Impulse filters makes them unobtrusive and comfortable to wear, fitting easily under communications headsets or earmuffs where double protection is required.

The Impulse filter has undergone full environmental testing for humidity, hot and cold temperatures, 12-hour comfort and sand storms. Fully washable with water and normal detergents, Impulse is suitable for all outdoor and indoor situations.

The Impulse filter with custom mould has a constant noise SNR value of 15dB (estimated), suitable for continuous safe use to 100dB. ANSI IPIL certified impulse protection is 33.1 dB maximum.



SNR (Single Number Rating)	15dB (estimated)
Maximum protection @ 166dB	33dB
Weight	3g Net 83g Gross Average weight will vary according to ear size
Build Material	40 Shore Medical Grade Silicone ear mould with plastic filter
Mould Type	Canal Mould
Standard Colour	Clear

Please ensure that a noise assessment is carried out on site before purchasing your hearing protection as it is imperative the correct protection level is used.

ACS PRO Impulse Universal

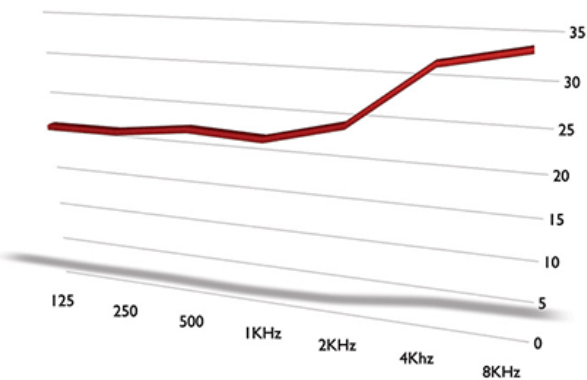
ACS PRO Impulse is also available in a universal version, ready to use straight from the box. The box include PRO Impulse filters, two sets of different sizes of soft silicone tips, carry pouch and elastic silicon cord.





ACS PRO 27 Custom Hearing Protection

The PRO 27 is a breakthrough in high-noise filtering, giving you an almost flat reduction of around 23dB through the low and mid range frequencies so that you maintain situation awareness and your ability to communicate, but can still be comfortable in very loud environments. In the higher frequencies the PRO 27 gives you a stark jump in protection, offering up to 35dB where you need it most so you can carry on working or enjoying your passion in safety. With an average attenuation of 27dB the PRO 27 can increase your safe exposure time by up to 9 times.



The Next Generation of Filter Design

The PRO filter series has been designed anew with the wearer in mind. For starters, it's smaller than many competing filters, meaning that it can fit into smaller ears without any protrusion which is great for both comfort and aesthetics because it will always fit snugly underneath a helmet or other head wear. The filters are also removable so you can clean and maintain your ear moulds and your filters – giving you the maximum life and the best value for money from your plugs. In addition, the PRO series are water resistant so they can be used outside or in high moisture environments and can withstand perspiration without it damaging the filter membrane.

The PRO series of filters consist of PRO 10, PRO 15, PRO 17, PRO 20, PRO 26, PRO 27 and PRO Impulse.



ACS PRO 27 Communicator

The PRO 27 Communicator gives you the best of both worlds with the strongest filter in the PRO series range giving you complete protection even in the most severe of environments and the same technology that we use in our in-ear monitor allowing you to enjoy high fidelity audio for crisp communications.

The PRO 27 Communicator comes fitted as standard with our own Kevlar reinforced cable for durability and, because it's moulded from soft silicone, it can be worn comfortably underneath a helmet for extended periods.

The PRO 27 Communicator has been independently tested to conform to the EN352-2 standard for hearing protection so you can be sure that it's giving you what you need to enjoy your passion or occupation safely.





Risk of Hearing Loss

You do not get used to noise, you gradually lose your hearing...

Every day, millions of people around the world are exposed to noise at work and all the risks this can entail. While noise is most obviously a problem in industries such as manufacturing and construction, it can also be an issue in a wide range of other working environments, from call centres to schools, orchestra pits to bars.

One in five of Europe's workers have to raise their voices to be heard for at least half of the time that they are at work and 7% suffer from work-related hearing difficulties. Noise induced hearing loss is the most common reported occupational disease in the EU.

Anyone who is exposed to noise is potentially at risk. The higher the noise level, and the longer you are exposed to it, the more risk you have of suffering harm from noise. In manufacturing and mining, 40% of employees experience significant noise levels for more than half of their working time. For construction, the proportion is 35% and in many other sectors, including agriculture, transport and communications, the figure is 20%. It is not only manufacturing and other traditional industries where noise is a problem. Noise is recognised as a problem in service sectors such as education and healthcare, bars and restaurants



For more information about ACS's full range of ear protection, in-ear monitors and communication products, please visit the website or contact us for an introduction.

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