

Acoustic impulse filters for gunfire, artillery and impulse noise

ACS Custom Pro Impulse provides optimum protection from high levels of impulse sounds. Their small size makes them unobtrusive and comfortable to wear, fitting easily under communications headsets or earmuffs where double protection is required. Developed for military use Pro Impulse protects hearing from gunfire, artillery noise and impulse sounds from nail guns, drop hammers and riveting.

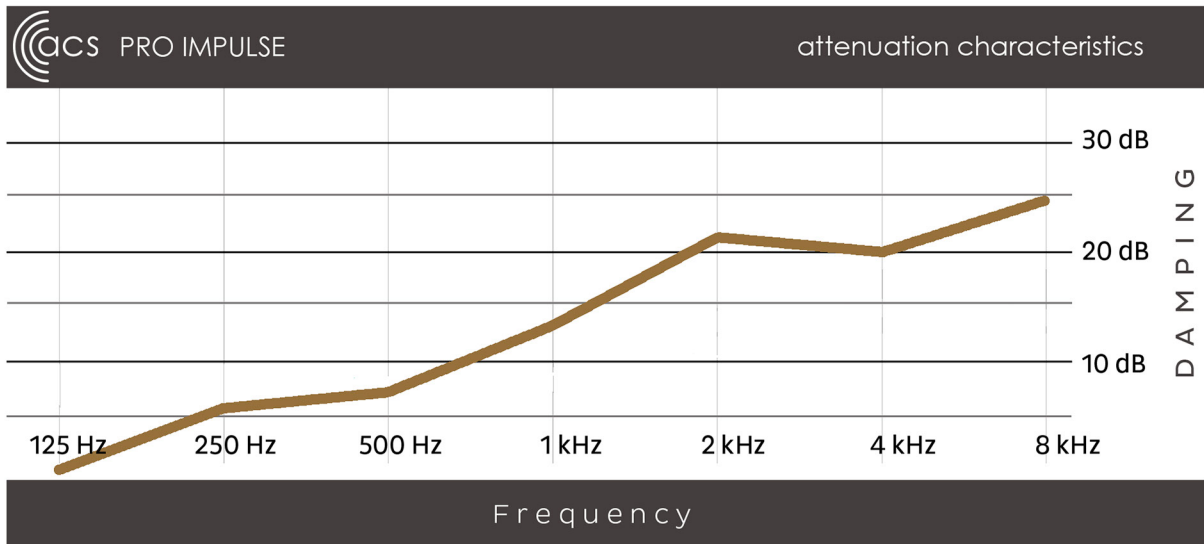
Designed to allow air to enter the ear this unique filter technology retains spatiality and sound directionality as required in hunting and combat situations. Unlike competing products this ventilation minimises the occlusion effect and reduces irritation within the ear canal, maximising user comfort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

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



## Acoustic Specification

Minimum guaranteed damping level (dB)	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	H	M	L	SNR
PRO IMPULSE	1	6	7	13	22	20	24	19	12	7	15



ANSI IMPULSE PEAK INSERTION LOSS (IPIIL)	130 dB	150 dB	158 dB	166 dB
PRO IMPULSE	21.3	29.3	32.3	33.1

The specification is an estimation of the performance when correctly mounted and calculated according to the following standards:  
 EN 352-2:2002 (DIN EN 352-2:2003), EN 13819-1:2002 (DIN EN 13819-1:2003), EN 13819-2:2002 (DIN EN 13819-2:2003), ISO 4869-1: 1990 (DIN EN ISO 4869-1:1991), ISO 4869-2: 1994 (DIN EN ISO 4869-2 1995), DIN EN ISO 4869-2 Corrigenda: 2007, IEC 60268-1:1988, ISO 8253-2:2009 (DIN ISO 8253-2:2009) & ANSI/ASA S12.42-2010

