

PRO Impulse Hearing Protection

Short Description

The ACS PRO range has now been expanded to include an all-new specialist shooting protection model: The PRO Impulse.

The new PRO Impulse filter has been specially developed to reduce sudden high volume sounds from being transmitted to the inner ear, giving the wearer protection when they need it while allowing normal hearing at all other times.

The Impulse filter is available in both a custom fit silicone ear mould, and a universal fit silicone ear tip.

Part Code PROIMP
Rev. Date 04/15

Full Description

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.

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 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.

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.

PRO Impulse Hearing Protection

Technical Specification PRO Impulse Custom

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
Included Accessories	Instruction Leaflet, Wax Pick, Comfort Cream, Carry Pouch
Optional Accessories	None
Warranty Period	1 Year against manufacturing and component failure
Attenuation Determined By	Dynamic Ear Company Rotterdamseweg 380 NL-2629 HG Delft

Custom build options

Colour (Clear Default)	Can be produced in colours from our current colour chart
Laser Etching (None Default)	Can be laser etched up to 10 characters
Removal Grips	May be fitted with grips to aid removal
Connection Cord	May be fitted with a connection cord for security

Technical Specification PRO Impulse Universal

SNR (Single Number Rating)	15dB (estimated)
Maximum protection @ 166dB	33dB
Weight	3g Net 83g Gross
Build Material	Silicone tip with plastic filter
Mould Type	Canal tip
Standard Colour	Blue
Included Accessories	Instruction Leaflet, Carry Pouch
Optional Accessories	None
Warranty Period	1 Year against manufacturing and component failure
Attenuation Determined By	Dynamic Ear Company Rotterdamseweg 380 NL-2629 HG Delft

Acoustic Specification

Minimum damping level (dB)	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
PRO Impulse Filter	1	6	7	13	22	20	24
ANSI Impulse peak insertion loss	130dB	150dB	158dB	166dB			
PRO Impulse Filter	21.3dB	29.3dB	32.3dB	33.1dB			