

Tactical Impulse Hearing Protection

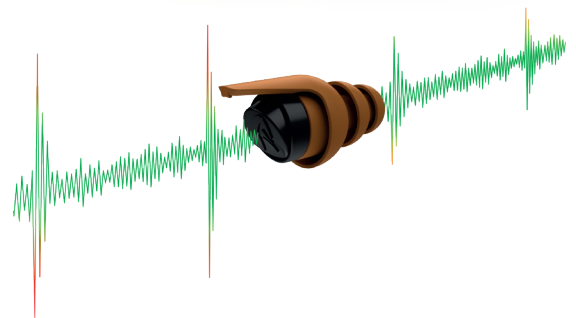
Tactical Impulse Hearing Protection (TIHP) “Multimode” by DYNAMIC ear filter is a highly effective hearing protection, specifically engineered for tactical & military use. TIHP protects against peak impulse sounds and continuous noise whilst preserving speech clarity and mission critical situational awareness.

DYNAMIC TIHP complies with CE and ANSI IPIL hearing production standards, providing impulse noise attenuation of up to 35.1 dB at 166 dB (IPIL) in open mode and up to 41.9 dB in closed mode.

In open mode, DYNAMIC TIHP facilitates airflow to the ear canal while offering continuous 19 dB SNR protection. The switchable closed mode provides 25 dB SNR for maximum noise reduction.

The low-profile design ensures compatibility with helmets, headsets, and other tactical gear. Soft medical-grade TPE eartips provide lasting comfort during extended use. DYNAMIC TIHP is trusted by defense forces for its durability and mission-ready performance in challenging environments.

19–25 dB Continuous
up to 42 dB Impulse



Product specific benefits

- Multimode function allows switching between impulse and constant noise protection or full block mode
- Reusable, comfortable and easy to fit
- Instant protection from impulse noise (e.g., gunshots or explosions)
- Maintains ambient awareness
- Compatible underneath headsets and helmets
- Allows ear ventilation. Minimum occlusion effect or irritation
- Hypoallergenic and easy to clean (Medical grade TPE material)
- No batteries required
- 100% acoustically tested filters
- Fit & seal verification tools available (Ear Gauge, Acoustic Leakage Tester)
- CE and ANSI IPIL certified
- Developed and manufactured in the Netherlands



Acoustic Leakage tester



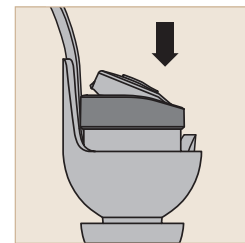
Ear Gauge fitting tool

Open mode impulse protection

CE certification data (EN 352-2:2020)	SNR	H	M	L
Mean Attenuation (MA) (dB)	20.5	22.9	17.7	15.4
Standard Deviation (SD) (dB)	1.5	1.2	1.8	2.0
Value (dB)	19	22	16	13

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
MA (dB)	13.1	14.1	14.3	14.7	18.1	26.7	22.2	29.3
SD (dB)	3.6	3.4	2.4	3.2	2.3	3.9	2.0	3.7
APV (dB)	9.5	10.7	11.9	11.5	15.8	22.8	20.2	25.6

ANSI IPIL certification data (S12.42-2010)				
Impulse peak level (dB)		132	150	166
Impulse peak damping value (dB)		25.1	32.7	35.1

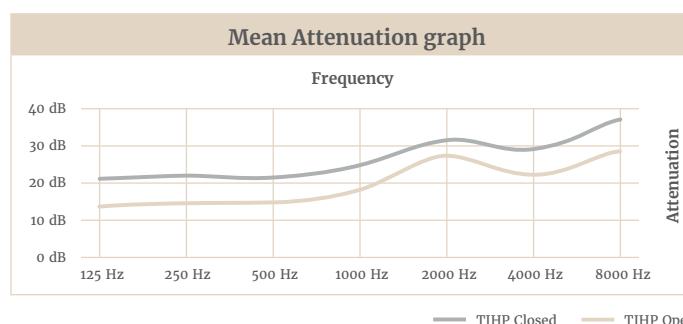
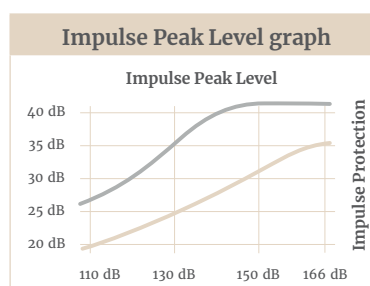
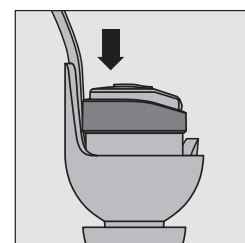


Closed mode continuous protection

CE certification data (EN 352-2:2020)	SNR	H	M	L
Mean Attenuation (MA) (dB)	27.1	29.1	24.4	22.4
Standard Deviation (SD) (dB)	1.7	2.1	2.2	2.2
Value (dB)	25	27	22	20

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
MA (dB)	21.2	21.0	21.7	21.4	24.8	31.4	29.1	37.2
SD (dB)	4.4	3.0	3.2	2.5	3.2	3.3	3.4	4.9
APV (dB)	16.8	18.0	18.5	18.9	21.6	28.1	25.7	32.3

ANSI IPIL certification data (S12.42-2010)				
Impulse peak level (dB)		132	150	166
Impulse peak damping value (dB)		36.3	41.9	41.7



Product applications

- High-level impulse noise protection – e.g. gunfire, explosions, metal-on-metal impact noises
- Continuous protection – for scenarios such as combat situations, armored vehicles, helicopters, service and repair tasks
- Increased protection – when used under headsets for example in indoor shooting ranges

Product units

- 2 reusable earplugs with multimode acoustic impulse filters
- Available in 4 sizes (S, M, L, XL) (sizing tool available for easy-fit)
- With optional neck cord(s) and carrying solution
- User guide