

Custom made hearing protection

Alpine filters for custom made hearing protection



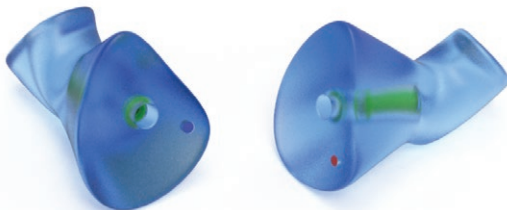
COMPLETE FILTER LINES FOR EVERY APPLICATION

Alpine has a long history when it comes to custom-made hearing protection. The soft earmolds with acoustic filters that are specifically adapted to different applications are widely recognized. Thanks to their great innovative power and years of expertise, Alpine now also adds removable filters to its product line. This enables users to exchange filters themselves at any time, giving them full control over the degree of attenuation. With this freedom of choice, the earplugs completely meet the needs of the individual user. This new range of filters offers enormous potential for laboratories and brings a very strong addition to the range.



'Ellipse Lin' filters with linear attenuation

Ellipse filters with linear attenuation, also called rectilinear attenuation, are especially designed for music related applications. These filters offer a uniform attenuation over all frequencies, transmitting the music as true-to-life as possible. The original sound is retained, only the volume is reduced to a safe level. As a result, conversations also remain perfectly audible. These interchangeable filters are ideal for both music lovers and musicians. The range consists of 3 filters which vary in attenuation level for different musical applications. All filters are interchangeable. This offers the user the possibility to buy additional filters at any time.



'Cone' filters with non-linear attenuation

These filters are suitable for various applications and offer a so-called progressive attenuation for the high frequencies. This filters out harmful sounds, while environmental sounds and speech remain audible. There are 5 variants available, ranging from a low to a very high attenuation level. Each filter is unique and can be used in different situations. With non-linear attenuation it is possible to use exactly the right filter, so excessive attenuation is avoided.

Filter line Ellipse Lin



L19 white

Suitable for:
singers, DJs, keyboardists,
string-orchestra, concerts,
clubs, etc.



L21 black

Suitable for:
wind instruments, guitarists,
sound engineers (on stage),
concerts, clubs, etc.

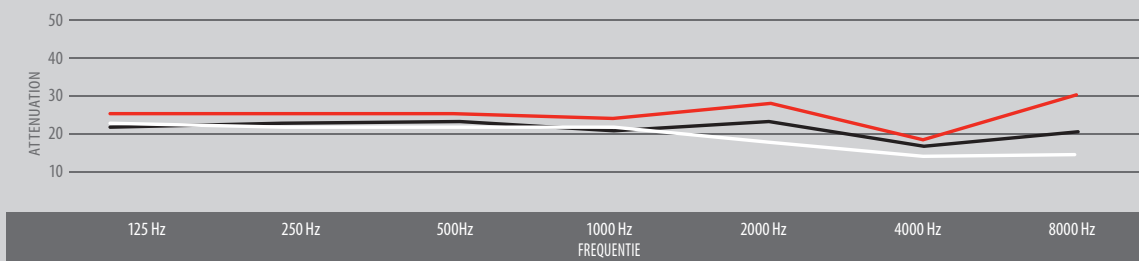


L25 red

Suitable for:
drummers, bar staff,
sound engineers
(front of house), etc.

These filters have a CE marking and are tested by PZT according to EN 252-2. This advice is an indication.

Mf in dB	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	H	M	L	SNR
Filter L19 white	22,6	21,6	21,1	20,9	18,8	15,4	15,4	17	19	20	19
Filter L21 black	22,0	22,6	21,6	20,5	22,0	17,3	20,1	20	20	21	21
Filter L25 red	25,5	25,5	25,6	24,6	28,8	19,7	30,3	23	24	25	25



Filter line Cone



F4 yellow*1,2

Suitable for:
printing sounds,
call centers, etc.



F6 blue*1,2

Suitable for:
light industry,
lawn mowing, etc.



F7 green*1

Suitable for:
woodworking,
construction, DIY,
motorcycling, concerts,
festivals, etc.



F8 red*1

Suitable for:
metal working,
motorcycling,
industry, etc.



F10 white*1

Suitable for:
shooting sports, high
pressure cleaners, heavy
industry, studying, etc.

This advice is an indication.

*1 *These filters have a CE marking and are tested by PZT according to EN 252-2.*

*2 *These filters can only be used in situations where hearing protection is not mandatory.*

Mf in dB	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	H	M	L	SNR
F4 Yellow	2,1	3,9	10,5	18,5	29,4	30,1	32,4	22	11	4	14
F6 Blue	6,8	9,7	14,9	21,7	30,5	32,7	34,4	24	15	8	18
F7 Green	15,1	16,9	20,2	26,2	31,6	32,8	36,8	27	19	14	23
F8 Red	17,8	19,7	22,2	26,0	32,8	35,4	39,1	28	21	17	25
F10 White	25,8	26,2	26,9	28,8	34,0	39,3	39,0	28	22	20	26

