

Elacin ER

The Elacin ER features a filter with an extremely flat attenuation over the entire audible frequency range. The sound retains its natural timbre and is not distorted in any way. It sounds truly natural, hence it is the professional musician and music enthusiast favourite choice since its introduction. You do not remove ER hearing protectors from your ears to hear speech. The hearing protectors are perfectly suitable for people visiting noisy musical environments such as clubs, cafés, concerts and dance events.



Standard earplugs, such as disposable or pre-shaped earplugs, often cut out more sound than necessary. Excessively attenuating the higher frequencies distorts speech and music, making it sound unnatural. People also do not tend to insert these standard earplugs deeply enough in the auditory duct. As a consequence, harmful noise is not sufficiently attenuated.

ER without cord

The Elacin ER is supplied without a cord. This is because the size of the ER filter does not leave sufficient space for a connection to a cord. If your customer still wants a cord, please first contact our Customer Service department. They can provide you with more advice on this matter.

Filters

There is a choice of 3 filter types, depending on the noise level:

- Elacin ER25 filter
- Elacin ER15 filter
- Elacin ER9 filter

Interchangeable

ER filters are interchangeable. People may use more than one pair of filters, depending on the level of noise. Although changing the filters is possible, we do not recommend changing them regularly. There is a risk that the filter slot becomes flexible, reducing its grip on the filter.

Note!

The Elacin ER9 filter has been specially developed for (orchestral) musicians. The filter does not satisfy the minimum attenuation requirements as specified in the European norm EN 352-2 and is therefore not permitted for use as personal protection equipment (PPE) in industrial environments where average noise levels exceed 90 dB.

Material + Colour

The Elacin ER is manufactured from soft FlexFit material (60 shore) in a clear transparent colour. At request it is possible to have them manufactured in the colours red, blue, black, yellow or green transparent.

Application of use

- Music venues
- Where speech intelligibility is important

Suitable for

- Professional musicians
- Music enthusiasts
- Pilots and Cabin crew
- Staff and visitors in
 - + clubs and cafés
 - + in rock concerts and dance events

Benefits

- The best sound quality
- Flat attenuation
- Custom-made for a perfect fit
- Optimal protection
- Speech remains understandable
- Made from soft, light material
- Easy to insert and remove
- Safe and comfortable
- No pressure in the auditory canal
- Interchangeable filters

Attenuation values

	f in Hz	125	250	500	1000	2000	4000	8000
Elacin ER25	APVf [dB]	17,9	19,5	22,5	20,7	21,1	25,2	20,9
Elacin ER15		13,7	14,6	15,2	13,7	14,7	13,0	16,9
Elacin ER9		10,4	9,4	5,8	6,8	10,3	9,2	15,5

	H	M	L	SNR
Elacin ER25	22	21	21	23
Elacin ER15	14	14	14	16
Elacin ER9	10	8	8	10

	f in Hz	125	250	500	1000	2000	4000	8000
Elacin ER25	Mf [dB]	22,6	24,0	26,4	24,4	24,4	27,5	25,4
Elacin ER15		17,5	17,6	18,0	16,3	17,3	15,8	20,8
Elacin ER9		14,3	12,2	10,8	10,3	13,5	12,6	19,2

** The attenuation of the ER9 does satisfy all relevant requirements as set in the PPE Directive 89/686/EEG and EN352-2, except for paragraph 4.3.6.*

	f in Hz	125	250	500	1000	2000	4000	8000
Elacin ER25	Sf [dB]	4,7	4,5	3,9	3,7	3,3	2,3	4,5
Elacin ER15		3,8	3,0	2,8	2,6	2,6	2,8	3,9
Elacin ER9		3,9	2,8	5,0	3,5	3,2	3,4	3,7

Attenuation curve

Elacin ER

