

Elacin RC

The Elacin RC is provided with a patented sound filter concept, offering improved transparency for higher frequencies. Due to this significantly improved attenuation characteristic, it provides very good speech intelligibility, work sound and warning signal perception. Thanks to this quality, the Elacin RC provides a high acoustical wearing comfort and eliminates the need for removal during communication. The wide range of filters includes low attenuation values preventing uncomfortable and dangerous over attenuation at lower, but still harmful noise levels.



The Elacin RC is a compact hearing protector provided with a small grip, which makes it easy to fit the protector and remove it from the ear canal. It comes standard with a cord and shirt clip.

Optional

The Elacin RC hearing protector is also available as a minigrip (with o-ring) or as no grip-version.

Material

The Elacin RC is manufactured from soft FlexFit material (hardness 60 Shore) in aqua or transparent and comes with a cord and shirt clip. Another colour is also possible. At an additional cost, the RC can be delivered in the colours red, blue, yellow, black or green transparent.

Filters

There is a choice of 5 filter types, depending on the noise level:

- Elacin RC19 filter (black)
- Elacin RC18 filter (braun)
- Elacin RC17 filter (grey)
- Elacin RC15 filter (beige)
- Elacin RC13 filter (white)

Application of use

- Where speech intelligibility is important
- Where work sound perception is important
- Where warning signal perception is important
- Users with symptoms of hearing loss
- Environments with limited harmful noise levels

Suitable for use in

- Industrial environments
- Printing
- Construction
- Transport

Benefits

- Prevention over attenuation
- Less acoustical isolation for the wearer
- Very good speech intelligibility
- Very good work sound and warning signal perception
- No need for removal during communication
- High acoustical and physical wearing comfort
- No isolation from, and more alertness to the direct environment

- Improved acceptance and willingness to wear
- More comfortable and safe for hearing impaired users
- Does not protrude (no risk of hitting objects) and is nearly invisible
- Provided with grip for easy fit and removal
- Soft and very lightweight
- Perfect fit for long-term use
- Continued ventilation of the ear canal
- Selection of 5 filter types, depending on the noise level
- Easy to clean
- Optional metal ball for detection (e.g. for food industry)

Attenuation values

f in Hz		125	250	500	1000	2000	4000	8000	H	M	L	SNR
Elacin RC19	APVf [dB]	19,0	19,2	19,7	20,0	19,4	16,4	22,3	18	19	19	20
Elacin RC18		14,4	16,0	17,8	18,3	19,1	18,6	14,0	17	18	17	19
Elacin RC17		9,5	12,0	16,7	16,7	20,6	16,4	14,3	17	17	14	18
Elacin RC15		7,3	9,6	13,7	14,4	19,7	19,6	12,3	17	15	12	17
Elacin RC13 ⁺		4,1	6,7	10,8	12,8	18,1	19,3	12,8	17	13	9	15

f in Hz		125	250	500	1000	2000	4000	8000
Elacin RC19	Mf [dB]	22,4	23,9	23,7	22,5	22,1	20,4	26,2
Elacin RC18		17,5	19,1	21,4	21,8	21,9	23,3	19,1
Elacin RC17		12,7	15,6	20,3	19,9	23,5	21,2	18,9
Elacin RC15		10,8	12,8	17,0	17,9	22,9	23,5	17,5
Elacin RC13 ⁺		7,3	9,5	13,8	16,0	22,2	22,9	17,1

f in Hz		125	250	500	1000	2000	4000	8000
Elacin RC19	Sf [dB]	3,3	4,7	3,9	2,4	2,7	4,0	3,9
Elacin RC18		3,0	3,1	3,6	3,4	2,8	4,7	5,1
Elacin RC17		3,2	3,6	3,5	3,2	2,8	4,8	4,6
Elacin RC15		3,5	3,2	3,2	3,4	3,2	3,9	5,2
Elacin RC13 ⁺		3,2	2,8	2,9	3,1	4,0	3,5	4,3

* The attenuation of the RC13 does satisfy all relevant requirements as set in the PPE Directive 89/686/EEG and EN352-2, except for paragraph 4.3.6.

Attenuation curve

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