



Headband H510A
Stainless spring steel. Soft padded cushion – comfortable even during long-term use.

OPTIME I

Optime I is very versatile protection, characterised by its lightness. Despite being so lightweight, it's the best imaginable protection. We have combined a low profile with generous inside depth. This makes it easy to team with other equipment and means that the ear rests comfortably. **Optime I** is the natural choice when you need to use all-round protection for both short and long spells. It is first-rate for use in environments with moderate industrial noise, such as workshops, sheet-metal shops and printing works, but can also be used to good effect outdoors, for instance when mowing the lawn or in connection with hobby and leisure activities.



Neckband H510B

Combines with other protective equipment, such as welding shield.



Folding headband H510F

Takes little space in toolbox or pocket. Sealing rings are protected against soiling and damage.



Helmet attachment H510P3

For helmets with slot attachment. The protector can be set in the working, airing or park position.

HY51 Safety kit

Model	Frequency ²	125	250	500	1000	2000	4000	8000	H	M	L	SNR
**	Mean att. ³	11.6	18.7	27.5	32.9	33.6	36.1	36.8				
H510A	Stand. dev. ⁴	4.3	3.6	2.5	2.7	3.4	3.0	3.8				
180g	APV	7.3	15.1	25.0	30.1	30.2	33.2	32.0	32 dB	25 dB	15 dB	27 dB

Model	Frequency ²	125	250	500	1000	2000	4000	8000	H	M	L	SNR
**	Mean att. ³	12.2	18.7	27.1	32.9	35.0	36.5	34.4				
H510F	Stand. dev. ⁴	3.4	3.2	3.0	2.1	4.0	2.9	3.9				
200g	APV	8.7	15.5	24.1	30.8	31.0	33.6	30.6	32 dB	25 dB	16 dB	28 dB

Model	Frequency ²	125	250	500	1000	2000	4000	8000	H	M	L	SNR
**	Mean att. ³	10.9	17.1	25.4	31.5	32.6	36.3	34.8				
H510B	Stand. dev. ⁴	3.5	2.8	1.8	2.6	4.3	3.4	3.6				
165g	APV	7.3	14.3	23.6	28.9	28.3	32.9	31.1	30 dB	24 dB	15 dB	26 dB

Model	Frequency ²	125	250	500	1000	2000	4000	8000	H	M	L	SNR
**	Mean att. ³	11.2	13.4	26.9	33.9	32.0	33.5	36.9				
H510P3*	Stand. dev. ⁴	2.0	1.9	1.8	1.9	2.4	1.8	1.8				
205g	APV	9.2	11.5	25.1	31.9	29.6	31.7	35.1	32 dB	23 dB	15 dB	26 dB

Easy to make the right choice

A common reason for neglecting to use proper hearing protection is that the wrong choice was made in the first place. More sophisticated hearing protection than the situation demands can be perceived as uncomfortable and it becomes unnecessarily difficult to understand speech and signals. But how do you know what's right for you?

The basic rule is that you must always (100% of the time!) wear hearing protection if you are in an environment that has an A-rated noise level of 85 dB. The noise level, in combination with how long you are exposed to it, determines just how damaging this noise-hazard environment is to your ear. For example, 8 hours of exposure to an 85 dB A-rated noise level delivers the same harmful dose as 15 minutes of exposure to a 100 dB A-rated noise level.

High tones, high volume...

Optime I. Good muffling, especially in the high-frequency range. The nature of this muffling protection permits extremely good communication potential.

+ lower tones and higher volume...

Optime II. Increased muffling, primarily for lower frequencies. This first-rate muffling, which even covers high frequencies, gives suitable protection in most noise-hazard situations.

+ bass tones and extremely high volume

Optime III. Extra noise muffling for both low and high frequencies, intended for particularly high noise levels. This protection meets the most stringent muffling demands.

