

# Technical datasheet

H8K 21008-110  
H10K 21010-110  
H12K 21012-110



## DESCRIPTION

Classic is a well proven, comfortable hearing protector for long term use. With single-point attachment in combination with flexible sliders, the pressure and seal is always distributed evenly around the ears, regardless of your head size.

Attachment arms made of durable shape retaining material can be turned in and out more than 10,000 times without any loss of pressure, equivalent to at least 5 years of use.

- Single point attachment
- Simple size adjustment
- Soft, wide and comfortable ear cushions

## APPLICATIONS

Hellberg 8K is suitable for general industrial work environments. Best choice in low to medium noise levels (dB) and medium to high frequency noise.

Hellberg 10K is for work environments with a medium to high noise level (dB) Best choice in high frequency noise. Suitable for a wide variety of applications such as; Building and construction, manufacturing, forestry, industrial work, agriculture & farming etc.

Hellberg 12K is the choice when nothing else will do. Best choice in low frequency noise. For extremely noisy environments such as; airport ground crew, motor racing, drill hammering etc.



## TECHNICAL DATA

Weight H8K	180g
Weight H10K	190g
Weight H12K	230g

## ATTENUATION DATA

CLASSIC H8K Cap mounted EN 352-3:2002, H-29 M-24 L-15 SNR 26											
Freq. Hz	63	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Att.	13,4	10,1	17,9	30,2	29,7	32,5	32,9	32,7	39,0	38,0	
Std. dev	3,3	3,2	2,4	3,0	2,6	4,4	4,1	4,6	3,1	3,7	
APV	10,1	6,8	15,5	27,1	27,1	28,1	28,8	28,1	35,9	34,3	

CLASSIC H10K Cap mounted EN 352-3:2002, H-32 M-26 L-17 SNR 29											
Freq. Hz	63	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Att.	14,0	12,1	19,0	31,9	32,6	33,1	32,3	34,7	39,8	36,6	
Std. dev	4,2	3,0	1,9	2,7	2,4	2,1	2,7	2,3	2,3	3,4	
APV	9,8	9,1	17,1	29,2	30,2	31,0	29,6	32,4	37,5	33,2	

CLASSIC H12, Cap mounted EN 352-3:2002, H-32 M-30 L-21 SNR 32											
Freq. Hz	63	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Att.	13,9	17,0	23,6	32,7	36,9	34,1	32,8	34,9	37,4	36,9	
Std. dev	3,5	2,8	2,7	2,5	2,7	3,0	2,6	2,4	2,8	3,3	
APV	10,5	14,2	20,9	30,2	34,2	31,0	30,2	32,5	34,6	33,6	

CLASSIC H8K Cap mounted ANSI S-3.19-1974, NRR 22 CSA B											
Freq. Hz	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Att.	11,5	17,4	29,9	32,4	36,6	38,4	39,8	37,0	37,9		
Std. dev	2,8	2,8	3,1	2,5	2,5	2,3	1,9	2,7	2,7		

CLASSIC H10K Cap mounted, ANSI S-3.19-1974, NRR 25 CSA A											
Freq. Hz	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Att.	19,2	20,9	31,6	36,8	38,1	40,0	42,8	43,1	40,6		
Std. dev	1,5	1,6	2,4	1,6	2,3	2,2	2,9	4,0	3,3		

CLASSIC H12K Cap mounted ANSI S-3.19-1974, NRR 28 CSA A											
Freq. Hz	125	250	500	1000	2000	3150	4000	6300	8000		
Mean Att.	16,9	24,3	34,9	38,1	37,8	36,6	38,0	40,3	40,8		
Std. dev	2,1	2,5	1,9	2,1	2,6	2,5	2,4	2,6	3,0		

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## MATERIAL DATA

Part	Material
1. Earcups	ABS
2. Cup spacer	ABS
3. Ear cushion	Polyether & PVC-foil
4. Foam liner	Polyether
5. Helmet arm	POM
6. Spring housing	PA66
7. Slider	TPE

## ORDER INFORMATION

Part no	Description
H8K	21008-110
H10K	21010-110
H12K	21012-110



## ACCESSORIES

Part	Description
99810	Hygiene kit H8K & H10K
99012	Hygiene kit H12K
99900	FRESH sweat absorber

## MAINTENANCE

Hearing protectors should be inspected prior to use for damage or deterioration. Damaged or worn parts should be replaced prior to use. The noise reduction will only be obtained if the earmuffs are in good order and worn as directed. Ear muffs, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and leakage. Hygiene kit/cushions should be replaced twice a year or when the cushion show signs of damage or hardening.

For better comfort there are sweat absorbers that absorbs sweat and moisture. Remember that use of absorbers over the ear cushions can reduce the hearing protector's noise attenuation properties.

## WARNING

The reported attenuation will be obtained only if the protector is in good condition and worn as directed.

The sound attenuation of hearing protectors in the field may differ from from that obtained in laboratory testing due to incorrect fitting. Noise reduction will be also be adversely affected by anything that impairs the seal of the earmuff cushions against the head, such as thick spectacle frames, balaclavas etc.

The protection must always be used in noisy environments. A hearing protection with an attenuation of 30dB will only give you a protective effect of 12dB if removed 30 minutes during an 8 hour working day.