SECUREHellberg Secure Professional Hearing Protection User Manual

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Contents

USER MANUAL

All the hearing protectors which are included in this instruction sheet are equipped with a thermoplastic headband or spring-arms, or stainless-steel neckband and foam plastic filled cushions. This hearing protector is intended to protect the wearer from hazardous noise levels when fitted in accordance with these user instructions. Any other uses are not intended and therefore not allowed.

Hereby, Hell berg Safety AB, declares that the hearing protector SECURE is in compliance with PPE Directive 89/686/EEC, PPE regulation EU 2016/425 and other appropriate directives to fulfil the requirements of CE marking. The full text of the EU declaration of conformity is available at the following internet address: **www.hellbergsafety.com/doc**

For traceability, see the date clock on the inside of the ear cup.

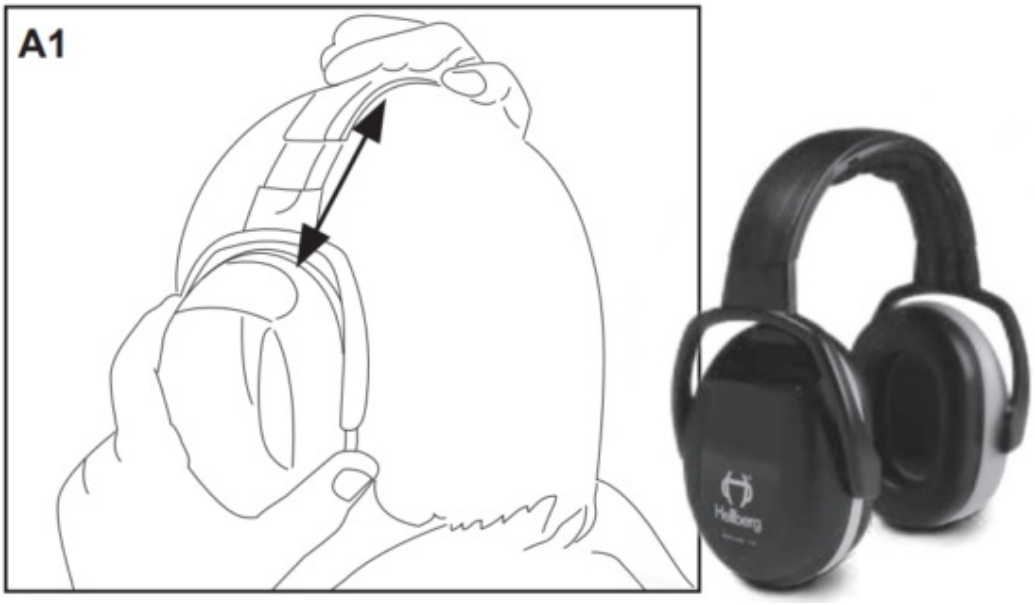
Warning!
It is important that the instructions for use are followed. Failure to do so could result in a drastic reduction in the noise attenuation and may lead to serious injury.

Carefully read these user instructions!

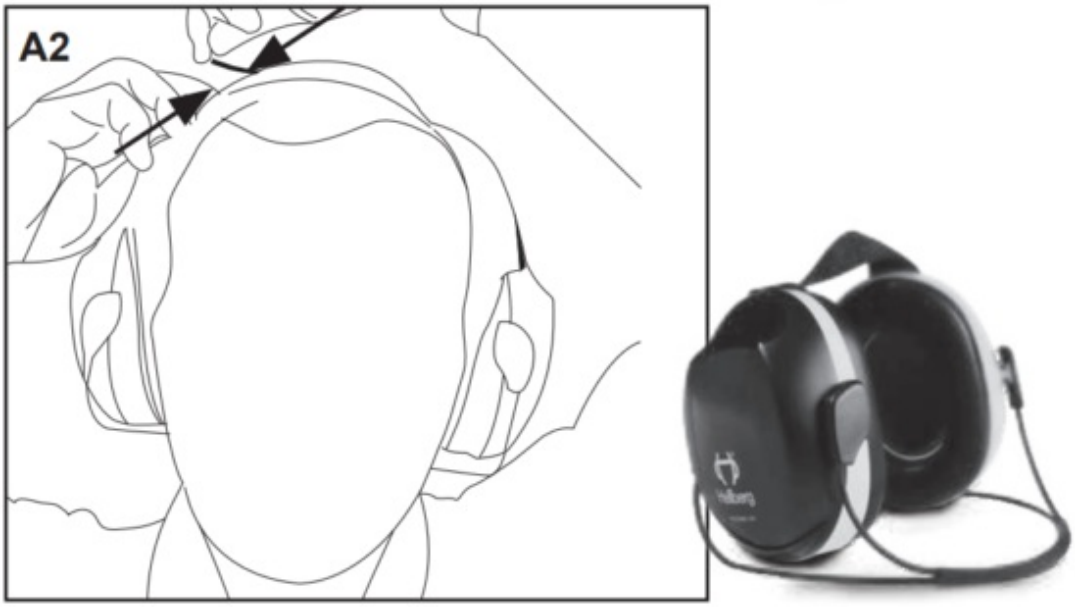
- The hearing protector must be used at all times in noisy environments to provide the full protection effect! Only 100% wear time provides full protection.
- The audibility of warning signals at a specific workplace may be impaired if over protected, when using a hearing protector with a too high noise attenuation performance in relation to the noise environment.
- Certain chemical substances can have a destructive effect on this product. More information is available from the manufacturer.
- Ensure that the hearing protectors are regularly inspected for serviceability.
- The hearing protector's noise attenuating properties can dramatically decrease with usage of for example thick spectacle frames, ski masks/balaclavas, etc.
- Use of perspiration/hygienic protection over the sealing rings can reduce the hearing protector's noise attenuation properties.
- Earmuffs, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and leakage.
- Immediately discard the product if showing signs of cracks or damage.
- Hygiene kit should be changed at least twice per year. Make sure you choose the correct hygiene kit for your hearing protector.
- Clean the product with mild soap. You must be sure that the detergent you use does not irritate the skin. Do not dip the product in water.
- The hearing protector must be stored in a dry and clean environment out of direct sun light, e.g. in its original packaging.

Fitting & adjustment (A)
Brush away all hair from the ears and place the hearing protectors over the ears so that they fit comfortably and snugly. Ensure that the ears are completely enclosed by the hearing protectors and that you have even pressure around the ears.

Headband (A1)
Adjust the headband size so that it rests lightly against the crown of your head.



Neckband (A2)
Adjust the protector to its largest size and put it on. Now adjust the headband strap so that the protector rests lightly on your head.



Helmet/Cap mount (A3)
Push the hearing protectors helmet attachment into the helmet slot until it locks into position. Place the hearing protectors over the ears and press inwards until you hear a click. Adjust the hearing protectors and helmet so that they fit comfortably on your head.

Change of hygiene kit (B)

1. Remove the old sound absorbing foam and insert the new.
2. Pull off the old ear cushion.
3. Centre the new ear cushion over the hole.
4. Press with a finger along the outside of the ear cushion until it attaches all around the edges.
5. Pull off the old head cushion and insert the new.

Approval and technical data (C)
C1) Headband
C2) Neckband
C3) Helmet/Cap mounted
C4) Tested and certified to (standards)
C5) Weight
C6) Mean attenuation
C7) Standard deviation
C8) Assumed Protection Value
C9) Tested and certified by (notified body)
C10) Size: S (small) M (medium) L (large)

SECURE 1					**EN 352-1:2002[C4], Weight:[C5] 227 g, Size: S-M-L[C10]**						
Freq. Hz	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**	**H**	**M**	**L**	**SNR**
Mean att.[C6]	**13,8**	**10,9**	**15,6**	**25,4**	**31,1**	**30,8**	**33,8**	**33,5**				

Std. dev.[C7]	**4,7**	**2,3**	**2,2**	**3,4**	**3,0**	**2,3**	**3,1**	**2,6 30dB 23dB 15dB 26dB**
APV [C8]	**9,1**	**8,6**	**13,4**	**22,0**	**28,1**	**28,5**	**30,7**	**30,9**
SECURE 2				**EN 352-1:2002[C4], Weight:[C5] 248 g, Size: S-M-L[C10]**				
Freq. Hz	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000 H M L SNR**
Mean att.[C6]	**18,2**	**13,6**	**21,8**	**30,7**	**39,4**	**35,8**	**37,6**	**40,0**
Std. dev.[C7]	**5,4**	**3,4**	**2,7**	**3,1**	**3,0**	**2,9**	**2,8**	**4,8 35dB 28dB 18dB 30dB**
APV [C8]	**12,8**	**10,2**	**19,1**	**27,6**	**36,4**	**32,9**	**34,8**	**35,2**
SECURE 3				**EN 352-1:2002[C4], Weight:[C5] 277 g, Size: S-M-L[C10]**				
Freq. Hz	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000 H M L SNR**
Mean att.[C6]	**20,5**	**17,5**	**24,8**	**32,7**	**43,8**	**36,4**	**35,9**	**38,1**
Std. dev.[C7]	**5,4**	**3,0**	**2,4**	**2,6**	**3,7**	**3,5**	**3,1**	**4,1 34dB 31dB 22dB 33dB**
APV [C8]	**15,1**	**14,5**	**22,4**	**30,1**	**40,1**	**32,9**	**32,8**	**34,0**

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Freq.Hz	**125**	**250**	**500**	**1000**	**2000**	**3150**	**4000**	**6300**	**8000 NRR**	**CSA**
Mean.att.C6	**16.7**	**18.1**	**27.8**	**39.5**	**32.0**	**34.1**	**35.8**	**37.8**	**36.3 23dB**	**B**
St.dev.C7	**3.3**	**2.1**	**2.5**	**3.7**	**2.7**	**2.8**	**2.5**	**3.9**	**3.4**	
SECURE 2	**ANSI S-3.19-1974C4, Weight:C5 7.58 oz**									
Freq.Hz	**125**	**250**	**500**	**1000**	**2000**	**3150**	**4000**	**6300**	**8000 NRR**	**CSA**
Mean.att.C6	**17.6**	**20.7**	**31.0**	**40.4**	**35.2**	**38.2**	**35.5**	**39.2**	**38.7 25dB**	**A**
St.dev.C7	**3.2**	**2.3**	**2.4**	**3.2**	**3.0**	**3.4**	**2.3**	**2.8**	**2.7**	

SECURE 3	**ANSI S-3.19-1974C4, Weight:C5 9.77 oz**									
Freq.Hz	**125**	**250**	**500**	**1000**	**2000**	**3150**	**4000**	**6300**	**8000**	**NRR**	**CSA**
Mean.att.C	**18.1**	**24.8**	**33.5**	**42.8**	**37.3**	**36.2**	**38.0**	**39.0**	**38.9**	**28dB**	**A**
St.dev.C7	**2.3**	**2.3**	**2.8**	**2.8**	**2.8**	**2.1**	**3.3**	**1.8**	**2.4**		

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SECURE NeckbandC2

Freq.Hz	125	250	500	1000	2000	3150	4000	6300	8000 NRR	CSA
Mean.att.[C6]	16.7	18.1	27.8	39.5	32.0	34.1	35.8	37.8	36.3 23dB	B
St.dev.[C7]	3.3	2.1	2.5	3.7	2.7	2.8	2.5	3.9	3.4	
SECURE 2	ANSI S-3.19-1974[C4], Weight:[C5] 7.58 oz									
Freq.Hz	125	250	500	1000	2000	3150	4000	6300	8000 NRR	CSA
Mean.att.[C6]	17.6	20.7	31.0	40.4	35.2	38.2	35.5	39.2	38.7 25dB	A
St.dev.[C7]	3.2	2.3	2.4	3.2	3.0	3.4	2.3	2.8	2.7	

SECURE 3 S-M-LC10	EN 352-1:2002C4, Weight:C5 240 g, Size:												
Freq.Hz	63	125	500	1000	2000	3150	4000	6300	8000	H	M	K	SNR
Mean.att.C	18.1	24.8	33.5	42.8	37.3	36.2	38.0	39.0	38.9	28dB	A		
St.dev.C7	2.3	2.3	2.8	2.8	2.8	2.1	3.3	1.8	4.5	35gb	31mb	22mb	33gb
APVC8	12.3	14.4	22.1	29.1	38.5	34.4	35.5	33.5					

SECURE 1								EN 352-3:2002[C4], Weight:[C5] 2 50 g
Freq. Hz	63	125	250	500	1000	2000	4000	8000 H M L SNR
Mean att.[C6]	15,0	15,0	14,7	24,7	33,1	26,8	32,2	34,6

Std. dev.[C7]	**4,2**	**3,1**	**2,9**	**2,9**	**3,2**	**2,7**	**2,8**	**3,7 27dB 23dB 16dB 25dB**
APV [C8] SECURE 2	**10,8**	**11,9**	**11,8**	**21,8**	**29,9**	**24,1**	**29,4**	**30,9 EN 352-3:2002[C4], Weight:[C5] 271 g**
Freq. Hz	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000 H M L SNR**
Mean att.[C6]	**15,0**	**15,0**	**21,0**	**28,1**	**35,3**	**34,0**	**34,0**	**37,3**
Std. dev.[C7]	**4,1**	**2,6**	**3,1**	**3,5**	**4,0**	**3,8**	**4,5**	**4,4 31dB 27dB 19dB 29dB**
APV [C8] SECURE 3	**10,9**	**12,4**	**17,9**	**24,6**	**31,3**	**30,2**	**29,5**	**32,9EN 352-3:2002[C4], Weight :[C5] 300 g**
Freq. Hz	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000 H M L SNR**
Mean att·[C6]	**16,4**	**17,7**	**23,5**	**31,8**	**41,6**	**36,4**	**34,2**	**35,2**
Std. dev.[C7]	**4,3**	**3,3**	**4,2**	**3,5**	**3,4**	**3,8**	**3,9**	**5,7 32dB 29dB 21dB 31dB**
APV [C8]	**12,1**	**14,4**	**19,3**	**28,3**	**38,2**	**32,6**	**30,3**	**29,5**

SECURE Helmet/Cap mountC3

SECURE 1								**EN 352-3:2002[C4], Weight:[C5] 250 g**
Freq. Hz	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000 H M L SNR**
Mean att.[C6]	**15,0**	**15,0**	**14,7**	**24,7**	**33,1**	**26,8**	**32,2**	**34,6**
Std. dev.[C7]	**4,2**	**3,1**	**2,9**	**2,9**	**3,2**	**2,7**	**2,8**	**3,7 27dB 23dB 16dB 25dB**
APV [C8] SECURE 2	**10,8**	**11,9**	**11,8**	**21,8**	**29,9**	**24,1**	**29,4**	**30,9 EN 352-3:2002[C4], Weight:[C5] 271 g**
Freq. Hz	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000 H M L SNR**
Mean att.[C6]	**15,0**	**15,0**	**21,0**	**28,1**	**35,3**	**34,0**	**34,0**	**37,3**
Std. dev.[C7]	**4,1**	**2,6**	**3,1**	**3,5**	**4,0**	**3,8**	**4,5**	**4,4 31dB 27dB 19dB 29dB**
APV [C8] SECURE 3	**10,9**	**12,4**	**17,9**	**24,6**	**31,3**	**30,2**	**29,5**	**32,9 EN 352-3:2002[C4], Weight:[C5] 300 g**
Freq. Hz	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000 H M L SNR**
Mean att.[C6]	**16,4**	**17,7**	**23,5**	**31,8**	**41,6**	**36,4**	**34,2**	**35,2**

Std. dev.[C7]	**4,3**	**3,3**	**4,2**	**3,5**	**3,4**	**3,8**	**3,9**	**5,7 32dB 29dB 21dB 31dB**
APV [C8]	**12,1**	**14,4**	**19,3**	**28,3**	**38,2**	**32,6**	**30,3**	**29,5**

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SECURE 1	**EN 352-1:2002[C4], Weight:[C5] 192 g, Size: S-M-L[C10]**							
Freq. Hz	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000 H M L SNR**
Mean att.[C6]	**12,6**	**11,7**	**15,9**	**22,5**	**30,5**	**31,2**	**34,5**	**33,8**
Std. dev.[C7]	**4,1**	**2,7**	**1,9**	**2,7**	**2,8**	**3,5**	**3,2**	**4,7 29dB 23dB 16dB 26dB**
APV [C8]	**8,5**	**9,0**	**14,0**	**19,8**	**27,7**	**27,7**	**31,3**	**29,1**
SECURE 2	**EN 352-1:2002[C4], Weight:[C5] 215 g, Size: S-M-L[C10]**							
Freq. Hz	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000 H M L SNR**
Mean att.[C6]	**17,9**	**16,4**	**21,9**	**29,0**	**40,2**	**35,9**	**36,2**	**39,0**
Std. dev.C7	**5,4**	**4,1**	**3,8**	**4,0**	**4,9**	**3,3**	**5,8**	**6,1 33dB 27dB 19dB 30dB**
APV [C8]	**12,5**	**12,3**	**18,1**	**25,0**	**35,3**	**32,6**	**30,4**	**32,9**

SECURE 3	**EN 352-1:2002[C4], Weight:[C5] 240 g, Size: S-M-L[C10]**											
Freq. Hz	**63**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**	**H**	**M**	**L**	**SNR**
Mean att.[C6]	**18,1**	**18,7**	**25,2**	**32,2**	**42,6**	**36,1**	**38,9**	**38,0**				
Std. dev.[C7]	**5,8**	**4,3**	**2,7**	**3,1**	**4,1**	**2,7**	**3,4**	**4,5**	**35dB**	**31dB**	**22dB**	**33dB**
APV [C8]	**12,3**	**14,4**	**22,5**	**29,1**	**38,5**	**33,4**	**35,5**	**33,5**				

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Approved helmet combinations (D)
These earmuffs should be fitted to, and used only with the industrial safety helmets listed in table D.

Manufacturer D1	**Helmet modelD2**	**AdapterD3**	**S**	**M**	**L**
Auboueix	Iris 2	30 mm	x	x	x
Bjornklader	Balance HD	30 mm	x	x	x
Bjornklader	Balance AC	30 mm	x	x	x
Casco	PF 100 AS *S,M,L*	30 mm	x	x	x
Centurion	Concept	30 mm		x	x

Cerva	Alpin worker	30 mm		x	x
Irudek	Ekain	30 mm		x	x
Irudek	Stilo 300V	30 mm		x	x
JSP	EVO 2	30 mm	x	x	x
JSP	EVO 3	30 mm	x	x	x
JSP	MK 7	30 mm	x	x	x
JSP	Evolite	30 mm	x	x	x
KASK	Superplasma	30 mm	x	x	x
KASK	Plasma	30 mm	x	x	x
KASK	HP	30 mm	x	x	x
LAS	Rockman S14	30 mm	x	x	x
LAS	Rockman S16	30 mm	x	x	x
LAS	Rockman S17	30 mm	x	x	x
Petzl	STD4	30 mm			x
Petzl	VENTD4	30 mm			x

Petzl	BESTD4	30 mm			x
Schuberth	BER80	30 mm	x	x	x
Schuberth	Electrician 80	30 mm	x	x	x
Scott Safety	Style 300	30 mm	x	x	x
Scott Safety	Style 600	30 mm	x	x	x
Scott Safety	HC710	30 mm	x	x	x
Scott Safety	HC715	30 mm	x	x	x
Scott Safety	HC750	25 mm*1	x	x	x
Singing Rock	Flash IndustryD4	30 mm			x
Singing Rock	Flash AeroD4	30 mm			x
Sundström	SR 570D4	30 mm			x
Singing Rock	Flash AccessD4	30 mm			x
Uvex	Airwing	30 mm	x	x	x
Uvex	Pheos	30 mm	x	x	x
Uvex	Pheos Alpine	30 mm	x	x	x

3M Peltor	G2000	30 mm	x	x	x
3M Peltor	G3000	30 mm	x	x	x
3M	SecureFit X5000	30 mm		x	x
3M	SecureFit X5500	30 mm		x	x

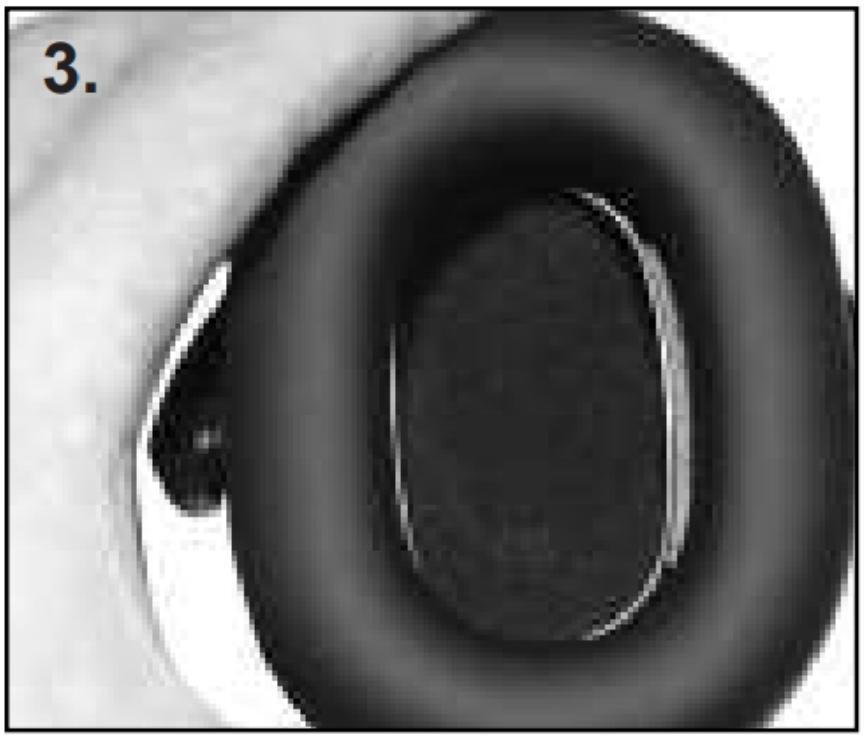
Secure slot adapter Art no. 26108-906
PZT GmbH, Bismarcks trasse 264 B, 26389 Wilhelmshaven, Germany, Notified Body: 1974, Notified by ZLS

D1) Manufacturer
D2) Model
D3) Adapter
D4) Warning! These helmet mounted hearing protectors are suitable for persons with medium to large head size circumference (56-64 cm) and with medium to large height from the top of the head to the center of the ear canal. A smaller height may lead to improper fit and reduce the hearing protector´s noise attenuation properties.

Earmuffs complying with EN 352-3 are of medium size range or small size range or large size range. Medium size range earmuffs will fit the majority of wearers. Small size range or large size range earmuffs are designed to fit wearers for whom medium size range earmuffs are not suitable.

Accessories and spare parts
Hygiene kit Secure: 1 & 2: #99400

Hygiene kit Secure 3: #99401



Information required by E.P.A. (US)
The level of noise entering a person's ear, when a hearing protector is worn as directed, is closely approximated by the difference between the A weighted environmental noise level and the NRR.

Example: The environmental noise level as measured at the ear is 92 dBA. The NRR is 25 decibels (dB).The level of noise entering the ear is approximately equal to 67 dB.

Caution. For noise environments dominated by frequencies below 500 Hz the C-weighted environmental noise level shall be used.

Warning. Improper fit of this device will reduce its effectiveness in attenuating noise. Although hearing protectors can be recommended for protection against the harmful effects of impulse noise, the noise reduction rating (NRR) is based on the attenuation of continuous noise and may not be accurate indicator of the protection attainable against impulse noise such as gunfire.

Contact Us

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Documents / Resources

	SECUREHellberg Secure Professional Hearing Protection [pdf] User Manual Secure Professional Hearing Protection, Hearing Protection

References

- Hellberg Safety | Head Protection
- Hellberg Safety