

# Technical datasheet

SECURE 1N, 43001-001

SECURE 2N, 43002-001

SECURE 3N, 43003-001



## DESCRIPTION

The SECURE neckband style earmuff offers great versatility to the user. A perfect solution when you need hearing protection in conjunction with bump caps, helmets without attachment slots or head mounted face protection. The strong and easy adjustable head support strap ensures that the earmuff stay in position at all times.

- Velcro head support strap
- Performance differentiated by color
- Ear cushions with “snap in” system for easy replacement
- Non-conductive

## APPLICATIONS

SECURE 1 is suitable for general industrial work environments. Best choice in low to medium noise levels (dB) and medium to high frequency noise.

SECURE 2 is for work environments with a medium to high noise level (dB) Best choice in high frequency noise.

SECURE 3 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 SECURE 1N	192g
Weight SECURE 2N	215g
Weight SECURE 3N	240g

## ATTENUATION DATA

SECURE 1N, EN 352-1:2002, H-29, M-23, L-16, SNR-26									
Frequency Hz	63	125	250	500	1000	2000	4000	8000	
Mean Att.	12,6	11,7	15,9	22,5	30,5	31,2	34,5	33,8	
Std. dev	4,1	2,7	1,9	2,7	2,8	3,5	3,2	4,7	
APV	8,5	9,0	14,0	19,8	27,7	27,7	31,3	29,1	

SECURE 1N, ANSI S-3.19-1974, NRR-23, CSA B									
Frequency Hz	125	250	500	1000	2000	3150	4000	6300	8000
Mean Att.	16.7	18.1	27.8	39.5	32.0	34.1	35.8	37.8	36.3
Std. dev	3.3	2.1	2.5	3.7	2.7	2.8	2.5	3.9	3.4

SECURE 2N, EN 352-1:2002, H-33, M-27, L-19, SNR-30									
Frequency Hz	63	125	250	500	1000	2000	4000	8000	
Mean Att.	17,9	16,4	21,9	29,0	40,2	35,9	36,2	39,0	
Std. dev	5,4	4,1	3,8	4,0	4,9	3,3	5,8	6,1	
APV	12,5	12,3	18,1	25,0	35,3	32,6	30,4	32,9	

SECURE 2N, ANSI S-3.19-1974, NRR-25, CSA A									
Frequency Hz	125	250	500	1000	2000	3150	4000	6300	8000
Mean Att.	17.6	20.7	31.0	40.4	35.2	38.2	35.5	39.2	38.7
Std. dev	3.2	2.3	2.4	3.2	3.0	3.4	2.3	2.8	2.7

SECURE 3N, EN 352-1:2002, H-35, M-31, L-22, SNR-33									
Frequency Hz	63	125	250	500	1000	2000	4000	8000	
Mean Att.	18,1	18,7	25,2	32,2	42,6	36,1	38,9	38,0	
Std. dev	5,8	4,3	2,7	3,1	4,1	2,7	3,4	4,5	
APV	12,3	14,4	22,5	29,1	38,5	33,4	35,5	33,5	

SECURE 3N, ANSI S-3.19-1974, NRR-27, CSA A									
Frequency Hz	125	250	500	1000	2000	3150	4000	6300	8000
Mean Att.	18.9	22.8	32.2	41.8	36.8	35.9	37.6	39.4	38.3
Std. dev	2.9	2.2	2.2	2.7	2.7	2.3	2.4	2.8	3.2

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SECURE 2N, 43002-001

SECURE 3N, 43003-001



## MATERIAL DATA

Part	Material
1 Textile headband	Nylon with velcro
2. Neckband attachment	POM
3. Neckband	Electric insulated stainless steel
4. Earcups	ABS
5. Ear cushion	Polyeter & PVC-foil
6. Foam liner	Polyether
7. Spacer (colour ring)	ABS

## ORDER INFORMATION

Part no	Description
SECURE 1N	43001-001
SECURE 2N	43002-001
SECURE 3N	43003-001



## ACCESSORIES

Part	Description
99400	SECURE hygiene kit 1 & 2
99401	SECURE hygiene kit 3
99900	FRESH sweat absorber
61100-001	SAFE3 carrier

## 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 specreacle 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.