

# Technical datasheet

SECURE 1H, 41001-001

SECURE 2H, 41002-001

SECURE 3H, 41003-001



## DESCRIPTION

The SECURE headband offers great comfort and quality to all professional users in three different levels of protection clearly indicated with bright safety colors for easy identification and selection. The slim profile design increases stability and reduces the risk of snagging in confined areas. Light and durable headband construction with soft cushions and easy size adjustment provides perfect fit for all head sizes.

- Performance differentiated by color
- Ear and headband cushions with “snap in” system for easy replacement
- Smooth telescopic size adjustment for increased comfort, stability and wear time

## 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 1H | 227g |
| Weight SECURE 2H | 248g |
| Weight SECURE 3H | 277g |

## ATTENUATION DATA

| SECURE 1H, EN 352-1:2002, H-30 M-23 L-15 SNR 26 |      |      |      |      |      |      |      |      |  |
|---|------|------|------|------|------|------|------|------|--|
| Frequency Hz                                    | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |  |
| Mean Att.                                       | 13,8 | 10,9 | 15,6 | 25,4 | 31,1 | 30,8 | 33,8 | 33,5 |  |
| Std. dev  | 4,7  | 2,3  | 2,2  | 3,4  | 3,0  | 2,3  | 3,1  | 2,6  |  |
| APV   | 9,1  | 8,6  | 13,4 | 22,0 | 28,1 | 28,5 | 30,7 | 30,9 |  |

| SECURE 1H, ANSI S-3.19-1974, NRR-23, CSA B |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|
| Frequency Hz                               | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 |
| Mean Att.                                  | 13.8 | 19.4 | 28.7 | 39.0 | 32.5 | 34.5 | 34.6 | 36.5 | 35.7 |
| Std. dev                                   | 2.5  | 2.4  | 3.1  | 3.3  | 2.6  | 3.0  | 2.7  | 2.4  | 3.1  |

| SECURE 2H, EN 352-1:2002, H-35, M-28, L-18, SNR-30 |      |      |      |      |      |      |      |      |  |
|--|------|------|------|------|------|------|------|------|--|
| Frequency Hz                                       | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |  |
| Mean Att.  | 18,2 | 13,6 | 21,8 | 30,7 | 39,4 | 35,8 | 37,6 | 40,0 |  |
| Std. dev   | 5,4  | 3,4  | 2,7  | 3,1  | 3,0  | 2,9  | 2,8  | 4,8  |  |
| APV  | 12,8 | 10,2 | 19,1 | 27,6 | 36,4 | 32,9 | 34,8 | 35,2 |  |

| SECURE 2H, ANSI S-3.19-1974, NRR 26, CSA A |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|
| Frequency Hz                               | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 |
| Mean Att.                                  | 17.0 | 21.7 | 31.1 | 41.9 | 36.1 | 37.6 | 37.0 | 38.8 | 38.8 |
| Std. dev                                   | 2.9  | 1.7  | 2.5  | 2.8  | 2.6  | 3.6  | 4.1  | 2.5  | 3.9  |

| SECURE 3H, EN 352-1:2002, H-34, M-31, L-22 SNR-33 |      |      |      |      |      |      |      |      |  |
|---|------|------|------|------|------|------|------|------|--|
| Frequency Hz                                      | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |  |
| Mean Att.   | 20,5 | 17,5 | 24,8 | 32,7 | 43,8 | 36,4 | 35,9 | 38,1 |  |
| Std. dev  | 5,4  | 3,0  | 2,4  | 2,6  | 3,7  | 3,5  | 3,1  | 4,1  |  |
| APV   | 15,1 | 14,5 | 22,4 | 30,1 | 40,1 | 32,9 | 32,8 | 34,0 |  |

| SECURE 3H, ANSI S-3.19-1974, NRR 28, CSA A |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|
| Frequency Hz                               | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 |
| Mean Att.                                  | 18.1 | 24.8 | 33.5 | 42.8 | 37.3 | 36.2 | 38.0 | 39.0 | 38.9 |
| Std. dev                                   | 2.3  | 2.3  | 2.8  | 2.8  | 2.8  | 2.1  | 3.3  | 1.8  | 2.4  |

# Technical datasheet

SECURE 1H, 41001-001

SECURE 2H, 41002-001

SECURE 3H, 41003-001



## MATERIAL DATA

| Part                    | Material            |
|-------------------------|---------------------|
| 1 Headband              | POM                 |
| 2. Earcups              | ABS                 |
| 3. Ear cushion          | Polyeter & PVC-foil |
| 4. Headband cushion     | Polyether & Lycra   |
| 5. Foam liner           | Polyether           |
| 6. Spacer (colour ring) | ABS                 |

## ORDER INFORMATION

| Part no   | Description |
|-----------|-------------|
| SECURE 1H | 41001-001   |
| SECURE 2H | 41002-001   |
| SECURE 3H | 41003-001   |



## ACCESSORIES

| Part      | Description              |
|-----------|--------------------------|
| 99400     | SECURE hygiene kit 1 & 2 |
| 99401     | SECURE hygiene kit 3     |
| 99900     | FRESH sweat absorber     |
| 20902-001 | SECURE SAFE1 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 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.