

## INSTRUCTIONS FOR USE NP111 & NP117

Fig. 1: Pull the cups outward and position the hearing protector over your ears so that the cushions fully enclose the ears and seal tightly against the head.



Fig. 2: Adjust the height of each cup on both sides while holding the headband down until you have a tight and comfortable fit.



Fig. 3: The headband should sit straight on the head.



## INSTRUCTIONS FOR USE NP114

Fig. 1: Insert the headband into the hard hat's slots until they snap into place. When in use, the wire bands must be pushed inward until you hear a 'click' on both sides, indicating a shift from 'stand-by' to 'usage' position.



Make sure the cups and wire bands are not in contact with the inner lining or the edge of the hard hat when in the 'usage' position, otherwise this may lead to leakage.

NOTE that the cups can be placed in three positions:

Fig. 2: usage position



Fig. 3: stand-by position



Fig. 4: storage position



**IMPORTANT:** For optimal protection, ear cushions should seal firmly against the head. Anything that interferes with the seal such as long hair (pull back to the extent possible), thick or poorly fitting eyeglass temples, pencils, or caps, will lessen the protection. Do not bend and reshape the headband as this will cause a loose fit and sound leakage.

## ATTENUATION TABLE (DECIBELS)

### NP111 Spitfire

EN352-1:2002

| Frequency(HZ)                                  | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|--|------|------|------|------|------|------|------|
| Mean attenuation(dB)                           | 15,9 | 19,2 | 28,1 | 37,7 | 37,5 | 40,1 | 37,5 |
| Standart deviation(dB)                         | 1,9  | 2,0  | 2,3  | 2,4  | 2,0  | 2,9  | 2,8  |
| Mean-minus-standard deviation attenuations(dB) | 14   | 17,2 | 25,8 | 35,3 | 35,5 | 37,2 | 34,6 |

H=36dB, M=28dB, L=20dB, SNR=31dB

### NP117 B52

EN352-1:2002

| Frequency(HZ)                                  | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|--|------|------|------|------|------|------|------|
| Mean attenuation(dB)                           | 21,7 | 23,8 | 33,3 | 38,2 | 35,9 | 41,5 | 39,6 |
| Standart deviation(dB)                         | 2,8  | 2,2  | 2,7  | 2,8  | 2,8  | 3,4  | 3,0  |
| Mean-minus-standard deviation attenuations(dB) | 18,8 | 21,6 | 30,6 | 35,4 | 33,1 | 38,1 | 36,6 |

H=35dB, M=31dB, L=25dB, SNR=34dB

### NP114 Hercules

EN352-3:2002

| Frequency(HZ)                                  | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|--|------|------|------|------|------|------|------|
| Mean attenuation(dB)                           | 16,1 | 20,6 | 28,9 | 36,3 | 37,8 | 35,8 | 36,2 |
| Standart deviation(dB)                         | 3,2  | 3,4  | 3,1  | 3,1  | 3,5  | 3,4  | 4,2  |
| Mean-minus-standard deviation attenuations(dB) | 12,9 | 17,2 | 25,8 | 33,2 | 34,3 | 32,5 | 32,1 |

H=34dB, M=27dB, L=19dB, SNR=30dB

## CARE AND CLEANING INSTRUCTIONS

1. Clean the outside of the ear muff regularly with soap and lukewarm water. Do not immerse in water.
2. Do not store the Ear muff in temperatures above 55 C, for example behind the windscreen or window.
3. Earmuffs must be regularly inspected for cracked or worn parts and replaced as needed. Typical life for foam cushion is 6 months.

**Note:** if these recommendations are not followed, both attenuation and function may be impaired.

**Hygiene kit:** Conveniently replaceable hygiene kit consisting of two damping pads and snap-in-type ear cushions. Recommended replacement interval is at least twice a year in order to ensure constant attenuation, hygiene and comfort levels.

### EXAMPLE:

1. The environmental noise level as measured at the ear is 92 dBA.
2. The SNR is 24 decibels (dB).
3. The level of noise entering the ear is approximately equal to 68 dBA.

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 SNR.

The EU Declaration of Conformity can be downloaded from our website [www.edge-safety.eu](http://www.edge-safety.eu) by going to the dedicated section of the product.

### CAUTION

For noise environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used. Hearing protector must be worn at all times in noisy surroundings for proper protection. Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the noise reduction rating SNR is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise as gunfire.



The polybag may present a choking hazard. Keep away from children

CE2777

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**SAFETY EQUIPMENT**