

Sordin Classic HPE

Passive hearing protector with high-level attenuation

Headband version | Helmet version



DESCRIPTION

Sordin Classic HPE is a passive hearing protector with excellent comfort and robustness. Thick, soft, foam-filled sealing rings offer good comfort and a perfect seal. The product can be combined with a selection of visors and is suitable for a wide range of industrial environments.

Sordin Classic HPE is designed for high-noise environments, where users are subjected to a noise level above 110 dB(A), particularly low-frequency noise. The product is available in headband or helmet version.

AVAILABLE IN



Can, for extreme high attenuation, be combined with Sordin InEar products.

KEY FEATURES

| | |
|----------------------------|--|
| Attenuation level | High – noise level above 110 dB(A) |
| Headband | Extra wide headband reduces pressure on the head, ensuring a comfortable and secure fit. |
| Mounting | Two-point cup-mounting system distributes the pressure evenly around the sealing rings. |
| Sure-grip | Sure-grip headband simplifies donning and doffing, even when wearing gloves. |
| Inserts replacement | Easy to replace inserts and sealing rings using Sordin hygiene kits. |

MATERIALS

| | |
|---------------------------|-------------------|
| Cups | ABS |
| Attenuation foam | PU |
| Foam sealing rings | ABS, PVC, PU foam |
| Headband | POM |
| Cup supporting arm | PA |
| Adapter, holder | PA |
| Spring cover | PP |
| Screws and screws | Stainless steel |

TECHNICAL INFORMATION

| | |
|---|-----------------|
| Weight – headband / helmet | 249 / 233 grams |
| Operating conditions | -20°C to +55°C |
| Complies with following environmental directives | REACH |

EN APPROVAL

Tests and certificates

Tested and certified to EN 352-1:2020, EN 352-3:2020, EN 352-4/A1:2005 and EN 352-8:2008 IEC 62368-1 (EN 62368-1+A11), IEC 62133-2:2017 and 2014/53/EU Radio Equipment Directive RED Certificate: CE 737872 (headband and helmet versions).
Notified body: BSI Netherlands (NB 2797)



ATTENUATION DATA

Sordin Classic HPE headband



| | H | M | L | SNR | NRR | | | |
|--------------------------------|-------|-------|-------|--------------|--------------|-------|-------|-------|
| | 35 dB | 31 dB | 26 dB | 34 dB | 26 dB | | | |
| Frequency (Hz) | 63 | 125 | 250 | 500 | 1 000 | 2 000 | 4 000 | 8 000 |
| Mean attenuation, M_f (dB) | 19.6 | 24.3 | 25.7 | 31.0 | 34.9 | 36.2 | 40.6 | 39.7 |
| Standard Deviation, s_f (dB) | 2.6 | 2.9 | 3.6 | 2.7 | 3.2 | 2.7 | 2.7 | 4.1 |
| APV ($M_f - s_f$) (dB) | 17.0 | 21.4 | 22.1 | 28.4 | 31.6 | 33.4 | 38.0 | 35.6 |

Sordin Classic HPE helmet



| | H | M | L | SNR | NRR | | | |
|--------------------------------|-------|-------|-------|--------------|--------------|-------|-------|-------|
| | 33 dB | 29 dB | 23 dB | 31 dB | 26 dB | | | |
| Frequency (Hz) | 63 | 125 | 250 | 500 | 1 000 | 2 000 | 4 000 | 8 000 |
| Mean attenuation, M_f (dB) | 19.1 | 20.1 | 22.4 | 27.9 | 34.7 | 33.2 | 39.1 | 40.5 |
| Standard Deviation, s_f (dB) | 3.8 | 2.9 | 2.2 | 3.0 | 2.3 | 3.1 | 2.9 | 3.2 |
| APV ($M_f - s_f$) (dB) | 15.2 | 17.2 | 20.1 | 25.0 | 32.5 | 30.1 | 36.1 | 37.3 |

Approved helmet combinations

| Model | Adapter type number | Approved sizes |
|--------------------|---------------------|----------------|
| 3M SecureFit X5500 | 16 | S/M/L |

What adapter do you need for your helmets. See latest list on www.sordin.com/classic

ORDERING INFORMATION

Sordin Classic HPE

| Product no | Version | Color | Ring |
|--------------|--|-------|------|
| 813004-10P | Sordin Classic HPE headband | Black | Foam |
| 813004-3014P | Sordin Classic HPE helmet – adapter 14 | Black | Foam |
| 813004-3016P | Sordin Classic HPE helmet – adapter 16 | Black | Foam |
| 813004-3017P | Sordin Classic HPE helmet – adapter 17 | Black | Foam |
| 813004-3020P | Sordin Classic HPE helmet – adapter 20 | Black | Foam |

Accessories

| Product no | Version |
|------------|--|
| 81H-3001P | Hygiene kit Sordin Classic HPE – 1 pair of foam rings, 1 pair of inserts |