

# EU Type Examination Certificate

This is to certify that:

Sordin AB  
Rostugnsvägen 17  
Vikmanshyttan  
776 70  
Sweden

Holds Certificate Number:

CE 708856

In respect of:

**Hearing protectors to EN 352-1:2020, EN 352-4:2020 and EN 352-6:2020**  
**Neckband mounted ear-muffs**  
**Models: Supreme Pro and Pro-X Neckband.**

on the basis that BSI carried out the relevant Type Examination procedures under the requirements with the Regulation (EU) 2016/425 of the European Parliament and Council relating to Personal Protective Equipment Regulation (PPE) Annex V (Module B) and meets the relevant health and safety requirements specified in Annex II

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):



Denelise L'Ecluse, Managing Director Assurance - Continental Europe

First Issued: 2019-05-29

Latest Issue: 2024-06-05

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No. CE 708856

## Product Specification

**Product Type:** Hearing protectors – Neckband mounted ear-muffs.

**Models:** Supreme Pro Neckband  
Supreme Pro-X Neckband.

**Technical Specifications:** Harmonized European Standard: EN 352-1:2020  
Harmonized European Standard: EN 352-4:2020  
Harmonized European Standard: EN 352-6:2020

**Product Descriptions:** The two models of recreational/leisure market orientated neckband mounted ear-muffs incorporate electronics for reproduction of ambient sound and incorporate an input for an external acoustic source, for example communications radio, hunting radio, mobile phone etc.

Supreme Pro  
The water protected earmuffs are fitted with either foam or gel ear cushions.

Supreme Pro-X  
The waterproof earmuffs are fitted with either foam or gel ear cushions.

**EN 352 classifications:** Behind-the-head ear-muff  
(both models) The models are in the Small, Medium and Large size ranges.

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## Product Assessments

The product assessments were based on the following standards:

EN 352-1:2020, hearing protectors – ear-muffs

EN 352-4:2020, hearing protectors – level-dependent ear-muffs

EN 352-6:2020, hearing protectors – ear-muffs with safety related audio input.

### EN 352-1:2020 - Attenuation values PVC Cushions all models

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	14.3	18.8	22.9	26.6	25.4	35.5	35.3
Standard Deviation (dB)	3.3	2.9	2.8	3.3	3.1	3.5	3.6
APV (dB)	11.0	11.9	20.1	23.2	22.3	31.9	31.7

**SNR<sub>m</sub>: 25.9**

**H<sub>m</sub>: 28**

**M<sub>m</sub>:23.6**

**L<sub>m</sub>:18.2**

**SNR<sub>s</sub>: 2.1**

**H<sub>s</sub>:2.8**

**M<sub>s</sub>:2.1**

**L<sub>s</sub>:2.5**

**SNR (dB): 24**

**H: 25dB**

**M: 21dB**

**L: 16dB**

**Weight (PVC Cushions): 267.2g**

### EN 352-1:2020 - Attenuation values Gel Cushions all models

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	16.9	20.0	23.9	26.7	26.6	35.5	38.0
Standard Deviation (dB)	3.3	3.1	3.8	3.3	3.1	4.5	4.9
APV (dB)	13.7	16.9	20.1	23.4	23.5	31.0	33.1

**SNR<sub>m</sub>: 27.7**

**H<sub>m</sub>: 28.9**

**M<sub>m</sub>:25.4**

**L<sub>m</sub>:21.6**

**SNR<sub>s</sub>: 2.7**

**H<sub>s</sub>:3.1**

**M<sub>s</sub>:2.8**

**L<sub>s</sub>:2.5**

**SNR (dB): 25**

**H: 26dB**

**M: 23dB**

**L: 19dB**

**Weight (Gel Cushions): 327.0g**

### EN 352-4:2020 - Criterion Levels all models

<b>High Frequency Sound Pressure Level (H)</b>	111.9 dBA
<b>Medium Frequency Sound Pressure Level (M)</b>	105.1 dBA
<b>Low Frequency Sound Pressure Level (L)</b>	94.1 dBA

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## Certificate Administration Details

### Technical File References:

Product	Technical File
Supreme Pro Neckband Supreme Pro-X Neckband.	Supreme Pro Neckband Technical File Supreme Pro-X Neckband Technical File.

### Certificate Amendment Record:

Issue date	Comments	BSI Review No.
May 2019	First issue under PPE Regulation (EU) 2016/425.	0086:19:9749066
June 2024	5 year Certification renewal and update of Standards EN 352-1, EN352-4 and EN 352-6	2797:24:30187339

### Certificate validity

The Certificate holder is responsible for ensuring that the Notified Body is advised of changes to any aspect of the overall process utilised in the manufacture of the product, failure to do so could invalidate the Certificate in respect of product manufactured following the introduction of such changes.

The validity of the Certificate for the products is also dependent on the maintenance of the EU Conformity to Type Based on Quality Assurance of the Production Process, Annex VIII (Module D), as referenced on BSI issued Certificate CE 708855.

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