

HEARING PROTECTION



NoiseGard®

Hearing Protection

Essential for Your Safety

Protecting your hearing is vital. Noise-induced hearing loss is often irreversible, making proactive measures essential. NoiseGard® provides advanced solutions designed to safeguard your ears in various noisy environments. Whether you're in a loud workplace, attending concerts, or participating in other activities with high noise levels, investing in quality hearing protection can help prevent long-term damage and preserve your hearing health.

Why Hearing Protection Matter?

Noise-induced hearing loss is one of the most common problems people face at work. It happens slowly and painlessly, so many don't notice it until it's too late. What makes it so serious is that once your hearing is damaged, it can't be fixed.

What is Noise?

Noise is made up of loud sounds that can damage your hearing. But it's not just your hearing that suffers; noise can also be annoying and distracting. Even quieter sounds, like a ticking clock or a dripping tap, can make it hard to concentrate.

What Happens When You're Exposed to Noise?

Every day, we're exposed to noise from all sorts of sources, which constantly stresses our ears. This daily noise can cause permanent hearing loss.

But noise affects more than just your ears. It can stress your entire body without you even realizing it. Constant noise can make it hard to concentrate, upset your stomach, raise your blood pressure, and even increase the risk of a heart attack.

That's why protecting your hearing is so important. It's not just about saving your hearing but also about keeping your whole body healthy. Make sure to use hearing protection in noisy environments to avoid these risks.

SNR, or Single Number Rating, is a measure used to indicate the effectiveness of hearing protection devices in reducing noise exposure. It represents the average sound reduction level in decibels (dB) that the device provides across different frequencies. A higher SNR value means better noise attenuation, offering greater protection against loud sounds.

Brief overview of how SNR is used:

- **Determine the noise level:**

Measure or estimate the average noise level in your environment.

- **Choose hearing protection with appropriate SNR:**

Select earplugs or earmuffs with an SNR that reduces the noise level to a safe threshold, typically below 85 dB.

- **Apply the SNR value:**

Subtract the SNR value from the measured noise level to estimate the effective noise exposure when wearing the protection.

For example, if you're in an environment with a noise level of 100 dB and use earplugs with an SNR of 30, the estimated noise exposure would be 70 Db.

Using products with appropriate SNR ratings ensures that you are effectively protecting your hearing based on the specific noise levels you encounter.

The **EN 352** series is a set of European standards that specifies the requirements for hearing protection devices. The series is divided into several parts, each addressing different types of hearing protection:

EN 352-1: Ear Muffs

This part of the standard specifies requirements for ear muffs, which are designed to reduce the level of noise reaching the ears.

Key aspects include:

- **Attenuation Levels:**

The ear muffs must provide adequate noise reduction (attenuation) levels, which are tested across different frequencies.

- **Design and Construction:**

Ear muffs must be comfortable to wear for extended periods, with adjustable headbands to ensure a secure fit.

- **Materials:**

The materials used should be durable and suitable for different environmental conditions.

- **Marking:**

Each ear muff must be clearly marked with the manufacturer's details, the standard number (EN 352-1), and the attenuation values.

- **Testing:**

Ear muffs must undergo various tests to ensure they meet the standard's performance criteria, including mechanical strength, temperature resistance, and hygiene requirements.

EN 352-2: Ear Plugs

This part of the standard specifies requirements for ear plugs, which are inserted into the ear canal to reduce noise levels.

Key aspects include:

- **Attenuation Levels:**

plugs must provide effective noise reduction, which is tested across different frequencies.

- **Design and Fit:**

Ear plugs should be designed to fit comfortably in the ear canal and stay in place during use.

- **Materials:**

The materials must be non-toxic, hypoallergenic, and durable.

- **Marking and Instructions:**

Each package of ear plugs must be marked with the manufacturer's details, the standard number (EN 352-2), and instructions for use.

- **Testing:**

Ear plugs must pass tests for mechanical properties, hygiene, and user comfort to ensure they meet the standard's performance criteria.

EN 352-3: Ear Muffs Attached to a Safety Helmet

This part of the standard specifies requirements for ear muffs that are integrated with or attached to a safety helmet.

Key aspects include:

- **Attenuation Levels:**

The ear muffs must provide effective noise reduction, similar to standalone ear muffs.

- **Compatibility:**

The ear muffs must be compatible with the specific safety helmets they are designed to be attached to.

- **Design and Construction:**

The attachment mechanism should allow the ear muffs to be securely fitted to the helmet and easily adjusted for user comfort.

- **Materials:**

The materials must be durable and suitable for the environments in which the helmet and ear muffs will be used.

- **Marking:**

Each pair of ear muffs must be marked with the manufacturer's details, the standard number (EN 352-3), and attenuation values.

- **Testing:**

Ear muffs attached to helmets must undergo tests to ensure they meet performance criteria, including mechanical strength, temperature resistance, and ease of attachment.

By complying with these standards, manufacturers ensure that their hearing protection devices provide adequate protection against harmful noise levels, are comfortable to use, and are durable in various environmental conditions.



NoiseGard®

Head Mount Active Earmuff

EM3510

CE 2834 EN 352



Product Specification

Style	Head Mount
Ear cups	ABS
Colour	Black
Cushion	PVC
Headband Material	Polyoxymethylene
SNR	32dB
Bluetooth	5.3
Battery Capacity	1000 mAh
IP54	Yes

Packaging Information

1 Pc / Box
20 Pcs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-NG-ALHM-32DB-BK	OSFM	810148533632	00810148533649



Large 1000mAh Battery



Protection Against Splashing



Available with SNR 32dB Attenuation Value



IAL Intelligent Active Listening



Bluetooth Dual Connect Mode



Noise Cancelling Boom Microphone

Passive Earmuffs

NoiseGard® Series

EM1110 Head Mount Ear Muff

CE 2754 EN 352-1:2020

Product Specification

Style	Head Mount
Ear cups	ABS
Colour	Red
Cushion	PVC
Headband Material	Polyoxymethylene
SNR	29dB
HML	33, 27, 17



Packaging Information

1 Pc / Box
50 Pcs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-NG-2400-29DB-R	OSFM	810148533595	00810148533601

EM2310 Head Mount Ear Muff

CE 2754 EN 352-1:2020

Product Specification

Style	Head Mount
Ear cups	ABS
Colour	Black
Cushion	PVC
Headband Material	Neoprene & pu leather
SNR	36dB
HML	38, 34, 28



Packaging Information

1 Pc / Box
20 Pcs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-NG-3020GT-36DB-BK	OSFM	810148530167	00810148530198

EM3210 Head Mount Ear Muff

CE 2754 EN 352-1:2020

Product Specification

Style	Head Mount
Ear cups	ABS
Colour	Black
Cushion	PVC
Headband Material	Polyoxymethylene
SNR	32dB
HML	38, 30, 22



Packaging Information

1 Pc / Box
20 Pcs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-NG-X3M-32DB-BL	OSFM	810148533533	00810148533540

EM3310 Head Mount Ear Muff

CE 2754 EN 352-1:2020

Product Specification

Style	Head Mount
Ear cups	ABS
Colour	Black
Cushion	PVC
Headband Material	Polyoxymethylene
SNR	34dB
HML	37, 31, 24



Packaging Information

1 Pc / Box
20 Pcs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-NG-X5M-34DB-BK	OSFM	810148533557	00810148533564

EM3230 Helmet Mount Ear Muff

CE 2754 EN 352-3:2020

Product Specification

Style	Helmet Mount
Ear cups	ABS
Colour	Black
Cushion	PVC
SNR	31dB
HML	37, 31, 24



Packaging Information

1 Pc / Box
20 Pcs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-NG-X3HM-31DB-Y	OSFM	810148533571	00810148533588

EM2230 Helmet Mount Ear Muff

CE 2754 EN 352-3:2020

Product Specification

Style	Helmet Mount
Ear cups	ABS
Colour	Black
Cushion	PVC
SNR	33dB
HML	37, 31, 23



Packaging Information

1 Pc / Box
20 Pcs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-NG-PSHM-33DB-BK	OSFM	810148533618	00810148533625

Disposable & Re-usable Ear Plugs

NoiseGard® Series

EP1112

Disposable Corded PU Ear Plug

€ 2797

EN 352-2:2020

Product Specification

Style	Disposable
Material	Polyurethane Foam
Colour	Orange
Shape	Tapered
SNR	37dB
HML	36,35,34
Cord type	Corded



Packaging Information

1 Pair / Polybag
500 Pairs / Master Polybag
2000 Pairs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-ES-DCEP-O	OSFM	810090089935	00810090089966

EP1111

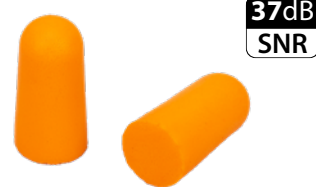
Disposable PU Ear Plug

€ 2797

EN 352-2:2020

Product Specification

Style	Disposable
Material	Polyurethane Foam
Colour	Orange
Shape	Tapered
SNR	37dB
HML	36,35,34
Cord type	Uncorded



Packaging Information

500 Pairs / Master Polybag
2000 Pairs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-ES-DEP-O	OSFM	810148534936	00810148534981

EP3232 | EP3232B

Re-usable Corded TPR Ear Plug

€ 2797

EN 352-2:2020

Product Specification

Style	Re-usable
Material	TPR
Colour	Orange
Shape	Multi-Flange
SNR	31dB
HML	31,28,27
Cord type	Corded



Packaging Information

1 Pair / Polybag
100 Pairs / Master Polybag
500 Pairs / Carton

Also available with Storage box option .

Model No.	Product SKU	Size	Inner pack UPC	Carton GTIN
EP3232	BLSH-ES-RCEP-O	OSFM	810090089942	00810090089973
EP3232B	BLSH-ES-RCEP-BX-O	OSFM	810090089959	00810090089980

EP3231

Re-usable TPR Ear Plug

€ 2797

EN 352-2:2020

Product Specification

Style	Re-usable
Material	TPR
Colour	Orange
Shape	Multi-Flange
SNR	31dB
HML	31,28,27
Cord type	Uncorded



Packaging Information

2000 Pairs / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-ES-REP-O	OSFM	810148534943	00810148534950

EP3233

Re-usable TPR Ear Plug with Neckband

€ 2797

EN 352-2:2020

Product Specification

Style	Re-usable
Material	TPR
Colour	Blue
Shape	Multi-Flange
SNR	27dB
HML	27,24,23
Cord type	Neckband



Packaging Information

1 Piece / Polybag

Product SKU	Size
BLSH-ES-RCEP-BX-O	OSFM

EPD001

Disposable Ear Plug Dispenser with Disposable Ear Plugs

€ 2797

EN 352-2:2020

Product Specification

Style	Disposable
Material	ABS
Colour	Black
Cord type	Uncorded



Disposable Ear Plug
with Dispenser

Packaging Information

1 Set / Carton

Product SKU	Size	Inner pack UPC	Carton GTIN
BLSH-ES-DEPD-CLBK-1	OSFM	810148534998	00810148535001

EMC210

CE 2834 EN 352

NoiseGard®-Comm Communication Ear Muff



Detachable
Lithium Battery



Soft Cushion Head Band



Digital & Analog Communication



Control Buttons



External Cables Option



PTT Button



Bluetooth Button

Product Specification

working voltage	3.3~5.5V
Connected standby time (off)	≈1year (Base on actual battery consumption)
Continuous working time (on)	≈8h
Speaker size	Φ27mm
Speaker impedance	32Ω
Battery type	3.7V lithium battery
Headphone battery capacity	2200mAh
Supported audio	Bluetooth intercom microphone input
Headphone off current	≤5uA
Headphone on current	≤25mA
Working environment temperature range	-10oC-40oC
Storage environment temperature range	-20oC-60oC



EP3164

Disposable Metal Detectable PU Ear Plug

CE 2797

EN 352-2:2020

Product Specification	
Style	Disposable
Material	Polyurethane Foam
Colour	Blue
Shape	Tapered
SNR	37dB
HML	36,35,34
Cord type	Metal Detectable Cord

Metal Detectable Ear plugs

There is no metal ball inside, and it can be detected even if it is torn into pieces. Small fragments can also be detected.

Soft PU foam

Comfortable for long time use.

Packaging Information

1 Pair / Polybag

Product SKU	Size
BLSH-MD-DCEP-B	OSFM

Metal Detectable Cord

Soft, same as normal cord but metal-detectable.

EP3274

Re-usable Metal Detectable TPR Ear Plug

CE 2797

EN 352-2:2020

Product Specification	
Style	Re-usable
Material	TPR
Colour	Blue
Shape	Multi-Flange
SNR	32dB
HML	33,30,28
Cord type	Metal Detectable Cord

Metal Detectable Ear plugs

One body metal detectable earplugs without metal ball inside.

Soft TPR

100% detectable earplugs, reusable , washable.

Packaging Information

1 Pair / Polybag

Product SKU	Size
BLSH-MD-RCEP-B	OSFM

Metal Detectable Cord

Soft, same as normal cord but metal-detectable.

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For all your product availability & distribution related queries

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