

## 2411 Reusable Earplugs

2411 Earplugs are designed to provide hearing protection in work environments exposed to high noise levels. Produced in accordance with the EN 352-2:2020+A1:2024 standard, the product supports the user against harmful noise levels with its 22 dB SNR protection value. Thanks to its ergonomic design and soft TPE material, it offers comfortable use all day long.



### TPE Material

It is made of Thermoplastic Elastomer (TPE) material, which has the characteristics of high flexibility and softness. While it offers comfortable use thanks to its structure that adapts to the ear canal, it can be reused thanks to its cleanable feature.

CE 2777

### Technical Specifications

SNR	22 dB
Product Material	TPE
Color	Red
Carton Quantity	500 Pairs
Box Quantity	100 Pairs
Standards	EN 352-2:2020+A1:2024



### Storage Box

Thanks to the plastic storage box, the earplugs can be stored hygienically and safely when not in use. It helps maintain the lifespan of the product by reducing the risk of contamination during transportation.

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## Standards

2411 Earplugs have been tested and certified in accordance with the EN 352-2:2020+A1:2024 standard under the European Union Personal Protective Equipment (PPE) Regulation (EU) 2016/425.

EN 352-2 standard; defines the performance, safety, marking and user information requirements of earplugs and verifies that the hearing protection performance of the product complies with internationally accepted criteria.

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	$H_M =$	27.0 dB	$H_S =$	5.4 dB	<b>H =</b>	<b>22 dB</b>
Mean Attenuation (dB)	24,3	23,7	23,0	25,1	25,4	26,3	33,6	40,1	$M_M =$	24.9 dB	$M_S =$	5.5 dB	<b>M =</b>	<b>19 dB</b>
Standard Deviation (dB)	6,6	7,2	7,2	7,1	5,9	5,2	9,7	6,9	$L_M =$	23.7 dB	$L_S =$	6.1 dB	<b>L =</b>	<b>18 dB</b>
Assumed Protection (dB)	17,7	16,5	15,8	18,0	19,5	21,1	23,9	33,2	$SNR_M =$ 27 dB			$SNR_S =$ 5.4 dB		<b>SNR =</b> 22 dB

Tested according to EN 352-2:2020+A1:2024 standard

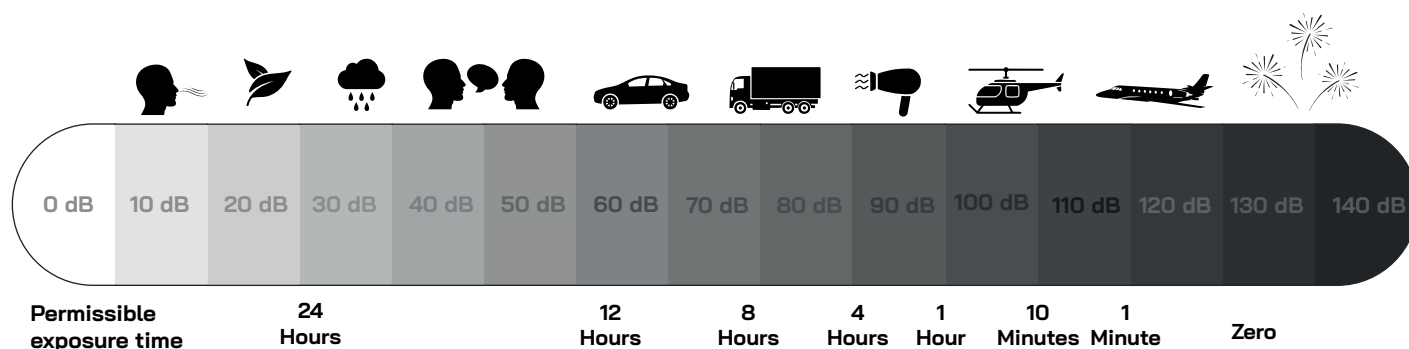
## Noise Exposure and Protection

Noise levels in workplaces are determined by sound level meters and noise dosimeters. Prolonged exposure to high noise can cause permanent health issues such as hearing loss, tinnitus, and communication difficulties.

Difficulty in hearing conversations, insufficiency of normal voice tones, or a ringing sensation in the ears after work are key indicators of high noise exposure.

It is recommended to use appropriate hearing protection based on the results of the risk assessment to protect hearing health.

## Decibel Scale























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## Areas for Use

Earplugs are used to protect the sense of hearing in working environments exposed to high noise levels. It is widely preferred in many industrial areas, especially in mines, construction sites, metal processing facilities, automotive factories, machinery production facilities, textile factories, recycling facilities, oil and natural gas fields.

It is also used in airports, logistics centers, agricultural enterprises, energy facilities and noisy maintenance and repair works. It is an important personal protective equipment that improves the safety and comfort of workers in all environments where noise can cause hearing loss.

 <p><b>Machine</b> CNC machines, presses, compressors, lathes and milling machines</p>	 <p><b>Metal</b> Cutting, grinding, welding, foundry, press lines</p>	 <p><b>Automotive</b> Press shops, assembly lines, test areas, paint lines</p>	 <p><b>Mining</b> Drilling, blasting, crushers, conveyor systems</p>	 <p><b>Construction</b> Rotary hammer equipments, road construction</p>
 <p><b>Chemistry</b> Compressor rooms, pumping stations, process equipments</p>	 <p><b>Oil &amp; Gas</b> Drilling sites, compressors, turbines, refineries</p>	 <p><b>Recycling</b> Crushing, grinding and separation machines</p>	 <p><b>Textile</b> Weaving, knitting and yarn production machines</p>	 <p><b>Tree</b> Sawing, planing, milling and woodworking machines</p>
 <p><b>Paint Industry</b> Mixers, aeration and production equipments</p>	 <p><b>Factory (General)</b> Production lines, packaging machines, compressors</p>	 <p><b>Dining / Bakery</b> Industrial mixers, packaging lines</p>	 <p><b>Dairy and Meat Industry</b> Cutting, processing, packaging and cooling equipments</p>	 <p><b>Agriculture</b> Tractors, combines, feed preparation machines</p>
 <p><b>Shipping</b> Warehouse operations, forklift traffic loading bays</p>	 <p><b>Transportation</b> Airports, rail system maintenance areas</p>	 <p><b>Cleaning</b> Industrial cleaning machines, high-pressure equipments</p>	 <p><b>Health / Hospital</b> Technical services, sterilization units maintenance workshops</p>	 <p><b>Leather Industry</b> Cutting and processing machines</p>

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## Instructions for Use



### Maintenance and Cleaning

Before the earplugs are reinserted into the ear, all earwax and dirt on them should be removed. Dirty earplugs can be wiped with a damp cloth. Do not use solutions, disinfectants, or chemicals. This product may be adversely affected by some chemicals. Additional information should be requested from the manufacturer. Earplugs should be checked regularly to ensure they are functioning correctly. Earplugs should always be used in noisy environments.

All usage instructions must be followed. Incorrect placement may reduce effectiveness and may result in hearing loss or damage.



### Service Life

The exact service life of the product will largely depend on how it is used and where it is stored. Therefore, it is crucial to carefully inspect the earplugs before use and replace them if you decide they are not suitable for use.



### Storage

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## Order Information

MODEL	Cord Type	Packaging	Barcode	Carton Quantity
2411	Cordless	Plastic Flea	8680907013888	500 Pairs
2411-C	PVC Cord	Plastic Flea	8680907013901	500 Pairs
2411-T	Polyester Cord	Plastic Flea	8698547319093	500 Pairs
2411D	Cordless	Plastic Flea	8680907013918	500 Pairs
2411D-C	PVC Cord	Plastic Flea	8680907013925	500 Pairs

\*Models 2411D and 2411D-C include a metal detectable metal ball.