

NOISE UNDER CONTROL.
HEARING PROTECTION

40 YEARS

NITRAS SAFETY - A SUCCESS STORY

Our journey began very small 40 years ago - in a garage, with a lot of passion and a great vision. Today, this start with just two people has grown into a company with almost 100 dedicated employees that supplies its customers worldwide from a warehouse area of over 15,000 square metres.

What once began with simple nitrile gloves has developed step by step into a comprehensive range: Today, we stand for personal protective equipment and modern workwear from a single source - a full range that combines quality, safety and innovation.

This anniversary is not just our success, but the result of the strong NITRAS family. We would like to thank all our partners who have placed their trust in us and all our employees who drive NITRAS SAFETY forward every day with their commitment and passion. This journey would not have been possible without you.

40 years is a proud milestone - but no reason for us to stand still. We invite you to continue to accompany us on our journey through the world of NITRAS SAFETY. Together we are shaping the future of occupational safety - with heart, reliability and innovative strength.



Ear protection

- 2 Introduction
- 4 Standards and pictograms
- 6 Industry guide
- 7 Ear defender
- 9 Ear plugs
- 11 Accessories





THE EAR CANAL

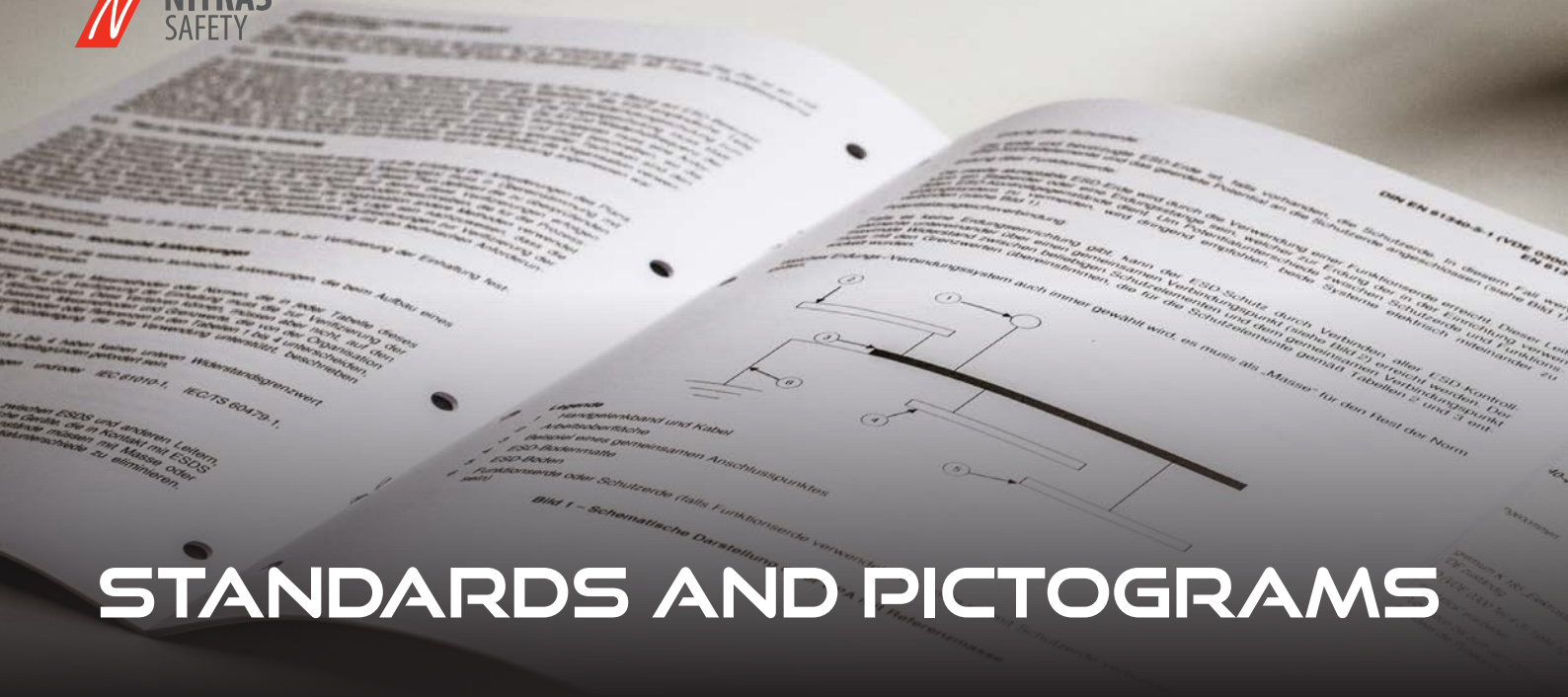
Our sense of hearing is a true masterpiece of nature. Day after day, it enables us to perceive our surroundings, recognise dangers at an early stage and react in a targeted manner. At the centre of this impressive achievement is an often underestimated structure: the auditory canal.

As the gateway to the inner ear, the auditory canal fulfils several crucial tasks. It transmits sound waves precisely to the eardrum, protects sensitive structures from external influences and thus regulates the sensitive interaction between the outside world and auditory perception. Without it, our sense of hearing would not be complete.

Especially in noisy working environments, the auditory canal is exposed to particular stress - and therefore deserves equally special protection. The professional ear protection from NITRAS reliably protects the sensitive areas of your hearing system from damage - efficiently, comfortably and safely. This keeps noise under control before it becomes a risk.

You can find more information here:






STANDARDS AND PICTOGRAMS

All performance levels, pictograms and information specified in this catalogue comply with the state as of September 2025. These are subject to change during the validity of this catalogue. Please contact us for any queries or current information. All information is subject to change.

General explanations of achieved performance levels (all tests were carried out under laboratory conditions):

- 1-6 / A-F Achieved test result (the higher, the better)
- 0 Minimum performance level not achieved
- X Not tested or not applicable due to the material or design

EN 352-1	Ear muffs - General requirements Specifies requirements for the construction, design, performance, characterisation and user information of earmuffs. A particular focus is on sound attenuation. It applies exclusively to earmuffs intended for defined head sizes and excludes models for attachment to head or face protection systems.
EN 352-2	Ear plugs - General requirements Specifies requirements for the construction, design, performance, characterisation and user information of earplugs. A particular focus is on sound attenuation. Ergonomic aspects are taken into account - in particular the interaction between user, product and working environment in which the earplugs are typically used.
EN 352-3	Earmuffs attached to head protection and/or face protection devices - General requirements Specifies requirements for the construction, design, performance, characterisation and user information of fixed earmuffs. A particular focus is on sound attenuation. It applies to earmuffs that are attached to head or face protection. Ergonomic aspects and use in the working environment are taken into account.
Weight 	Indicates the weight of a headgear with fittings in grams (g).
SNR 00 dB	The SNR value (Single Number Rating) indicates how much an ear protection reduces the noise level in decibels (dB). It is an average attenuation value across all frequencies. The higher the SNR, the better the noise reduction.

**Detectable**

This product identifies articles that are detectable. Thanks to integrated metal or X-ray recognisable components, they can be recognised by detection systems. This increases product safety and minimises the risk of contamination.

**Premium quality**

The quality of our products is our first priority and our whole product range is meeting our high standards. Products which have further premium features (e.g. due material selection, fitting, characteristics, finishing) are marked with this pictogram.

SUSTAINABILITY TRAFFIC LIGHT

**Packaging**

Packaging used consists entirely or partially of recycled materials.

**Social aspects**

The production is amfori BSCI-audited (or according to a comparable standard) and thus contributes to the improvement of social standards or working conditions in the country of production.

**Product**

The materials used consist entirely or partly of recycled fibres.



INDUSTRY GUIDE

The following recommendations serve as a rough guide as to which product is suitable for which industry. Some of the products are also suitable for other areas of application. This is based on industry-specific colours and the specific protective functions of the individual products. Please do not hesitate to contact us for further information.

Craft



DIY, repair, tiler, floor layer, roofer

Food industry



Food processing, kitchens, canteens, food production

Security industry



Security, security service, airport

Building / Construction



Electrical activities, industry, mechanical engineering, repair, maintenance, gravel works, quarry, polymer processing, metal working, locksmiths, scaffolding, stone processing, drywall construction, window construction, interior fittings

Landscape gardening



Forestry, agriculture, horticulture, plant trade, gardening

Wood processing



Joiner, carpenter, cabinetmaker, industry, sawmill

Automotive manufacturing



Technician, mechanic, aircraft construction, automotive supplier, shipbuilding, tyre trade, tyre manufacturing, repair services, workshops

Sanitary



Heating construction, maintenance, waterworks, sewage treatment plants

Chemistry / laboratory



Pharmaceutical industry, chemical industry, laboratory, cleaning

Cleaning / Facility management



Janitorial services, facility management, window cleaning

Painter / varnisher



Plasterer, plastering, wallpapering, painting, filling, facades

Retail trade



Cold storage rooms, warehouse, cashier activities, stocktaking, clearing activities

Commissioning / shipping



Sorting, storage activities

Waste management



Recycling, waste collection, disposal

Events



Catering, stage construction, technicians, fitters, exhibition stand construction

Electrician



Electrical activities

Transport / Logistics



Road construction, track construction, emergency services, lorry, bus, rail, transport, street cleaning

Gastronomy / hospitality



Kitchen, service activities, cleaning, reception

Healthcare



Care, hospitals, surgeries, pharmacies, emergency services

Refrigeration range



Winter services, snow clearance, ice removal, gritting services, maintenance and servicing, cold stores

EAR DEFENDER

9250 // MUTE DEFENDER

Material:	Plastic, anthracite / black PU, black
SNR:	SNR 25 dB
Size(s):	One size
Packaging unit:	50 pieces
Certification:	EN 352-1

NITRAS MUTE DEFENDER, ear defender, anthracite / black (colour code: 1510), soft and comfortable ear pads, ergonomically shaped, high wearing comfort, very low feeling of pressure, infinitely adjustable height, attenuation values: SNR 25 dB, H 29 dB, M 22 dB, L 16 dB, PPE risk category III



169 **SNR**
25 dB



9251 // MUTE DEFENDER PRO

Material:	Plastic / steel, black / green
SNR:	SNR 30 dB
Size(s):	One size
Packaging unit:	20 pieces
Certification:	EN 352-1

NITRAS MUTE DEFENDER PRO, ear defender, black / green (colour code: 1030), soft and comfortable ear pads, ergonomically shaped, high wearing comfort, very low feeling of pressure, infinitely adjustable height, steel brackets, attenuation values: SNR 30 dB, H 31 dB, M 29 dB, L 22 dB, premium quality, PPE risk category III



From Q1 2026



202 **SNR**
30 dB





9252 // MUTE DEFENDER PRO

Material:	Plastic / steel, black / yellow
SNR:	SNR 32 dB
Size(s):	One size
Packaging unit:	20 pieces
Certification:	EN 352-1

NITRAS MUTE DEFENDER PRO, ear defender, black / yellow (colour code: 1043), soft and comfortable ear pads, ergonomically shaped, high wearing comfort, very low feeling of pressure, infinitely adjustable height, steel brackets, attenuation values: SNR 32 dB, H 32 dB, M 31 dB, L 24 dB, premium quality, PPE risk category III



From Q1 2026

243 SNR 32 dB 



9253 // MUTE DEFENDER PRO

Material:	Plastic / steel, black / red
SNR:	SNR 33 dB
Size(s):	One size
Packaging unit:	20 pieces
Certification:	EN 352-1

NITRAS MUTE DEFENDER PRO, ear defender, black / red (colour code: 1060), soft and comfortable ear pads, ergonomically shaped, high wearing comfort, very low feeling of pressure, infinitely adjustable height, steel brackets, attenuation values: SNR 33 dB, H 35 dB, M 31 dB, L 23 dB, premium quality, PPE risk category III



From Q1 2026

277 SNR 33 dB 



9254 // MUTE DEFENDER PRO

Material:	Plastic / steel, black / yellow
SNR:	SNR 28 dB
Size(s):	One size
Packaging unit:	20 pieces
Certification:	EN 352-3

NITRAS MUTE DEFENDER PRO, ear defender for helmets, black / yellow (colour code: 1043), soft and comfortable ear pads, ergonomically shaped, high wearing comfort, very low feeling of pressure, infinitely adjustable height, steel brackets, Euroslot system for easy attachment to helmets, attenuation values: SNR 32 dB, H 32 dB, M 31 dB, L 24 dB, premium quality, matching article 9500, PPE risk category III



From Q1 2026

260 SNR 28 dB 

EAR PLUGS

9200 // MUTE PLUGS

Material:	PU, orange
SNR:	SNR 38 dB
Size(s):	One size
Packaging unit:	10 pieces
Certification:	EN 352-2

NITRAS MUTE PLUGS, earplugs, orange (colour code: 4400), made of soft and adaptable PU, conical shape, high wearing comfort, very low feeling of pressure, slow rebound ensures easy insertion, hygienically packaged, pairwise in a polybag, 250 pairs / box, attenuation values: SNR 38 dB, H 37 dB, M 36 dB, L 34 dB, PPE risk category III



1 SNR
38 dB



9201 // MUTE PLUGS

Material:	PU, orange
SNR:	SNR 38 dB
Size(s):	One size
Packaging unit:	20 pieces
Certification:	EN 352-2

NITRAS MUTE PLUGS, earplugs, orange (colour code: 4400), made of soft and adaptable PU, conical shape, high wearing comfort, very low feeling of pressure, slow rebound ensures easy insertion, 250 pairs / polybag, attenuation values: SNR 38 dB, H 37 dB, M 36 dB, L 34 dB, PPE risk category III



1 SNR
38 dB





9202 // MUTE PLUGS

Material:	Plastic / metal, blue
SNR:	SNR 32 dB
Size(s):	One size
Packaging unit:	480 pieces
Certification:	EN 352-2

NITRAS MUTE PLUGS, earplugs, blue (colour code: 2200), made of soft and adaptable plastic, conical shape, high wearing comfort, very low feeling of pressure, easy insertion thanks to smooth surface, three lamellae, with metal cord, detectable, hygienically packed, reusable, in pairs in a storage box, box can be attached to clothing thanks to clip, attenuation values: SNR 32 dB, H 33 dB, M 30 dB, L 28 dB, PPE risk category III



U **13** **SNR**
32 dB



9203 // MUTE PLUGS

Material:	Plastic / textile, orange / black
SNR:	SNR 32 dB
Size(s):	One size
Packaging unit:	480 pieces
Certification:	EN 352-2

NITRAS MUTE PLUGS, earplugs, orange / black (colour code: 4410), made of soft and adaptable plastic, conical shape, high wearing comfort, very low feeling of pressure, easy to insert thanks to smooth surface, triple flange, with textile cord, hygienically packaged, reusable, in pairs in a storage box, box can be attached to clothing thanks to clip, attenuation values: SNR 32 dB, H 33 dB, M 30 dB, L 28 dB, PPE risk category III



13 **SNR**
32 dB



9204 // MUTE PLUGS

Material:	Plastic / PU, black / orange
SNR:	SNR 24 dB
Size(s):	One size
Packaging unit:	100 pieces
Certification:	EN 352-2

NITRAS MUTE PLUGS, banded earplugs, headband made of plastic, black, ear plugs made of soft and adaptable PU, orange (colour code: 1044), conical shape, high wearing comfort, very low feeling of pressure, slow rebound ensures easy insertion, does not penetrate too deeply into the ear canal, particularly hygienic thanks to replaceable ear plugs (article 922), simply hang around the neck when not in use, attenuation values: SNR 24 dB, H 27 dB, M 20 dB, L 19 dB, PPE risk category III



17 **SNR**
24 dB

ACCESSORIES

920

Material:	PU / PVC, black
Miscellaneous:	-
Size(s):	One size
Packaging unit:	100 pairs
Certification:	-

NITRAS hygiene set for ear defender, black (colour code: 1000), made of soft and adaptable PU / PVC, ergonomically shaped, high wearing comfort, very low feeling of pressure, particularly hygienic, suitable for articles 9251, 9252 and 9254



921

Material:	PU / PVC, black
Miscellaneous:	-
Size(s):	One size
Packaging unit:	100 pairs
Certification:	-

NITRAS hygiene set for ear defender, black (colour code: 1000), made of soft and adaptable PU / PVC, ergonomically shaped, high wearing comfort, very low feeling of pressure, particularly hygienic, suitable for article 9253



922

Material:	PU, orange
Miscellaneous:	-
Size(s):	One size
Packaging unit:	250 pairs
Certification:	-

NITRAS replacement earplugs, made of soft and adaptable PU, orange (colour code: 4400), conical shape, high wearing comfort, very low feeling of pressure, slow reshaping ensures easy insertion, does not penetrate too deeply into the ear canal, suitable for article 9204



923

Material:	Plastic, grey / black
Miscellaneous:	-
Size(s):	One size
Packaging unit:	4 pieces
Certification:	-

NITRAS earplug dispenser, plastic, grey / black (colour code: 1210), practical collection tray, twist lock for easy removal of earplugs, free-standing, with optional wall mounting, supplied without contents, suitable for article 9201



**OUR AIMS ARE TO PROTECT
PEOPLE'S HEALTH AND THE
ENVIRONMENT AND TO MAKE
LIFE EASIER.**

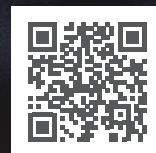


**PROVIDING PPE AND WORKWEAR
SOLUTIONS. TRUSTED SINCE 1986.**



NITRAS SAFETY
AS Arbeitsschutz GmbH
Heinrich-Hertz-Straße 11
50181 Bedburg, Germany

 +49 2272 9060 0
 info@nitras-safety.com
 nitras-safety.com



Follow us on:

