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## Dear customer!

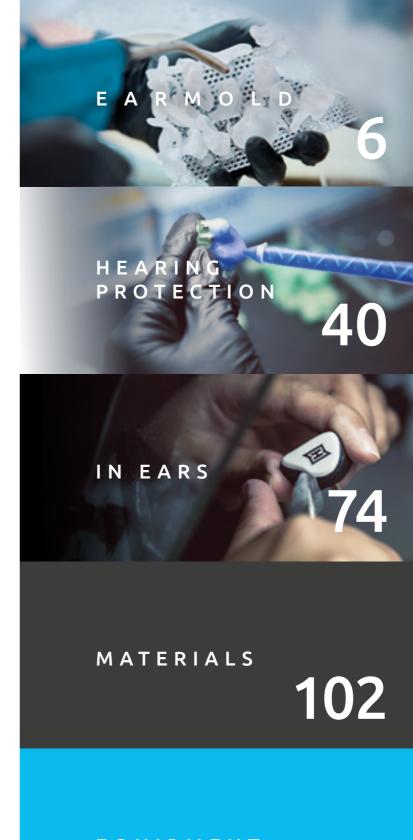
#### »Quality is crisis-proof.«

These three words, spoken by the designer Wolfgang Beinert in 2003, still hit the nail on the head today. But what actually defines quality? In our eyes, it is products and services that are elegant, honest, well thought out down to the smallest detail and yet completely uncomplicated. Quality makes everyday life easier, gives confidence and is fun.

#### THAT IS OUR CLAIM.

We don't just want to change things, we want to continuously improve them. That's why we've completely revamped the *earmold* section for RIC. For an unprecedented variety. There are also small but fine innovations in the areas of *hearing protection*, *in-ears* and *equipment* - have fun discovering them.

Yours Fabian Kubicke



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## Small Masterpieces 1.0

Only from both together - from honest craftsmanship and high-quality materials individual earmolds with quality, soul and sense can be created.

#### THE MOST IMPORTANT CONNECTION ...

With a host of sophisticated technologies, today's hearing aids are some of the most amazing mini-computers around. Barely visible sizes, smartphone control, Bluetooth connectivity and long battery life have fundamentally changed the way people think about hearing aids: They are no longer just hearing aids. Rather, they are personal assistance devices that make everyday life easier and offer added value.

Despite all these features and benefits, one thing must not be forgotten: The most important link between all the exciting technology and the human being will always remain the earmold. The industrially prefabricated and almost inflationary used mass product dome or umbrella is not a satisfactory solution for the optimal fitting. Only with the help of a custom-made earmold and the indispensable craft of a hearing aid acoustician can this connection be precisely matched to the individual ear. To strengthen this form of fitting, we have expanded our proven nature® RIC program to include the nature® basic and nature® plus product lines.

## Earmolds RIC

## Overview

	nature® classic	nature® basic	nature® plus
	E 3	NEW	NEW
MATERIAL (SURFACE)	thermo-flex (satin finsihed) rigid (lacquered)	rigid (matt polished)	thermo-flex (satin finsihed) rigid (lacquered)
RETENTION	without retention short hook claw ring	without retention	without retention short hook claw ring
WALL THICKNESS	thin* normal solid** *only for thermo-flex **available soon	normal solid* *available soon	thin* normal solid** *only for thermo-flex **available soon
INSERT PART	~	~	<b>~</b>
VENTING	unrestricted	unrestricted	unrestricted
OPENING	tragus side   concha side possible on both sides	-	tragus side   concha side possible on both sides
RECESS	tragus side   concha side possible on both sides	tragus side   concha side possible on both sides	tragus side   concha side possible on both sides
JAW JOINT RECESS	open closed	-	open closed
RETRIEVAL THREAD	~	~	<b>~</b>
EARWAX GUARD	<b>✓</b> * *depending on the receiver	<b>✓</b> * *depending on the receiver	<b>✓</b> * *depending on the receiver
COLOR MARKING	left / right	left / right	left / right
DESIRED LASER ENGRAVING	~	~	<b>~</b>
ANTI-REFELCTION	<b>✓</b> * *only for rigid	-	<b>✓</b> * *only for rigid
SUITABLE FOR	RIC	RIC	RIC

Special shapes for RIC earmolds > page 24/25



For a perfectly fitted nature® earmold, we offer you numerous new selection options and special shapes.

details > page 12

#### nature® basic

As small as an RIC earmold may be, the different requirements for fitting are just as great. For this reason, we have expanded our proven nature® RIC range to include the nature® basic and nature® plus product lines. Together with additional materials, numerous options and special shapes, there are now a wide variety of fitting

New nature® product lines

options.

#### nature® plus

The larger design provides additional support and increased sealing, allowing more flexibility

details > page 16

# nature® Its name says it all.

*Made and designed for fitting with RIC, our nature*<sup>®</sup> *product lines* offer the full range of options, supports and possibilities.

WE MANUFACTURE

**BRANDS - WHETHER** WITH OR WITHOUT

BUSHINGS.

OUR NATURE® MODELS FOR ALL HEARING AID MANUFACTURERS AND

compared to domes

- nature® is adapted to the ear not the other way around. This is the only way to ensure a consistant contact between the ear and the earpiece. A dome, on the other hand, fits the ear and can lead to pressure points due to the forces acting on the skin.
- The nature® earmold fits like a glove in the ear because it is made to measure. A secure and comfortable fit is therefore guaranteed. Domes can slip out of the ear canal, especially when the jaw moves.
- nature® ensures an optimal acoustic seal, as the opening can be individually placed in the earpiece and subsequently modified. With domes, small leaks can cause acoustic feedback and thus annoying whistling.
- With a nature® earmold, it is possible to define exactly where in the ear canal the sound leaves the earmold. If a dome slips even minimally, sound and volume are lost because the sound exit is no longer directed directly at the eardrum.
- The combination of high-quality materials and delicate workmanship promise durability, lightness and a natural listening experience. Domes, on the other hand, do not have a long service life, as they are really only intended as a temporary solution.

## **Advantages**

## Less is more.

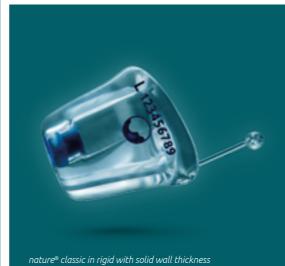
When nature® classic is manufactured from our thermoflexible material, the result is an earmold of the absolute top class. This is because an extremely small and feather-light design can be achieved without the need for any additional components - for a wearing experience that could not be more natural.











#### nature® classic PREMIUM RIC FITTING

#### MATERIAL

We manufacture nature® classic from thermo-flexible PU or rigid acrylate. materials in detail > page104/105

#### THERMO-FLEX



Our premium material thermo-flex is supple, elastic and extremely robust. The surface is satin finished.

#### RIGID 🦳 🌑 🌘





Our rigid material is crystal clear, resistant and extremely durable. The surface including the inside is lacquered as standard and at no extra charge. This complete, high-density sealing creates a brilliant glass look.

#### RETENTION

without retention | short hook | claw | ring retentions in detail > page 18

#### OPTIONS

We offer you numerous options for a perfectly fitted nature® classic earmold.

options in detail > page 20-23

#### WALL THICKNESS

thin\* | normal | solid

\*only for thermo-flex

The combination of thermo-flexible material and thin, filigree design promises lightness and a natural hearing experience.

#### INSERT PART

with rigid material standard

With nature® classic made of thermo-flexible material, there is basically no need for an additional insert part, as the material can be heated and Slimtube or Ex earpieces can be placed directly in the bore hole. This guarantees the smallest possible installation size.

#### OPENING & RECESS

- ✓ tragus side | concha side | both sides
- ✓ open | closed jaw joint recess

#### EXTRAS

- + retrieval thread
- + earwax guard
- + color marking + desired laser engraving
- + anti-reflection (only for rigid)

# Matt, but oho.



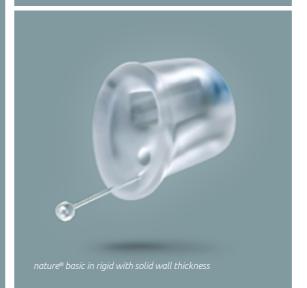
nature® basic combines the sophisticated design and detailed workmanship of a classic nature® earmold with sensible standard features. It is therefore the ideal product for all those who want to do without a lacquered surface, but never without the highest quality and absolute accuracy of fit.







THIS TINY EARMOLD WITH OUTSTANDING ACOUSTIC PROPERTIES SITS ALMOST INVISIBLY IN THE EAR CANAL.



### nature® basic BASIC RIC FITTING

#### MATERIAL

We manufacture nature® basic from rigid acrylate. The product undergoes the same careful process as a classic nature® earmold made of rigid material - the only difference being that we dispense with the time-consuming varnishing process at the end.

material in detail > page 104

#### RIGID



Our rigid material is transparent, resistant and extremely durable. The surface of nature® basic is matt polished.

#### RETENTION

without retention

#### OPTIONS

We offer various options for nature® basic. options in detail > page 20-23

#### WALL THICKNESS

normal | solid

#### INSERT PART



#### RECESS

✓ tragus side | concha side | both sides

#### EXTRAS

- + retrieval thread
- + earwax guard
- + color marking
- + desired laser engraving

# Everything under control.

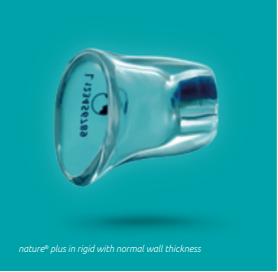


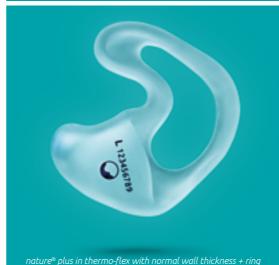
nature<sup>®</sup> plus provides extra security and control in the fitting. The larger design provides additional support, increased sealing and simplifies insertion and removal of the hearing aid. The earmold fits snugly behind the second bend and closes with the tragus - a product design that provides not only flexibility but











#### nature® plus PREMIUM RIC FITTING

#### MATERIAL

We manufacture nature® plus from thermo-flexible PU or rigid acrylate. materials in detail > page 104/105

#### THERMO-FLEX



Our premium material thermo-flex is supple, elastic and extremely robust. The surface is satin finished.





Our rigid material is crystal clear, resistant and extremely durable. The surface including the inside is lacquered as standard and at no extra charge. This complete, high-density sealing creates a brilliant glass look.

#### RETENTION

without retention | short hook | claw | ring retentions in detail > page 19

#### OPTIONS

We offer you numerous options for a perfectly fitted nature® plus earmold. options in detail > page 20-23

#### WALL THICKNESS

thin\* | normal | solid

\*only for thermo-flex

The combination of thermo-flexible material and thin, filigree design promises lightness and a natural hearing experience.

#### INSERT PART

with rigid material standard

With nature® plus made of thermo-flexible material, there is basically no need for an additional insert part, as the material can be heated and slim tube or insert part can be placed directly in the bore hole. This guarantees the smallest possible installation size.

#### OPENING & RECESS

- ✓ tragus side | concha side | both sides
- ✓ open | closed jaw joint recess

#### EXTRAS

- + retrieval thread
- + earwax guard
- + color marking
- + desired laser engraving
- + anti-reflection (only for rigid)

## Retention nature® classic

We make all nature® classic supports as discreet as possible. For this reason, only one or two thin bars are used for the transition from the earmold to the retention in the short hook, ring and claw. The tragus area and

the inner part towards the concha base are therefore not covered with material. This allows the filigree and feather-light design of the nature® classic - even with retention.

## Retention nature® plus

#### The bachmaier® final touch

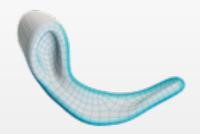
All functional edges are additionally processed after digital modeling and optimized down to the smallest detail. This gives our products their incomparable look.



#### SHORT HOOK

This minimalist support covers little ear tissue, making it barely visible and providing reliable support.

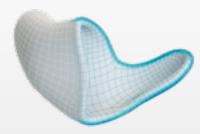
hold in the ear visibility in the ear



#### SHORT HOOK

This minimalist support covers little ear tissue, making it barely visible and providing reliable support.

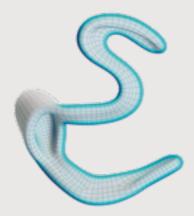
hold in the ear visibility in the ear



#### CLAW

The claw shape provides a secure grip thanks to its holding points in the cymba and on the antitragus.

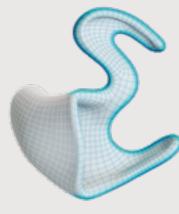
hold in the ear visibility in the ear



#### CLAW

The claw shape provides a secure grip thanks to its holding points in the cymba and on the antitragus.

hold in the ear visibility in the ear



#### RING

This ring-shaped retention uses all the holding points of the auricle, has good heat dissipation and allows easy insertion and removal.

hold in the ear visibility in the ear

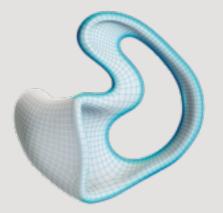




#### RING

This ring-shaped retention uses all the holding points of the auricle, has good heat dissipation and allows easy insertion and removal.

hold in the ear visibility in the ear



EARMOLD

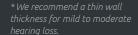
## nature® Options

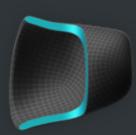
## Significant decisions 1.0

#### WALL THICKNESS

#### THIN







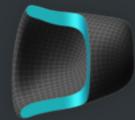
// feather-light feel
// fast customer acceptanc
// high heat dissipation

Extremely fine wall thicknesses of only 0.8 mm can be realized from our thermo-flexible material. These thin and flexible walls adapt to every movement of the auditory canal and allow the nature® earmold to merge with the ear – for a feather-light wearing sensation.

#### NORMAL (standard)



1.4 mm



// pleasant wearing comfort // good fixation of the receive // medium heat dissipation

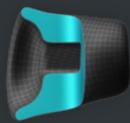
1.4 mm is our proven standard wall thickness. All nature® earmolds in this thickness maintain the perfect balance between too much and too little. They combine a comfortable feel with good fixation of the receiver and at the same time have room to move without being too soft.

#### SOLID



max. \*

\*\* The wall thickness depends on the size of the receiver and is manufactured as solid as possible



// very good fixation of the receiver // stable earmold // low heat dissipation

The solid design provides the receiver with optimum guidance in the cavity provided for this purpose and thus enables a secure hold in the earmold. Slipping or wobbling of the receiver is impossible.

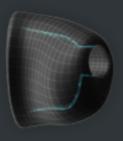
#### INSERT PART

nature® earmolds made of rigid material require an installation part to fix the receiver. nature® made of thermo-flexible material can also be manufactured without an insert part\* because this material can be heated and slim tube or RIC placed directly in the bore hole. This guarantees the smallest possible size and, in combination with our standard bore (2.0 mm), creates the basis for a wide range of manufacturers.

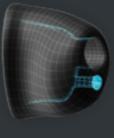
\*Excluding Audio Service, Signia, Siemens and Connex.

#### VENTING

The wide range of different ventings makes the nature® earmold an all-rounder for every fitting.



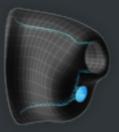
CLOSED



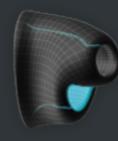
NORMAL



SEPARATE



GRADED STEPVENT)



OPEN

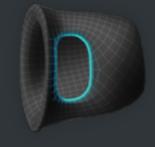


#### EXTENSION FOR ALL VENTS

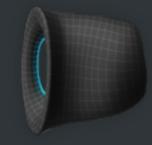
With this option, the ventings can be enlarged effortlessly in the course of the fitting. We already place the corresponding bore holes appropriately in advance and thus simplify the post-processing.

#### OPENING

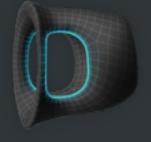
An opening provides additional ventilation of the ear tissue and better heat dissipation. In addition, openings can be used to create more space for the installation of the receiver in narrow spaces or a highly angled ear canal. Unlike a recess, the functional edges remain intact, resulting in significantly more stability and hold.



CONCHA SIDE



TRAGUS SIDE



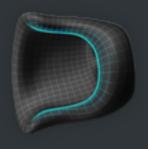
BOTH SIDES

## nature® Options

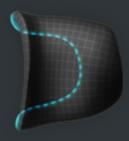
## Significant decisions 2.0

#### RECESS

Recesses serve to ventilate sensitive ears. Significantly less heat is generated in the area of these cavities, as the skin remains free and is thus not restricted in its thermo-regulating function.



CONCHA SIDE



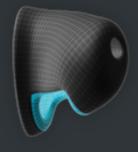
TRAGUS SIDE



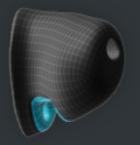
BOTH SIDES

#### JAW JOINT RECESS

This option saves the area of the jaw joint in the auditory canal. This reduces chewing noises and resonances of the skull bone and provides an optimal sound image. Whether open or closed depends on the type of fitting.



OPEN



CLOSED

#### RETRIEVAL THREAD

Choose a nature® earmold ...

- // WITH MOUNTED RETRIEVAL THREAD
- // WITH ATTACHED RETRIEVAL THREAD FOR LATER MOUNTING
- // WITHOUT RETRIEVAL THREAD

#### EARWAX GUARD

We use the earwax guard Audio Service Filter HF4 BLACK as standard. Optionally, we install the earwax guard Phonak CeruShield. (Please select this separately in the order form.) You can find all earwax guards products in our online store at: www.shop.bachmaier.de

Note: Depending on the receiver system, there may be deviations. If a earwax guard is already integrated in the receiver or the insert part does not allow the installation of it, a earwax guard cannot be installed.

#### COLOR MARKING

To be able to distinguish left and right at first go, we provide our earmolds with a color marking as standard.

blue = left | red = right

L 123456789

R 12345678

#### DESIRED LASER ENGRAVING

We engrave a name or number in addition to our serial number and thus mark the nature® earmold according to your individual wishes.

#### MAX MUSTER

Desired name with max. 10 characters possible.

#### ANTI-REFLECTION

An earmold can be made anti-reflective on the surfaces facing the ear canal using a special sandblasting process. The result is a uniform, satin finished surface that does not reflect even in strong light, thus ensuring minimal visibility in the ear.

Cannot be ordered for thermo-flex (satin finished is standard here) and basic (here the matt surface does not allow any further anti-reflective coating).

## Special shapes

### RIC

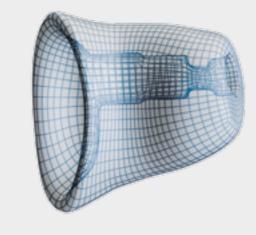
All special shapes can be ordered in all materials. Many other options are also possible, such as anti-reflection or desired laser engraving.

#### special form 1

#### EXTENDED VERSION

This earmold allows adequate receiver placement in narrow and short ear canals. With thermo-flex, an additional earwax guard is installed, while rigid is manufactured with a insert part.

All retentions available.

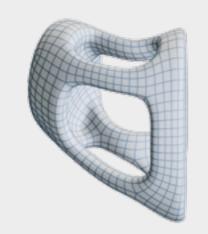


#### special form 2

#### LIGHT

Very high heat dissipation due to minimal skin surface coverage by the material. Only recommended for low reinforcements and pronounced anatomies.

All retentions available.



## Desired shape not found?

You are looking for a very special shape and have not found it yet? Simply send us your request to: office@bachmaier.de

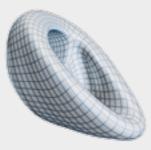
If desired, we will send you a digital twin in advance for production approval.

#### special form 3

#### HALF

Earmold for extremely difficult receiver placements.

Only available without retention.



#### special form 4

#### MINITIP

Earmold for extremely small ears. Recommended only for pronounced anatomies due to the low hold.

Only available without retention.

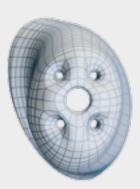


#### special form 5

#### NATURE® OLD SHAPE

Earmold with central RIC position and four recesses for more fitting flexibility.

All retentions available.



## Small Masterpieces 2.0

Only by making the right decisions in selection and fitting a custom earmold can truly meet the needs of the customer.

#### THE LOST CRAFTSMANSHIP

If you take a look at professional journals or attend a hearing aid congress, you will quickly discover that there is a lack of up-to-date information when it comes to fitting earmolds. One might assume that all the problems with earmold selection have either been solved or are simply non-existent. There is nothing further from the truth. Rising failure rates and numerous users complaining of "whistling and buzzing" from their hearing aids confirm the assumption that the craftsmanship of earmold fitting seems to be lost.

Some researchers, authors and laboratories are now making significant contributions to counteract this trend. We also believe that it is important to maintain – even regrow – knowledge about proper impression techniques, selection of appropriate molds and materials and earmold fitting per se. As a manufacturer of earmolds, we encourage all hearing care professionals to contact us with any questions

In response to numerous customer requests, we have expanded our classic BTE program to include the comfort basic product line, with all retentions, in order to make the selection process easier in advance.

## Earmolds BTE

## Overview

	folie	comfort	comfort basic
	a	d	NEW
MATERIAL (SURFACE)	thermo-flex (satin finsihed) rigid (lacquered) soft (lacquered)	thermo-flex (satin finsihed) rigid (lacquered) soft (lacquered)	rigid (matt polished)
RETENTION	without retention short hook claw ring shell	without retention short hook long hook claw ring shell	without retention short hook long hook claw ring shell
COUPLING	sound tube slim tube	sound tube slim tube angle	sound tube slim tube angle
VENTING	unrestricted	unrestricted	unrestricted
CONNECTOR AIRBALL	-	~	~
JAW JOINT RECESS	~	~	-
LENGTH EAR CANAL	short   medium*   long *standard length	short   medium*   long *standard length	kurz   mittel*   lang *Standardlänge
LENGTH CYMBA	short   medium*   long *standard length	short   medium*   long *standard length	short   medium*   long *standard length
EARWAX RECESS	<b>✓</b>	~	~
COLOR MARKING	left/right	left/right	left / right
DESIRED LASER ENGRAVING	~	~	~
ANTI-REFELCTION	<b>√</b> * *only for rigid	✓* *only for rigid	-

## foil

#### PREMIUM BTE FITTING

#### MATERIAL

We manufacture foils from thermo-flexible PU, rigid acrylate or soft 40 Shore silicone.

materials in detail > page 104-106

#### THERMO-FLEX



Our premium material thermo-flex is supple, elastic and extremely robust. The surface is satin finished.







Our rigid material is crystal clear, resistant and extremely durable. The surface including the inside is lacquered as standard and at no extra charge. This complete, high-density sealing creates a brilliant glass look.







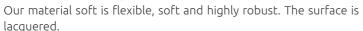












#### RETENTION

without retention | short hook | claw | ring | shell retentions in detail > page 34/35

#### OPTIONS

For a perfectly adapted foil, we offer you numerous options to choose

options in detail > page36/37

#### COUPLING

✓ sound tube | slim tube

#### LENGHT EAR CANAL / CYMBA

short | medium\* | long \*standard lenght

#### EXTRAS

- + connector airball
- + jaw joint recess
- + earwax recess
- + color marking
- + desired laser engraving
- + anti-reflection (only for rigid)









# The Original.

The thin-walled design of the foil ensures a discreet appearance in the ear. The very good heat dissipation and the audiological advantages guarantee a pleasant wearing comfort. With an anti-reflective surface, the foil appears even more inconspicuous. *The original from bachmaier*® - the inventor of the earmold "foil".



## comfort

PREMIUM BTE FITTING

#### MATERIAL

We manufacture comfort from thermo-flexible PU, rigid acrylate or soft 40 Shore silicone.

materials in detail > page 104-106

#### THERMO-FLEX





Our premium material thermo-flex is supple, elastic and extremely robust. The surface is satin finished.

#### RIGID 🔘 🛑





Our rigid material is crystal clear, resistant and extremely durable. The surface including the inside is lacquered as standard and at no extra charge. This complete, high-density sealing creates a brilliant alass look.















Our material soft is flexible, soft and highly robust. The surface is lacquered.

#### RETENTION

without retention | long hook | short hook | claw | ring | shell retentions in detail > page 34/35

#### OPTIONS

For a perfectly adapted comfort, we offer you numerous choices. options in detail > page 36/37

#### COUPLING

✓ sound tube | slim tube | angle

#### LENGHT EAR CANAL / CYMBA

short | medium\* | long \*standard lenght

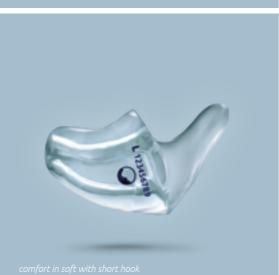
#### EXTRAS

- + connector airball
- + jaw joint recess
- + earwax recess
- + color marking
- + desired laser engraving
- + anti-reflection (only for rigid)









# The classic.



## comfort basic



#### MATERIAL

We manufacture comfort basic from rigid acrylate. The product undergoes the same careful process as a classic comfort earmold made of rigid material - the only difference being that we dispense with the time-consuming varnishing process at the end.

material in detail > page 104

#### RIGID



Our rigid material is transparent, resistant and extremely durable. The surface of comfort basic is matt polished.

#### RETENTION

without retention | long hook | short hook | claw | ring | shell retentions in detail > page 34/35

#### OPTIONS

For comfort basic we offer you the following choices. options in detail > page 36/37

#### COUPLING

✓ sound tube | slim tube | angle

#### EXTRAS

- + connector airball
- + earwax recess
- + color marking
- + desired laser engraving





THIS OTOPLASTIC COMBINES ALL RETENTIONS WITH A COST-OPTIMIZED SURFACE.



## basic. The new economy.

comfort basic is our answer to the numerous customer requests to offer an economy product with all retentions. Therefore, comfort basic combines the form and function of a classic comfort earmold with a useful standard feature set. It is the ideal product for all those who want to do without a lacquered surface - but never without the highest quality and best wearing comfort.



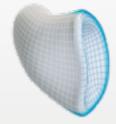
## Retention foil | comfort | comfort | basic

The right fixation for every anatomy - as little as possible, as much as necessary.

#### WITHOUT

This type of fixation sits deep in the ear canal, making it almost invisible in the ear.

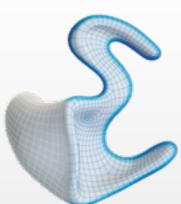
hold in the ear
visibility in the ear



#### The bachmaier® final touch

All functional edges are additionally processed after digital modeling and optimized down to the smallest detail. This gives our products their incomparable look.





#### CLAW

The claw shape provides a secure grip thanks to its holding points in the cymba and on the antitragus.

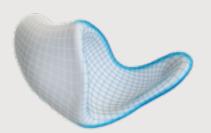
hold in the ear
visibility in the ear

#### SHORT HOOK

This minimalist support covers very little of the ear, is hardly visible and provides reliable hold.

hold in the ear visibility in the ear

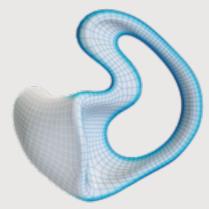




#### RING

This ring-shaped support uses all the holding points of the auricle, has good heat dissipation and allows easy insertion and removal.

hold in the ear
visibility in the ear

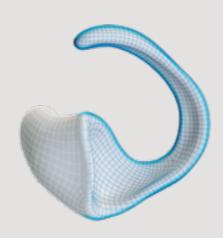


#### LONG HOOK

The holding points of the long hook are located in the lower concha and cymba area and provide additional hold there.

hold in the ear visibility in the ear

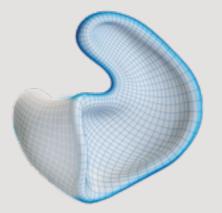




#### SHELL

The shell provides the most secure fit and the highest seal in the ear due to its large contact area.

hold in the ear
visibility in the ear



EARMOLD

## foil |comfort | comfort basic options

For greater flexibility.

#### COUPLING

#### SOUND TUBE

**S** 1.5 x 2.5 mm

M 2.0 x 3.1 mm (standard)M 2.0 x 3.1 mm with anchor part

**L** 2.0 x 3.4 mm **XL** 2.0 x 4.0 mm

We use the sound tube in size M as standard - for very small ears we fit the tube in size S.

#### DRY TUBE

M 2.0 x 3.0 mmL 2.0 x 3.5 mm

#### ANGLE

S

M (standard)

Angles are not glued, but enclosed. Selectable for comfort and comfort basic.

#### SLIM TUBE

For slim tube systems, please include the appropriate tube for mounting – otherwise we drill as standard so that almost any system can be mounted afterwards.

#### VENTING

We complement our ventings with three additional options.

#### // HIGH SEALING

Additional waxing on the tragus increases the seal.

#### // STEPVENT

By stepping back the vent, space is created for a larger bore hole.

#### // VENT EXPANDABLE

Enough distance between sound channel and vent bore ensures easy expansion during later fitting.

#### CONNECTOR AIRBALL

This option facilitates the drying and blowing out of an earmold many times over. The end of the vent is provided with a hole that is matched to the airball. This means that the airball can be attached quickly and easily after cleaning the earmolds.

#### JAW JOINT RECESS

In order to ensure an earmold fitting that is as free of occlusion and chewing noise as possible, we offer this option with all designs.

#### EARWAX RECESS

Existing earwax can collect in this small, funnel-shaped recess between the sound and vent channels. Plug formation and contaminated bores can thus be prevented.

We manufacture this option as standard for all BTE earmolds.

#### ANTI-REFELCTION

An earmold can be made anti-reflective on the surfaces facing the ear canal using a special sandblasting process. The result is a uniform, satin finished surface that does not reflect even in strong light, thus ensuring minimal visibility in the ear.

Cannot be ordered for thermo-flex (satin finished is standard here) and basic (here the matt surface does not allow any further anti-reflective coating).

#### LENGHT EAR CANAL

You can choose between three lengths for different audiological and anatomical conditions.

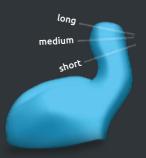
SHORT Ends between the first and

second kink.

**MEDIUM** Ends at the second kink.

(standard)

LONG Ends above the second kink.



#### LENGHT CYMBA

This option influences the hold of a BTE earmold. You can choose between three lengths.

**SHORT** For sensitive customers or

difficult anatomies. Low hold.

M E D I U M Normal hold. (standard)

LONG Strong hold.



#### COLOR MARKING

To be able to distinguish left and right at first go, we provide our earmolds with a color marking as standard.

blue = left | red = right

L 123456789

#### DESIRED LASER ENGRAVING

We engrave a name or number in addition to our serial number and thus mark the nature® earmold according to your individual wishes.



max. 10 characters possible.

## Special shapes

### BTE

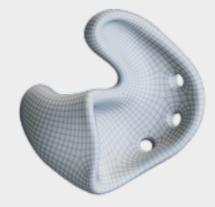
All special shapes can be ordered in all materials and with the sound tube or slim tube coupling. Many other options are also possible, such as anti-reflection or desired laser engraving.

special form 1

#### HOLE-EARMOLD

Earmold with significantly better heat dissipation. Please specify the desired number of holes.

Only available with shell.

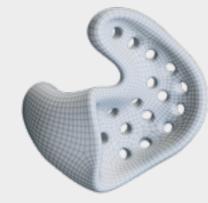


#### special form 2

#### GOLF-EARMOLD

Earmold with maximum ventilation.

Only available with shell.

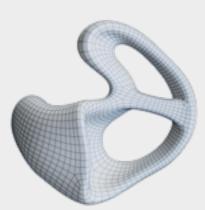


#### special form 3

#### RING WITH BAR

Earmold with more grip for easy handling. The connecting bar also provides more stability.

Only available with ring.



#### special form 4

#### CROSS-/ TUBE HOLDER

Earmold for cross fitting with holding function. *Can also be ordered with claw.* 



## Desired shape not found?

You are looking for a very special shape and have not found it yet? Then simply write to us with your request:

office@bachmaier.de

If desired, we will send you a digital twin in advance for production approval.

#### special form 5

#### CYMBA HOLDER

Earmold with minimal fixation in the external ear. Only suitable for open fittings.

No other retention selectable.



#### special form 6

#### CONCHA HOLDER

Earmold available in open or closed form. The closed form can be ordered with all venting sizes.

Available as long hook, ring or claw.



#### open

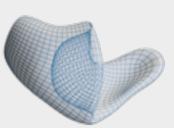
closed

#### special form 7

#### SEMI FOIL

Earmold for very narrow and narrow ear canals.

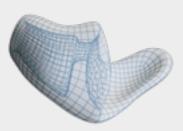
All retentions available.



#### special form 8

#### CHANNEL / HOLLOW CHANNEL

Earmold with natural reinforcement. *All retentions available.* 





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## CUSTOMFIT **Hearing- and Noise Protection** *Overview*

We offer you an extensive portfolio for all areas of application - true to the motto: hearing protection that fits.

All bachmaier® CUSTOMFIT products are precisely adapted to the shape of the ear. The use of 100% biocompatible material guarantees a pleasant wearing experience: no pressing, no sweating, no feeling of being closed off. Our

self-developed filters ensure maximum protection of the hearing, depending on the requirements and the area of application. The products of the bachmaier® CUSTOMFIT hearing protection series are certified according to EN 352-2 and can therefore also be worn at the workplace in accordance with the PPE regulations.

	<b>T</b>			*				
	work	fidelity	helmet	shooter	silence	sleep	silence mini	splash
TYPE	hearing protection	hearing protection	hearing protection	hearing protection	hearing protection	noise protection	noise protection	water protection
MATERIAL (SURFACE)	soft (lacquered) rigid (lacquered)	soft (lacquered)	soft (lacquered)	soft (lacquered)	soft (lacquered)	soft (lacquered)	SOFt (lacquered)	splash (lacquered)
FILTER	work alpha work I work II work III	fidelity b30 fidelity b25 fidelity b15 fidelity b10	work I	filter electronics bachmaier® shooter	-	-	-	-
SNR-VALUE	up to 32 dB (rigid)	up to 25 dB	26 dB	24 dB	22 dB	20 dB	20 dB	-
DESIRED LASER ENGRAVING	~	~	<b>~</b>	~	<b>✓</b>	<b>✓</b>	<b>~</b>	<b>~</b>
UNIFIT	~	~	-	-	-	-	-	-
CORD	~	✓*  *only for fidelity with handle	-	-	<b>✓</b>	-	-	<b>~</b>
CERTIFICATION	EN 352-2 BG approval	EN 352-2 BG approval	EN 352-2 BG approval	EN 352-2   EN 352-7 BG approval	EN 352-2 BG approval	-	-	-
SUITABLE FOR	construction industry craft agriculture & forestry	concerts nightlife travel office teaching clean industry	motorsport industrial applications with helmet	hunting shooting sports industry police & military operations	industry craft hobby leisure	sleep relaxation	learning concentration home office travel relaxation	swimming surfing splashing showers

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## List of recommendations by IFA (German Institute for Occupational Safety and Health)

## Additional marking for signal hearing

#### PASSIVE

N A M E	AME MATERIAL + FILTER		APPLICATION LIMIT [dB(A)]		RECOMMENDED APPLICATION AREA [dB(A)]		H-VALUE	M-VALUE	L-VALUE	SNR-VALUE	COMMENT
			нм	L	нм	L					
		work alpha	106	104	91 - 101	89 - 99	28	24	22	27	W X S V E <sub>1</sub>
	soft	work I	106	103	91 - 101	88 - 98	28	24	21	27	WSVE <sub>3</sub> *
	SOIT	work II	104	100	89 - 99	85 - 95	26	22	18	25	W*
<b>⊕</b>		work III	99	93	84 - 94	78 - 88	24	17	11	20	*
(T) work		work alpha	110	107	95 - 105	92 - 102	32	28	25	31	WSVE <sub>1</sub> *
	shass	work I	112	108	97 - 107	93 - 103	31	30	26	32	WSVE <sub>1</sub> *
	starr ·	work II	105	101	90 -100	86 - 96	27	23	19	26	W
		work III	102	98	87 - 97	83 - 93	26	20	16	23	
	UNIFIT work		100	98	85 - 95	83 - 93	23	20	18	23	W S E <sub>3</sub>
		fidelity b15	96	96	81 - 91	81 - 91	13	14	14	15	W X S V E <sub>1</sub>
ر د ا داند.	soft	fidelity b25	103	103	88 - 98	88 - 98	21	21	21	23	W X S V E <sub>1</sub>
ighthal fidelity		fidelity b30	105	105	90 - 100	90 - 100	24	23	23	25	W X S V E <sub>1</sub>
UNIF	UNIFIT fidelity	UNIFIT fidelity		94	82 - 92	79 - 89	18	17	14	19	W X S V E <sub>2</sub>
helmet	soft	work I	104	102	89 - 99	87 - 97	28	22	20	26	W E <sub>3</sub>
≪ silence	soft	-	100	97	85 - 95	82 - 92	25	18	15	22	W E <sub>3</sub>

### ACTIVE (ELECTRONIC)

NAME	MATERIAL + FILTER		APPLICATION LIMIT [dB(A)]		LEVEL-DEPENDENT ATTENUATION	SAFETY-RELEVANT COMMUNICATION (EN 352-6, WITHOUT LEVEL LIMITATION)
shooter	soft	bachmaier® shooter	100	103	✓	-
ighthal fidelity earphones	soft	-	105	101	-	cable   2-way communication

#### **EXPLANATIONS**

Application limit = Value of the daily noise exposure level LEX, 8h at which a level of 85 dB(A) is reached at the user's ear. Recommended application area = The area of the daily noise exposure level LEX, 8h at which a level between 70 and 80 dB(A) is reached at the user's ear.

H., M., L-value = Attenuation values for high, medium and low frequency noise.

SNR value = Single Number Rating of attenuation (must be subtracted from the C-weighted level at the workplace).

Area of application HM = High/medium frequency noise (LC - LA ≤ 5 dB), HML-Check according to DIN EN 458, i.e. calculation with M-value.

Area of application L = Low-frequency noise (LC - LA > 5 dB), HML-Check according to DIN EN 458, i.e. calculation with L-value.

#### COMMENT

**W** = Criteria "general hearing of warning signals", "noises containing information" and "speech intelligibility" fulfilled. (Mean increase of the average values of the octave sound insulation maximum 3.6 dB/octave.)

S = Signal hearing possible in the track superstructure.
V = Signal hearing possible when driving vehicles in public traffic.
E1 | E2 | E3 = Signal hearing for train drivers and shunting drivers in railroad operation possible. Use only permitted after successfully passing a hearing test according to the technical information of VBG and UVB "Noise protection measures for train drivers and shunting drivers" (previously BGI/GUV-I 5147). E1 = Very suitable, especially for people with hearing loss. | E2 = Well suited. | E3 = Limited suitable.



# bachmaier®

HEARING PROTECTION





HANDICRAFT | AGRICULTURE &

#### WHEN THE WORKS SIREN BLARES EARLY IN THE MORNING

The bachmaier® work reliably filters out disturbing or harmful noise and reduces it to a safe level. Signal hearing and speech intelligibility are retained - which is absolutely essential, especially when working in a team. The hearing protection ensures maximum work quality and longlasting concentration - without any noise-related fatigue.

#### HARD SHELL OR SOFT CORE

Thanks to customised production the bachmaier® work fits perfectly: no falling out and no feeling of pressure! The soft silicone hearing protection is so comfortable to wear that you can hardly feel it. We recommend the robust acrylic material if there is a lot of dust & splinters flying around. The bachmaier® work can be quickly fitted and removed at any time thanks to its handle.

// tested according to EN 352-2 standard // approved by occupational insurance association // with filter technology // choice of 4 filter levels

// SNR value: max. 32 dB (rigid) | max. 27 dB (soft) // optional with cord

// also available as UNIFIT





#### MATERIAL

We manufacture bachmaier® work from rigid acrylate or soft 40 Shore silicone.

materials in detail > page 104/106

Our **rigid** material is crystal clear, resistant and extremely durable. The surface including the inside is lacquered as standard and at no extra charge. This complete, highdensity sealing creates a brilliant glass look.







Our material **soft** (40 Shore silicone) is flexible, soft and highly robust. The surface is lacquered.

















In addition to a right and left side marking, there is the possibility of having the name lasered onto the product.

## UNIFIT

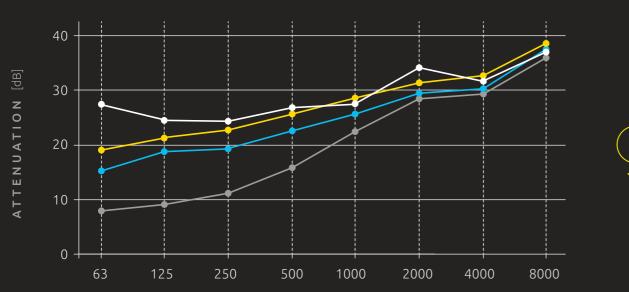
#### SOUND ATTENUATION

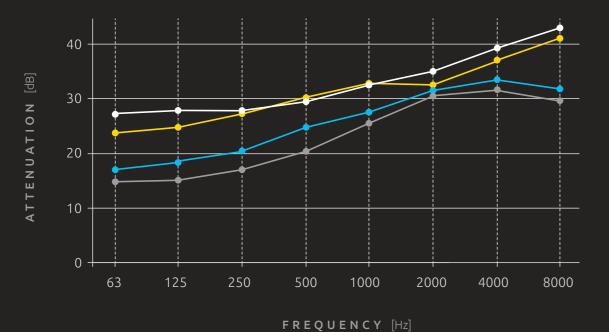
FILTER	SNR-value [dB]	H-value [dB]	M-value [dB]	L-value [dB]
work <b>alpha</b>	27	28	24	22
work <b>I</b>	27	28	24	21
work <b>II</b>	25	26	22	18
work <b>III</b>	20	24	17	11

SNR-value [dB]	<b>H-value</b> [dB]	<b>M-value</b> [dB]	<b>L-value</b> [dB]
31	32	28	25
32	31	30	26
26	27	23	19
23	26	20	16

#### ATTENUATION GRAPH (average value of sound attenuation)







bachmaier®







#### UNIFIT - FITS EVERY EAR

// maximum protection with minimum size

// shortened handle

// soft silicone tips in 2 sizes

// with filter technology

// durable & reusable

// including storage sleeve

#### FOR OPTIMAL SIGNAL HEARING

This standard hearing protection combines high attenuation over all frequencies with optimum signal perception. UNIFIT work reliably protects the ear against harmful noise while maintaining signal perception. Thanks to metal filter technology, UNIFIT bachmaier® work is detectable.

// tested according to EN 352-2 standard // approved by occupational insurance association

H-value: 23 dB | M-value: 20 dB | L-value: 18 dB

50% TRIAL DISCOUNT

Your personal discount code:

UNIFIT\_WORK

Enter this code in the field provided in the shopping basket at **shop.bachmaier.de**.

\*Discount code redeemable for 10 pairs.



# bachmaier®







THE PERFECT COMPANION FOR CONCERTS | NIGHTLIFE | TRAVEL | OFFICE | TEACHING & CLEAN INDUSTRY.

#### WAVEBREAKER FOR THE EARS

The bachmaier® fidelity was developed for clear and tonal accurate hearing and enables perfect communication – even in very loud environments. The special filter technology combines undistorted sound reproduction with excellent protection. Whether you're going to concerts, festivals, the disco or simply to the office: with the bachmaier® fidelity in your ear you can really hear everything – at a comfortable volume and with perfect sound.

#### SMALL IN THE EAR, BIG IN THE EFFECT

The bachmaier® fidelity is custom-made and therefore fits perfectly: no falling out and no feeling of pressure! This hearing protection sits discreetly in the ear and is so comfortable to wear that you can hardly feel it. The use of 100% biocompatible material guarantees a pleasant wearing experience: no pressing, no sweating, no feeling of closure.

// tested according to EN 352-2 + ANSI standard // approved by occupational insurance association // with high-tech filter technology // choice of 4 different filters and 3 models // optional with cord // also available as UNIFIT



#### MATERIAL

Our material **soft** (40 Shore silicone) is flexible, soft and highly robust. The surface is lacquered.

material in detail > page 106











#### DESIRED LASER ENGRAVING

In addition to a right and left side marking, there is the possibility of having the name lasered onto the product.

#### ADD-ONS

- + compatible with bachmaier® *shooter* electronics
- + compatible with bachmaier FIDELITY **EARPHONES**





Available in the bachmaier® online store!

#### CUSTOMFIT bachmaier® fidelity

#### MODELS

fidelity without handle

**Z** fidelity **with handle** 

fidelity with flush filter







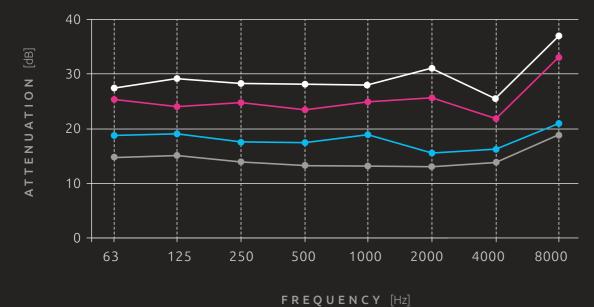
#### SOUND ATTENUATION

## fidelity (soft

FILTER	SNR-value [db]	<b>H-value</b> [db]	<b>M-value</b> [db]	<b>L-value</b> [db]
fidelity <b>b10</b>	11	10	9	10
fidelity <b>b15</b>	15	13	14	14
fidelity <b>b25</b>	23	21	21	21
fidelity <b>b30</b>	25	24	23	23

ATTENUATION GRAPH (average value of sound attenuation)

● fidelity **b10** ● fidelity **b15** ● fidelity **b25** ● fidelity **b30** 



## UNIFIT









#### UNIFIT - FITS EVERY EAR

// maximum protection with minimum size

// shortened handle

// soft silicone tips in 2 sizes

// with filter technology

// durable & reusable

// including storage sleeve

#### FOR FIDELITY HEARING

The UNIFIT fidelity convinces with its consistent attenuation and good speech intelligibility. The ear is protected from excessive noise, true hearing and excellent communication remains possible. The almost linear and flat attenuation in conjunction with the SNR value of 19 dB make this standard hearing protection the ideal companion for almost all noise situations.

// tested according to EN 352-2 standard // approved by occupational insurance association

H-value: 18 dB | M-value 17 dB | L-value: 14 dB

50%

TRIAL DISCOUNT

Your personal discount code:

UNIFIT\_FIDELITY

Enter this code in the field provided in the shopping basket at **shop.bachmaier.de**. \*Discount code redeemable for 10 pairs.

ARING & NOISE PROTECTION

## bachmaier® helmet

HEARING PROTECTION







#### THE PERFECT COMPANION FOR MOTORSPORT AND INDUSTRIAL APPLICATIONS WITH HELMET.

#### ADIÉU WIND NOISES & CO

The bachmaier® helmet effectively attenuates disturbing or harmful frequencies of wind and driving noise. Thanks to the integrated filter, you never feel isolated from the outside world in any situation. The warning signals in traffic, the voice of the co-rider and - very importantly the sound of the engine remain clearly perceptible. With the bachmaier® helmet you can enjoy every tour again, savour the driving pleasure to the full and arrive at the end completely relaxed - without any subsequent ringing in the ears or headaches.

#### EASY HANDLING, COMFORTABLE FIT

This hearing protection is ideal for helmet wearers due to its extra small size. It fits perfectly thanks to its custommade design: no falling out and no feeling of pressure. Thanks to the soft silicone and small size, these hearing protectors are so comfortable to wear that you can hardly feel them.The bachmaier helmet can be quickly fitted and removed at any time with its handle.





// tested according to EN 352-2 standard // approved by occupational insurance association // with filter technology

Our material **soft** (40 Shore silicone) is flexible, soft and highly robust. The surface is lacquered.

material in detail > page 106



















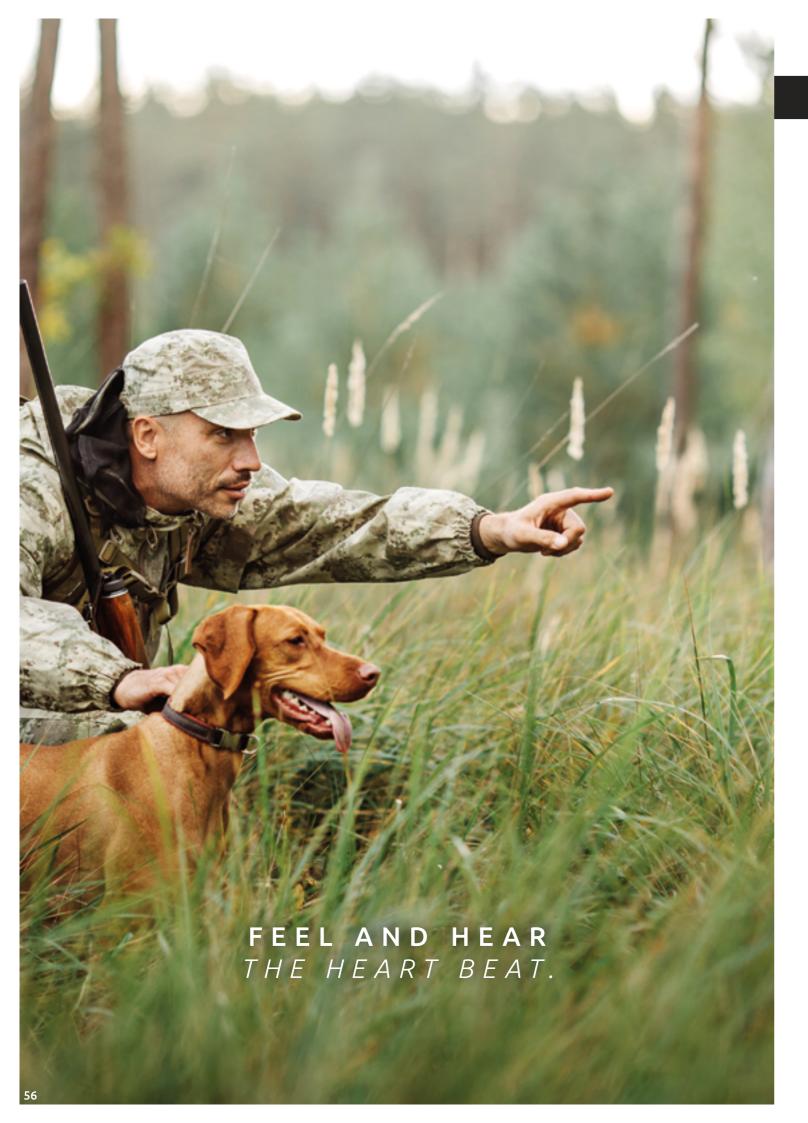




#### DESIRED LASER ENGRAVING

In addition to a right and left side marking, there is the possibility of having the name lasered onto the product.





## bachmaier® shooter

HEARING PROTECTION



THE PERFECT COMPANION FOR HUNTING | SPORT SHOOTING | INDUSTRY | POLICE & MILITARY OPERATIONS.

#### TOUGH HIGH-TECH PROTECTION

This custom-made impulse hearing protection is equipped with a highly advanced active electronics. This reduces loud, sudden noise peaks to a comfortable level that is not harmful to the hearing. With the bachmaier® shooter you can hear all ambient noise, both before and immediately after the shot, at the usual volume. This means you are immediately ready for action again without any whistling in your ears.

> All information on the electronics on page 59.

#### LISTENING LIKE A LYNX

The bachmaier® shooter fits perfectly thanks to customisation: no falling out and no feeling of pressure! The hearing protection made of soft silicone is so comfortable to wear that you can hardly feel it. Listen like a lynx – permanently without hearing damage.

// tested according to EN 352-2 + EN 352-7 standard // approved by occupational insurance association // with active filter technology

// 3 settings for selecting the environmental volume

#### MATERIAL

Our material **soft** (40 Shore silicone) is flexible, soft and highly robust. The surface is lacquered.

material in detail > page 106

including case and

cleaning tool!















#### DESIRED LASER ENGRAVING

In addition to a right and left side marking, there is the possibility of having the name lasered onto the product.

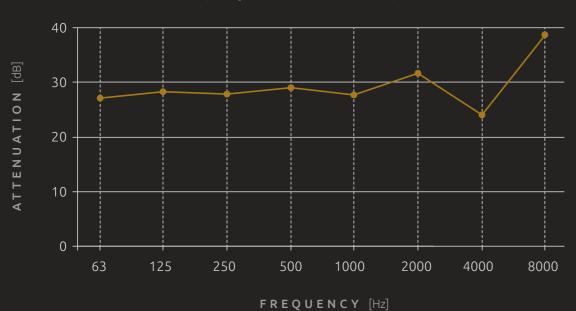
#### CUSTOMFIT bachmaier® shooter

#### SOUND ATTENUATION

SNR-value	H-value	M-value	L-value
24 dB	23 dB	23dB	24 dB

passive attenuation EN 352-2

#### ATTENUATION GRAPH (average value of sound attenuation)



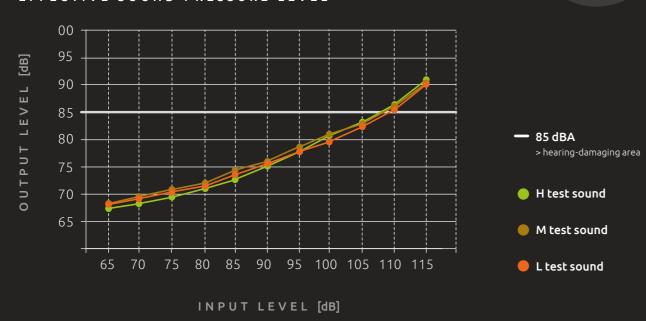
#### LEVEL-DEPENDENCY

H-value	M-value	L-value
103,1 dB	102,6 dB	105,5 dB

criteria levels

active attenuation EN 352-7

#### EFFECTIVE SOUND PRESSURE LEVEL



## CUSTOMFIT





#### FILTER ELECTRONICS

The professional filter electronics bachmaier® shooter reacts automatically to impulse and continuous noise. It attenuates all level peaks above 85 dB up to the criterion level of 107 dB. Under a noise exposure of 85 dB, the active hearing protection allows speech intelligibility. Ideal for hearing all ambient sounds and being protected from impulse noise. To adjust the ambient sound level, you can choose between three programmes using a push-button switch:

- 1 QUIET // attenuation of all frequencies by 6 dB
- 2-NEUTRAL// no attenuation or gain of ambient sound level
- 3 LOUD // gain of all frequencies by 6 dB

// tested according to EN 352-2 and EN 352-7 standard // colour: black // battery size: 10 // operating time approx. 80 hours

#### A D D - O N S

+ compatible with CUSTOMFIT bachmaier® fidelity

## bachmaier® silence

HEARING PROTECTION







#### THE PERFECT COMPANION FOR INDUSTRY | HANDICRAFT | HOBBY & LEISURE.

#### FOR EVERYTHING THAT SCREECHES & RATTLES

This custom-made hearing protection is a real all-rounder in its field of application. No matter whether you are doing DIY, snowblowing or lawnmowing - your hearing is always reliably protected and you can devote your full concentration to any task. With CUSTOMFIT bachmaier® silence you have found an uncomplicated, robust and durable hearing protection for hobby and profession.

#### EASY HANDLING, SECURE FIT

Thanks to customised production, the bachmaier® silence fits perfectly: no falling out and no feeling of pressure! The soft silicone ear protectors are so comfortable to wear that you can hardly feel them. Thanks to its handle, the hearing protection can be fitted and removed easily at any time.

// tested according to EN 352-2 standard // approved by occupational insurance association // optional with cord





#### MATERIAL

Our material **soft** (40 Shore silicone) is flexible, soft and highly robust. The surface is lacquered.

material in detail > page 106









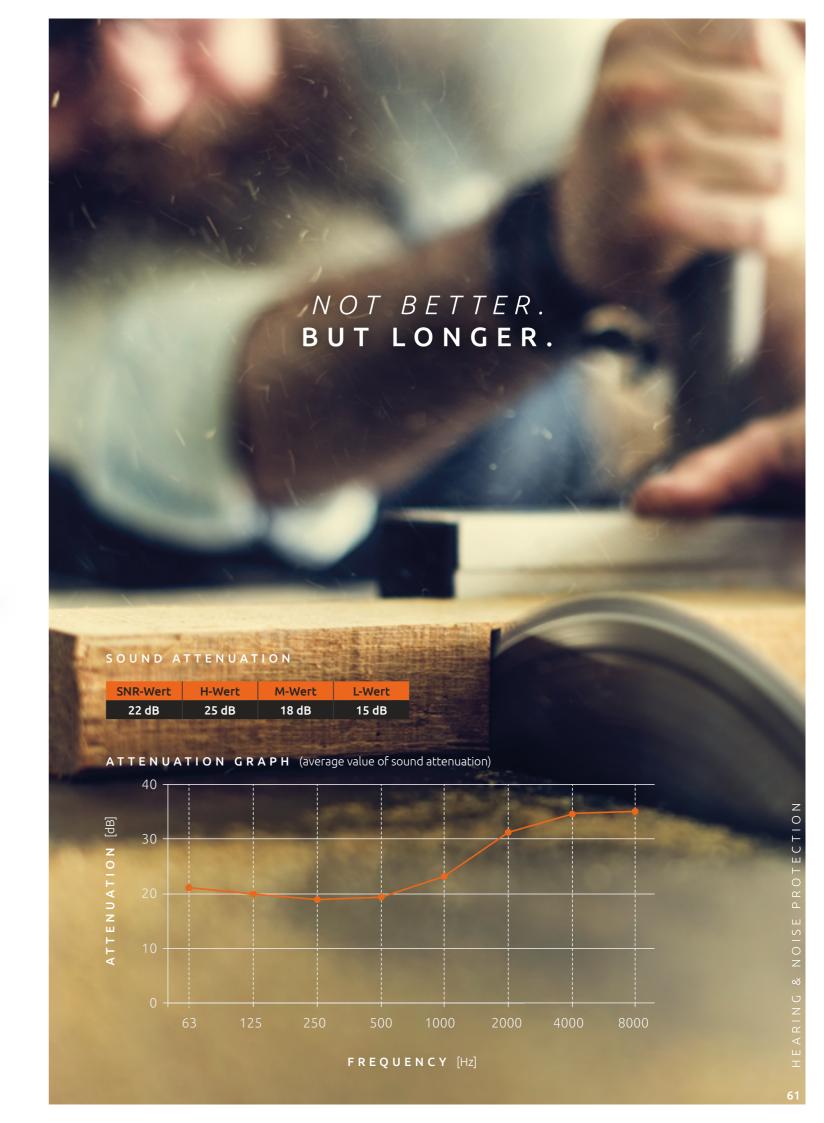








In addition to a right and left side marking, there is the possibility of having the name lasered onto the product.





## bachmaier® sleep







THE PERFECT COMPANION FOR HOTEL | MOUNTAIN HUTS | CAMPING SITES | COUCH & MARITAL BED

#### SILENCES THE SNORING MONSTER

The bachmaier® sleep reliably attenuates all sleep disturbing noises, such as snoring or traffic noise, allowing you to fall asleep and dream again in a relaxed way. Distinctive and important noises, such as an alarm clock, the telephone or the screaming of a child, remain hearable. This noise protection reliably ensures a restful sleep and peaceful nights - whether in a mattress camp in a mountain hut, in a hotel bed on the Côte d'Azur or on the couch at home.

#### SMALL, INCONSPICUOUS & COMFORTABLE

Thanks to the super-soft silicone and its tiny size, bachmaier® sleep is so comfortable that you hardly feel it and is therefore ideal for side sleepers. Thanks to the custom-made design it fits like it was cast-on, no falling out and no feeling of pressure! A small, soft handle ensures that the noise protection can be quickly inserted and removed.





// ideal for side sleepers // with handle

#### MATERIAL

Our material **soft** (40 Shore silicone) is flexible, soft and highly robust. The surface is lacquered.

material in detail > page 106















#### DESIRED LASER ENGRAVING

In addition to a right and left side marking, there is the possibility of having the name lasered onto the product.

<sup>\*</sup> internally evaluated reference attenuation value

## bachmaier® silence mini

NOISE PROTECTION









#### ADIÉU BLABBERMOUTH & CO

The bachmaier® silence mini fits extra discreetly in the ear thanks to its small and snug design and effectively protects the hearing from everyday noise. This noise protection ensures silence and relaxation in a heartbeat no matter whether you are travelling by public transport, need to concentrate in your home office or want to read a book in a café.

#### EASY HANDLING, COMFORTABLE FIT

This noise protection is custom-made exactly after the impression of your ears and therefore fits perfectly: no falling out and no feeling of pressure! Thanks to the supersoft silicone and its tiny size the bachmaier® silence mini is so comfortable that you hardly feel it. It feels so natural that after a while you will forget you have anything in your ears at all. Thanks to its integrated recessed handle, you can fit and remove the noise protector in a relaxed way.





// small and inconspicuous in the ear // with recessed handle

#### MATERIAL

Our material soft (40 Shore silicone) is flexible, soft and highly robust. The surface is lacquered.

material in detail > page 106

















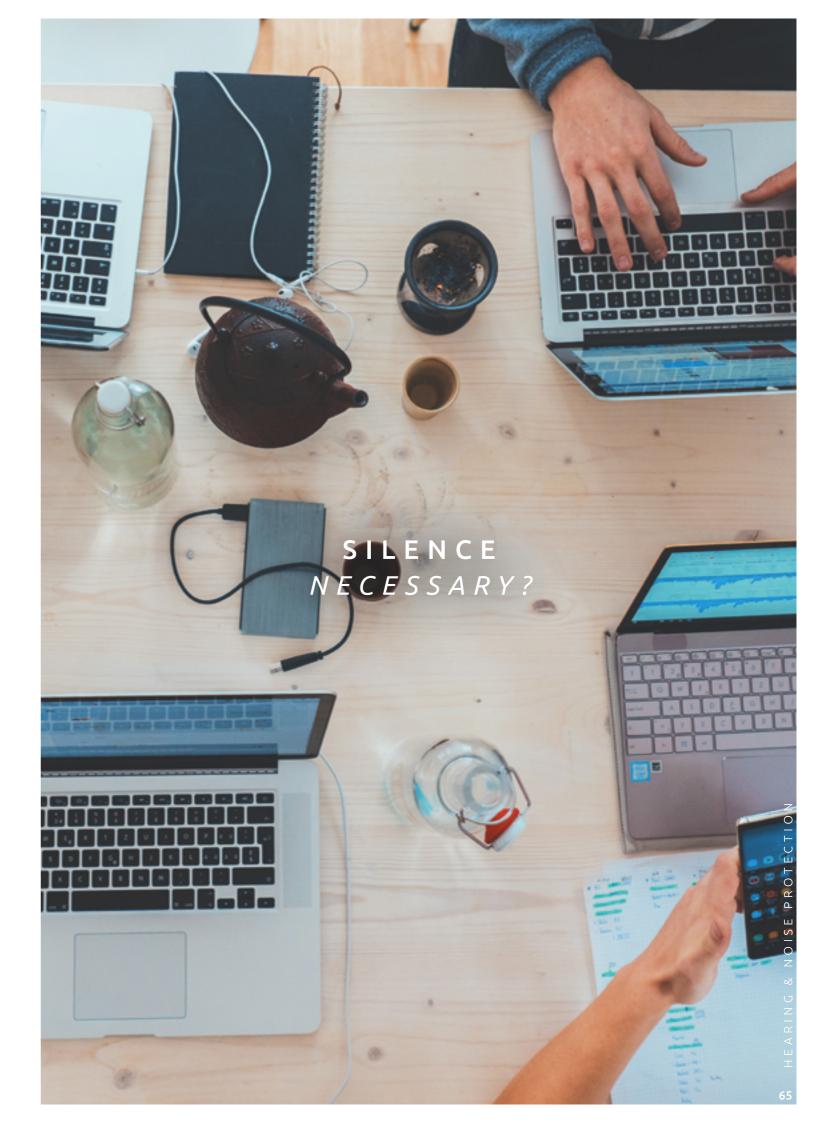


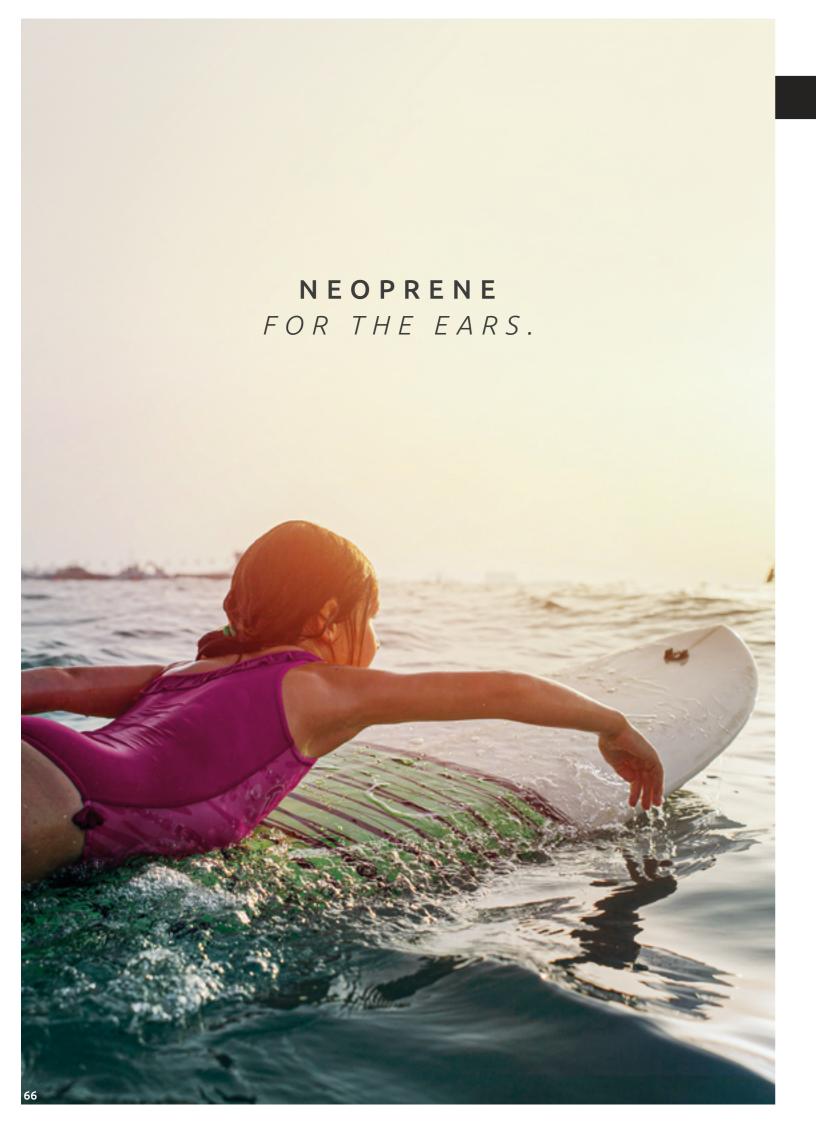


#### DESIRED LASER ENGRAVING

In addition to a right and left side marking, there is the possibility of having the name lasered onto the product.

\* internally evaluated reference attenuation value





# bachmaier®









#### THE PERFECT COMPANION FOR SWIMMING | KITING | SURFING | SAILING | SPLASHING & SHOWERING.

Not suitable for sport and professional divers.

#### TYMPANIC TUBES & CO

The soft, floating silicone seals the ear and the entire auricle, thus preventing water or bacteria from entering the ear canal. Infections and inflammations of the inner ear can thus be prevented. Good news for all surfers, swimmers, sailors and water rats – whether at the sea or in a swimming pool. The bachmaier® splash is also perfect for children with tympanic tubes.

#### EASY HANDLING, COMFORTABLE FIT

Thanks to customisation, the bachmaier® splash fits like a glove, no falling out and no feeling of pressure! Thanks to its handle, the water protection can be fitted and removed easily, even by children.

// ideal for children with tympanic tubes

// floatable

// with handle

// optional with cord

#### MATERIAL

Our material **splash** (35 shore silicone) is floatable, very soft and elastic.

material in detail > page 107











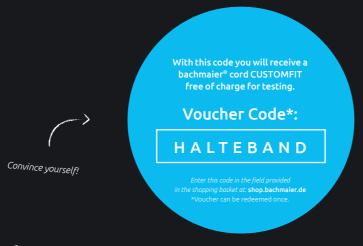




#### DESIRED LASER ENGRAVING

In addition to a right and left side marking, there is the possibility of having the name lasered onto the product.

All accessories, prices and information can be found at: www.shop.bachmaier.de



# Keeps, what it promises!

The bachmaier $^{\circledR}$  cord CUSTOMFIT.

// QUIET	The cord (1) produces almost no transmission sound thanks to its hydrophobic coating and wide-mesh interlacing.
// COMFORTABLE	The special surface coating of the cord guarantees maximum wearing comfort.
// INNOVATIVE	The advanced connecting element (2) is designed to act as a release point in case of too high tensile load (PPE Regulation EU 2016/425) and at the same time to interrupt the sound conduction.
// RELIABLE	The elastic TPE element (3) releases securely from the anchorage at a tensile load of approx. 1.0 kg, thus significantly minimising the risk of injury.
// COMPATIBLE	The cord CUSTOMFIT is suitable for all rigid and soft earmoulds with a handle hole $\geq 2.9~\text{mm}$
// HIGH QUALITY	The cord is produced by bachmaier® and undergoes a 100% quality inspection of the adhesive connection.
// SIMPLE	The complete cord is mounted in the twinkling of an eye. The removable, stable clip (4) holds reliably on almost all textiles.
// SAVE	The components are detectable and flame-resistant (EN ISO 352).





#### HEARING PROTECTION ACCESSORIES

You can find our free promotional items at: www.shop.bachmaier.de



Anyone who thinks that hearing protection advertising is always dust-dry is totally wrong! With our posters and flyers you can advertise the individual CUSTOMFIT hearing protection products in a specific way and with a twinkle in your eye.



#### FLYER

All the important facts about CUSTOMFIT hearing protection products are clearly and compactly explained here. features & info | product picture | SNR value | colour range flyer package SKU: 8452

#### OSTER

All eight poster designs are available as a package in DIN A1 or DIN A2 format.

DIN A1 SKU: 8465 | DIN A2 SKU: 8453

# Put through its paces.

Within the framework of the valid PPE regulation, a permanent duty of documentation is required when hearing protection earmoulds are supplied, in which a functional test must be carried out on the customer.

According to the PPE regulation (EU) 2016/425, manufacturers and distributors of hearing protection earmoulds are only allowed to place products on the market with sufficient protective effect. To ensure the protective effect, a functional test is required when custom-made hearing protection is supplied and thereafter at intervals of three years.

The functional test can be an acoustic test (audiometry) or an air pressure measurement (leak test) of the hearing protection earmould worn in the ear canal. Only after passing the functional test an assured sound attenuation of the hearing protection can be assumed.

- A) AUDIOMETRICAL TEST METHOD
- B) LEAK TEST METHOD BY AIR PRESSURE



All information and detailed instructions on the audiometrical and leak test methods can be found at: www.bachmaier.de/funktionspruefung

test result

Leak test instrument available in the bachmaier®

online shop.

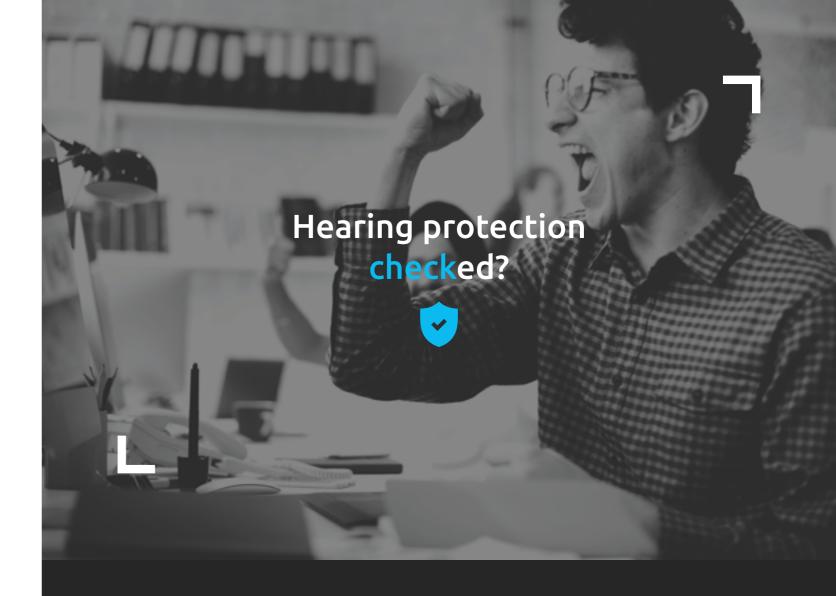
#### LEAK TEST INSTRUMENT

Incl. two adapters, filter removal pliers and battery 9V

With the help of the supplied adapters, many custommade hearing protection products from other brands can also be tested according to the valid standard EN 352. The instrument can be easily operated by two push buttons.

// dimensions: 138 x 66 x 27 mm

bachmaier® leak test instrument with case SKU: 2116P

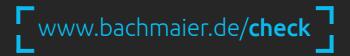


#### COMMUNICATE RESULT WITH ONE CLICK

The PPE regulation (EU) 2016/425 requires the documentation of the functional test and the training of the user. To keep the process simple and uncomplicated, we have developed the online registration portal **Hearing Protection Check**.

At www.bachmaier.de/check you can confirm the user's instruction for the correct use and document the functional test.

If you miss the hearing protection check, the certification according to the PPE regulation (EU) 2016/425 is not applicable for the respective hearing protection.



Fill in.

Submit.



# **Snug Earmold** *for Apple AirPods*

"Snug" is English and means cozy, comfortable and cuddly - all characteristics of this innovative earmold shape.







Apple's AirPods are among the most popular Bluetooth headphones on the market. Apple promises an incomparable wireless headphone experience combined with maximum freedom of movement – at least for the majority of users. After all, those whose ears fall outside the norm will either struggle with pressure points or a lack of support with the AirPods. Since the geometry of these headphones offers hardly any undercuts or support points, the fixation of an earmold has so far only been possible by means of a fully enclosing silicone sleeve.

#### THE SNUG EARMOLD

Instead of a fully enclosing silicone shell, we use rigid material and an extremely reduced design for our Snug earmold. The AirPod is simply clicked into the ring designed for this purpose. In this way, the earmold fits perfectly around the earpiece and is firmly fixed. An additional sealing ring ensures a 100% seal at the sound outlet.



// 100% fit

// fitting also possible for "too small ears"

// sound hole for an even better sound image

// recess for the sensors

// all functions of the AirPods are retained

// open earpiece system – no isolation

// easy to handle

#### MATERIAL

We manufacture snug earmolds from rigid acrylate. The product undergoes the same careful process as a classic earmold made of rigid material - the only difference being that we dispense with the time-consuming varnishing process at the end

material in detail > page 104





Our **rigid** material is resistant and extremely durable. The surface of the snugs is matt polished. White is our standard color, but we can also produce black and transparent on request.

#### LASERGRAVUR

In addition to a right and left side marking, there is the possibility of having the name lasered onto the product.



# Headphones available?

*Almost every jogger knows the problem:* In-ear headphones often offer good sound, but keep falling out of the ears. Our customized earmolds improve the wearing comfort, support and sound of these headphones many times over.







#### **Earmolds** for in-ear headphones and headsets

In-ear headphones have a standard shape that fits well in most ears – at least for a short time. However, anyone who wears these headphones in the ear for a longer period of time has to keep adjusting them and pushing them in. The constant pressure leads to irritation in the ear canal and inevitably to painful pressure points.

Our earmolds for headphones and headsets sit in the ear completely pressure- and pain-free, even after hours. Due to the perfect fit to the ear canal, they offer an even more intensive sound perception, especially in the low frequencies. The precision-fit shape also effectively shields the ear from disruptive ambient noise.

#### CONSTRUCTION

Depending on the headphone model, we choose between a full **concha**, **half concha** or **ear canal earmold**. In any case, we design the earmold to be as small and as unobtrusive as

#### MATERIAL

Our material **soft** (40 Shore silicone) is flexible, soft and highly robust. The surface is matt lacquered as standard. A **glossy lacquer** can be selected as an option.

material in detail > page 106















#### LASERGRAVUR

In addition to a right and left side marking, there is the possibility of having the name lasered onto the product.



# THE COLUMN TO TH









# 8 REASONS for HEAROS

IN-EARS

#### #1

#### FOR STAGE & LEISURE

Whether for the big stage show or the daily workout – HEAROS for stage and leisure are custom-made head-phones that are perfectly tailored to the individual needs of its wearers.

#### #2

#### GREAT FIT

Thanks to perfect customization, HEAROS sit ultracomfortably in the ear and you can enjoy music for hours. Whether in the band room, on stage or during sports – slipping, sudden falling out or annoying pressure does not exist with HEAROS.

#### #3

#### BRILLIANT SOUND

With modern Balanced Armature (BA) technology HEAROS produce the perfect sound, even in the smallest space. These drivers provide extremely clear, detailed and precise sound full of brilliance. Harmonious sound tuning makes the music sound 100% honest!



#### #4

#### ROBUST MATERIALS

Thanks to selected materials and sophisticated technology, HEAROS are not only robust and resistant, but also splash-proof and sweat-resistant! The shell of the HEAROS is optionally made of acrylic or thermo-flex material.

HEAROS materials in detail > page 84

#### #

#### DETACHABLE CABLE

Estron's detachable cables are specially designed for In-Ear monitoring systems - lightweight, snug and flexible. Thanks to their robust design, the cables are resistant to sweat, UV and corrosion, making them ideally suited for heavy-duty use.



#### #6

#### HIGH-END CONNECTOR SYSTEM

The sound is transmitted by a T2 plug-in system. Special sealing rings protect the connection against sweat and dirt. The corrosion-resistant nickel-gold coating of the contacts ensures crystal-clear signal transmission in any situation!

#### #7

#### FASCINATING COLORS

There are no limits to your imagination! Whether pastel, neon, glitter or metallic - currently the faceplate, shell and logo of the HEAROS can be designed from almost 100 different colors.

All HEAROS colors > page 85

#### #8

#### HANDMADE WITH LOVE

All HEAROS are holistically developed, designed and produced in precise handwork! This is the 100% handmade in bavaria

only way to create perfect, passionately crafted one-of-a-kind products. Only the housing base is manufactured in a special 3D printing process.

#### **HEAROS MATERIAL**





#### RIGID | RESISTANT| DURABLE

This HEAROS material is extremely robust and impact-resistant, thus protecting the HEAROS even from damage caused by "somewhat rougher" handling. The additional lacquering provides a shiny finish, seals the surface and thus protects against environmental influences such as sweat and sunlight. The In Ears can be cleaned more easily and maintain their color splendor even longer.

- faceplate & shell material | 72 colors | glossy | with lacquering -



This HEAROS premium material is rigid at room temperature and becomes soft and flexible when worn in the ear. The material thus fits perfectly to the auditory canal: A natural wearing sensation is guaranteed and nothing stands in the way of the perfect sound experience! Thermo-flex is very robust and thus defies even the harshest conditions to which headphones can be exposed. *Please note that we use this material exclusively for the shell of the HEAROS!* 

- material for shell | 10 colors | matt | without lacquering -

#### **HEAROS COLORS**

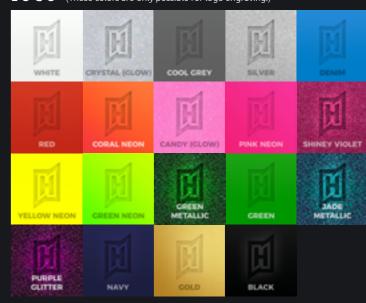
#### ACRYLIC

BLUSH	CREAM	WHITE	SUGAR	COOL CREY	BLACK PEARL	WARM TAUPE	SILVÉR	core
FLAMINCO	NEW	NEW	SPRING	MINT	SUMMERSKY			NEW
FIRE	CORAL	BUTTERCUP	TROPICAL SEA	TEAL	AZURĘ GLITTER	INDIGO	LILAC	PINK
RED	NEW	YELLOW	LIME		DENIM	ROYAL BLUE	VIOLET	PINK CULTER
RED	NEW MUSTARD	VELLOW	SHAMROCK GLITTER	TURQUOISE	PETROL	NAVY GUITTER	VIOLET GLITTER	BERRY
NEW SECTION OF THE PARTY SECTI	AMBER	LEMON	SHAMROCK	Turiquess Curren	NAVY	ROYAL PURPLE	NEW AURIEPGINE	CHERRY
HAZELNUT	NEW COMPER	CROCODILE	EMERALO GLITTER	FOREST GUTTER	MIDNIGHT SUTTER	ROVAL PURPLE GLITTER	GRAPHITE	CHERRY
BROWN	NEW CHOCOLATE	ARMY	EMERALD	FOREST	MIDNICHT	ANTHRACITE	BLACK GUITTER	BLACK

#### THERMO-FLEX

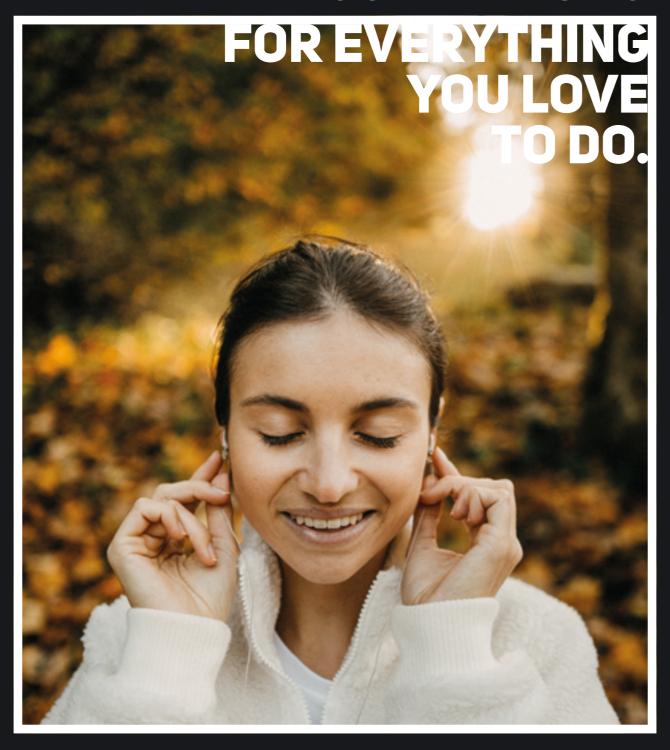


#### LOGO (These colors are only possible for logo engraving.)



# IN-EARS

### THESE HEAROS ARE THE IDEAL COMPANIONS



# HEAROS



#### casual workout

Whether you're a highperformance athlete or a casual jogger, HEAROS are so comfortable that you can wear them even during very long workouts without anything pinching or squeezing.



#### undisturbed work

All custom HEAROS have such good isolation from outside noise that you can neither hear your fellow human beings, nor your work colleagues the beats of your creative motivational music.



Thanks to its extremely robust design, you can take your HEAROS with you on any journey, big or small. So you are not only in the train to work, but also on the plane to Spain with the best sound supplied.

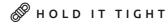


#### delightfu chilling

With HEAROS you can enjoy your playlist in excellent sound quality and relax in any favorite place.



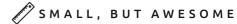
#### **NICE TO KNOW**



Whether you move up and down, forwards, backwards or sideways... HEAROS In-Ears fit like a glove in your ear, so you won't lose them even during the toughest workout. The bombastic fit is the result of handmade custom work and perfect adjustment. In-Ear headphones that wobble or even fall out are a thing of the past with HEAROS!

#### ∠ X WELL INSULATED

**Pure sound even at minimum volume.** HEAROS block most of the ambient noise. So you can enjoy your sound undisturbed even at an ear-friendly volume – on your PC as well as on the go with your smartphone. If you overuse the volume control – DON'T WORRY! Nobody around you will hear about it!



Lightweight and unobtrusive, your HEAROS provide 100% sound in the ear. Modern Balanced Armature drivers are built into your HEAROS. These miniature loudspeakers are smaller, lighter and more detailed than the conventional dynamic drivers and allow us a minimum size. So your HEAROS disappear almost completely into your ear while still sounding clear and precise.

#### TEAR COMFORT

No squeezing, pinching or biting in the ear - even if you listen to music for hours! All HEAROS of the leisure series are custom-made, unique products that fit perfectly in your ears and therefore offer the highest wearing comfort. No annoying sliping, no nasty pressure points!

86

# HEAROS BANGI

Small but mighty! These tiny In-Ears sit almost invisible in the ear.





#### SCOPE OF DELIVERY

HEAROS BANG I

BaX T2 cable

soft case with carabiner

microfibre bag

cleaning tool

#### 1-WAY SYSTEM WITH 1 DRIVER

Thanks to the individual fitting and the special construction form, the compact driver technology sits inconspicuously in the ear canal. Although tiny, these In-Ears can be heard with their 1-way technology.

#### MATERIAL

shell: acrylic or thermo-flex faceplate: acrylic materials and colors > page 84/85

#### CABLE

Estron Linum G2 BaX T2

#### CONNECTOR SYSTEM

T2 plug connection

#### **HEAROS BANG I**

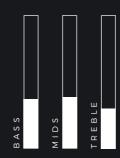
the tiny one

#### TECHNOLOGY

1-way system with 1 driver



1x fullrange Balanced Armature driver for a precise bass, midrange and height reproduction





"THE HEAROS BANG I IS MY ABSOLUTE FAVORITE ACCESSORY. STYLISH AND VERY COMFORTABLE TO WEAR."

Camilla Roth

**-**∕∧ FREQUENCY

20 Hz - 12 kHz

»)(« SENSITIVITY

110 dB / 1 mW

**MAX. OUTPUT** 118 dB/1 kHz

Ω

IMPEDANCE

22 Ohm

»|
SOUND ATTENUATION

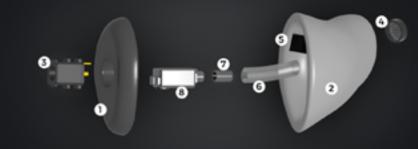
up to 25 dB

Œ□Þ CONNECTOR

1 ...

3,5 mm jack

- 1 faceplate
- 2 shell
- **3** T2 socket
- **4** earwax guard
- **5** RFID chip
- **6** sound tube
- o sound tube
- **7** acoustic damper
- 8 BA driver



# HEAROS BOOMII

this all-rounder offers every music lover maximum flexibility for sports and leisure.





#### SCOPE OF DELIVERY

HEAROS BOOM II

BaX T2 cable

soft case with carabiner

microfibre bag

cleaning tool

#### 2-WAY SYSTEM WITH 2 DRIVERS

With its compact 2-way technology, the BOOM II combines rich sound and pleasant wearing comfort. A low frequency driver and a mid/high frequency driver are controlled selectively — it's impossible to have more sound in such a small space!

#### MATERIAL

shell: acrylic or thermo-flex faceplate: acrylic materials and colors > page 84/85

#### CABLE

Estron Linum G2 BaX T2

#### CONNECTOR SYSTEM

T2 plug connection

#### **HEAROS BOOM II**

the all-rounder

#### TECHNOLOGY

2-way system with 2 drivers



- 1x Balanced Armature bass driver
- 1x Balanced Armature midrange and treble driver





"MY HEAROS ARE ALWAYS WITH ME DURING WORKOUT. I HEAR NOTHING BUT THE PERFECT BEAT AND MY OWN PULSE."

> **Emilia Hays** triathlete

**-**∕∧ FREQUENCY

20 Hz - 16,5 kHz

**)) (( SENSITIVITY**116 dB / 1 mW

ı**∉**...

MAX. OUTPUT

125 dB / 1 kHz

Ω

**1 M P E D A N C E** 12,5 Ohm SOUND ATTENUATION

)))|

up to 25 dB

Œ□► CONNECTOR

3,5 mm jack

- **1** faceplate
- 2 shell
- 3 T2 socket
- 4 earwax guard
- **5** RFID chip
- 6 sound tube
- **7** acoustic damper
- **8** crossover
- **9** BA bass driver
- 10 BA midrange and treble driver



# IN-EARS

# WITH THESE HEAROS YOU ALWAYS HAVE YOUR STUDIO QUALITY SOUND WITH YOU!



# HEAROS



#### gigs & clubs

With HEAROS you rock even the smallest stage! Where AMPs and monitor speakers have no room anymore, you have your monitoring always in the ear and always hear yourself in absolute studio quality.



#### rehearsal rooms

For the feeling you need a lot of boom! In a cramped rehearsal room, that often just means noise. With HEAROS, you have full sound directly in your ears at a lower volume - for rehearsal sessions that last all night.



Changing stage conditions and quick change-overs are easier than ever with HEAROS In Ear Monitoring! This leaves more time to prepare and concentrate on the performance.



#### halls & arenas

With HEAROS in your ears, you always deliver a brilliant performance, no matter if you are standing in front of an AMP, starting a solo towards the audience or in the middle of wild stage acting.



#### **NICE TO KNOW**

#### HEAR YOURSELF

The volume battle has come to an end. HEAROS insulate high stage volume and poor room acoustics. Only then can you concentrate on what you really want to hear. With HEAROS In Ear Monitoring, timing is more precise, focus is clearer, and performance is even better.



Made to measure - for hours of performance. HEAROS guarantee consistent sound at every movement and no loss of low frequencies. The built-in BA drivers provide impulse-transparent, balanced and perfectly tuned sound. You can hear every nuance of the music clearly, powerfully and precisely.

#### $\mathbf{Q} \times \mathbf{WELL}$ PROTECTED

**Pure sound even at minimum volume.** Custom-made HEAROS block ambient noise by up to 30 dB. This can significantly reduce the volume in the ear and protect the hearing. If the background noise is loud, the ears can be

played at "room volume". Even after long sessions in the rehearsal room, you no longer have the feeling of being flattened by the noise.

#### → FREEDOM PURE

**Detached sound for more independence.** Stage monitors create a point on stage where the mix fits well - the so-called sweet spot. If you leave this point, the sound is also gone. With HEAROS in your ear, you always have the sound with you, gain more space on stage and reduce the feedback susceptibility of the microphones.

#### 「程ROBUST

**HEAROS can also take a beating.** Made of high-quality materials, HEAROS are well equipped for the toughest everyday life of a musician: The housing is shockproof and protects the built-in technology inside. The cable including the connector system is resistant to corrosion, sweat and UV light.

# HEAROS PRO II





#### SCOPE OF DELIVERY

HEAROS PRO II
SuperBaX T2 cable
soft case with carabiner
microfibre bag
cleaning tool

#### 2-WAY SYSTEM WITH 2 DRIVERS

The HEAROS PRO II has two drivers with a 2-way control: One driver for powerful pressure in the low frequency range and one driver for the midrange and high frequency range provide unique sound power.

#### MATERIAL

shell: acrylic or thermo-flex faceplate: acrylic materials and colors > page 84/85

#### CABLE

Estron Linum G2 SuperBaX T2 + Earhook

#### CONNECTOR SYSTEM

T2 plug connection

#### **HEAROS PRO II**

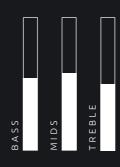
the powerful one

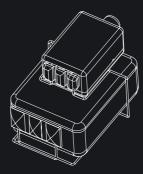
#### TECHNOLOGY

2-way system with 2 drivers



- 1x Balanced Armature bass driver
- 1x Balanced Armature midrange and treble driver





"UNBEATABLE DESIGN COMBINED WITH CLEAR SOUND AND PERFECT FIT - JUST WHAT I NEED AS A SINGER-SONGWRITER."

Ben Blascovic
actor & musician

**-**∕∧ FREQUENCY

20 Hz - 18 kHz

»)(( SENSITIVITY

123 dB / 1 mW

ı**₫**...

**MAX. OUTPUT** 132 dB / 1 kHz

Ω

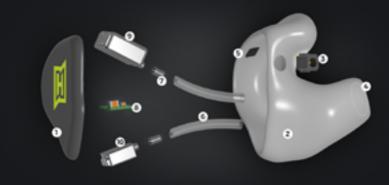
IMPEDANCE 24 Ohm »| SOUND ATTENUATION

up to 30 dB

Œ□Þ CONNECTOR

3,5 mm jack

- **1** faceplate
- 2 shell
- 3 T2 socket
- 4 earwax guard
- **5** RFID chip
- **6** sound tube
- **7** acoustic damper
- **8** crossover
- **9** BA bass driver
- 10 BA midrange and treble driver



# **HEAROS** PRO III





#### SCOPE OF DELIVERY

HEAROS PRO III SuperBaX T2 cable soft case with carabiner microfibre bag cleaning tool

#### 3-WAY SYSTEM WITH 3 DRIVERS

With its classic 3-way technology, the HEAROS PRO III is the perfect companion for the stage and the sophisticated music listener. The drivers for bass, midrange and treble are each individually controlled and thus allow a unique sound experience – crystal clear and incredibly harmonious.

#### MATERIAL

shell: acrylic or thermo-flex faceplate: acrylic materials and colors > page 84/85

#### CABLE

Estron Linum G2 SuperBaX T2 + Earhook

#### CONNECTOR SYSTEM

T2 plug connection

#### **HEAROS PRO III**

the mighty one

#### TECHNOLOY

#### 3-way system with 3 drivers



1x Balanced Armature bass driver 1x Balanced Armature midrange

1x Balanced Armature treble driver





"WHEN STAGE ACTING, MY HEAROS FIT LIKE A GLOVE AND EVEN WITH A VERY LOW TUNING, ALL INSTRUMENTS ARE DEFINED AT THE EAR."

> Stefan Haider bassist at Broach

-∕∧ FREQUENCY

20 Hz - 20 kHz

)) ((( SENSITIVITY **I** ...

MAX. OUTPUT

113 dB / 1 mW 131 dB / 1 kHz

Ω IMPEDANCE

24 Ohm

)))| SOUND ATTENUATION

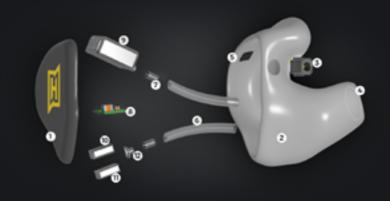
up to dB

₽ CONNECTOR

3,5 mm jack

- 1 faceplate
- 2 shell
- 3 T2 socket
- 4 earwax guard
- **5** RFID chip
- 6 sound tube
- **7** acoustic damper

- **8** crossover 9 BA bass driver
- **10** BA midrange driver
- 11 BA treble driver
- 12 connector







#### SCOPE OF DELIVERY

HEAROS PRO IV
SuperBaX T2 cable
soft case with carabiner
microfibre bag
cleaning tool

98

#### 3-WAY SYSTEM WITH 4 DRIVERS

Balanced and harmonious, loud and screaming, restrained and deliberate, shrill and freaky – the PRO IV can play any style and significantly enhances the musical experience with its richness of detail. The high-end 3-way technology with 4 drivers per ear causes tension in between. Downright electrifying!

#### MATERIAL

shell: acrylic or thermo-flex faceplate: acrylic materials and colors > page 84/85

#### CABLE

Estron Linum G2 SuperBaX T2 + Earhook

#### CONNECTOR SYSTEM

T2 plug connection

#### **HEAROS PRO IV**

The sublime

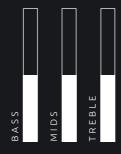
#### TECHNOLOGY

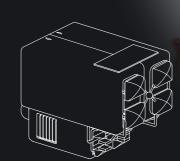
3-way system with 4 drivers



2x Balanced Armature bass driver
1x Balanced Armature midrange

1x Balanced Armature treble driver





"SWITCHING TO HEAROS PRO IV IN-EARS WAS DEFINITELY ONE OF THE BEST UPGRADES IN MY LIVE SETUP."

Pekka Niemi, ONEVIOLIN violinist from Finland

**-**∕∧ FREQUENCY

20 Hz - 20 kHz

»)(( SENSITIVITY

116 dB / 1 mW

I¶··· MAX. OUTPUT

125 dB / 1 kHz

⊕

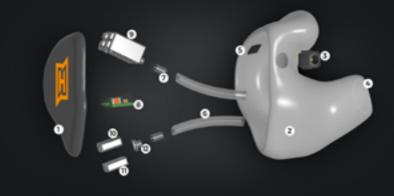
 $\Omega$ 

**9 E D A N C E** 35 Ohm »|
SOUND ATTENUATION
up to 30 dB

CONNECTOR

3,5 mm jack

- **1** faceplate
- **2** shell
- **3** T2 socket
- **4** earwax guard
- **5** RFID chip
- **6** sound tube
- **7** acoustic damper
- **8** crossover
- **9** BA bass driver
- 10 BA midrange driver
- 11 BA treble driver
- 12 connector



### **HEAROS TEST SET**

SKU: 8539

#### **SOUND- & COLORCHECK**

IN THE PRACTICAL PELI-CASE

To make consultation as easy as possible, we have put together the HEAROS test set in the high-quality, black PELI™ Protector Case. It allows for safe, orderly storage and a clear presentation of all HEAROS In Ear models.

#### CONTENTS

// test earphones BANG I, BOOM II, PRO II, PRO III, PRO IV

// special ear tips made of foam and silicone

// color rings with all colors for faceplate and shell

// color disc with all logo colors

// HEAROS magazine (5 pieces)

// HEAROS sticker







and become a partner!



hello@hearos.de

hearos.de | facebook | instagram | youtube

#### MATERIALS

The basis of quality.

# rigid

#### Acrylic 3D

Crystal clear, resistant and durable.

This highly transparent material is molded energy-efficiently in direct 3D printing and features high stability and excellent UV resistance. Earmolds made of light-curing acrylate exhibit high elongation at break (especially in the non-lacquered state) and do not become brittle. The high-gloss surface sealing creates a brilliant, optically high-quality "glass" earmold. In addition, this coating increases scratch resistance and provides the earmold with excellent protection against effects such as light, perspiration, dirt and earwax. Rigid earmolds are therefore not only of the highest aesthetic quality, but also robust, easy to care for and simple to clean. Available in three colors.

#### CLASSIFICATION

Material and lacquer are classified as **class IIa** medical devices according to directive 93/42/EEC.

#### ORDERABLE FOR

- ✓ CUSTOMFIT hearing protection work *starr*
- ✓ nature® | nature® basic\* | nature® plus
- ✓ foil | comfort | comfort basic\*
- ✓ special shapes

\*A basic earmold is also made of rigid acrylate – with the difference that the time-consuming lacquering is dispensed with at the end.



STABILITY

DURABILITY

ELASTICITY

LONG-TERM WEARING

SKIN-FRIENDLINESS

• • • • •

COMFORT



## thermo-flex

#### Polyurethane (PU)

Supple, robust and very skin-friendly.

This premium material is rigid at room temperature and becomes soft and flexible when worn in the ear. Since the material fits perfectly to the auditory canal in this way, a natural wearing sensation is guaranteed and pressure pain, e.g. during jaw movements, is a thing of the past. Thanks to these permanently elastic, flexible properties, earmolds made of polyurethane are characterized by very high long-term wearing comfort. Resistance to UV light (no discoloration) and high tear resistance make it an extremely robust material with a long service life. Our thermo-flexible PU is bio-compatible and contains no monomers. Therefore, it is not only skin-friendly, but also suitable for sensitive ears and in case of allergies. Available in two colors.



STABILITY



DURABILITY
••••



ELASTICITY
••••



LONG-TERM WEARING COMFORT



SKIN-FRIENDLINESS

#### HARDNESS GRADE

**60** Shore A (final hardness)

#### CLASSIFICATION

The material is classified as **class IIa** medical devices according to directive 93/42/EEC

#### ORDERABLE FOR

- ✓ nature® | nature® plus
- ✓ foil | comfort
- ✓ special shapes





## soft

#### Silicone

Flexible, soft and highly robust.

Thanks to state-of-the-art crosslinking methods, even thin-walled earmolds can be easily processed from our silicone material. The molecular structure of the silicone guarantees high tear resistance and best dimensional stability. The high resistance to chemicals and environmental influences such as UV light, dirt, sweat or creams make all silicone earmolds robust and easy to clean. The easy cleaning is supported by a water- and dirt-repellent surface, which results from the reduced surface tension. Our soft silicone is biocompatible and contains no low-molecular plasticizers. Therefore, it is not only skin-friendly, but also suitable for very sensitive ears. Thanks to the elastic, soft-flexible properties, earmolds made of silicone are characterized by high long-term wearing comfort. Available in two hardness grades and ten colors.

#### HARDNESS GRADE

**40** Shore A | **60** Shore A\*

\*only available in the colors transparent + pink-transparent

#### CLASSIFICATION

Material and lacquer are classified as **class IIa** medical devices according to directive 93/42/EEC.

#### ORDERABLE FOR

- ✓ CUSTOMFIT hearing and noise protection
- ✓ foil | comfort
- ✓ special shapes



Glows in the dark!



















TEAR RESISTANCE

LONG-TERM WEARING

SKIN-FRIENDLINESS

DURABILITY

ELASTICITY

COMFORT







# splash

#### Silicone

Floatable and elastic.

Our material splash is floatable, very soft and elastic. We use this special silicone with very low density in our CUSTOMFIT water protection bachmaier® splash. Available in eight colors.

HARDNESS GRADE

**35** Shore A

#### ORDERABLE FOR

- ✓ CUSTOMFIT bachmaier® splash
- ✓ special shapes



TEAR RESISTANCE



DURABILITY



ELASTICITY



LONG-TERM WEARING COMFORT





SKIN-FRIENDLINESS

















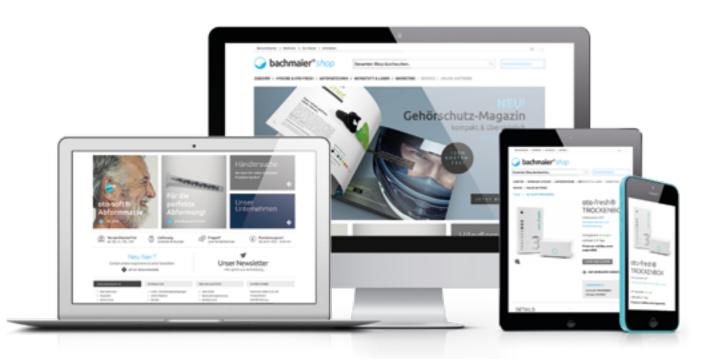






# More than just an online shop.

Since, in addition to a qualitative product range, the services of an earmold manufacturer are also a priority for us, our online shop has developed from a pure accessories store into a multifunctional ordering and service tool.



In addition to the complete accessories, you can now order earmolds, hearing protection and In-Ears in our online store. Our extensive range of advertising materials such as posters, flyers and magazines simplifies your communication with your customers. As soon as you log in, you will see real prices – of course including all agreed special conditions. Every order you place before 2:00 pm (Monday - Friday) is guaranteed to be shipped the same day by UPS and will arrive within 48 hours. No matter if you pay via invoice, Paypal or prepayment - a monthly collective invoice is possible at any time by arrangement. The mobile store view also allows you to order conveniently from your smartphone. One of the most modern online stores in our industry links your specialty store directly with our mail order business!



#### bachmaier® Online-Shop All benefits at a glance.



UPS AS PREMIUM SHIPPING SERVICE PROVIDER



DELIVERY WITHIN 48 HOURS



REAL PRICES (incl. agreed special conditions)



Payment via INVOICE, PAYPAL OR PREPAYMENT



SAME DAY SHIPPING



COLLECTIVE INVOICE POSSIBLE



FREE SHIPPING from 250,- €/CHF



RESPONSIVE SHOP DESIGN (for tablet and smartphone)

You would like to receive advice or have auestions about our products? Simply write to us at office@bachmaier.de or call us at +49 8657 98355-0.

#### **Equipment** Overview

In addition to our oto-soft® impression material and our oto-fresh® cleaning series, we carry numerous accessory products for everyday acoustician needs.

#### ACCESSORIES



SOUND TUBES



EARWAX GUARDS



UNIFIT HEARING PROTECTION



OTOSCOPES & EAR LIGHTS



INSERT PARTS



HEARING PROTECTION FILTER



 $\mathsf{C}\,\mathsf{O}\,\mathsf{R}\,\mathsf{D}\,\mathsf{S}$ 



SERVICE & REPAIR

#### WORKSHOP & LABORATORY



TOOLS



EQUIPMENT



PLASTICS TECHNOLOGY



CUTTER



SCANNER

All articles, prices and info you can find here ... www.shop.bachmaier.de



SAFTEY AT WORK



GRIND & POLISH



BURS



### oto·fresh<sup>o</sup>



These products clean and reliably removes dirt and earwax.

CLEANSING **TABS** (SKU: 6131) with active oxygen

The highly effective formula of the oto-fresh® cleansing tabs effortlessly removes all earwax residues without stressing the material of the earpiece.

// color: white // content: 20 pcs.

CLEANSING **SPRAY** (SKU: 6186) in the practical 30 ml spray bottle

The oto-fresh® cleansing spray is used for easy and quick cleaning of earpieces. Spray on - wipe off - done!

// size: 10 x 3 cm // content: 30 ml

CLEANSING **TISSUES** (SKU: 6137, 6136, 6140) in three packaging sizes

The moist oto-fresh® cleansing tissues clean gently and remove dirt and earwax reliably and quickly. The tissues care for the product and thus ensure a longer service life.

// cleansing tissues in large dispenser (100 pcs.)

// cleansing tissues in small dispenser (30 pcs.)

// individually packed cleansing tissues (15 pcs.)



#### oto · fresh TOOLS



These small tools make cleaning easier and ensure more hygiene in the twinkling of an eye.

**CUP** (SKU: 6130) with 2 in 1 function

The oto-fresh® cup with sieve and screw cap can be used both for cleansing and drying earpieces.

TUBE CLEANER (SKU: 6132) in practical dispenser box

The oto-fresh® tube cleaner has been specially developed for cleansing and drying slimtube systems. Thread in - pull through - done!

// color: white // content: 100 pcs. CERUMEN **BRUSH** (SKU: 4369) with 3 in 1 function

The oto-fresh® cerumen brush has a loop for removing earwax, a brush for cleaning the earmold and a magnet for changing the battery.

CERUMEN **PIN** (SKU: 4306) for cleansing and filter replacement

The oto-fresh® cerumen pin removes earwax from the earpiece's ear canal and facilitates filter replacement for hearing protection products.

CERUMEN LOOP (SKU: 4103) with 2 in 1 function

The oto-fresh® cerumen loop with metal loop is used for cleaning earmolds and as an adhesive loop.

VENT **CLEANER** (SKU: 6184) wirh 0.7 mm diameter

The oto-fresh® vent cleaner removes earwax and blockages in the vent of earmolds and ITE devices.



### oto·fresh<sup>o</sup>



These products remove humidity quickly and gently before damage can occur the electronics.

DRYING **BOX** (SKU: 6127) with 360° UV-C light

The oto-fresh® drying box dries and disinfects BTE, ITE hearing systems and In-Ear headphones reliably and gently. Cleansing is done by a combination of dehumidification by warm air (patented pulsed air process, temperature 45° C) and disinfection with UV-C light. The UV-C lamp with short wavelength ensures with its ring-shaped arrangement in 360° that the entire surface of the product is reached. Plug in - switch on -done!

// fast drying (30 min) // low power consumption // compact design (93 x 48 x 76 mm outside) // 3 years warranty A I R **B A L L** (SKU: 6133) with robust metal tip

The oto-fresh® airball reliably removes liquid residues from the sound tube and the earpiece and ensures interference-free transmission.

// color: grey // size: 93 x 42 mm

DRYING CAPSULES (SKU: 6129)

with integrated color indicator

The oto-fresh® drying capsules with silica gel dry hearing aids and earpieces overnight and prevent damage due to penetrated moisture, sweat and condensation. The integrated color indicator reliably shows whether the capsules can still absorb moisture.

// color: orange // content: 4 pcs.



### oto-fresh<sup>o</sup>





This frankincense tree is native to only a few regions of the world. The most important cultivation areas are India, Somalia, Oman and Yemen. To extract the precious frankincense resin, the trunk of the frankincense tree is cut. The resin that emerges hardens in the air. Frankincense contains a *highly interesting and extremely* so-called "boswelic acid". This reduces inflammation in a targeted and lasting manner. Skin irritations and redness are soothed and calmed.

The cream nurtures and protects the sensitive skin in the ear area and simplifies the insertion of all earmoulds.

**CREME** (SKU: 6075) with frankincense

The oto-fresh® cream with valuable extracts of Boswellia Serrata protects stressed, dry and irritated skin. The soothing cream was developed especially for the sensitive skin in the ear area. It simplifies the insertion and removal of earmolds and reliably ensures better tolerance. The mild formula prevents skin irritation, restores balance to irritated skin and makes it soft and supple. The cream is easy to spread, absorbs quickly and leaves the skin feeling pleasant and naturally fresh scent.

// color: milky // content: 5 ml



#### oto·fresh<sup>o</sup> SETS

50%

Your personal discount code\*:

OTOFRESH-SET

Enter this code at **shop.bachmaier.de**in the designated field in the shopping car
\*Code redeemable once for one set



**SET** REINIGUNG

SET CLEANSING

In the elegant and at the same time durable carrying bag, all products can be neatly stored thanks to clever compartments – perfect for on the go!

HDO, passiver Gehörschutz & Lärmschutz BTE, passive hearing protection & noise protection 2 4

For cleaning RIC systems, In-Ears & active hearing protection:

#### SET CLEANSING

+ DRYING

(SKU: 6142)

CLEANSING SPRAY
CLEANSING TISSUES x 5
CERUMEN BRUSH
VENT CLEANER
DRYING CAPSULES x 2
CUP
CREAM



For cleaning BTE earmolds, passive hearing protection & noise protection:

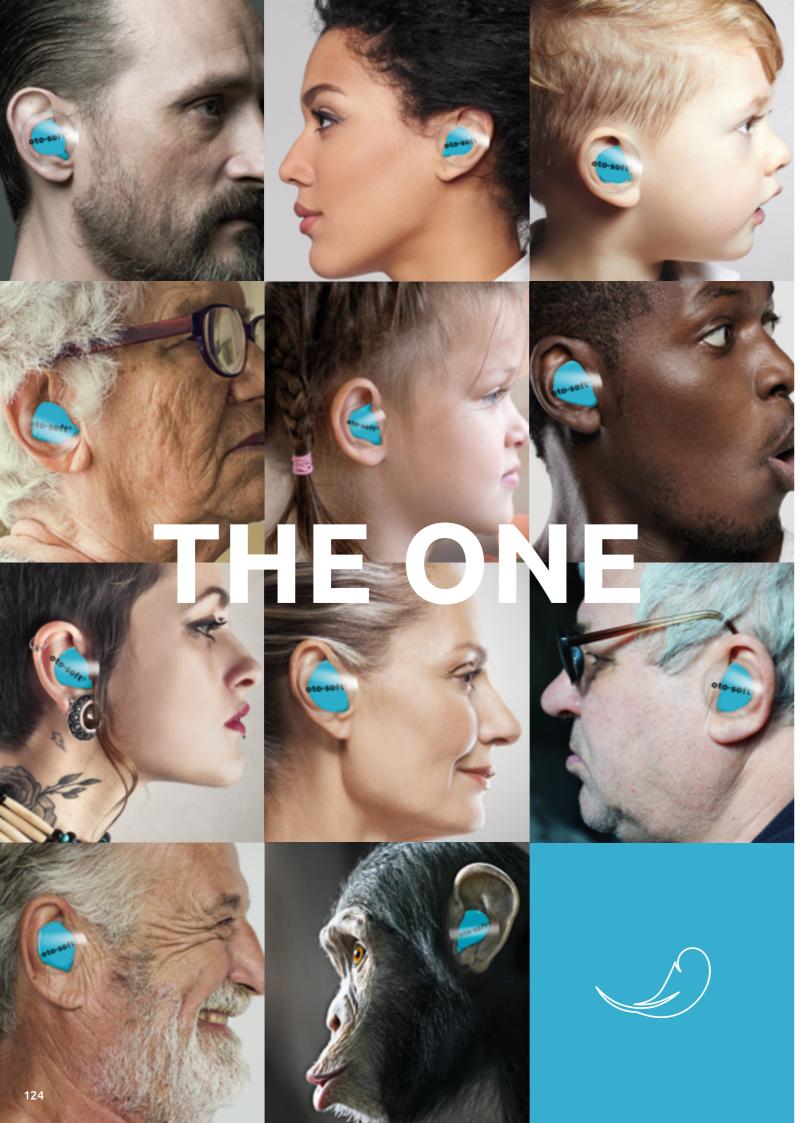
oto-fresh®

SET CLEANSING

(SKU 6141)

CLEANSING SPRAY
CLEANSING TISSUESR x 3
CLEANSING TABS X 4
CERUMEN PIN
VENT CLEANER
AIRBALL
CUP
CREAM





### oto-soft® IMPRESSION MATERIAL



The one impression material for every ear and every application: Lightning fast, highly precise and absolutely true to shape.

#### IMPRESSION COMPOUND (SKU: 2100)

The range of different impression materials for individual applications is becoming increasingly complex and complicated. We want to counteract this and have developed ONE compound that fits every ear and every application: Our oto-soft® impression material impresses with its creamy consistency, fast setting time and absolute shape retention.

With this material, you get a highly accurate image of the ear and the ear canal, laying the foundation for a perfect earmold!

// The **creamy consistency**, perfect flow properties and high stability guarantee easiest processing and effortless removal.

// The **extremely short setting time** of 2.5 - 3 minutes (at body temperature) saves time and nerves. The ideal final hardness is 35 Shore A.

// Thanks to **absolute shape fidelity** and razor-sharp contours, you get a highly precise image of the ear and ear canal.

25%
TRIAL DISCOUNT

Your personal discount code\*:

KLASSEMASSE

Enter this code at shop.bachmaier.de
in the designated field in the shopping cart.
\*Code redeemable once for one pack.

With our oto-soft® impression material, you obtain a highly precise image of the ear and the ear canal, thus laying the foundation for a perfect earmold.

# CRÈME DELA CPÈME

The oto-soft® mixing canulas transform 2-component materials in an optimal mixing ratio into a homogeneous cream with perfect flow properties – for easiest processing.

The extremely short setting time of oto soft® impression compund of 2.5 - 3 minutes saves time and nerves.





With the help of oto-soft® impression pad and cover foil, a clean and professional impression of the ear and ear canal is obtained.

### oto-soft<sup>®</sup> IMPRESSION TECHNIQUE











oto-soft® accessories for the perfect impression:

#### MIXING CANULAS

To be attached to the double cartridge for an optimal mixing ratio of the 2-component material. Available in the following sizes:

**S** (SKU: 2125) **M** (SKU: 2120) **L** (SKU: 2128)

#### IMPRESSION PADS

Available in different sizes, shapes and materials.

duo (SKU: 2165) cotton wool (SKU: 2056, 2057, 2058) cylindrical (SKU: 2029)

conical (SKU: 2000)

....

#### COVER SHEETING (SKU: 2082)

For covering the freshly moulded ear canal.

#### SERVICE

Good advice and a sympathetic ear go hand in hand with simple, straightforward processes.

# Our Service, your satisfaction.

To make all processes before and after the order as simple as possible, we are increasingly handling them digitally. This does not mean that the connection with our customers ends here. No matter what your concern - write to us at office@bachmaier.de or give us a call. You can reach us Monday through Friday from 8:30 a.m. to 4:30 p.m. at +49 8657 983 55-0.

#### Online orders & functions

Quick and uncomplicated.

At www.bachmaier.de and in our online shop you will find all online order forms for our custom-made products. This allows you to quickly and easily order earmolds, hearing protection and In-Ears. In addition, you can fill out all important services such as complaints or documentation of hearing protection testing online – saving you time and nerves. Try it out and enjoy the benefits:

- // One account for all orders at bachmaier®
   no matter if you request equipment or
  a custom-made product.
- // All your data such as address etc. are available pre-filled.
- // You can select from your stored delivery addresses via DropDown.





#### bachmaier® online portal All functions at a glance.



www.bachmaier.de





ORDER EARMOLDS ONLINE



DAILY UPDATED PRODUCTION TIMES



ORDER HEARING PROTECTION ONLINE



DOCUMENT HEARING PROTECTION CHECK



ORDER IN-EARS ONLINE



SUBMIT COMPLAINTS ONLINE

#### Ordering channels

## Still analog or already digital? You have the choice.

Depending on whether you want to send us the data digitally (via scan) or analog (via impression), there are different ways to order custom-made products from us.

SCAN



#### online order + scan

Complete the online order form at www.bachmaier.de and attach the scan as an STL file.



#### digital order form + scan

Send a completed order form (PDF) including scan data in STL format by e-mail to: order@bachmaier.de

MPRESSION



#### analog order form + impression

Send the printed order form (from the order block) and the impressions by mail to our postal address or to our Swiss P.O. Box.

SCAN % IMPRESSION



#### own ordering software + scan / impression

Request our product catalog as a spreadsheet via office@bachmaier.de.

Send the scans as STL file by e-mail to order@bachmaier.de or
the impressions by mail to our postal address or to our Swiss P.O. Box.

#### Everything that is important.

#### Info around your order.

#### CONSULTATION

**phone** // We are available for you from Mon - Fri from 8:30 a.m. to 4:30 p.m.! You can reach us under the telephone number +49 (0)8657 983 550. We look forward to hearing from you.

e-mail // Write to us at: office@bachmaier.de

**internet** // Discover our complete product portfolio, our philosophy and the team behind the name bachmaier® at: www.bachmaier.de

#### PRODUCTION TIMES

At www.bachmaier.de you will find our daily updated production times for all product areas. The figures show the *maximum* time required and are updated daily.

#### SCAN FILES

Please send us all scan files in STL format with the default setting of normal smoothing. We can process the data from the following devices: *smart optics, 3Shape, Otoscan direct ear scanner, Sivantos iScan (both generations).* 

If you have any problems or questions, we will be happy to help you. Note on our own behalf: The complete product range of smart optics scanners can be found in our online store.

#### COMPLAINTS

A complaint or rework of custom-made products can be requested via our **complaint form** at www.bachmaier. de/service. Use the digital photo upload – returning the earmold is no longer necessary. Important: In case of a second complaint, it is mandatory that we receive new impressions.

#### CERTIFICATION / QUALITY

bachmaier® has its own proprietary products and exclusive licenses. To ensure that our high-quality products meet all your requirements, we are, of course, certified according to the international standard DIN EN ISO 9001/12.2000 and DIN EN ISO 13485 and work in accordance with the guidelines of the Medical Devices Act. The products of the bachmaier® CUSTOMFIT hearing protection series are certified according to EN 352-2 and can therefore also be worn at the workplace according to the PPE regulation.

#### DELIVERY

#### delivery time

The delivery time within Germany is usually 24 - 48 hours. We can even serve our partners in Switzerland and Austria within 24 hours due to a special contract arrangement with our shipping service provider.

#### express service / 24h-processing

If the option express service is chosen, ordered custommade products will be manufactured and shipped within 24 hours after the order has been completed for an additional charge of 10,50 €.

#### mode of delivery

Shipping and delivery of the goods will be made Mon - Fri with UPS.

#### shipping costs custom made

The shipping costs for all custom-made products are 4,95 € within Germany and 6,95 € within the EU. Shipping costs to Switzerland are 15,50 CHF (customs clearance already included).

#### shipping costs equipment

For online orders from the equipment area, shipping is free from a value of goods of 250,- €/CHF. The regular shipping costs are 6,95 € within Germany and 7,95 € within the EU. The shipping costs to Switzerland are 15,50 CHF (customs clearance already included).

#### PAYMENT

You will receive a monthly invoice from bachmaier® payable within 14 days. For orders in the hearing protection or equipment area over 2.000,- € we reserve the right of delivery against prepayment. In case of direct debit we grant a 2% discount (except for Swiss CHF invoices).

#### WARRANTY

We grant the following warranties: On custom-made earmolds 3 months, on noise and hearing protection earmolds 12 months, on HEAROS 3 years warranty. Excluded are improper handling. In case of exceeded periods, please contact our customer support. For our retail products the normal legal warranty conditions apply. For our own brands oto-fresh®, oto-soft® and bachmaier® we grant you a 3 years warranty.

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# Stay connected.







#### www.bachmaier.de

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We are excited about every post! :

You want to subscribe to the bachmaier® newsletter Just send a short email to: office@bachmaier.de



Das Leben hören.



#### bachmaier GmbH

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office@bachmaier.de +49 8657 983 55 - 0

hachmaier de