

HÖRLUCHS® 

MADE IN GERMANY



**HEAR**

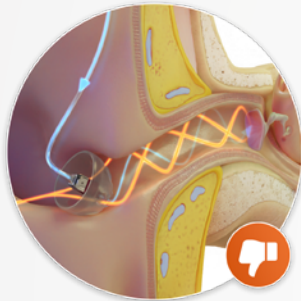
Hearing system earmoulds

# EARMOULDS INSTEAD OF DOMES

## The comparison

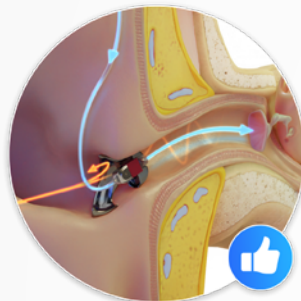
The task of an earmould can be compared to the tyres of a car: If a car has wooden wheels, it cannot put the horsepower on the road. When taking a curve, the car can barely stay on the road - driving safety systems such as ABS cannot be used.

The performance of a hearing system with a dome can be similarly limited:



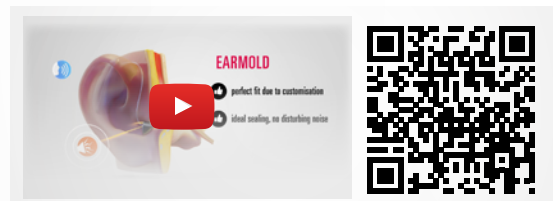
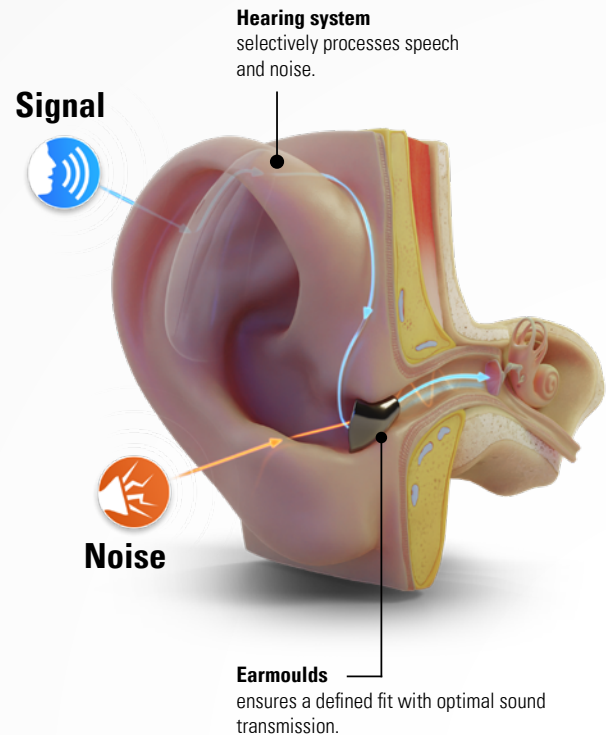
### With dome

The noise penetrates unhindered and overlays the speech signal. The undefined fit severely impairs the signal output. The hearing system cannot provide its full performance.



### With earmould

The earmould attenuates incoming noise. The hearing system can optimally transmit speech and useful information. In this way, the best can be obtained from the hearing system!



„Each patient’s hearing profile is as unique as a fingerprint. Through my many years of experience, I know that a high-quality earmould that is tailored to the hearing loss makes a significant contribution to the success of a hearing aid fitting. Since titanium earmoulds have been available, not only are the physical requirements fulfilled, but the wearer also benefits from the wafer-thin, hypoallergenic high-end material. It largely prevents inflammation or other irritations in the auditory canal.“

*Jürgen Palm*

### Dr. med. Jürgen Palm

Specialist in otorhinolaryngology; allergology; attending physician  
Martha-Maria Hospital Wears titanium earmoulds from Hörluchs®



# ACCESSORIES

Everything for daily needs

Hörluchs® provides the right products for the daily needs of hearing care professionals with its selection of accessories. You can order impression material, earmould accessories, milling tools and much more conveniently via the Hörluchs® online shop.

## IMPRESSION TAKING



## IMPRESSION MATERIAL



## EARMOULD ACCESSORIES



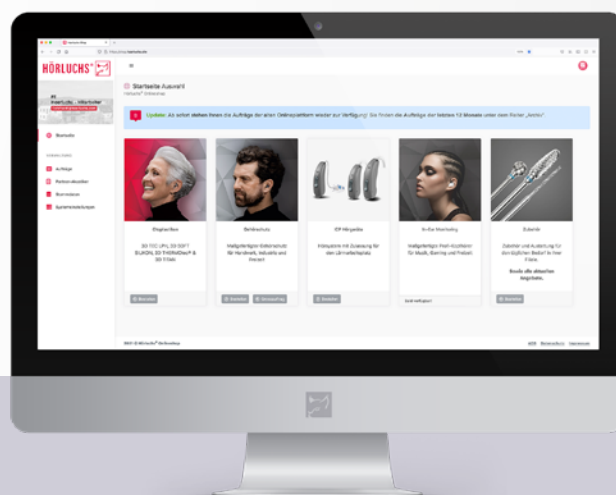
## HEARING PROTECTION ACCESSORIES



## SOUND TUBES



## MILLING TOOLS



**THE HÖRLUCHS® ONLINESHOP**  
ORDER QUICKLY AND EASILY

At Hörluchs® you can order any product online - either at **shop.hoerluchs.com** or via your company software (ASEGO, IPN, Amparex).


# THE ALL INCLUSIVE IDEA

It's that easy with Hörluchs®

Trust is the best basis for a long-term and successful partnership. That's why Hörluchs® has developed the all-inclusive idea for you: No hidden extras, no price surprises - simple and transparent pricing.

## EARMOULD PRICE CATEGORIES

The hearing system earmoulds from Hörluchs® are available in different price classes, depending on the material and connection. Within these price classes, all important extras are included and available without additional charge.

			
<b>3D TEC</b>	<b>3D THERMOtec®</b>	<b>3D TITANIUM</b>	<b>3D SOFT SILICONE</b>
TUBE CONNECTION	TUBE CONNECTION	LIFESTYLE / LIFESTYLE UNIRIC	TUBE CONNECTION
RIC / UNIRIC / SLIM TUBE	RIC	DESIGN / DESIGN UNIRIC	UNIRIC
BASIC	UNIRIC	TITAN OPEN <b>NEW</b>	

*„We attach great importance to transparent pricing. This helps you with the calculation and makes every order conceivably simple.“*

Manuel Zitzler, Head of Sales | Customer Service | Marketing

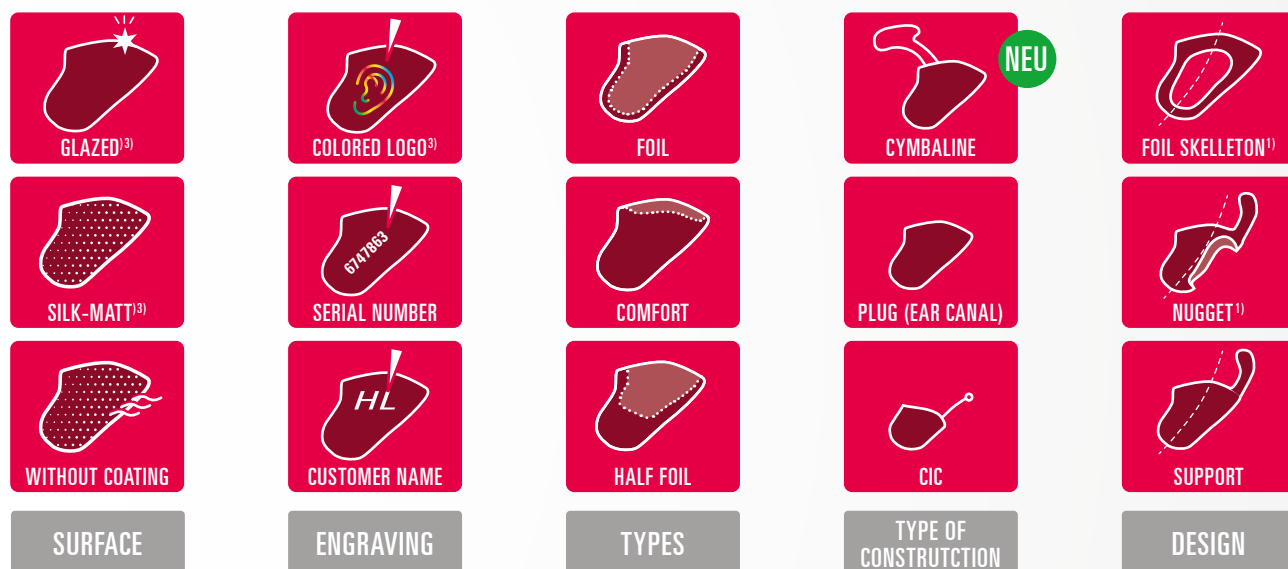


## NO SURCHARGE FOR EXTRAS

Hörluchs® helps you select the appropriate earmould to address anatomical and audiological considerations for the benefit of your clients. There are no additional costs for you.

These important **EXTRAS** are free of charge:

- 1) Technically not possible with 3D SOFT SILICONE  
 2) Technically not possible with 3D THERMOtec®  
 3) Technically not possible with 3D TITANIUM



## ALSO WITHOUT EXTRA COSTS

- ✓ 3D print
- ✓ Digitalisation of the impressions
- ✓ Archiving of impressions for 24 months
- ✓ Archiving of modelling data for 24 months
- ✓ Contour (hollowing of the auditory canal)
- ✓ Manufacturer-dependent connection for RIC & SLIM TUBE
- ✓ Universal connections
- ✓ Open supply
- ✓ Additional drilling
- ✓ Sound tube / DRY TUBE
- ✓ Power tube
- ✓ Horn tube
- ✓ Libby horn
- ✓ Type HOKA (hollow channel)



# MATERIAL & FINISHING

## Four materials for high-quality earmoulds

Hörluchs® relies on four different materials that are processed in precise 3D production. Laser and printing processes are used for this. The finishing touches are made by hand in the traditional way.

With various surfaces and finishes\*, the customer's individual requirements can be catered for.

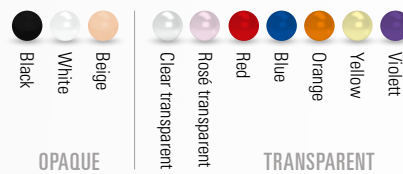
### 3D TEC



- ✓ Easy finishing
- ✓ Durable
- ✓ Easy Cleaning

A light-curing plastic developed for modern production lines. It is characterized by the fact that it can be very well reworked and easily cleaned.

**Finishing:** Earmoulds made of 3D TEC LPH are finished with „Smart Finish“ as standard. The surface is specially sealed in a process developed by Hörluchs®. Other finishes are possible.



### 3D THERMOtec®



- ✓ Moisture absorption
- ✓ Lasting comfort
- ✓ Breathable

At room temperature, the material remains hard and is easy to insert. In the ear canal, it becomes soft and flexible due to body heat.

**Finishing:** The material is manufactured and delivered unvarnished. This creates a breathable earmould with appealing cosmetics.



## THE ADVANTAGES OF 3D-PRINTING

- ✓ Efficient and fast production
- ✓ Reproducible: data storage for 24 months
- ✓ All types of constructions possible, including filigree foils
- ✓ Precise fitting and simulation of connections
- ✓ Wafer-thin processing of silicone
- ✓ Improved sound tube routing and receiver fitting



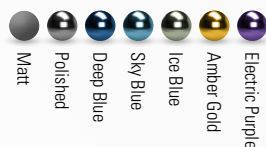
## 3D TITANIUM



- ✓ Antiallergic
- ✓ Durable
- ✓ Solid & sturdy

Titanium offers the best medical care. It is hypoallergenic and maximally skin-friendly. The material is extremely stable and, with wall thicknesses of only 0.4 mm, it is the ideal solution for small ear canals.

**Finishing:** The material feels valuable and exclusive due to the high-gloss finish and the matte or optionally polished surface. The appearance is durable and is not altered by cerumen.



## 3D SOFT SILICONE



- ✓ High sealing
- ✓ Wearing comfort
- ✓ Many colours

The product is first produced as a shell (cast). Then the silicone is inserted and cured. The shell is removed and the product is finished by hand.

**Finishing:** The earmolds are sealed with an antibacterial silicone lacquer as standard - either glossy or satin. This protects ear tissue and material alike.



60 SHORE



40 SHORE

FLOATABLE  
35 SHORE

\*Color swatches shown are for illustrative purposes and may differ from the final product.

*„We are constantly developing our products and delivering the best possible quality through our modern production. With our materials and finishes, we can respond very individually to the demands of your customers.“*

Julia Meyer, Quality management



# TITANIUM EARMOULDS

Probably the world's best earmoulds

Titanium is used in aerospace and modern medicine due to its special properties. The high stability enables a wall thickness half as thick as that of earmoulds made of TEC. This means that external receivers can also be fitted in smaller and anatomically complex auditory canals – this corresponds to approx. 25 % more compared to conventional earmoulds.

Titanium earmoulds from Hörluchs® are also an outstanding visual highlight. The material has an exclusive, high-quality feel thanks to the matt or polished surface. The appearance is durable and is not altered by cerumen.



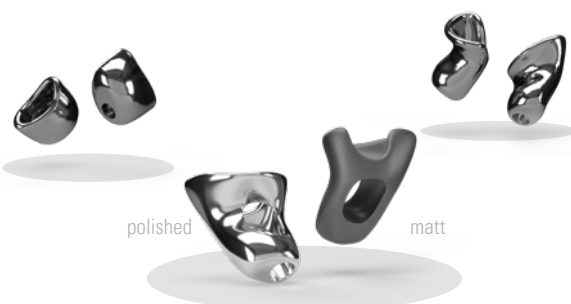
## Titanium earmoulds

Only use the best material for earmoulds!



## LIFESTYLE SERIES

CIC & ITC (in-the-canal) (RIC and normal tube)



## DESIGN SERIES

All designs with support function in the outer ear



## BEST MEDICAL CARE

- ✓ Hypoallergenic & antibacterial
- ✓ Highly hygienic
- ✓ Skin friendly & biocompatible
- ✓ Cerumen resistance
- ✓ Maximum stability and yet extremely light
- ✓ Perfect heat dissipation  
(No itching or moist ear canals)

## NEW ADVANTAGES IN FITTING

- ✓ Wall thicknesses of 0.4 mm possible
- ✓ The solution for small ear canals
- ✓ Best acoustic transparency
- ✓ Highest precision due to 3D laser technology
- ✓ No trial shells necessary
- ✓ Can be reworked without problems
- ✓ Available in different styles
- ✓ Available for Active (Pro) hearing aids





## LASER PRODUCTION

The earmoulds are manufactured in the in-house production facility using unique 3D laser technology: 100% innovative and 100% Made in Germany.



## TITANIUM OPEN

The custom dome

- ✓ For completely open and occlusion-free restorations
- ✓ Ideal for mild high frequency hearing loss
- ✓ Defined fit for optimal sound transmission
- ✓ Secure fit: low probability of hearing aid loss
- ✓ Extra small titanium earmold
- ✓ Hardly noticeable for the wearer
- ✓ Exclusively available with matte surface



## COLOURED TITANIUM AND STRASS STONES

- ✓ Wide range of customisation options
- ✓ Finishing with strass stones (also coloured)
- ✓ Visually very attractive
- ✓ Matt or polished surface
- ✓ Polished version also available in 5 stylish colours
- ✓ Coloring without coating - 100% titanium material



Note: Color deviations are possible

# VERSATILE EARMOULD OPTIONS

As individual as your customer

The large selection of versatile earmould options from Hörluchs® offers you the opportunity to respond ideally and flexibly to the needs of your clients.

You can select the different types, designs and versions directly in your order in the Hörluchs® online shop. As a unique option, Hörluchs® offers you the possibility to print your company logo in original colour on the earmould.

## TYPES

THE BASIS FOR OPTIMAL SUPPLY



### Foil design

The filigree foil design with its discreet look is ideal for visually demanding customers. Foil earmoulds require little material and thus dissipate heat excellently. This results in a very high wearing comfort.

The foil design is designed for RIC/Slim fittings and is suitable for clients with mild to moderate hearing loss.



### Comfort design

The COMFORT design is visually appealing, compact and stable. The sealing zone is machined accordingly, taking into account the supply (ventilation hole/open).

These earmoulds contain a recess for the tube outlet and can be fitted with an additional hole (venting) with an attachment for blowers up to a diameter of two millimetres. This design is suitable for people with any type of hearing loss.



### Half foil

Depending on the connection, the comfort type can flow smoothly into the foil type: the half foil. This happens, for example, in the case of an auditory canal with a strong bend and RIC connection. With a longer vent, even moderate hearing losses can be treated.

The storage pocket provides the necessary hold for the receiver in the earmould. The appearance of the half foil is visually appealing and very durable. In most cases, it is possible to install an additional filter system.

## YOUR COMPANY LOGO FOR FREE

INDIVIDUAL AND IN COLOUR

Your own logo: As a unique option, Hörluchs® offers you the possibility to print your company logo in original colour on the earmould. Even multi-coloured logos can be implemented without any problems. This option is available free of charge for every earmould except 3D Titanium.

Make the individual customer earmould your part and thereby bind the customer to your company. Hörluchs® customer service will be happy to help you set up the logo. Simply send your logo by e-mail to [info@hoerluchs.com](mailto:info@hoerluchs.com).



# TYPES OF CONSTRUCTION

THE INDIVIDUAL SOLUTION FOR EVERY EAR



Shell

Ring

Clasp

Claw

Cymbaline

Plug



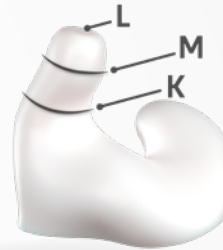
Plug  
small

Plug  
small with support

CIC

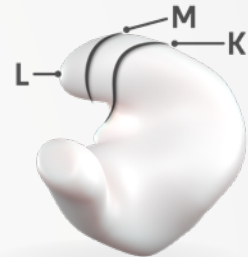
### Auditory canal length

On request, the length stored in the scan can be produced.



### Cymba length

The length of the cymbal influences the hold of the earmould in the ear.



Upon request, Hörluchs® earmoulds are manufactured with a high seal or non-tapered during ear canal processing.

You can choose between three lengths: "short", "medium" (standard) and "long".

# DESIGNS

THE OPTIONS FOR SPECIAL REQUIREMENTS



Step

Double step

Foil skeleton

Nugget

- ✓ Prevention of slipping movements due to intensive movement of the auditory canal, e.g. when speaking or chewing
- ✓ Reduction of the occlusion effect due to recesses at the mandibular joint
- ✓ Pleasant wearing comfort due to less contact surface at the auditory canal

- ✓ Optimal ventilation of the ear canal
- ✓ Barely noticeable in the ear canal
- ✓ Protective function against slipping out due to chewing movements
- ✓ Reduction of the occlusion effect
- ✓ Titanium is particularly suitable as an earmold material



Support & support long

- ✓ Especially suitable for ears with little support in the ear canal
- ✓ Good for strong jaw movements, speaking or chewing
- ✓ Often chosen in combination with a double step, as the holding function in the auditory canal is often no longer sufficient
- ✓ Easier removal and insertion



Golf earmould

- ✓ Good ventilation of the concha
- ✓ Reduced bacteria formation
- ✓ Comfortable to wear
- ✓ Less material in the ear
- ✓ Same features as shell design



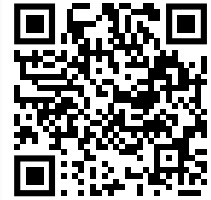
Drawstring

- ✓ For earmoulds that sit deep in the auditory canal, e.g. for the PLUG CIC design.
- ✓ Easier insertion and removal of the earmould

# UNIRIC

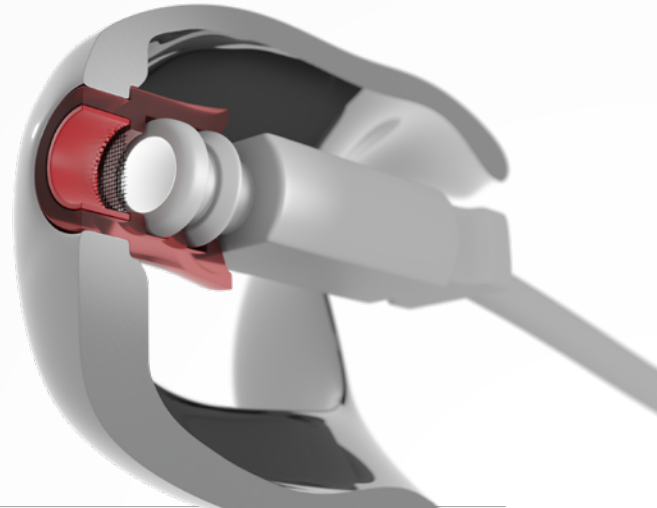
## COMPARATIVE FITTING

### Receiver connection with UNIRIC



UNIRIC is a special earmould design from Hörluchs® that can hold any S/M receiver on the market. You can test different receiver types regardless of the earmould material – this makes comparative fitting even easier. The hearing system can be exchanged as often as desired and, depending on the connection, can be equipped with an additional cerumen filter.

- ✓ Comparative fitting possible in any earmould material
- ✓ High-quality fitting right from the start – with earmoulds
- ✓ No complicated reworking of an earmould necessary
- ✓ Multifix adapter as solution for small ear canals



UNIRIC Titanium earmould with SMART SOCKET 2.0 and HF4 Cerumen filter.

## UNIRIC 3D TEC | UNIRIC 3D TITANIUM

### EARMOULDS WITH SMART SOCKET 2.0

UNIRIC earmoulds made of hard material are equipped with the new SMART SOCKET 2.0.

This way you can conveniently compare all\* receiver types

- ✓ Starkey
- ✓ Connexx 3.0 (S & M)
- ✓ Sonova 4.0 (S & M)
- ✓ Oticon / Bernafon minifit (60 & 85)
- ✓ Starkey RIC (50 & 60)
- ✓ Widex Easywear (S & M) & V.2 (M)
- ✓ GN ReSound SureFit 2 (LP & MP)
- ✓ GN ReSound SureFit 3 (LP, MP, M & RIE)

\*Connexx 2.0 is not suitable for the SMART SOCKET 2.0.



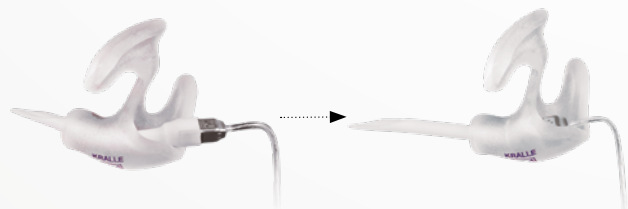
### SMART SOCKET TOOL

- ✓ Installation/Gluing of SMART SOCKET 2.0
- ✓ Conveniently place and remove various RIC receivers



### Solution for narrow ear canals:

1. Sharpen the Multifix adapter and put it over the earpiece
2. Pull the Multifix adapter with earpiece into earmould
3. Glue the Multifix adapter and cut it off



## UNIRIC 3D THERMOtec®

### RECEIVER MOUNTING WITHOUT GLUEING

External receivers can be fixed in earmoulds made of 3D THERMOtec® without gluing. The earmould is heated over the valve flute. The receiver is then inserted into the hole with a pair of tweezers. After cooling, the receiver fits firmly in the earmould.

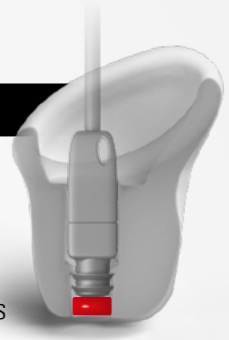
#### FOIL

- ✓ Barely noticeable
- ✓ High wearing comfort
- ✓ Perfect for narrow ear canals
- ✓ Fine fitting
- ✓ Optionally with oval skeleton:  
Better oxygen balance



#### HALF FOIL

- ✓ High sealing
- ✓ Secure hold
- ✓ Less feedback
- ✓ Optimal for Connexx 2.0 earpieces
- ✓ Optionally with cerumen filter:  
HF4, Cerustop, ProWax

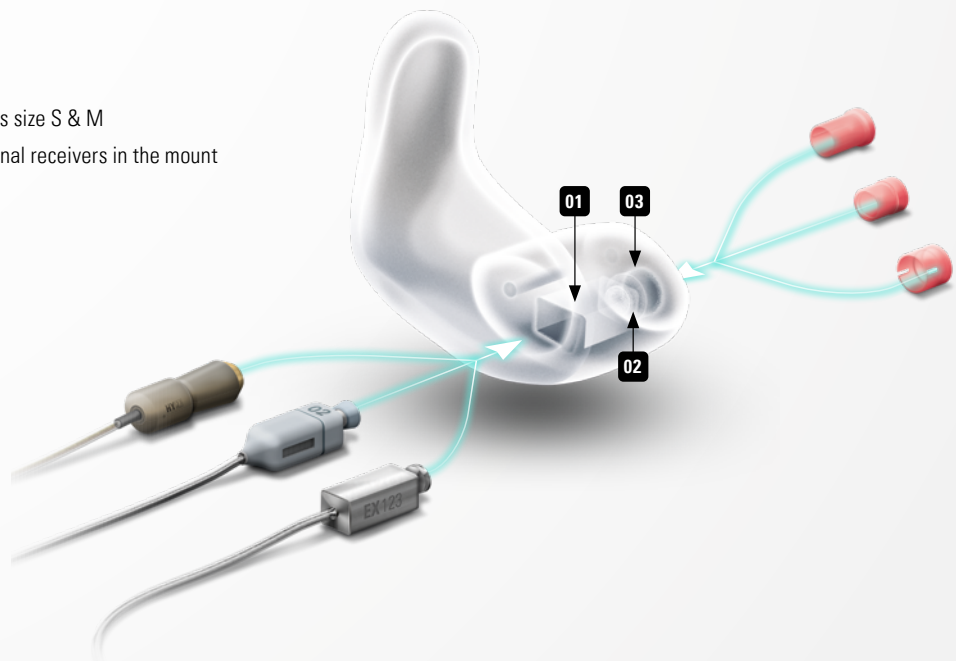


## UNIRIC 3D SOFT SILICONE

### EARMOULD WITH RIC-ADAPTER CLICK TUBES

The silicone UNIRIC-earmould makes it possible to connect receivers of all manufacturers without having to glue. It is produced in a half-foil design. With the help of the RIC adapter click sleeves, the receiver is firmly fixed in the earmould. A soft click indicates that all components are connected. The RIC adapters are available directly from Hörluchs® (not included in order).

- 01 STORAGE** for external receivers size S & M
- 02 CONSTRICTION** secures external receivers in the mount
- 03 MOUNT** for RIC Adapter



for our little  
**SUPER  
 HEROES**



For some it's a handicap, for Hörluks® it's superpowers:

Through our **earmoulds for children**, we ensure that, on the one hand, the optimal technology can be used to strengthen the child's hearing. On the other hand, children should also be able to identify with their hearing system. And the best way to do that is with a cool design, an exciting story and the possibility of turning an "I have to" into an "I want to".

All children's earmoulds are made of soft silicone to guarantee a comfortable feel and thus increase acceptance even further. Our three superhero teams, from which the kids can choose their favourite hero, are designed to help the little superheroes: Ice Knights, Cosmic Team & Power Force.

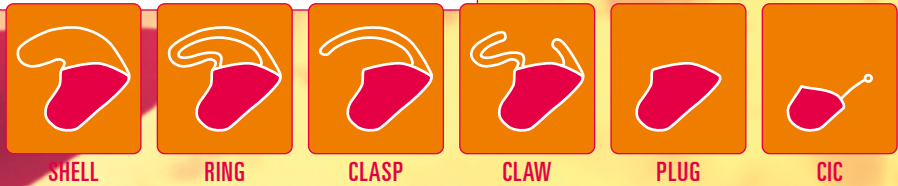
**ICE  
 KNIGHTS**

40 SHORE





The **COSMIC TEAM** is also available in these designs



The **POWER FORCE** team is available with and without glitter optics



**CONVINCING ARGUMENTS**

- ✓ Optimal care with the highest possible acceptance
- ✓ For children pleasantly soft 3D SOFT SILICONE
- ✓ Great marketing potential for a sensitive target group
- ✓ Many colour combinations
- ✓ Perfect fit due to 3D print process
- ✓ The golf earmould is also available in the **shell design**: the improved ventilation ensures less perspiration and greater wearing comfort.

Note: Slight color variations reserved.

## HEAD OFFICE & INVOICE ADDRESS

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## PRODUCTION & ORDER ENTRY

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## PRODUCTION

Würzburg · Deutschland

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