EN

Individual Otoplastics

Operation Manual

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CeoTronics AG
TESCH L

1 Description

The individual otoplastics are used to ensure optimum use of the in-ear headsets from the CT-ClipCom product family.

They ensure maximum wearer comfort and transmission quality, with each piece manufactured individually for the left and right ear. Various versions are offered for a range of personal needs. The otoplastics are pushed onto the earplug and worn within the ear.

Example: Otoplastics for CeoTronics CT-ClipCom Digital CL

Optionally, the otoplastics can also be used as passive hearing protection. In this case, the otoplastics are affixed to a dummy plug instead of an in-ear headset.

2 Use

2.1 Inserting the in-ear headset or dummy plug into the otoplastics

NOTICE

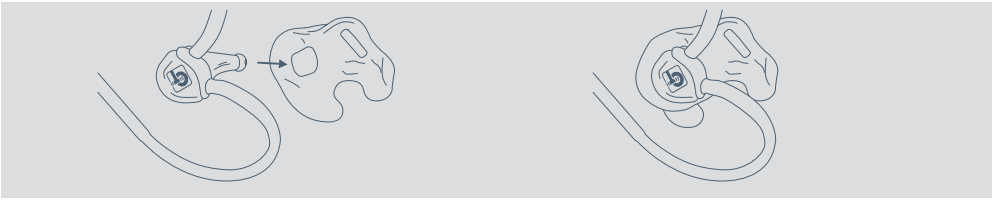
Individual otoplastics are designed for an operating temperature range of -20 to +55 °C. Insert the individual otoplastics into your ears at room temperature.

NOTICE

The in-ear headset and corresponding otoplastic for the right ear are marked with red labelling, while those for the left ear are marked with blue labelling. The dummy plug for the right ear is red, while the one for the left ear is blue.

1. Hold the otoplastic in one hand and the in-ear headset (or dummy plug) in the other hand. Ensure that the sound canal in the otoplastic and the sound canal in the in-ear headset point in the same direction.
2. Push the in-ear headset (or dummy plug) into the otoplastic in the direction of the arrow until it securely "clicks into place" in the otoplastic. The image on the right shows the in-ear headset inserted into the otoplastic.

Images of the in-ear headset with gooseneck



2.2 Removing the in-ear headset / dummy plug from the otoplastic

1. Hold the otoplastic in one hand and bend both ends of the otoplastic together until the in-ear headset (or dummy plug) "clicks out of" the otoplastic.

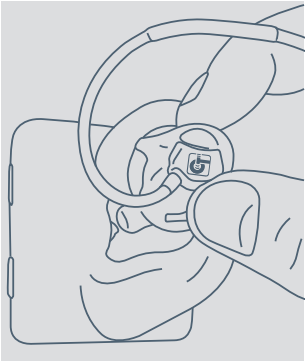
⚠ CAUTION

Never pull the in-ear headset out of the otoplastic by the cable.

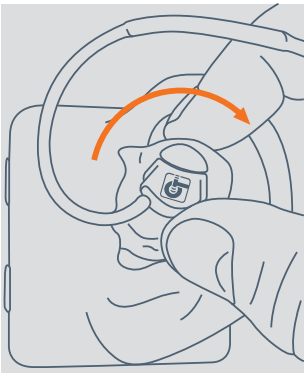
2. Then hold the in-ear headset (or dummy plug) with the other hand and pull it out of the otoplastic.

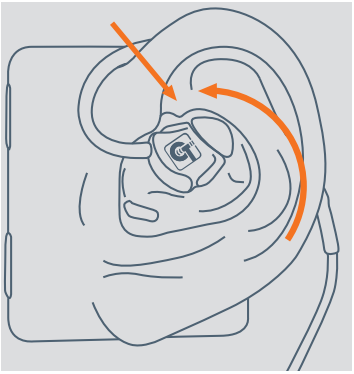
2.3 Inserting the otoplastic into the ear

Place the sound canal in the ear canal.



Twist the otoplastic slightly backward and then forward so that the upper nub of the otoplastic sits in the ear fold. Ensure that the otoplastic fits securely without causing pressure. Adjust the positioning if required.





3 Information on personal protective equipment (PPE)

This product is certified as personal protective equipment by:

PZT GmbH (Nominated Office No.: 1974)

Bismarckstrasse 264 B

26389 Wilhelmshafen/Germany

PZT GmbH also carries out annual monitoring of the quality assurance system.

The declaration of conformity can be downloaded from the following Internet address:

https://www.ceotronics.com/de/service/ce-konformitaetserklaerungen/index.html

3.1 Transport

Only use suitable packaging (e.g.: original packaging) for transporting the product. It protects the product from physical/chemical damage and contamination.

3.2 Fit testing

When the headset is used properly, the optimal insulating effect is achieved when your own voice sounds hollow and ambient noises sound quieter and muted.

The insulating effect of a individual otoplastic depends largely on the accuracy of the fit and on the individual ergonomics of the user. With individual otoplastics, it is therefore necessary to check the accuracy of the fit through an acoustic measurement (see DGUV informative publication "Funktionskontrolle bei Gehörschutz-Otoplastiken" [Functional testing of hearing protection – otoplastics], issue date: August 2018). A sound insulation fit test, documented by a test certificate, confirms that your individual otoplastics provide a sufficient level of sound insulation.

⚠ CAUTION

Risk of hearing loss
Without proof of fit testing, your product does not comply with Directive (EU) 2016/425 (PPE, Personal Protective Equipment). A waiver from the customer regarding fit testing cannot circumvent this regulation and is therefore not permitted (see DGUV informative publication "Funktionskontrolle bei Gehörschutz-Otoplastiken" [Functional testing of hearing protection – otoplastics], issue date: August 2018).

CeoTronics has developed a testing system specifically for this purpose.

Please note that this is a qualitative measurement, and the results may not correspond to the statistically determined values of subjective sound insulation from the 16 test participants in the type examination, as these are two different measuring methods.

Experience has shown that the actual individual sound insulation values are typically slightly higher than the values measured with the CeoTronics testing system. The minimum sound insulation values from EN 352-2 serve as the lower limit values.

Alternatives for individual otoplastics

In rare cases, the production of individual otoplastics does not achieve the desired result due to anatomical reasons.

If a second impression with repeated production of a individual otoplastic still does not achieve a sufficient fit, then it must be assumed that the person concerned is not suited to wearing individual otoplastics as hearing protection.

In these cases, CeoTronics recommends the use of triple flange earplugs that are certified in accordance with Directive (EU) 2016/425 (PPE, Personal Protective Equipment).

Checking the fit regularly

The user must arrange to have their individual otoplastics checked through a fit test or replace them within a period of two years. (See DGUV informative publication "Funktionskontrolle bei Gehörschutz-Otoplastiken" [Functional testing of hearing protection – otoplastics], issue date: August 2018.)

The wear of the individual otoplastics varies between individuals. Furthermore, the fit of an otoplastic may change due to alterations in the shape of the user's ear area, such as growth, illness or injury.

If the user notices any change in comfort or sound level when wearing the otoplastics, a new fit test should be carried out for safety reasons.

Please contact our customer service representatives if you would like to have your individual otoplastics checked or if you have any further questions on this matter.

3.3 Materials

Otoplastics: Silicone

Earplugs: Silicone

All materials remain visibly undamaged after cleaning according to the procedure specified in the instructions.

The parts of the hearing protectors that may come into contact with the skin are stainless, soft and flexible. The materials have no detrimental health effects for the wearer during the period of use.

This product may be damaged by certain chemical substances. Further information should be requested from the manufacturer.

3.4 Important safety instructions for the PPE

⚠ WARNING

Make sure the product is assembled, adjusted and maintained in accordance with the instructions in the operation manual.
Wear the product continuously in noisy areas. Sudden or rapid removal of the hearing protection may cause damage to the eardrum.
Do not remove the plug from the ear by pulling the connection cable.
Regularly check the product for damage. Failure to comply with the safety instructions listed above may seriously reduce the protective effect of the product.

3.5 Additional information on hearing protection

⚠ CAUTION

Risk of hearing loss
The otoplastics do not replace the required, approved earplugs for shooting.

4 Maintenance

4.1 Storage

After use, store the otoplastics in a clean and dry place at normal room temperature and humidity.

4.2 Visual inspection

Examine the otoplastics regularly for signs of breakage, tears and wear. Check the otoplastics for contamination after each use. Contamination can lead to skin irritation and malfunctions.

4.3 Cleaning

Blocked sound canals in the otoplastics will result in reduced transmission and reception quality. For routine cleaning of the otoplastics, we recommend the special cleaning kit. Observe the cleaning instructions included with the cleaning kit.
An ultrasonic bath is another option for routine cleaning. After the cleaning process, allow the otoplastics to dry unpacked.

4.4 Consumables

Designation	Unit	Item no.
Cleaning kit	Kit	On request

5 Warranty conditions

A warranty for individual otoplastics and, in particular, their insulating effect is only valid with a separately ordered fit test (item number: 0999945), see Section 2.

If a supplied otoplastic does not meet the necessary minimum requirements in accordance with EN 352-2 during the first fit test, a new replacement otoplastic will be produced free of charge using the existing impression available to CeoTronics AG. If this replacement otoplastic still does not meet the requirements, a new impression of the ear of the person concerned will be taken on-site at the expense of the customer and a second replacement otoplastic will be produced free of charge. If, even with this measure, the minimum requirements in accordance with EN 352-2 are not met, CeoTronics AG will not undertake further corrections or measures at their expense.

Explanation

In rare cases, the production of individual otoplastics does not achieve the desired result due to anatomical reasons.
If a second impression with repeated production of a individual otoplastic still does not achieve a sufficient fit, then it must be assumed that the person concerned is not suited to wearing customised otoplastics as hearing protection.
In these cases, CeoTronics recommends the use of triple flange earplugs that are certified in accordance with Directive (EU) 2016/425 (PPE, Personal Protective Equipment).

5.1 Warranty period

Following a successful fit test, which must take place within six months of the impression being taken, CeoTronics AG assumes the warranty for a period of two years – unless otherwise agreed – for the workmanship and materials. The warranty shall only apply where proper use, cleaning and maintenance of the otoplastics have been observed.
The fit of an otoplastic may change due to alterations in the shape of the user's ear area, such as growth, illness or injury.
If the user notices any change in comfort or sound level when wearing the otoplastics, a new fit test should be carried out for safety reasons.

Notes

Notes

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