

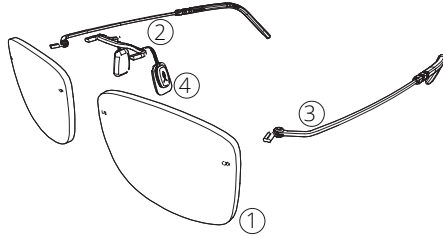


# Blackfin Aero Loop | Fitting lenses

## Blackfin Aero parts

---

- ① Demo lenses
- ② Bridge
- ③ Temples
- ④ LitePads



## Prescription Lens Materials

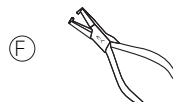
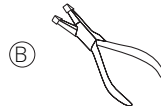
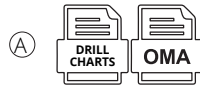
---

**Recommended** with index 1.6, 1.67, TVX 153 and PC  
**Not recommended** thinner than 2 mm or with index 1.5,  
1.5 (with photochromic UV filter), 1.59 and 1.74

## Tools

---

- (A) PDF Drill Chart / OMA File
- (B) Regular pliers with plastic jaws
- (C) Aero Loop Reamer (supplied by Blackfin)
- (D) UV Glue (keep in the fridge)
- (E) UV Lamp
- (F) Aero Loop Pliers (supplied by Blackfin)



**TIP:** We recommend using UV glue because it is easy to clean, provides excellent visual results, and allows you to make adjustments even after the clips have been inserted into the lens holes.



Online Tutorial



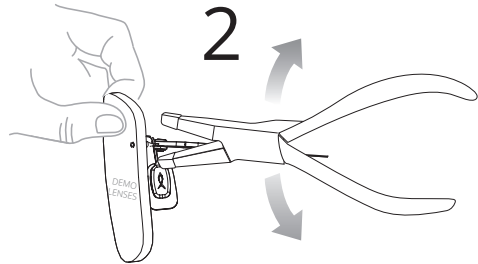
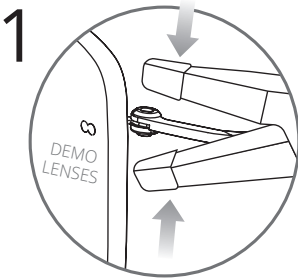
[academy.blackfin.eu/aeroloop](https://academy.blackfin.eu/aeroloop)



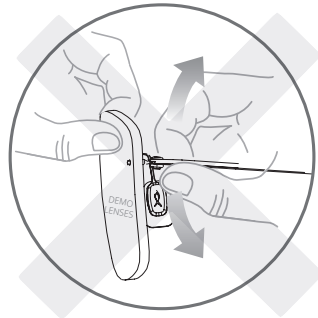
WATCH THE VIDEO TUTORIAL

### Adjusting the Pantoscopic Angle

Adjust the pantoscopic and temple angles to ensure a comfortable fit for the customer before removing the demo lenses. Use only the regular pliers with plastic jaws (Figure 2).

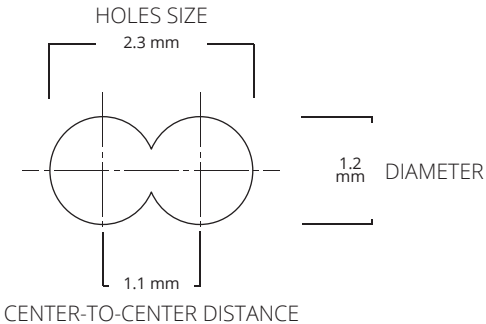


NO

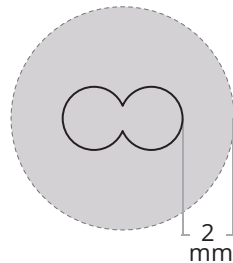


### Drilling Holes in the Lenses

To ensure the clips are securely fastened to the lenses, make two holes as shown below:



2 MM EDGE CLEARANCE

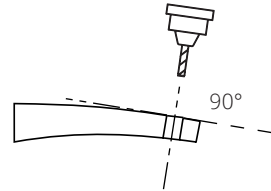




## Milling Guidelines

---

### DIAMETER RANGE:



MILLING ANGLE:  
Perpendicular to the front of the lens

## Lens Cutting Methods

---

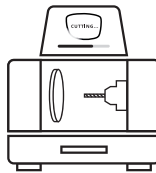
Cutting the lens based on the .OMA file instructions:

### METHOD A using the .OMA file

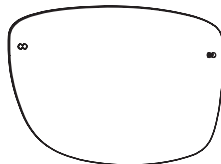
Upload file



Lens cutting



Finished Lens

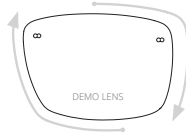




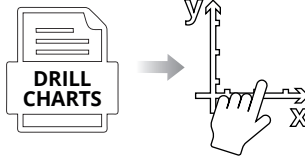
Cutting the lens with manual data entry:

**METHOD B**  
**entering the data manually**

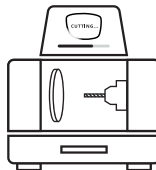
Mechanical probing



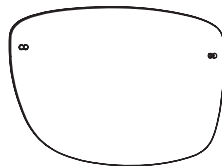
Enter hole coordinates



Lens cutting



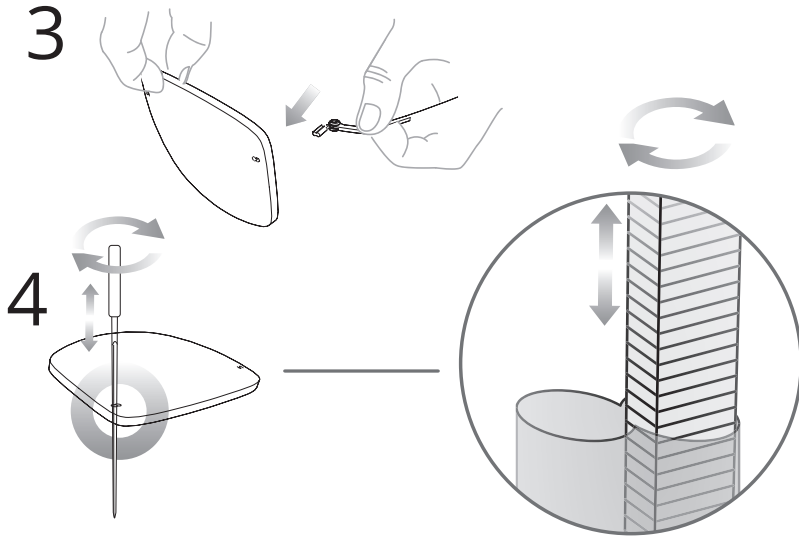
Finished Lens





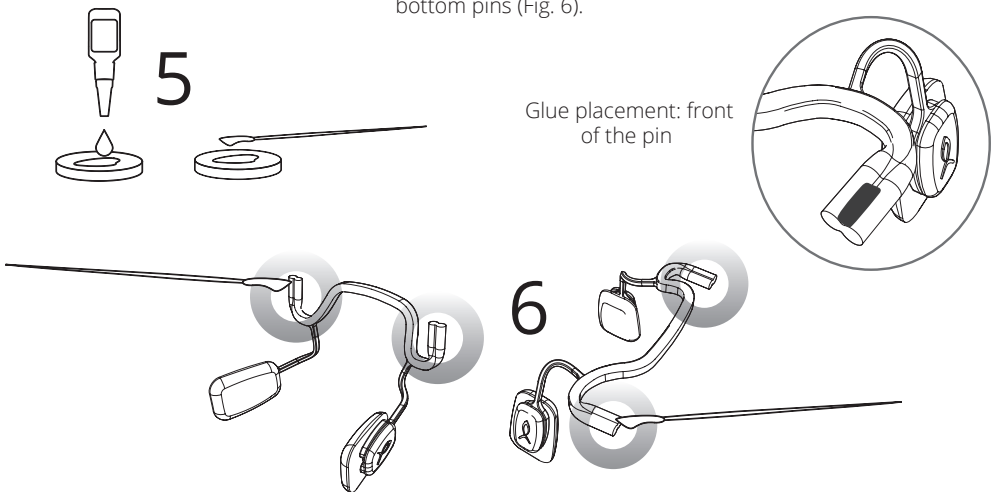
## Checking and Calibrating the Holes

Start by placing the bridge and lug pins in the lens holes. Make sure they fit securely (Figure 3). If needed, use the reamer to expand the hole to the appropriate size (Figure 4).



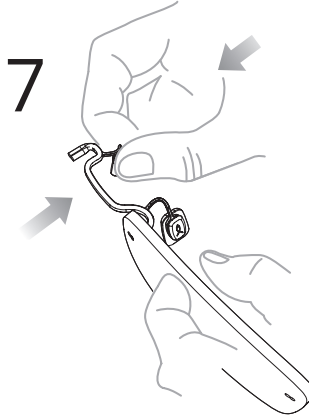
## Assembling the Parts

Dispense a small amount of UV glue onto a surface (Fig. 5) and, using a sharp, pointed object (such as a needle), pick up the adhesive and apply it to the top and bottom pins (Fig. 6).

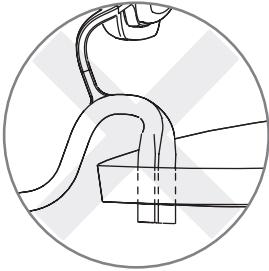




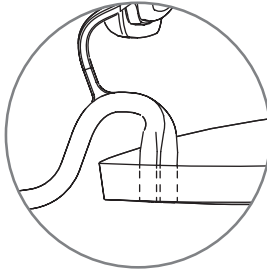
Assemble the bridge with the lenses (Fig. 7), paying attention to the correct insertion: **the pins should be flush with the outer surface of the lens without protruding** (Fig. 8). Ensure that the front is aligned (Fig. 9). **Proceed with UV curing for 30 seconds.**



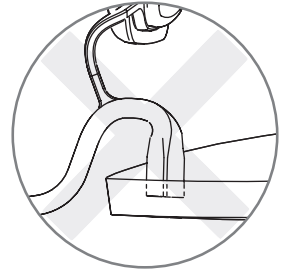
8



NO



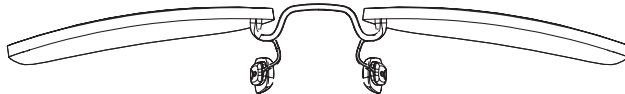
OK



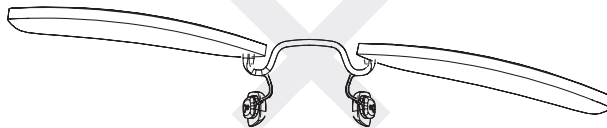
NO

9

OK

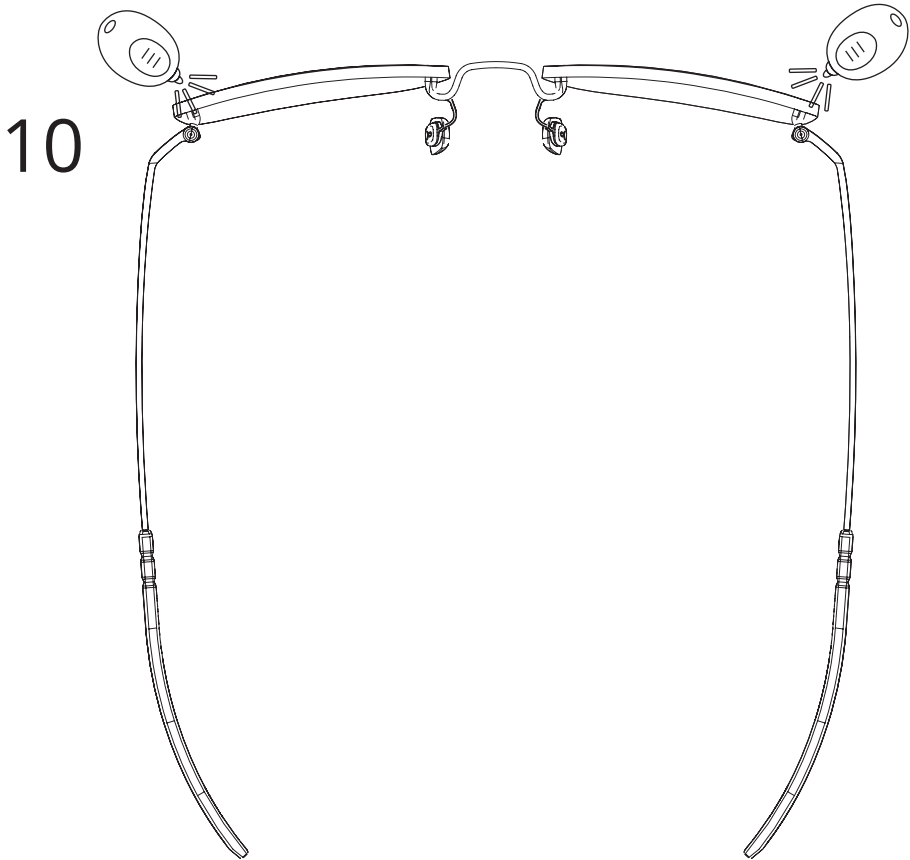


NO





Repeat this procedure for the temple pins, making sure they are correctly aligned here as well.  
Harden the glue under the UV lamp.





### WARNING

Before making any micro adjustments to the fitting of the glasses, wait a few hours after applying the UV glue.

#### Hinge tension

---

The hinge has a rivet-like structure. If it loosens, you can tighten it with the Aero Loop pliers included. Apply steady hand pressure to restore the proper tension of the hinge.

