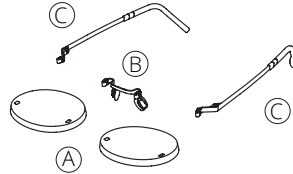




Blackfin Aero: Fitting lenses

Blackfin Aero parts

- (A) Demo lenses
- (B) Bridge
- (C) Temples



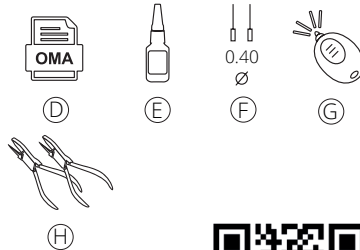
Prescription lens materials

Recommended with index 1.6, 1.67, TVX 153 and PC

Not recommended with index 1.5, 1.5 (photochromic UV filter), 1.74

Tools

- (D) OMA file
- (E) UV glue
- (F) Needles Ø 0.40 mm
- (G) UV lamp
- (H) Opticians' pliers



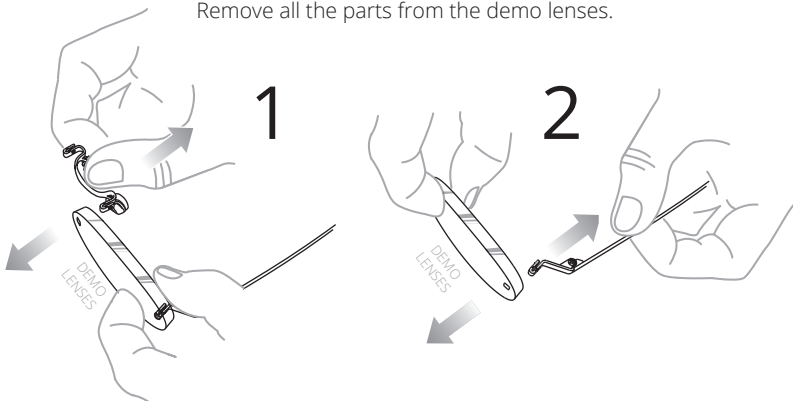
Online Tutorial



academy.blackfin.eu/aero

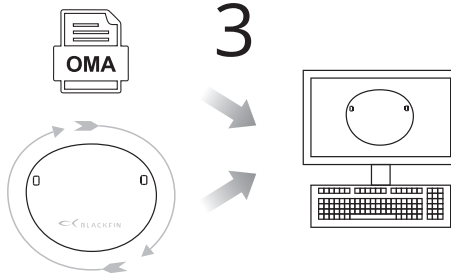


Remove all the parts from the demo lenses.



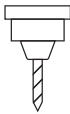


Cut the lens following the instructions in the **OMA** file or by probing the lens.



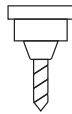
Milling diameter

Ø 0.90 mm



OK

Ø 1.00 mm



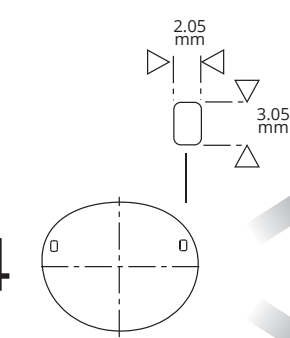
OK

Ø 1.10 mm

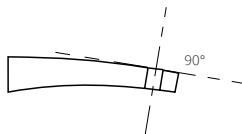


NO

4

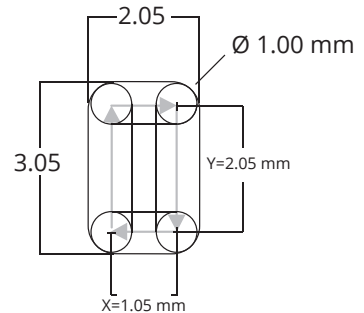


METHOD A
with OMA file



DRILLING ANGLE
Normal to front

METHOD B
manually



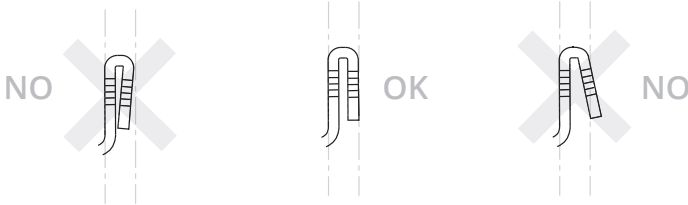
DRILL HOLE INSIGHT
A combination of 4 single hole

NB: It might be necessary to manually vary the measurements of the holes (+/- 5 hundredths of a millimetre) in order to compensate for the mechanical tolerances present in each cutting wheel/mill that depend on the calibration of the machines.

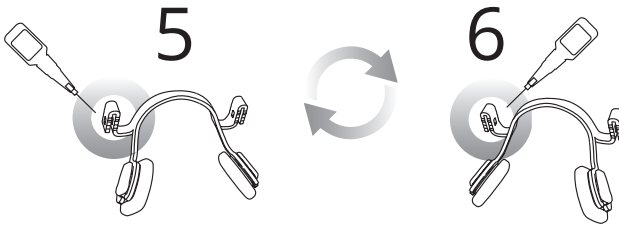


WARNING:

Do not alter the angle of the tips of the hooks, **they must be parallel.**

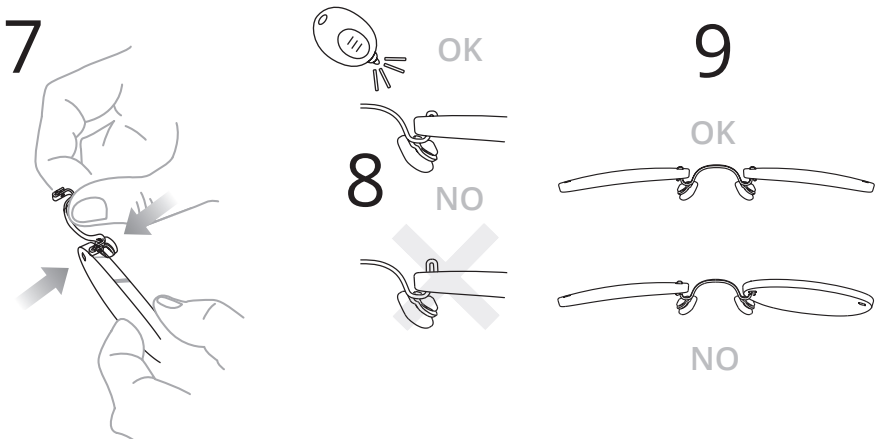


Use a needle Ø 0.40 mm to place a small amount of glue on top of the holes on the hooks.



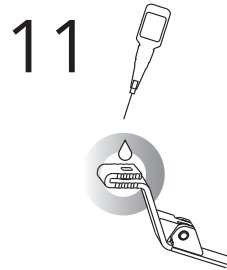
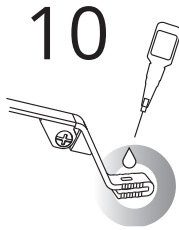
Fix the bridge to the lenses, making sure they are inserted correctly as shown in fig. 8, and checking the front is aligned properly (fig. 9).

Dry under a UV lamp for 10 seconds.

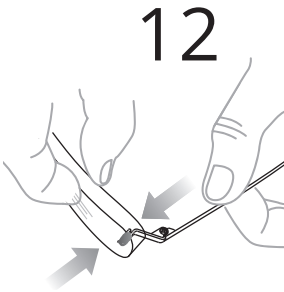




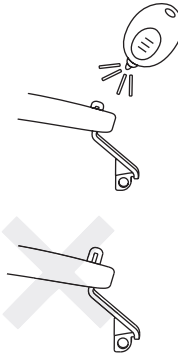
Use a needle Ø 0.40 mm to place a small amount of glue on top of the holes on the hooks.



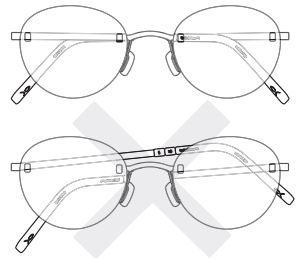
Fix the lugs and temples to the lenses, making sure the hooks are correctly inserted as shown in fig. 13, and that the temples are tilted properly to ensure the pantoscopic angle is 7° as shown in fig. 14. **Dry under a UV lamp for 10 seconds.**



13



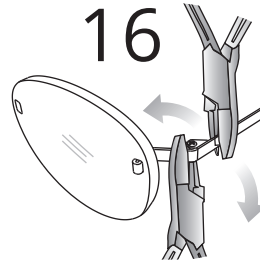
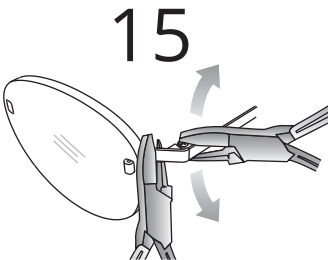
14



TIP:

To ensure the UV glue adheres properly, wait a couple of hours before using the glasses.

Use two pairs of opticians' pliers to make further adjustments to the pantoscopic angle and the temple angle to ensure a comfortable fit for the customer.



WARNING:

Always handle the parts carefully to prevent damaging their finish.