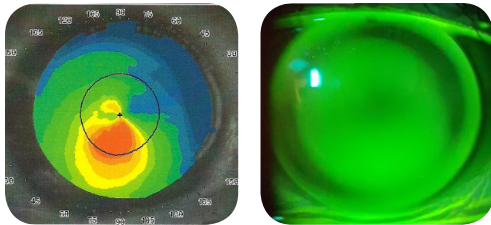


Fitting Summary: The AKS lens design is recommended for oval and nipple cones. Ideally, the fitter will see a light feather touch over the apex of the cone (no more than 2mm wide) which will aide in achieving the most optimal acuity. Slight touch in the mid-periphery on either side of the cone is beneficial in stabilizing the lens but a full ring of mid-peripheral touch should be avoided. This design will result in a lens that sits slightly inferior due to the fact that it will position over the apex of the cone. However, we do not want the lens positioned low enough that it is crossing over the inferior limbus. A mild amount of edge lift, approximately .50mm wide, is desired. If the fitter notes the presence of excessive inferior edge lift, this would be addressed with a diameter change. Keep in mind that this is an irregular cornea and not all acceptable fits will be textbook. It is typical for keratoconic patients to require more minus than the manifest refraction might indicate so do not be alarmed if there is a large amount of minus needed to improve the vision.

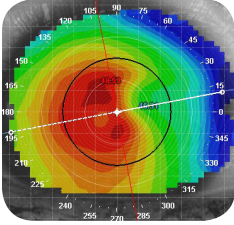
Key fitting characteristics:

- Mild central touch
- Two points of mid-peripheral touch (not 360 degrees)
- Slight inferior position is expected
- Equal edge lift 360 degrees

Ideal AKS fit:

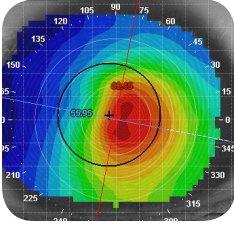


AKS Troubleshooting



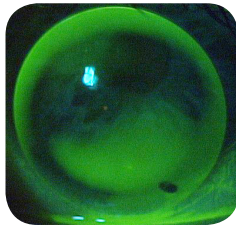
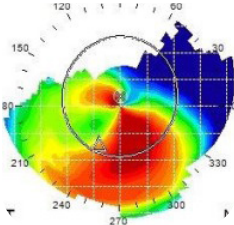
Findings: Light feather touch at the apex of the cone with excessive mid-peripheral bearing

Adjustment: Reorder with a reduced optic zone (0.30mm)



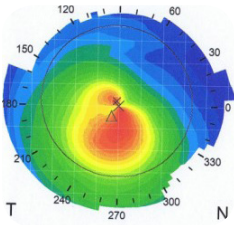
Findings: Excessive bearing at cone apex, wide mid-peripheral bearing and excessive inferior edge lift

Adjustment: Reorder with a steeper base curve (minimum 1D), reduce optic zone (0.30mm) and decrease diameter (0.30mm)



Findings: Excessive inferior decentration (see lower edge beyond lower limbus), broad bearing through superior central portion of the lens

Adjustment: Using the lower lid to push the lens to a more central position will help determine the most accurate adjustment



Findings: Excessive central pooling (no touch at apex) and 360 degrees of mid-peripheral bearing

Adjustment: Reorder with a flatter base curve (0.75D) and reduced optic zone (0.20mm)

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