



# AirCurve™ AC™ Lens

Fitting and Information Guide

## Base Curve Selection Table

Flat K	Base Curve
39.00 to 39.25	8.55
39.50 to 39.75	8.45
40.00 to 40.25	8.35
40.50 to 40.75	8.25
41.00 to 41.25	8.15
41.50 to 41.75	8.10
42.00 to 42.25	8.00
42.50 to 42.75	7.90
43.00 to 43.25	7.80
43.50 to 43.75	7.70
44.00 to 44.25	7.60
44.50 to 44.75	7.55
45.00 to 45.25	7.45
45.50 to 45.75	7.40
46.00 to 46.25	7.35
46.50 to 46.75	7.25



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## The "Standard" of standard GP lenses!

- Easy to Fit
- Crisp Optics
- Super Comfortable
- 100% Reproducible
- Perfect Machined Edges



The AC™ Lens provides your single vision GP patients with the best possible comfort, optics, and durability available. The aspheric peripheral edge lift system gives the right amount of edge lift on every fit. Simple Base Curve Selection Table lets you determine the best base curve for your patients. Give your patients the best!

**Patient Selection:** Select patients with 2 diopters or less of astigmatism. Always take central K readings, refraction, and topography whenever possible.

### Example:

CK's: R: 43.00/44.00  
L: 44.00/46.00

Spectacle-Rx: -3.00  
Spectacle-Rx: -3.00

Eccentricity Value = .52  
Eccentricity Value = .48

### Order:

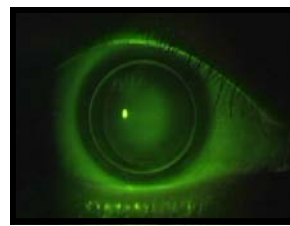
R: AC Base Curve 7.80  
L: AC Base Curve 7.60

Lens Power: -3.25  
Lens Power: -3.37

### Desired Fit:



### Tight Fit:



### Loose Fit:



### If Indicated Lens is Too Tight:

Flatten the Base Curve by ½ diopter

### If Indicated Lens is Too Loose:

Steeepen the Base Curve by ½ diopter

**Early Presbyopes:** For emerging presbyopes a front surface ADD may be used. Assuming a good fit is achieved, by adding a front reverse aspheric curve a +1.50 ADD power can be obtained. Order an E-.6 front surface.

For further fitting details refer to the AirCurve™ Quick Fit Guide or contact one of our knowledgeable consultants.

# AirCurve™ AC™ Lens

## Quick Fit Guide



### Supply the following data to order AirCurve™ Lenses

1. Central keratometry readings (manual/auto)
2. Spectacle Refraction
3. Corneal eccentricity (if available) and brand of topographer

**Base Curve and Optic Zone** Upon dispensing, the base curve and optic zone should display alignment.

**Peripheral Zone** AirCurve™ lenses utilize a “true” aspheric peripheral curve for perfect lift. If more or less edge lift is required, the base curve may need to be flatter or steeper. If you feel the central base curve is fit correctly then you may order a X-Low, Low, High or X-High edge lift.

### Base Curve and Diameter



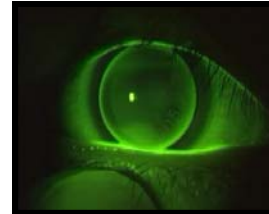
Flat K	Base Curve	Diameter
39.00 to 39.25	8.55	10.0
39.50 to 39.75	8.45	10.0
40.00 to 40.25	8.35	9.8
40.50 to 40.75	8.25	9.8
41.00 to 41.25	8.15	9.7
41.50 to 41.75	8.10	9.7
42.00 to 42.25	8.00	9.6
42.50 to 42.75	7.90	9.6
43.00 to 43.25	7.80	9.5
43.50 to 43.75	7.70	9.5
44.00 to 44.25	7.60	9.4
44.50 to 44.75	7.55	9.4
45.00 to 45.25	7.45	9.3
45.50 to 45.75	7.40	9.2
46.00 to 46.25	7.35	9.1
46.50 to 46.75	7.25	9.0

### Lens Dispensing Procedure

1. Insert the lenses and wait 10 to 15 minutes for them to settle down or until the patient stops tearing.
2. Observe the lenses with the slit lamp to check lens position and movement.  
**Lenses should center and move well.**
3. Insert fluorescein and observe the pattern comparing it to the description in #4.

### Fluorescein Pattern Check List

- Central alignment
- Adequate peripheral edge lift
- 2-3mm movement on the blink



4. Over-refract and adjust power as necessary.
5. If acceptable, dispense the lenses.
6. If possible, a follow-up should be done within one week. Schedule it towards the end of the wearing schedule.

**CAUTION:** Advise the patient to contact you immediately if they experience red, swollen eyes and/or distorted vision.

### Follow-Up Check List

1. Check lens position & movement with the slit lamp.
2. Over-refract with the lenses on.
3. Check the fluorescein pattern.
4. Remove the lenses and measure the central K readings.
5. Check the refraction to see if it is stable.
6. Take topography maps if available.
7. If results are acceptable, schedule the patient for an annual follow-up.
8. If results are unacceptable, send a completed Context Troubleshooting Form along with axial and tangential topography maps (or the data below) to Context for assistance.

### Supply the following data to re-order AirCurve™ lenses

- Pre and post-wear K readings
- Pre and post-wear refraction
- Over-refraction with lenses on
- Pre and post axial and tangential maps
- Lens position (central, superior, inferior, temporal, nasal and how many mm's)
- Description of fluorescein pattern
- Wearing schedule

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