



A custom-made, aspheric periphery, based on a four curve design. Simply follow the procedure below or talk with our team who can help you create a custom fit.

Fitting Procedure

- Full refraction and eye examination
- Keratometry or Topography

Corneal Astigmatism	Difference in K's	Base Curve Selection
0.00 to 0.75 DC	0.00 to 0.15mm	On flattest K
0.75 to 1.00 DC	0.15 to 0.20mm	0.00 to 0.05mm steeper than flattest K
1.00 to 2.50 DC	0.20 to 0.50mm	0.05 to 0.10mm steeper than flattest K
Over 2.50 DC	Over 0.50mm	Back surface toric required

- If base curve required is 6.80mm or less use a KII keratoconus design
- Select power of lens, making adjustments for BVD if power over +/- 4.00D
- Adjust power of lens according to cylinder in spectacle refraction

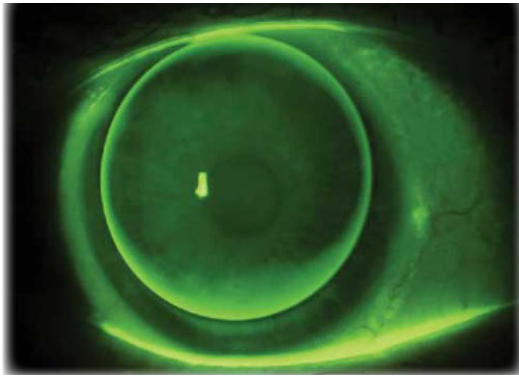


Spectacle cylinder	Adjustment to spherical power
0.00 DC	None
-0.25 DC	None
-0.50 DC	None
-0.75 DC	-0.25 D
-1.00 DC	-0.50 D

- Adjust the power according to the base curve selected;

For every 0.05mm STEEPER than flattest K	Add -0.25D to spherical power
For every 0.05mm FLATTER than flattest K	Add +0.25D to spherical power

- Select diameter approximately 2mm smaller than HVID
- Phone us with the lens specification required or alternatively we can calculate the parameters for your custom 4F RGP lens.

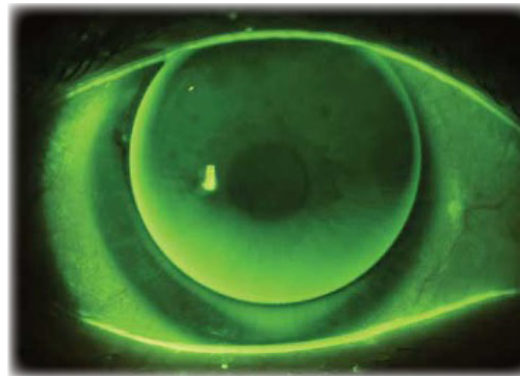


Instil Fluorescein to check fitting.

Good/Alignment Fit

- Good centration
- Lens should remain on cornea during all positions of gaze - lens should remain within the limbus
- Fluorescein shows alignment or very slight apical clearance over the central area, mid peripheral touch and a band of edge clearance approximately 0.40mm
- Smooth vertical movement 1-1.5mm
- When lids held apart the lens should slowly decentre downwards
- Reasonable initial comfort - improves during adaption

If a good fit, carry out over-refraction and order final lens.

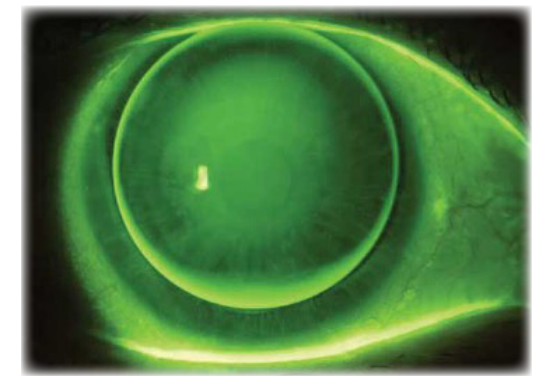


Instil Fluorescein to check fitting.

Flat Fit

- Central area of touch
- Excessive edge clearance
- Excessive movement on blinking
- Poor comfort
- Unstable vision
- +ve powered over-refraction

Order a steeper lens, remember to adjust power according to change in over-refraction and/or base curve.



Instil Fluorescein to check fitting.

Steep Fit

- Excessive central pooling - may be air bubbles
- Minimal edge clearance
- Excessive touch mid periphery
- Insufficient movement - lens maybe static
- -ve powered over-refraction

Order a flatter lens, remember to adjust power according to change in over-refraction and/or base curve.

PRODUCT SPECIFICATION

Base Curve (mm)	7.05, 7.12, 7.20, 7.27, 7.35, 7.42, 7.50, 7.57, 7.65, 7.72, 7.80, 7.87, 7.95, 8.02, 8.10, 8.17, 8.25, 8.32, 8.40, 8.47 (More sizes available on request)
Diameter (mm)	8.60, 9.00, 9.40, 9.80, 10.20, 10.60 (More sizes available on request)
Power Range	-40.00D to +40.00D (0.25D steps)
Material	Contamac - F2 (Low, Medium, High) / Optimum (Classic, Comfort, Extra)
Tints	Blue, Grey, Green, Clear (Tint options may be limited to certain materials)
Engraving	Custom engraving is at no extra cost
Extras	Back, Front & Bi-Toric, Toric periphery, Negative carrier & Concentric bifocal

