



A custom-made four curve RGP. 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 |

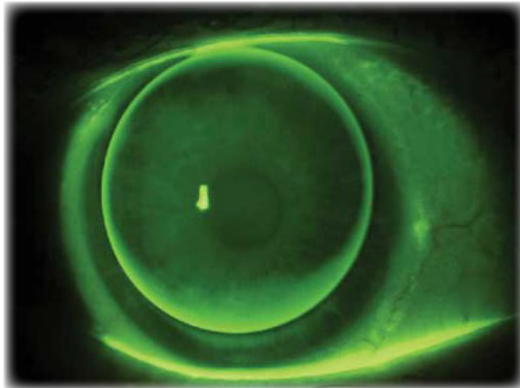
- Select diameter approximately 2mm smaller than HVID
- Phone us with the lens specification required or alternatively we can calculate the parameters for your custom 4F RGP lens.

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.

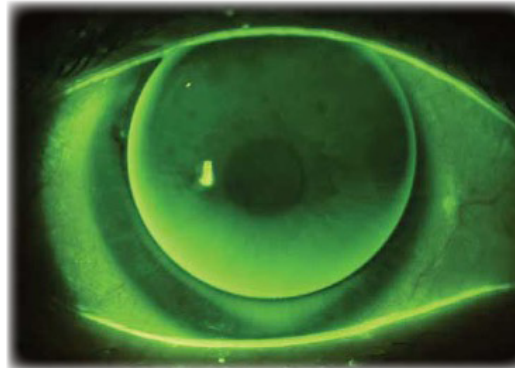


Instil Fluorescein to check fitting.

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.

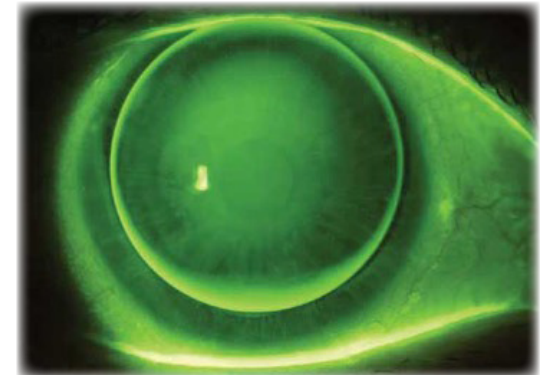


Instil Fluorescein to check fitting.

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, 8.17, 8.25, 8.32, 8.40, 8.47 |
| Diameter (mm) | 8.60, 9.00, 9.40, 9.80, 10.20, 10.60 |
| 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 |