

RevitalEyes

P O S T S U R G I C A L

RevitalEyes is a custom manufactured soft lens specifically designed for the surgically altered cornea where visual acuity is less than optimal. RevitalEyes is effective for refractive surgery cases such as RK and Lasik as well as Corneal Transplant patients. It is available in two lens material options: standard hydrogel Hioxifilcon B 49% water or Definitive SiHy 74% water material.

All diagnostic lenses are made from standard hydrogel Hioxifilcon B 49% water material and come prism ballasted and orientation marked for axis determination.

Note: For Corneal Graft cases use only Definitive SiHy material for it's higher DK.

AVAILABLE PARAMETERS

Base Curve	7.5 to 9.6 in .3mm steps
Sphere power	-20.00 to +20.00 in .25D steps
Cylinder power	-.75 to -10.00 in .25D steps
Axis	0 to 180 in 5° steps
Diameter	14.0mm to 15.5mm
Peripheral curve	Standard, Flat 1, Flat 2, Steep 1, Steep 2

FITTING

The fitting curve matches the unaltered portion of the cornea. The central portion of the lens is flatter than the fitting curve. While the standard base curve configuration will fit the majority of patients, the peripheral curve can be steepened or flattened as needed.

STEP 1: Apply Initial Diagnostic Lens

A). For Post Refractive:

Start with 8.4mm lens.

For Corneal Graft:

Start with 8.1mm or steeper lens.

B). Allow lens to equilibrate then evaluate for ideal movement of .5mm to 1.0mm

Optimal – proceed to next step

Less than Optimal – Apply flatter curve lens and re-evaluate

Excessive – Apply steeper curve lens and re-evaluate

STEP 2: Over-Refract on Optimal Lens Fit

A). Spherical power, cylinder power and axis of over-refraction

Examples:

-2.00 sphere (no cylinder or axis)

-2.00 sphere -1.00 cylinder @ 90° axis

B). Check orientation marks for rotation and notate findings.

C). Check stability of visual acuity following blink

1). If vision clears upon blink and slowly blurs, a flatter central curve is needed. A Metro Optics lens consultant will customize parameters for you.

2). If vision blurs upon blink and slowly clears, a steeper central curve is needed. A Metro Optics lens consultant will customize parameters for you.

STEP 3: Order Prescriptive Lens

A). Post Refractive Surgery–

Order patient's prescriptive lens according to over-refraction results in your choice of standard hydrogel or Definitive SiHy material.

B). Corneal Graft–

Order patient's prescriptive lens according to over-refraction results in Definitive SiHy material as these patients require the higher Dk this material delivers.

Note: We recommend discarding used Diagnostic Lenses. No-Charge replacements are available upon request.

ADDITIONAL FITTING TIPS & TROUBLE SHOOTING

Over-refraction is unstable -

- Central fit may not be optimal. -
Try flatter or steeper base curve.
- Verified good central fit. -
Order increased center thickness on Rx lens.

Visual acuity improves after blink -

- Central fit is too steep. -
Try flatter base curve.

Visual acuity declines after blink -

- Central fit is too flat. -
Try steeper base curve.

Central fit & over-refraction is good, but peripheral fit is too flat

Note best central fitting base and use steeper lens to determine best peripheral fit.

Central fit & over-refraction is good, but peripheral fit is too steep

Note best central fitting base and use flatter lens to determine best peripheral fit.



Custom soft lens
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To speak to a consultant or place an order please call:
800-223-1858



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