

DigiForm™ Semi-Scleral Lens



Digital Library Fitting Guide

DigiForm™ Design type	K1	L1	RK1	G1	N1
Indications	Keratoconus	Post-Lasik	Post-RK	Post-Graft	Normal shape
Diameter (fitting set)	15.0	15.0	15.0	15.0	15.0
Diameter range	14.0-16.5	14.0-16.5	14.0-16.5	14.0-16.5	14.0-16.5
Optic Zone	8.0	8.0	8.0	9.0	8.0
Base Curve (fitting set)	6.20-8.00	7.60-9.40	7.40-9.80	6.60-8.60	7.00-8.30
Base Curve range					
Initial Base Curve selection	0.50D flatter than flat 'K	2.00D Steeper than flat 'K	2.00D Steeper than flat 'K	2.50D flatter than flat 'K	0.50D steeper than flat 'K
Power Range	+20.00 to -30.00				
Bi-Toric Availability	✓	✓	✓	✓	✓
Quad-Toric	✓	✓	✓	✓	✓
Bifocal Availability	✓	✓	✓	✓	✓

Material selection: Made standard in Boston® XO - a tough, stable, 100 Dk material.

1. **Choose fitting set** corresponding to patient design requirement type from Table above.

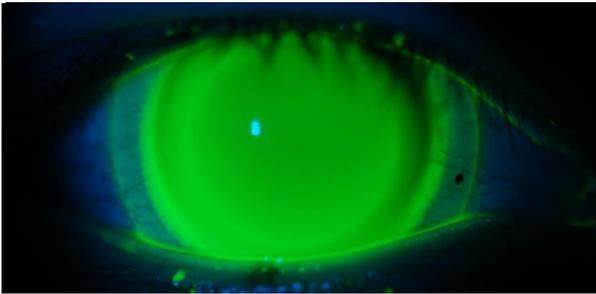


2. **Choose initial Base Curve** recommended from fitting set or above table. Cases are labeled as well as laser etching of the base curve on the lenses themselves.

3. **Apply lens.** Fill the bowl with saline solution and add fluorescein. Forming a tripod with fingers may produce best results. A plunger may be required. With the patients head horizontal to the floor, slide the lens under the upper lid, then position under the lower lid.

Solution tip: use unpreserved saline. Non-aerosol to prevent bubbles introduced upon insertion.

4. **Evaluate fit after 20-30 minutes.** DigiForm™ scleral lenses should show a broad area of slight corneal clearance or minimal touch, followed by scleral alignment with slight edge clearance. Minimal bubbles should be present.



5. **Perform Over-refraction.**

Problem Solving

Problem	Recommended solution
Bearing centrally	Order steeper base curve
Clearance centrally	Order flatter base curve
Bubbles centrally	1. Retrain lens application technique 2. Order flatter base curve.
Mobile, transient bubbles	1. Retrain lens application technique 2. May be acceptable
Immobile bubbles	1. Retrain lens application technique 2. Indication of clearance in area of bubble. Modify fit accordingly.
Peripheral corneal clearance 360°	Order steeper curves accordingly
Peripheral corneal clearance/bubbles localized	1. Order steeper curves accordingly 2. After comparing to topography, consider Bi-Toric or Quad-Toric™ design
Blanching or compression 360°	Order flatter scleral curves
Blanching or compression localized	1. Order flatter scleral curves 2. May need Bi-Toric or Quad-Toric™ design
Lens adherence	1. Flatten base curve and/or peripheral curves 2. Clean lens thoroughly
Lens Flexure	1. Order thicker overall lens 2. Flatten base curve and/or peripheral curves
Mucous buildup under lens	1. Flatten base curve and/or peripheral curves 2. Use less viscous solution 3. Clean lens during day
Pain with lens insertion	1. Make sure back surface is cleaned daily 2. Use Progent if needed
Pain upon removal	1. Change peripheral curves 2. Change lens diameter
Lens fogging	1. Change solutions 2. Clean makeup and lotions off lens 3. Use Progent 4. Polish lens