

Dyna Semi-ScleralSM

Fitting Guide

Starting Point:

Start with a trial lens that is the average of the K readings or Sym Ks.

Insertion:

It is important that no air bubbles get under the lens. To insure this does not happen, follow the outlined procedures:

1. Clean the lens before insertion with an approved GP solution, and final rinse with a non-preserved sterile saline.
2. Place the lens between your index finger and the forefinger, concave side up.
3. Completely fill the lens with sterile saline.
4. Dip a fluorescein strip into the saline in the lens bowl.
5. Position the patient so their face is parallel with the dispensing table or the floor.
6. Place the lens on the eye so that the saline is still in the bowl of the lens. A towel placed on the table to absorb the displaced saline.
7. The trial lens should equilibrate about 20 minutes before evaluation.

Evaluation:

1. The lens should position centrally.
2. The lens should have minimal movement, about 0.5 mm.
3. The lens should have no conjunctival drag.
4. Look for adequate edge lift. Increase or decrease the edge lift as required.
5. The lens should vault the cornea for maximum comfort. Through the fluorescein, you should be able to barely see the outline of the pupil. If the pupil is very distinct the fit is too flat. If you can not see the pupil, the fit is too steep.

Removal:

Re-hydrate the eye. Place a DMV remover on the lower, nasal side of the lens. Rock the lens to insure any seal is broken and remove the lens.

Diameters	13.5, 14.0, 14.5, 15.0, 15.5, 16.0
Powers	+10.00 to -20.00
Base Curves	5.50 mm to 8.50 in 0.05 mm steps
Edge Lifts	Increased and decreased as needed in steps Quad Sym™ edge treatment available
Warranty	90 day warranty, \$125 ea: 100% patient cancellation, unlimited remakes at \$25 ea

Available Options:
front toric
multifocal

LENS DYNAMICS
PRECISION LENSES

Innovators in Irregular Corneal Treatment

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Dyna Semi-ScleralSM

Fitting Tips

- 1) Select a base curve close to the average of the central K readings. Scleral lenses should vault the entire cornea to maximize comfort and corneal health.
- 2) Always fit from the center first, and then assess the mid-peripheral area and finally the edge. Scleral lenses will have more pooling than corneal designs. A good guide for fluorescein assessment is looking for the outline of the pupil through the fluorescein. The fitter should be able to barely see the outline of the pupil. If the pupil is very prominent, the base curve is too flat. If the fitter cannot see the pupil, the base curve is too steep.

Next, look at the BOZ/secondary curve area. The limbus should be vaulted and no touch should be observed on the cornea. The standard BOZ is 9.0 mm, but that can be adjusted larger or smaller as needed.

Finally, check the PC area. There MUST be fluorescein under the edge to allow for tear exchange. Check for conjunctival drag. To correct any stand off, decrease the edge lift. To correct seal off, increase the edge lift.

- 3) Diameter selection should be determined by the limbus to limbus measurement plus enough lens to “land” on the sclera. Typically, the diameter should be about 1.5 mm larger than the cornea. Diameters of 13.5 to 16.0 mm should accomplish this, while avoiding the insertion and removal difficulties of larger diameter designs. Soft lens comfort comes from vaulting the cornea and putting the bearing on the sclera.
- 4) Correct insertion is important to successful fits. The bowl of the lens MUST be filled with sterile, non-preserved saline. Artificial bubbles will result if too little saline is in the bowl. Have the patient position their face parallel to the fitting table to insert the lens. The fitter should instill fluorescein into the saline prior to insertion during fitting sessions. There are two devices that make insertion easier. The softsert™ device and a DMV® that has a hole through the device to release pressure once the lens is on the eye.
- 5) Some patients can remove the scleral lenses with traditional GP removal techniques. Others will need a standard DMV device for removal. Instill saline or rewetting drops first and then place the DMV 4-5 mm below the center of the lens. Rock the lens slightly to insure the lens is not sealed off, then lift the lens off.
- 6) Schedule follow-up visits as late as possible in the day. This gives the fitter a “real world” assessment of the tear pattern.
- 7) Any questions or fitting concerns should be addressed to our consultants at 800-228-2691.