

BAUSCH + LOMB



UNDERSTANDING BI-ELEVATION™

Your guide to addressing scleral misalignment when fitting Zenlens®

GETTING STARTED

A SIMPLE TECHNIQUE

Bi-Elevation™ is a scleral alignment fitting technique in which varied elevations are utilized in the limbal area of the lens.

HELPFUL FOR

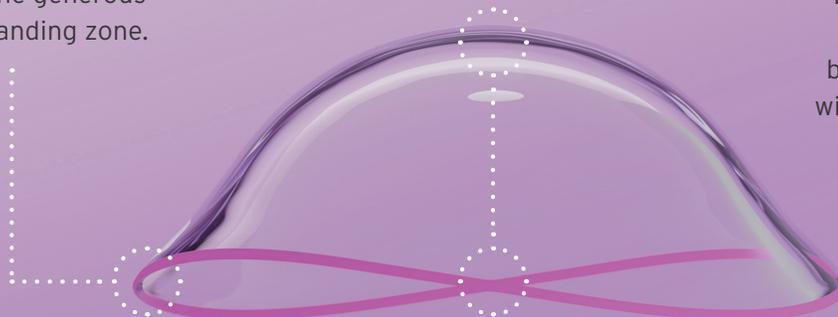
Scleral alignment issues, such as chamber fogging, lens decentration, and instances of uneven limbal clearance.

TERMINOLOGY AND LENS DESIGN

APS: Advanced Peripheral System refers to the generous Zenlens® landing zone.

SAG: Sagittal height includes a deep and a shallow meridian.

Bi-Elevation™
Lenses with Bi-Elevation™ have two SAG values to better align the lens with varying elevation of the limbus.



FITTING STEPS

1

MEASURE THE HVID AND CHOOSE THE APPROPRIATE LENS SIZE FROM THE FIT SET

- If HVID ≤ 11.7 mm, choose the 14.8-mm or 16.0-mm diameter lens
- If HVID > 11.7 mm, choose the 15.4-mm or 17.0-mm diameter lens

2

ASSESS AND MODIFY THE CENTRAL CLEARANCE OVER THE CORNEA

- If the lens is decentered, manually center the lens to evaluate clearance and fluorescein pattern
- If oval fluorescein pattern is observed, the acceptable clearance SAG value becomes the shallow SAG in the Bi-Elevation™ design
- The deeper SAG value is calculated by adding 300 microns to the shallow SAG
Example: Acceptable SAG for clearance is 4.700. Add 300 microns to create the deep meridian SAG of 5.000



SPHERICAL LENS ON TORIC LIMBUS



TORIC LENS ON TORIC LIMBUS: Asymmetric landing between the horizontal and vertical meridians. The lens APS has minimal surface area contact in the vertical meridian.

● Illustrates Zenlens® on the eye

3

CENTER THE LENS TO OBSERVE APS ALIGNMENT

- If the APS has good scleral alignment:
 - Keep the shallow meridian APS the same
 - Flatten the deep meridian APS by 300 microns (10 steps)
- If the deep meridian APS is too steep:
 - Flatten the deep meridian APS by 360 microns (12 steps) instead of 300 microns (10 steps)
- If the deep meridian APS is too flat:
 - Flatten the deep meridian APS by 240 microns (8 steps) instead of 300 microns (10 steps)

4

CHANGE THE LIMBAL CLEARANCE TO STANDARD IN BOTH MERIDIANS

HAVE QUESTIONS OR NEED FITTING ADVICE?

Our expert consultants work closely with you to ensure the best fit for your patients. Simply call or email us, and we will guide you in the fitting and ordering of your lenses.

Expert consultants are available Monday to Friday, 8:00 AM to 7:00 PM EST.
Call (800) 253-3669 or email svp.consultation@Bausch.com

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