Diameter selection

The Zenlens® 4-diameter lens set is a comprehensive offering that allows you to match the diameter of the lens closely to a patient's cornea size. Each lens size is useful to a number of patient conditions. Simply measure the horizontal visible iris diameter (HVID) and choose the corresponding lens size.

LENS DIAMETER GUIDELINES

Use the 14.8-mm lens for HVID measurements smaller than 11.7 mm	Use the 15.4-mm lens for HVID measurements larger than 11.8 mm	Use the 16.0-mm lens for HVID measurements smaller than 11.7 mm	Use the 17.0-mm lens for HVID measurements larger than 11.8 mm
ALL FOUR LENS DIAMETERS ARE SUITABLE FOR PATIENTS WITH			
Astigmatism Refractive error MODERATE-TO-SEVERE: Ocular surface disease Corneal scarring Irregular astigmatism Radial keratotomy			
CHOOSE A SMALL DIAMETER		CHOOSE A LARGE DIAMETER	
MILD: Keratoconus MILD: Pellucid marginal degeneration MILD: Lasik ectasia Flat penetrating keratoplasty		MILD-TO-ADVANCED: Keratoconus MILD-TO-ADVANCED: Pellucid marginal degeneration MILD-TO-ADVANCED: Lasik ectasia MILD-TO-ADVANCED: Penetrating keratoplasty	

IMPORTANT SAFETY INFORMATION FOR GAS PERMEABLE AND CUSTOMIZED SOFT CONTACT LENSES

WARNINGS:

Patients should be advised of the following warnings pertaining to contact lens wear:

- Problems with contact lenses and lens care products could result in serious injury to the eye. It is essential that patients follow their eyecare practitioner's directions and all labeling instructions for proper use of lenses and lens care products, including the lens case. Eye problems, including corneal ulcers, can develop rapidly and lead to loss of vision.
- Daily wear lenses are not indicated for overnight wear, and patients should be instructed not to wear lenses while sleeping. Clinical studies have shown that the risk of serious adverse reactions is increased when daily wear lenses are worn overnight.
- Studies have shown that contact lens wearers who are smokers have a higher incidence of adverse reactions than nonsmokers.
- If a patient experiences eye discomfort, excessive tearing, vision changes, or redness of the eye, the patient should be instructed to immediately remove lenses and promptly contact his or her eyecare practitioner.

CONTRAINDICATIONS:

Do not use when any of the following conditions exist:

- Acute or subacute inflammation or infection of the anterior chamber of the eye
- Any eye disease, injury or abnormality, other than keratoconus, PMD, that affects the cornea, conjunctiva or eyelids
- Severe insufficiency of lacrimal secretion (dry eye)
- Corneal hypoesthesia (reduced sensitivity), if not aphakic
- Any systemic disease that may affect the eye or be exaggerated by wearing contact lenses
- Allergic reactions of ocular surfaces or adnexa that may be induced or exaggerated by wearing contact lenses or using contact lens solutions
- Allergy to any ingredient in a solution which is to be used to care for contact lenses
- Any active corneal infection (bacterial, fungal or viral)
- Red or irritated eyes

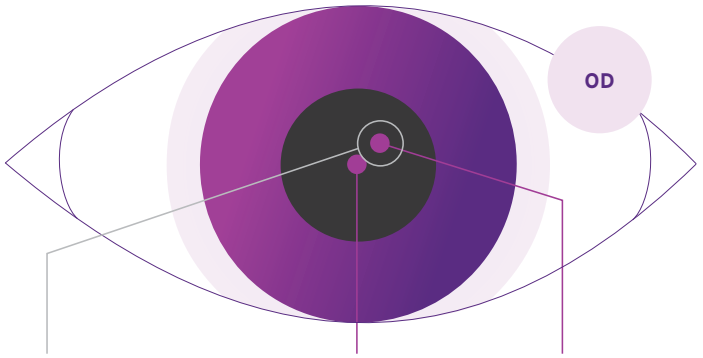
ADVERSE EFFECTS:

The following problems may occur with the use of contact lenses:

- Eyes stinging, burning, itching, irritation or other eye pain
- Comfort is less than when the lens was first placed on the eye
- Feeling of something in the eye such as a foreign body, scratched area
- Excessive watering (tearing) of the eye
- Unusual eye secretions
- Redness of the eyes
- Reduced sharpness of vision (poor visual acuity)
- Blurred vision, rainbows, or halos around objects
- Sensitivity to light (photophobia)
- Dry eyes

Multifocal optics

With Zenlens®, a multifocal prescription is realized with decentered optics that align the near zone over the visual axis instead of the center of the cornea, a design that has shown to provide clearer vision in soft contacts. The Zenlens® multifocal lens places the near zone slightly nasal and superior for each eye.



Near zone
Zenlens® ADD power aligns with the visual axis, not the pupil center

Pupil center
Center of cornea

Visual axis
Decentered in pupil—slightly nasal and superior for each eye

A SIMPLE GUIDE TO DETERMINING MULTIFOCAL OPTICS:

1. Obtain spectacle refraction data, including ADD power, and determine eye dominance

2. Measure pupil size in normal room illumination

3. Over-refract for best distance vision first, using sphere powers only

4. Order ADD power for dominant eye

   0.50D less than spectacle ADD for best intermediate vision

5. Order ADD power for non-dominant eye equal to that of the spectacle ADD for best near vision

6. Adjust near zone size for each eye

   Default to 1.5-mm for smaller zone size for the dominant eye

   Default to 2.0-mm larger zone for the non-dominant eye

SmartCurve™ technology

Address a number of patient conditions with SmartCurve™ technology, a proprietary innovation that simplifies scleral fittings by giving you the ability to customize the shape of the lens with ease.*

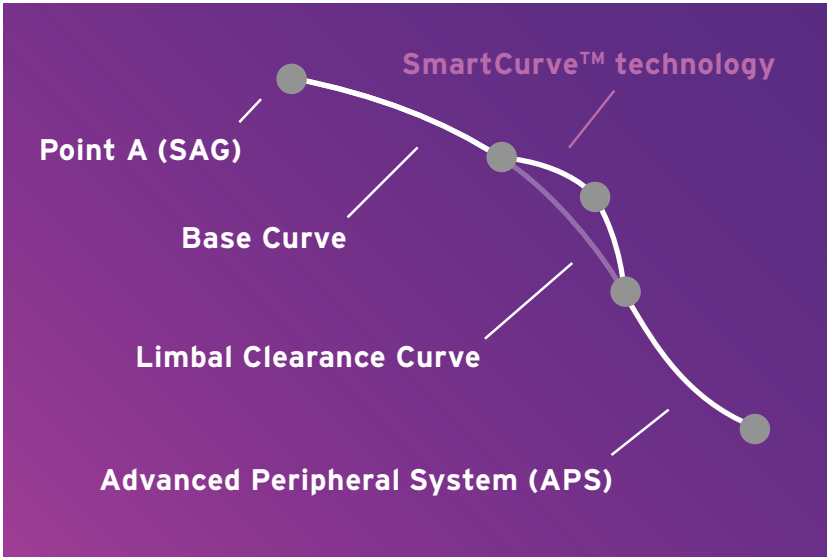
Precisely modify the lens curves to accommodate the shape of a patient's cornea

When one parameter is modified, SmartCurve™ technology automatically adapts to ensure that the other parameters remain consistent

Useful for asymmetric, steep, and toric corneas

SMARTCURVE™ TECHNOLOGY IN ACTION

Changes to any parameter affect the lens clearance at the desired point only and do not change the lens clearance at the other control points.



*In a market research survey of 40 practitioners, results showed that practitioners found SmartCurve™ technology makes fitting easier and more straightforward because it limits changes to just one parameter.

Bi-Elevation™

AN INNOVATIVE APPROACH TO ADDRESSING SCLERAL ALIGNMENT ISSUES

Bi-Elevation™ is a useful Zenlens® design feature used to help create a 360° even landing on the sclera, which can be helpful for reducing instances of:

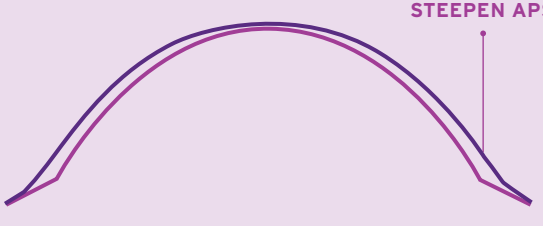
- LENS DECENTRATION
- CHAMBER FOGGING
- LENS IMPINGEMENT
- CONJUNCTIVAL IMPRESSION RINGS

WHAT MAKES BI-ELEVATION™ DIFFERENT?

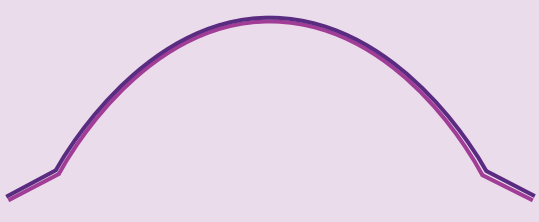
In many cases, scleral alignment issues may be addressed by adjusting the APS.

With Bi-Elevation™, you adjust the shallow and deep meridians inside the vault chamber of the lens to address elevational differences in the limbus.

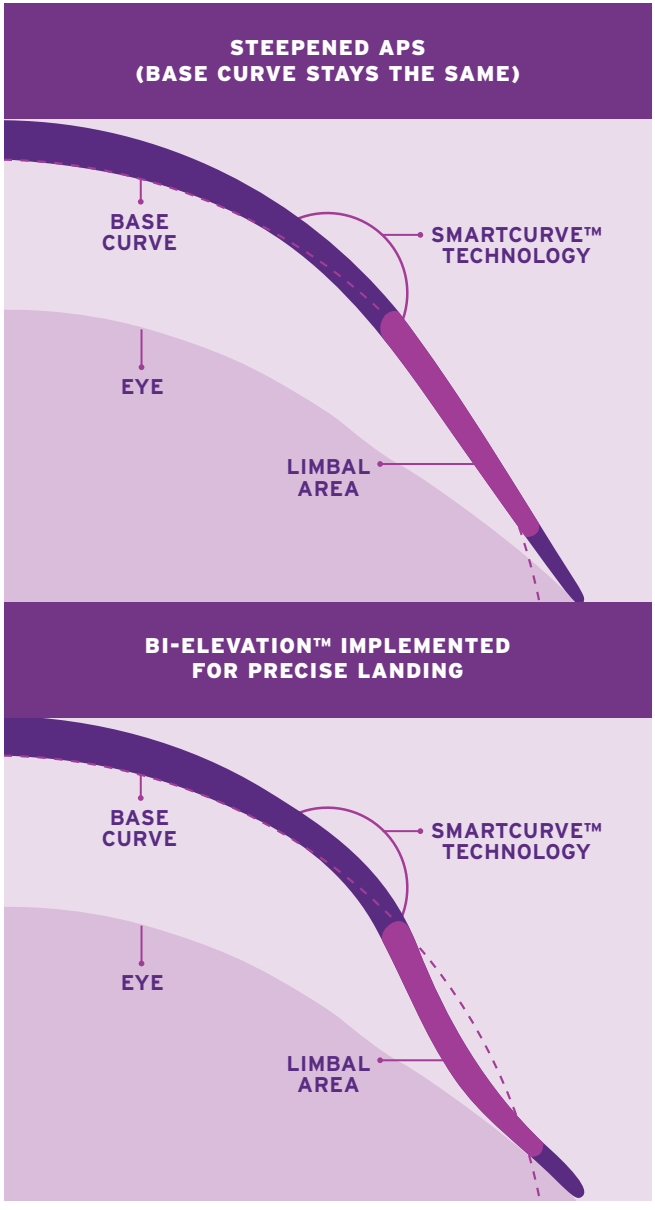
TRADITIONAL METHOD TO ADDRESS SCLERAL MISALIGNMENT



BI-ELEVATION™ METHOD TO ADDRESS SCLERAL MISALIGNMENT



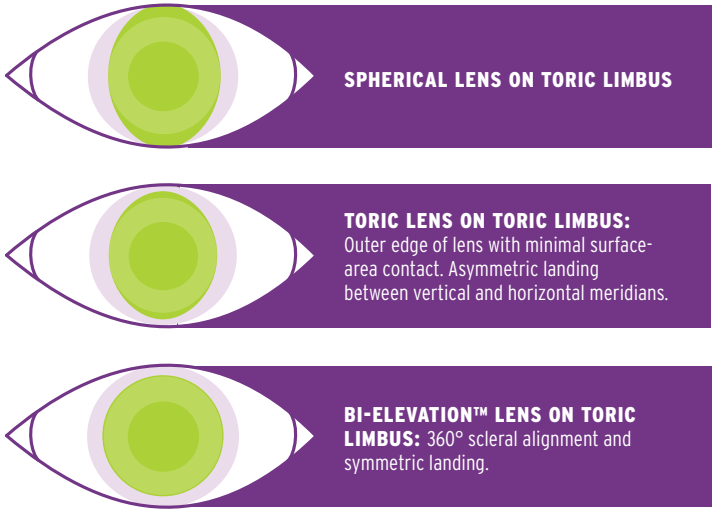
BI-ELEVATION™ IN ACTION



VISUALIZE CLEARANCE WITH FLUORESCEIN

Fluorescein can be used to see elevation differences and alignment issues.

Illustrates Zenlens® on the eye



If you notice an oval fluorescein pattern when assessing the lens fit, consider using Bi-Elevation™ to make your clearance even around the limbal area.

Bi-Elevation™ should be considered early in the refitting process.

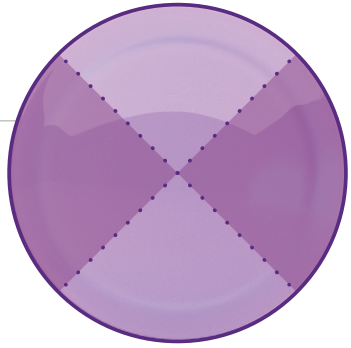
Ask our expert consultants for help with the design parameters.

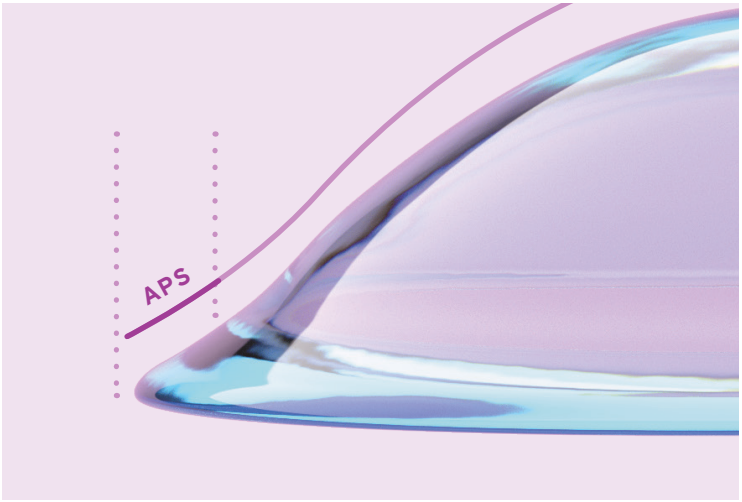
Advanced Peripheral System with Quad-Sym technology

In addition to SmartCurve™ technology, you can **easily modify both spherical and toric peripheral curves** using the Zenlens® Advanced Peripheral System (APS) with Quad-Sym technology.

The Zenlens® APS offers a gradual and generous landing zone, which **can be adjusted in 30-micron steps in all four quadrants of the lens edge** independently using Quad-Sym technology. This is especially useful given that most patients have asymmetrical scleras.

QUAD-SYM TECHNOLOGY





With this adjustable multi-curve system, you can **create an accurate landing** on the sclera and **reduce instances of:**

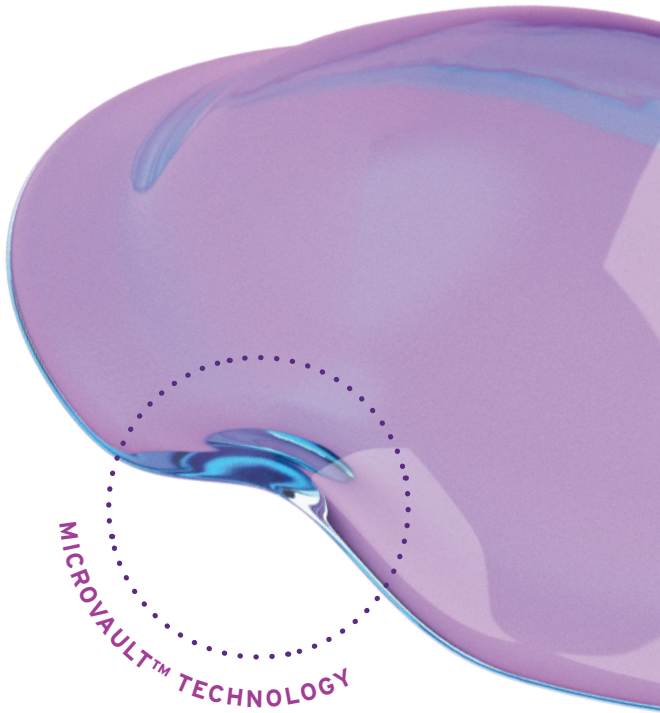
- COMPRESSION
- IMPINGEMENT
- AIR BUBBLES
- CONJUNCTIVAL IMPRESSION RINGS

MicroVault™ technology

MicroVault™ technology specifically accommodates for pinguecula or other peripheral elevations that may be irritated by a lens pressing against them. You only need to measure the size of the obstruction and locate it within the landing zone, and **MicroVault™ technology will create a flute or ripple in the lens that vaults over the obstruction precisely.**

- Flutes or ripples are created using CAD/CAM technology instead of traditional hand-notching
- MicroVault™ technology can be applied to any Zenlens® design that has stabilization

MicroVault™ technology can also be specified inside of the lens (not at the edge), if required. Consultation can assist in these cases

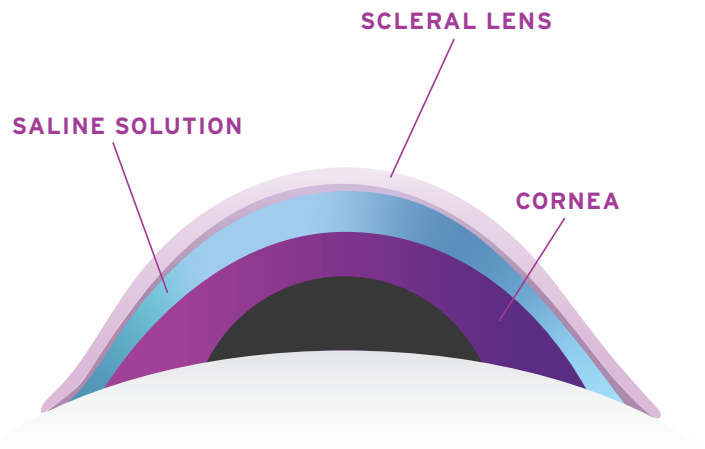


Ocular surface disease management

The Zenlens® scleral design, which vaults over the cornea and lands on the sclera, may be helpful for managing the symptoms of patients with ocular surface diseases, including moderate-to-severe dry eye.

Because of the scleral design, upon application, preservative-free saline and the patient's tears stay trapped inside the lens chamber. **This layer of moisture helps to keep the cornea hydrated.**

For patients who are intolerant of traditional soft contact lenses, this vision-correction option offers possible relief from dryness.



VISIT BAUSCHSVP.COM FOR IMPORTANT SAFETY INFORMATION.