



Zenlens[®]
scleral lenses

MAKE EVERY FIT STRAIGHTFORWARD¹
3-STEP IN-PRACTICE INSTRUCTIONS

BAUSCH+LOMB

MEASURE THE PATIENT'S HORIZONTAL VISIBLE IRIS DIAMETER (HVID) TO CHOOSE A LENS DIAMETER

- **If HVID is 11.7 mm or less**, the 14.8-mm or 16.0-mm diameter lens is recommended
- **If HVID is greater than 11.7 mm**, the 15.4-mm or 17.0-mm diameter lens is recommended

CHOOSE A LENS SHAPE BASED ON THE PATIENT'S CORNEAL SHAPE²

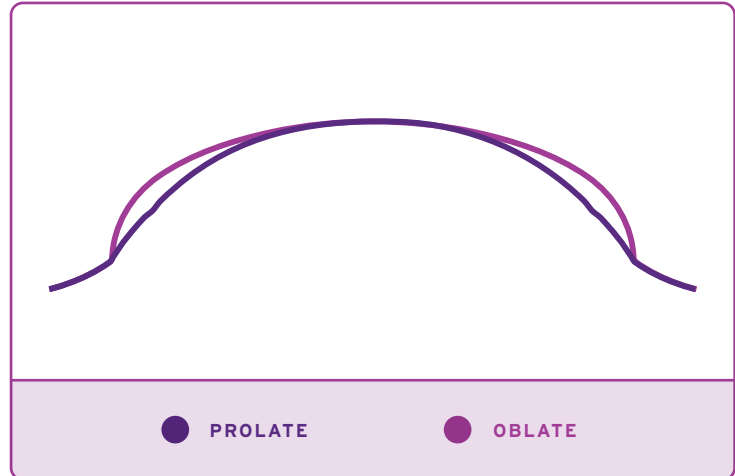
While the SAGs in both geometries are identical, the oblate lenses have a flatter base curve. Choose an oblate lens when a patient's apex is in the mid-periphery instead of the center of the cornea.

YOU MAY USE THE PROLATE DESIGN FOR PATIENTS WITH:

- Keratoconus

YOU MAY USE THE OBLATE DESIGN FOR PATIENTS WITH:

- Postgraft
- Post refractive surgery
- Corneal marginal degenerations



CHOOSE THE APPROPRIATE DIAGNOSTIC LENS

SUGGESTED STARTING LENSES BASED ON DIAMETER, CORNEAL SHAPE, AND FIT SET DESIGN²:

- **14.8-mm**: 14.8 Z2
- **15.4-mm**: 15.4 Z9
- **16.0-mm prolate**: 16.0 Z2 or ZT2*
- **16.0-mm oblate**: 16.0 Z14 or ZT14*
- **17.0-mm prolate**: 17.0 Z9 or ZT9*
- **17.0-mm oblate**: 17.0 Z21 or ZT21*

*ZT refers to toric APS fit set.



SPHERICAL FIT SET

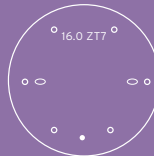


TORIC FIT SET

CONFIRM LENS DIAMETER

EVALUATE LIMBAL DRILL DOT POSITION

When the lens is manually centered, limbal drill dots should align within 0.5 mm of the limbus.



TIPS:

- If you are having difficulty identifying the limbal dots, add fluorescein to the front of the lens to help them stand out.
- Apply lens with the black drill dot at 6:00.

GOOD CLEARANCE AND SCLERAL ALIGNMENT COME FROM ASSESSING ALL OF THE FOLLOWING ELEMENTS²

Note: Clearances shown are target clearances shortly after lens insertion. Make adjustments to achieve target clearances based on your initial clearance observations. For more assessment tips, see page 15 of the Zenlens® fitting guide.

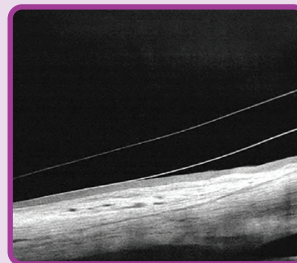


PROPER CENTRAL VAULT²

The central clearance should represent a **1:1 ratio between the diagnostic lens and the saline chamber.**²

The central thickness (CT) of each diagnostic lens based on diameter is:

- **14.8-mm and 15.4-mm lenses:** 250 microns
- **16.0-mm and 17.0-mm lenses:** 350 microns*



LIMBAL CLEARANCE²

The limbal clearance should be **between 75 and 125 microns for all diameters.**

An OCT image may be helpful to gain an accurate measurement of limbal clearance.²

*After 3-4 hours, a fully settled lens should be 100-150 microns less than initial central clearance.²

SCLERAL ALIGNMENT³

- **Assess each quadrant of the lens to identify any edge lift, blanching, or impingement.**
- **You may need to utilise a toric APS to ensure proper landing of the lens on the sclera.**
 - Toric APS lenses contain 180 microns of toricity (flat 3, steep 3—each step is 30 microns)
 - When observing the toric APS lens on the eye, document the axis of the hash marks (flat meridian) to share with consultation
- **All lenses can be ordered flatter or steeper.⁴**

If you observe decentration, consider using a Bi-Elevation™ design.^{2,3}



Scan code to see the Bi-Elevation™ fitting guide for more details.

FINALIZE THE PRESCRIPTION BY PERFORMING AN OVER-REFRACTION²

- If cylinder is present in the over-refraction, or if you don't obtain best-corrected visual acuity once the over-refraction is completed, perform keratometry over the lens to check for lens flexure. Contact your fitting consultant for support.²
- If you are considering utilizing front toric or multifocal optics and ordering a lens with a toric APS, use a toric APS diagnostic lens from your fitting set and note rotation.

Keep in mind that all diagnostic lenses are -2.00D SPH

Is the lens flexing?	Is the landing zone alignment uniform in the primary meridians?	Solution
YES	YES	Request Flex Control Factor of 1 Adds 100 microns of thickness
YES	NO	Request Toric APS Flatten or steepen APS by different amounts in each meridian
NO	YES	Request Front Toric Rx Design Offers dual elliptical stabilization
NO	NO	Request Toric APS Document the lens rotation. Perform new OR if cylinder is still present; order front toric design with toric APS

**BE SURE TO HAVE RX,
ADD POWERS, AND
HVID (IF AVAILABLE)
READY TO GO
WHEN YOU PLACE
YOUR ORDER!**

You can specify the necessary contact lens prescription or have our consultants calculate it for you from the over-refraction.

ZENLENS® SCLERAL LENS MARKINGS⁵



DX SPHERICAL APS

- Six evenly spaced limbal drill dots at the beginning of the landing zone (LCC)
- Laser-etched Dx number for positive ID



DX TORIC APS

- Six limbal drill dots at the beginning of the landing zone (LCC)
- Two hash marks at 0° and 180° meridian
- Black limbal drill dot at 270° base
- Laser-etched Dx number for positive ID

All diagnostic lenses are -2.00D SPH

Lens thickness is 250 microns for 14.8-mm and 15.4-mm lenses

Lens thickness is 350 microns for 16.0-mm and 17.0-mm lenses

When the lens is manually centered, limbal drill dots should align within 0.5 mm of the limbus

IF YOU'RE HAVING TROUBLE SEEING THE LIMBAL DRILL DOTS, ADD FLUORESCIN TO THE FRONT SURFACE OF THE LENS



RX SPHERICAL APS

- Black limbal drill dot on right lens OD (shown)
- No limbal drill dots on left lens
- Laser-engraved ID at 90° matches the order number



RX TORIC APS

- Two hash marks at 0° and 180° meridian will align to the corresponding axis of scleral toricity on the eye
- Black limbal drill dot at 270° base on right lens (shown)
- Two black limbal drill dots at 270° base on left lens
- Laser-engraved ID at 90° matches the order number

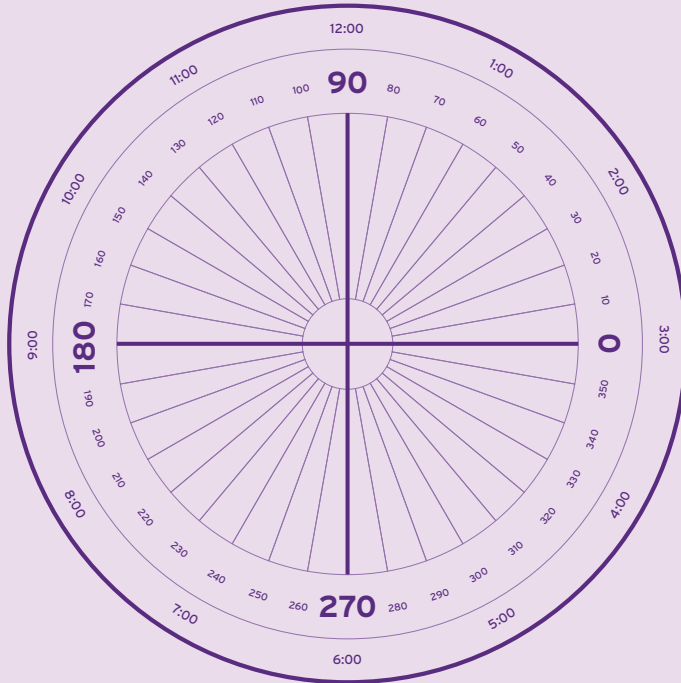


RX FRONT TORIC

- Two hash marks at 0° and 180° meridian
- Black limbal drill dot at 270° base on right lens (shown)
- Two black limbal drill dots at 270° on left lens
- Laser-engraved ID at 90° matches the order number

Right lenses end in 10 | Left lenses end in 20

ZENLENS® AXIS WHEEL



**REFERENCE THE ZENLENS® AXIS WHEEL
WHEN NOTING LENS ROTATION AND
DESIGNING LENSES WITH:**

- MicroVault™ technology^{4,6}
- Multifocal optics^{4,6}

**FOR TECHNICAL SUPPORT, QUERIES
AND TO PLACE AN ORDER:**



Call +44(0)1424 457900

Monday through Thursday, from 8:30
to 18:00, and Friday from 8:30 - 17:00



**Email your questions anytime to
RGPSUPPORT@bausch.com**



**Email your order anytime to
RGPORDERS@bausch.com**

References:

1. Shone, Thomas. Survey Monkey, US, US, 2017, pp. 1-15, Zenlens Market Survey.
2. Barnett Melissa and Lynette K Johns. Contemporary Scleral Lenses: Theory and Application. Bentham Science 2017.
3. Bi-Elevation™ support document
4. Creighton, Charley, and Bernard Hallatt. 2018, pp. 1-6, Lens Design Report ZL 09182018 - Zenlens Alden Optical 16 & 17mm.
5. Memo - Zenlens Markings Signed
6. Creighton, Charley, and Bernard Hallatt. 2018, pp. 1-6, Lens Design Report ZR 09182018 - Zen RC Alden Optical 14.8 & 15.4mm.

Please read the instructions for use (IFU) for important product use and safety information.

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