



1

Collect Patient Data

- Corneal Topography (or flat and steep keratometry readings)
- Horizontal Visible Iris Diameter (HVID)
- Up-to-date spectacle Rx

2

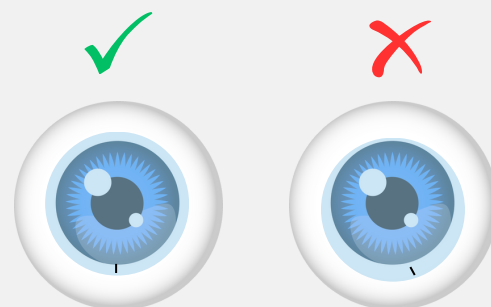
Determine the lens parameters

- Let us calculate the lens for you - **email consultation@ptsoptics.com.**
- OR use instructions and table on the back of this sheet.

3

Evaluate the lens

- Apply lenses and allow to settle for 20 minutes.
- Evaluate lens centration and rotation.
 - Edge of lens should extend 1.5 mm past limbus.
 - If lens is toric, marker should be at 6 o'clock.
 - If the lens is decentering or toric marker is rotated >30 degrees, **contact consultation.**
- Check binocular and monocular visual acuity for both distances to ensure VA is within two lines of best corrected visual acuity (BCVA).
 - if VA is within two lines of BCVA, dispense lens.
 - if VA is three lines or worse than BCVA, perform over-refraction and **contact consultation.**
 - Make sure to note rotation of toric marker, if applicable.
- Evaluate lens fit and VA again at two week follow up (patient should be wearing lens for at least six hours prior to evaluation).
 - if VA and lens fit are acceptable, finalize Rx and order lenses.
 - if VA and/or lens fit are unacceptable (decentration, rotationally unstable, etc.), **contact consultation.**





Lens Parameter Calculation

Diameter

- Add 3.00 mm to the HVID to get the lens diameter.

Base Curve

- Use Average K-reading and HVID to determine lens base curve based on charts below.*

	Average K-reading (mm)															
HVID (mm)		7.10	7.15	7.20	7.25	7.30	7.35	7.40	7.45	7.50	7.55	7.60	7.65	7.70	7.75	
	10.50-10.99	7.40					7.70									8.00
	11.00-11.49	7.40	7.70							8.00						
	11.50-11.99	7.70					8.00							8.30		
	12.00-12.49	8.00								8.30						
	12.50-13.00	8.00		8.30								8.60				

	Average K-reading (mm)														
		7.80	7.85	7.90	7.95	8.00	8.05	8.10	8.15	8.20	8.25	8.30	8.35	8.40	8.45
HVID (mm)	10.50-10.99	8.00								8.30					
	11.00-11.49	8.00		8.30								8.60			
	11.50-11.99	8.30							8.60						8.90
	12.00-12.49	8.30	8.60							8.90					
	12.50-13.00	8.60			8.90							9.20			

*If corneal eccentricity is 0.2 or less (steep shape), subtract 0.3 mm from the suggested base curve. If corneal eccentricity is 0.7 or more (flat shape), add 0.3 mm to the suggested base curve.

Power

- Vertex adjust spectacle Rx in both meridians to determine lens power.

