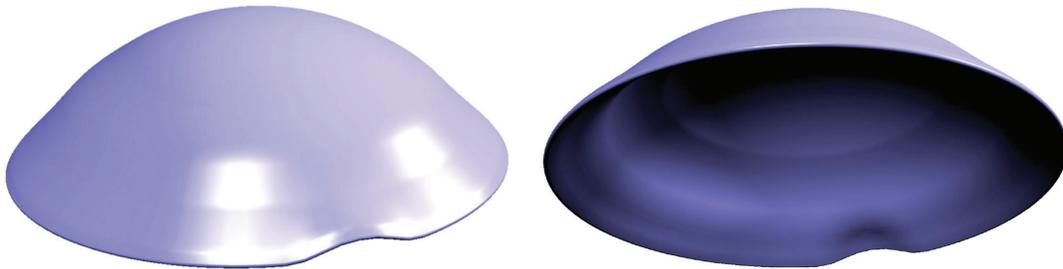




Zenlens™ scleral lens with MicroVault™ technology is an innovation for dealing with pingueculae or other peripheral elevations that might otherwise interfere with a proper landing on the sclera. The MicroVault creates a precisely designed flute or ripple in the edge of Zenlens to vault it up and over the peripheral obstruction.



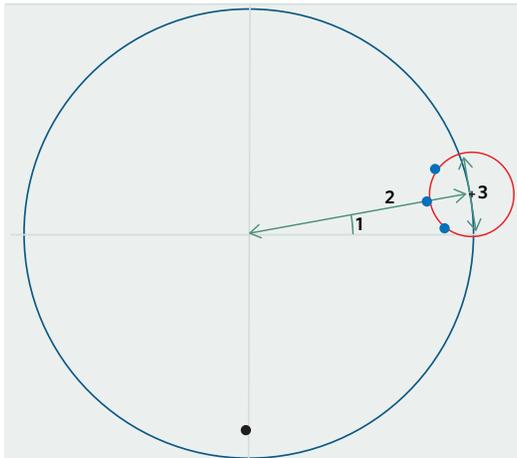
Instead of using traditional hand-notching, MicroVault is designed and manufactured using CAD/CAM technology for precision and reproducibility.

MicroVault can be applied to any Zenlens design that has stabilization (lenses need rotational stability).

- Zenlens with Toric PCs
- Zenlens with Front Toric and Dual Elliptical Stabilization™
- Zenlens with Toric PCs and Front Toric Optics

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

## Defining the MicroVault Prescription



The example above: Axis 10°, Decentration 8 mm, and Width 3 mm; Three Drilled Dots (shown in blue) help identify the position of the MicroVault: one point at the apex, and two points 45° from apex; One Drilled Dot (black) at 270° base, blackened, for easier patient insertion.

<b>1-Axis</b>	The optical axis location of the center of the MicroVault relative to the center of Zenlens, presumably close to 0° or 180° depending on which eye is being fit and whether MV is to be nasal or temporal. May depend on the axis and orientation of the Toric PCs.
<b>2-Decentration</b>	Distance from the center of Zenlens to the center of the MicroVault. If you want the maximum clearance point of MicroVault to be right at the lens edge, this will be half the lens diameter, i.e., decentration of 8 mm on a 16 mm Zenlens or 8.5 mm on a 17 mm lens.
<b>3-Width</b>	Equal to the width of the MicroVault.
<b>Depth</b> (not shown)	The Sagittal Depth of the MicroVault—how high the apex of the vault is above the ocular surface (up to 500 microns).

To apply MicroVault to a lens that does not need Toric PCs nor Front Toric Optics, prescribe Zenlens with Front Toric and Dual Elliptical Stabilization™ and specify plano cylinder power.