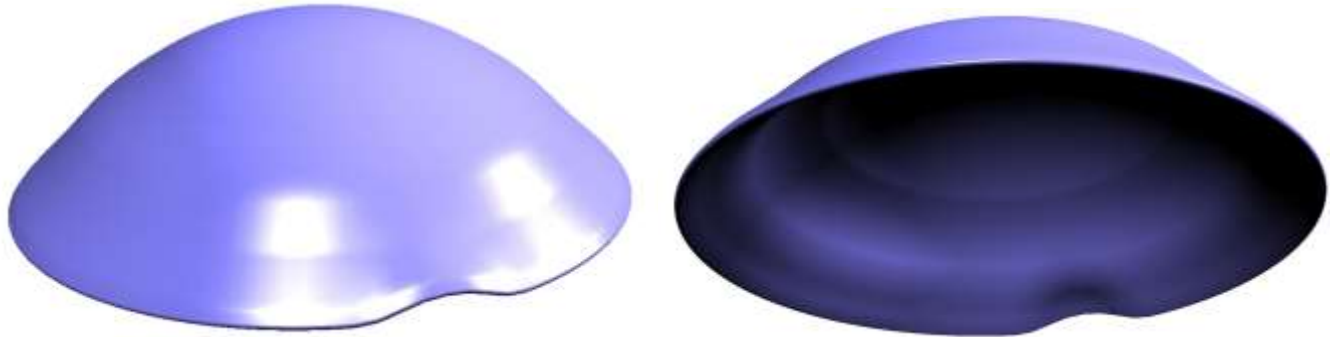




Zenlens MicroVault

Zenlens MicroVault is the latest scleral lens 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 the Zenlens to vault it up and over the peripheral obstruction.

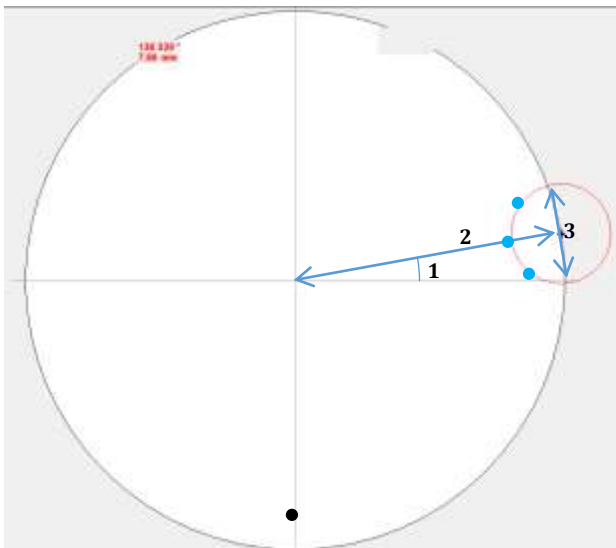


MicroVault is designed and manufactured with CAD/CAM technology, and has superior precision and reproducibility than traditional hand-notching.

Micro Vault can be applied to any Zenlens design that has stabilization (lenses need rotationally stable).

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

Defining the MicroVault Prescription



1-Axis	The optical axis location of the center of the MicroVault relative to the center of the 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
2-Decentration	Distance from the center of the 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.
3-Width	Equal to the width of the MicroVault.
4-Depth	The Sagittal Depth of the MicroVault—how high the apex of the vault is above the ocular surface (up to 500 microns).

The example above: Axis 10°, Decentration 8mm, and Width 3mm
3 Drilled Dots (shown in blue) help identify the position of the MicroVault; 1 point at the apex, and 2 points 45° from apex
1 Drilled Dot (black) at 270 base, blackened, for easier patient insertion

