






















# Ocular Landers Vitrectomy Lens Ring System

<b>Set Product Codes</b>		Journal Reference for Rings: Ophthalmic Surgery and Lasers Vol. 27, No. 10, p. 891, October 1996	<i>Designed With:</i> <i>Maurice B. Landers, III, M.D.</i> <i>Chapel Hill, NC</i>
OLVS-3			
OLVS-3N			




## Lenses

	Product Code/ Lens Name	Image Mag	Static FOV	Description	
	<b>OLV-2</b> Landers Biconcave Lens	0.80x	25°	83D biconcave lens facilitates viewing the fundus in an air-filled vitreous cavity in phakic and pseudophakic eyes.	
	<b>OLV-3</b> Machemer Magnifying Lens	1.49x	30°	For detailed examination and minute surgical manipulation of retinal membranes in phakic and pseudophakic eyes.	
	<b>OLV-4</b> Peyman Wide Field Lens	0.49x	48°	Concave anterior surface facilitates a 48° field of view when visualizing the central posterior pole and central vitreous in phakic and pseudophakic eyes.	
	<b>OLV-5</b> Machemer Flat Lens	1.02x	36°	Plano anterior surface affords a 36° field of view of the central posterior pole and vitreous in phakic and pseudophakic eyes. This lens is ideal for photography.	
	<b>OLV-5SR</b> Machemer Plus Lens <i>(not in set)</i>	1.02x	36°	Includes (1) OLV-5 and (1) OLV-1S Refer to individual component descriptions.	
	<b>OLV-6</b> Tolentino 20° Prism Lens	1.02x	36°	Provides visualization of the posterior peripheral fundus and vitreous in phakic, aphakic and pseudophakic eyes.	
	<b>OLV-7</b> Tolentino 30° Prism Lens	1.02x	33°	Provides visualization of the posterior peripheral fundus and vitreous beyond the equator with minimal distortion in phakic, aphakic and pseudophakic eyes.	
	<b>OLV-8</b> Landers 50° Prism Lens <i>(not in set)</i>	1.02x	22°	Allows visualization for vitrectomy and endophotocoagulation procedures in the far peripheral retina in phakic and pseudophakic eyes.	
	<b>OLV-9</b> Woldoff Prismatic Biconcave Lens	0.40x	18°	Designed to allow a clear view of the retinal periphery in the gas or air-filled phakic or pseudophakic eye. Very useful for laser endophotocoagulation in the periphery, or for visualizing the cannulated extrusion needle through a peripheral retinal break in the gas-filled phakic or pseudophakic eye.	
	<b>OLV-OC</b> Landers Occluder	NA	NA	Fits precisely in Lens Ring and protects the macula from inadvertent light/photo damage.	

## Forceps

	Product Code/ Lens Name	Description
	<b>OLV-FCP</b> Landers Lens Forceps	Simplifies placement and removal of vitrectomy lenses used with suture down rings.

## Rings

	Product Code/ Lens Name	Description
	<b>OLV-1</b> Landers Vitrectomy Lens Ring (Included in set OLVS-3)	Stainless steel ring with two suture down struts.
	<b>OLV-1/TN</b> Landers Tall Notched Vitrectomy Lens Ring (Included in set OLVS-3N)	This stainless steel ring is centered on the cornea. Notches are designed in the top of the ring for suture placement in the sclera. It makes scleral depression easier when operating in the region of the vitreous base. This scleral depression is an increasingly useful way of operating on proliferative vitreoretinopathy, with anterior loop traction, and also of operating on anterior fibrovascular proliferation, as often occurs in diabetic patients. Height is 3.2mm.
	<b>OFV-4</b> Foxman Vitrectomy Lens Ring	4 down struts. Requires no sutures. Designed for use with a 25g cannula <b>Technique</b> § Place ring on eye. § Mark sclera for the two superior cannulas using the 3 & 4mm markings on the ring. § Remove ring. Insert cannulas. § Replace ring.







## Design

- § The Ocular Landers quartz Vitrectomy Lens Ring System is available with your choice of the Ocular Landers Vitrectomy Lens Ring with two suture struts (Set Product Code OLVS-3), or the Ocular Landers Tall Notched Vitrectomy Lens Ring with three suture notches (Set Product Code OLVS-3N), and includes the Ocular Landers Occluder, seven vitrectomy lenses, Ocular Lens Forceps, and an autoclavable Ocular Vitrectomy Lens Case (OVL-C3) with laser labeled lens tray.
- § All items are also available individually.

## Technique

- § The Landers Vitrectomy Ring is designed to be positioned with the cornea geometrically centered within the Ring.
- § Sutures are then placed into the sclera adjacent to the limbus and tied over each scleral strut. *The Landers Tall Notched Vitrectomy Ring utilizes notches in the top of the ring for suture placement on the sclera.*
- § Care should be taken so the sutures are not too tight.
- § The well created by the ring is then filled with methylcellulose or visco-elastic material.
- § The desired lens is then selected and placed into the ring with the Landers Forceps.

## Other Rings Available Separately

	Product Code/ Lens Name	Description
	<b>OLV-1IR</b> Landers Irrigating Vitrectomy Lens Ring	Stainless steel ring features an irrigation port. Sutures secure the two struts to the sclera, which allows blood to be irrigated away and keeps the cornea moist.
	<b>OLV-1/IN</b> Landers Notched Irrigating Lens Ring	This stainless steel ring is an irrigation version of OLV-1/TN. Height is 3.2mm. 3 notches for sutures.
	<b>OLV-1S</b> Landers Silicone Ring	Can be used with any Landers System Lens. It allows the surgeon to change lens positions to obtain the optimum viewing angle. Useful when using a prismatic lens for peripheral vitrectomy procedures. (4 per pack)
	<b>OLV-1/4P</b> Landers 4 Post Vitrectomy Lens Ring	Two sutures placed over one post on each side hold this ring on the eye. Either post can be selected to center the ring over the patient's pupil.
	<b>OPV-R</b> Pediatric Vitrectomy Lens Ring	Smaller version of the OLV-1. Included in the Ocular Pediatric Vitrectomy Lens Set described in Surgical Lenses section in the catalog.
	<b>OTN-R</b> Tano Vitrectomy Lens Ring	4 upright tabs. Requires only 1 circumferential suture allowing for easy repositioning and removal.
<b>Note</b>	See product sheet 5971, "Ocular Vitrectomy Lens Rings" for individual lens ring care instructions.	

## Cleaning & Disinfection

See Cleaning Method 3



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