

## TECHNICAL LENS SPECIFICATIONS

LENS	MIRROR ANGLE	MAGNIFICATION	LASER SPOT MAG.
SuperQuad 160	160° / 165°	0.5x	2.0x
H-R Wide Field	160° / 165°	0.5x	2.0x
TransEquator	110° / 132°	0.7x	1.44x
QuadPediatric	100° / 120°	0.55x	1.82x
PDT	115° / 137°	0.67x	1.5x
Area Centralis	70° / 84°	1.06x	0.94x
Super Macula 2.2	60° / 78°	1.49x	0.67x
QuadrAshperic	120° / 144°	0.51x	1.97x
Equator Plus	114° / 137°	0.44x	2.27x
H-R Centralis	74° / 88°	1.08x	0.93x

### CONTACT OPTIONS

**Flanged** versions provide optimal stability on the cornea during laser procedures.

**No flange (NF)** versions have a smaller corneal contact area than flanged versions. It is still necessary to use a contact fluid with these versions.

**ANF+ flanged** version is designed to provide optimal stability without the need for a contact fluid. During diagnosis, it may be beneficial to utilize a lubricating fluid for patient comfort.

### CARING FOR YOUR LASER LENSES

Rinse your lens with warm water and gently clean the lens surface with a mild, pH neutral detergent and non-abrasive cloth. Dry lens with a low-lint, soft cotton towel. Always be sure to rub the lens in a clockwise direction to prevent the glass element from loosening over time.

Volk Precision Optical Lens Cleaner (POLC) or a Volk Lens Pen can be used to clean the glass element (do not use these agents on surfaces that contact the eye).

For more details, visit our online cleaning and care guide:

<https://volk.com/cleaning-and-care>



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## RETINA LASER LENSES



FLAWLESS OPTICS  
Unmatched Precision

# True Wide Field Viewing

Distortion free visualization across the entire field of view from the **POSTERIOR POLE, ALL THE WAY OUT TO THE ORA SERRATA**

*"I really like the size of the H-R wide field as I can manipulate the lens without making a lot of hand movements and it allows me to go all the way near the ora serrata."*

— **RAJESH C. RAO, MD**  
Assistant Professor, Ophthalmology & Visual Sciences, Pathology  
University of Michigan



## Peripheral Retina Breaks & Tears

World class optics designed to deliver crystal-clear visualization and precise delivery of laser energy for treating the retina.



### SuperQuad® 160 | PRP

Synonymous with PRP treatment, the SuperQuad allows wide field viewing all the way out to the ora serrata for detailed examination and treatments

Available with Flange, No Flange



### H-R Wide Field | PRP

All the wide field imaging power of the SuperQuad packed into half the size, providing stunning wide field views of the retina for diagnosis and PRP treatments. Newer generation low-dispersion glass minimizes chromatic aberrations, ensuring superior visualization

Available with Flange



### TransEquator® | PRP, Focal/Grid

With detailed views out to the equator, the TransEquator offers the perfect balance whether you are treating retinal tears at the mid-periphery or performing focal/grid laser procedures at the posterior pole

Available with Flange, No Flange, ANF+



### Quad Pediatric | PRP

Specially designed with a miniaturized contact element, this lens provides optimal stability and patient comfort during diagnosis and treatment of pediatric populations, while providing wide field visualization. This lens can also be used on patients with small palpebral fissures and is ideal for ROP

Available with Flange



### PDT Lens | Photodynamic Therapy

Specialized for use in conjunction with 689 nm lasers employed for photodynamic therapy (PDT) to treat retinal neovascularizations, tumors, etc.

Available with Flange

## Macula Treatment

Unmatched Resolution and high magnification needed for detailed examination and treatment



### Area Centralis® | Focal/Grid Treatment

Experience detailed, high magnification views of the posterior pole, ideal for general examination and administering laser treatment

Available with Flange, No Flange, ANF+



### Super Macula® 2.2 | Focal/Grid Treatment

With the highest magnification in the retina laser lens range, this lens provides excellent detail and distortion free imaging for critical examination of the optic nerve head and macular pathologies. The flange is designed to provide optimum stability and control on the cornea needed to manipulate the tall lens body

Available with Flange

## Small Pupil Capability

Experience bright, wide field imaging even through pupils as small as 2-3 mm. These lenses are perfect for patients who are non-responsive to dilation or when dilation is a risk (glaucomatous patients).



### QuadrAspheric® | PRP

Wide field imaging out to the peripheral retina with high definition imaging that is perfect for diagnosis and treatment for patients with limited dilation

Available with Flange, No Flange, ANF+



### Equator Plus® | PRP

Wide field imaging and small pupil capability built into an ergonomic, smaller lens body designed for more freedom of maneuverability within the orbit and a perfect choice for patients with deep-set eyes

Available with Flange, No Flange



### H-R Centralis | Focal/Grid Laser Treatment

This lens offers detailed, high magnification views of the posterior pole for performing Focal/Grid Laser procedures. Building on the optical capabilities of the Area Centralis, the H-R Centralis is enhanced with small pupil capabilities and fabricated using a high grade, low dispersion glass offering high resolution views of the peripheral retina.

Available with Flange

*"I am very happy with the H-R wide field lenses and use them for all my PRP procedures. The ergonomics of this lens gives the advantage of the SuperQuad but the size makes it very easy to use in patients with deep sockets, prominent supraorbital ridge and highly recommend this lens for PRP procedures."*

— **NAZIMUL HUSSAIN, MBBS**  
Vitreoretinal Specialist, Department of Ophthalmology  
Mediclinic Parkview Hospital, Dubai, UAE

