Creating Solutions to Save Sight

MAXFIELD® BINOCULAR INDIRECT OPHTHALMOSCOPY (BIO) LENS COMPARISON CHART

MaxField® Glass Indirect Lenses feature our Laserlight® **HD** (High Definition) anti-reflective coating. The Laserlight® HD coating is the finest coating available providing enhanced digital imaging of retinal pathology. Dramatically reduced glare and reflections (50-80%) beyond that of traditional anti-reflective coatings. Maximizes image clarity, brightness, and color contrast during visible and diode laser procedures.

OCULAR PRODUCT DESCRIPTION	VOLK (GLASS) PRODUCT DESCRIPTION	OCULAR IMAGE MAG	VOLK IMAGE MAG	OCULAR STATIC FIELD	VOLK STATIC FIELD	OCULAR DYNAMIC FIELD	VOLK DYNAMIC FIELD	OCULAR LASER SPOT MAG FACTOR	VOLK LASER SPOT MAG FACTOR	OCULAR WORKING DISTANCE	VOLK WORKING DISTANCE
MaxField® 14D	14D Digital ClearMag	4.17x	4.30x 3.89x	38°	36° 38°	---	---	.24x	.23x .26x	72mm	75mm 60mm
MaxField® 18D	---	3.40x	---	44°	---	---	---	.29x	---	55mm	---
MaxField® 20D	20D	2.97x	3.13x	50°	46°	---	---	.34x	.32x	47mm	50mm
MaxField® 20D Small	---	2.97x	---	40°	---	---	---	.34x	---	47mm	---
MaxField® 22D	Pan Retinal® 2.2 Digital ClearField	2.73x	2.68x 2.79x	60°	56° 55°	---	---	.37x	.37x .36x	39mm	40mm 37mm
MaxField® 25D	25D	2.40x	2.54x	63°	52°	---	---	.42x	.39x	33mm	38mm
MaxField® 28D	28D	2.11x	2.27x	58°	53°	---	---	.47x	.44x	27mm	33mm
MaxField® 30D	30D	1.97x	2.15x	63°	58°	---	---	.51x	.47x	26mm	30mm
MaxField® 35D	---	1.71x	---	74°	---	---	---	.58x	---	17mm	---
MaxField® 40D	40D	1.49x	1.67x	82°	69°	---	---	.67x	.60x	14mm	20mm

Our Guarantee

At Ocular Instruments, we take great pride in our reputation for manufacturing the world's highest quality ophthalmoscopic lenses. If, for any reason, an Ocular Instruments product does not meet your requirements or expectations, you can return it to us within 30 days of purchase for a full refund.

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Creating Solutions to Save Sight

MAXFIELD® SLIT LAMP INDIRECT OPHTHALMOSCOPY LENS COMPARISON CHART

MaxField® Glass Indirect Lenses feature our Laserlight® **HD** (High Definition) anti-reflective coating. The Laserlight® HD coating is the finest coating available providing enhanced digital imaging of retinal pathology. Dramatically reduced glare and reflections (50-80%) beyond that of traditional anti-reflective coatings. Maximizes image clarity, brightness, and color contrast during visible and diode laser procedures.

OCULAR PRODUCT DESCRIPTION	VOLK (GLASS) PRODUCT DESCRIPTION	OCULAR IMAGE MAG	VOLK IMAGE MAG	OCULAR STATIC FIELD	VOLK STATIC FIELD	OCULAR DYNAMIC FIELD	VOLK DYNAMIC FIELD	OCULAR LASER SPOT MAG FACTOR	VOLK LASER SPOT MAG FACTOR	OCULAR WORKING DISTANCE	VOLK WORKING DISTANCE
MaxField® 54D	Digital High Mag®	1.10x	1.30x	86°	57°	137°	70°	.90x	.77x	10mm	13mm
MaxField® 60D	60D Digital 1.0x Imaging	1.00x	1.15x 1.00x	85°	68° 60°	154°	81° 72°	1.00x	.87x 1.00x	10mm	13mm 12mm
MaxField® 66D	Super 66®	.91x	1.00x	91°	80°	144°	96°	1.10x	1.00x	8mm	11mm
MaxField® 72D	---	.83x	---	102°	---	155°	---	1.20x	---	7mm	---
MaxField® High Mag 78D	78D	.98x	.93x	88°	81°	154°	97°	1.02x	1.08x	10mm	8mm
Osher MaxField® 78D	Super Field®	.77x	.76x	98°	95°	155°	116°	1.30x	1.30x	7mm	7mm
MaxField® 84D	Digital Wide Field®	.71x	.72x	105°	103°	158°	124°	1.40x	1.39x	5mm	5mm
MaxField® Standard 90D	90D	.75x	.76x	94°	74°	153°	89°	1.34x	1.32x	5mm	7mm
MaxField® Standard 90D with Large Ring	---	.75x	---	94°	---	153°	---	1.34x	---	5mm	---
MaxField® 100D	Super VitreoFundus®	.60x	.57x	110°	103°	146°	124°	1.67x	1.75x	4mm	4mm
MaxField® 120D	---	.50x	---	120°	---	173°	---	2.00x	---	4mm	---
Ultra View SP 132D	Super Pupil® XL	.45x	.45x	99°	103°	158°	124°	2.22x	2.20x	4mm	4mm

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RETINA LENS COMPETITIVE COMPARISON CHART

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Volk(V1)

PRODUCT		IMAGE MAG	LASER SPOT MAG	STATIC FOV	DYNAMIC FOV	PRODUCT	IMAGE MAG	LASER SPOT MAG	STATIC FOV	DYNAMIC FOV
OMRA-PRP-165 OMRA-PRP-165-2	Ocular Mainster PRP 165 HD (High Definition) Coating	.51x	1.96x	165°	180°	Super Quad® 160 H-R Wide Field	.50x .50x	2.00x 2.00x	160° 160°	165° 165°
OMRA-WF OMRA-WF-2	Ocular Mainster Wide Field HD (High Definition) Coating	.68x	1.50x	118°	127°	PDT Laser Lens Trans Equator®	.67x .70x	1.50x 1.44x	115° 110°	137° 132°
OMRA-WFEX	Ocular Mainster Wide Field EX HD (High Definition) Coating	.64x	1.56x	138°	157°	PDT Laser Lens Trans Equator®	.67x .70x	1.50x 1.44x	115° 110°	137° 132°
OPDT OPDT-2	Ocular PDT 1.6x	.63x	1.60x	120°	133°	PDT Laser Lens	.67x	1.50x	115°	137°
OPR-120 OPR-120-2	Ocular ProRetina 120 PB HD (High Definition) Coating	.50x	2.00x	120°	136°	QuadrAspheric®	.51x	1.97x	120°	144°
ORMR-1X ORMR-1X-2	Ocular Reichel-Mainster 1X HD (High Definition) Coating	.95x	1.05x	102°	133°	H-R Centralis	1.08x	.93x	74°	88°
ORMR-1X-P	Ocular Pediatric Reichel-Mainster 1X HD (High Definition) Coating	1.08x	.93x	98°	126°	Quad Pediatric	.55x	1.82x	100°	120°
ORMR-2X ORMR-2X-2	Ocular Reichel-Mainster 2X HD (High Definition) Coating	.50x	2.00x	117°	142°	Equator Plus®	.44x	2.27x	114°	137°
OMRA-S OMRA-S-2	Ocular Mainster Focal/Grid HD (High Definition) Coating	.96x	1.05x	90°	121°	Area Centralis®	1.06°	.94x	70°	84°
OMRA-HM OMRA-HM-2	Ocular Mainster High Mag	1.25x	.80x	75°	88°	Super Macula 2.2	1.49°	.67x	60°	78°

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MORE OCULAR INSTRUMENTS ADVANTAGES

SAFER -- Due to our superior optical design, we can use a larger spot size setting with our lens designs than Volk.

Ocular® Instruments PRODUCT	MAXIMUM SPOT SIZE (MICRONS)	Volk PRODUCT	MAXIMUM SPOT SIZE (MICRONS)
OMRA-PRP-165	275	Super Quad®	200
OMRA-WF	400	QuadrAspheric[3]	200
OMRA-S	NA	Trans Equator[3]	300
OMRA-HM	NA	Area Centralis	NA
OPR-120	200	NONE	

[3] Quote from Volk literature: "To avoid excessive laser energy at the crystaline lens, laser spot size settings greater than 200 microns for the QuadrAspheric and greater than 300 microns for the Trans Equator are not recommended."

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WIDE ANGLE SURGICAL LENS SYSTEMS COMPARISON

Ocular Instruments					Volk (V1)			
PRODUCT	DESCRIPTION	IMAGE MAG	STATIC FOV	DYNAMIC FOV	PRODUCT	IMAGE MAG	STATIC FOV	DYNAMIC FOV
—	Ocular Wide Angle Surgical Systems	—	—	—	ROL Reinverter	—	—	—
OIVS2L	Inverter System for Leica (Wild) Microscope	—	—	—	VROLS-W	—	—	—
OIVS2Z	Inverter System for Zeiss and Zeiss Type Microscope	—	—	—	VROLS-Z	—	—	—
OLIV-WF	Landers Wide Field Vitrectomy Lens	0.38x	130°	146°	HRX Vit. MiniQuad ACS® MiniQuad XL®	.43x .48x .39x	130° 106° 112°	150° 127° 134°
OLIV-EQ-2	Landers Equatorial II Vitrectomy Lens	0.65x	101°	131°	Central Retinal ACS®	.71x	73°	88°
OWIV-HM	Woldoff High Magnification Vitrectomy Lens	0.90x	57°	100°	Super Macula	1.03x	64°	77°
OLIV-WFNA	Landers Non-Autoclavable Wide Field Vitrectomy Lens	0.38x	130°	146°	HRX Vit. MiniQuad® MiniQuad XL®	.43x .39x .39x	130° 106° 112°	150° 127° 134°
OLIV-EQNA	Landers Non-Autoclavable Equatorial II Vitrectomy Lens	0.65x	101°	131°	Central Retinal ACS®	.71x	73°	88°
OWIV-HMNA	Woldoff Non-Autoclavable High Magnification Vitrectomy Lens	0.90x	57°	100°	Central Retinal Super Macula®	.71x 1.03x	73° 64°	88° 77°
PRODUCT	DESCRIPTION	IMAGE MAG	STATIC FOV	DYNAMIC FOV	PRODUCT	IMAGE MAG	STATIC FOV	DYNAMIC FOV
OSVS	Ocular Landers Wide Angle Surgical Viewing Systems	—	—	—	<<NO EQUIVALENT>>	—	—	—
OSVS-U132-2	OSVS w/Peyman-Wessels-Landers 132D Upright Vitrectomy Lens	—	—	—	<<NO EQUIVALENT>>	—	—	—
OSVS-I132	OSVS w/132D Indirect Vitrectomy Lens	—	—	—	<<NO EQUIVALENT>>	—	—	—
OUV-132-2	Peyman-Wessels-Landers 132D Upright Vitrectomy Lens	.45x	100°	135°	<<NO EQUIVALENT>>	—	—	—
OIV-132	132D Indirect Vitrectomy Lens	.45x	99°	135°	Wide Angle ACS® Lens	.43x	102°	120°
					(V1) *As published in Volk literature*			

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SURGICAL LENS COMPARISON CHART

Ocular Instruments				Volk (V1)		
PRODUCT	DESCRIPTION	IMAGE MAG	STATIC FOV	PRODUCT	IMAGE MAG	STATIC FOV
OLVS-3 & OLVS-3N	Ocular Landers Vitrectomy Lens Ring System	—	—	Chalam Direct SSV® (ACS®) & Direct Image (ACS®) Lenses	—	—
OLV-2	Landers Biconcave	0.80x	25°	Chalam AFX SSV® (ACS)	.82x	30°
				Direct Image AFX (ACS)	.82x	30°
OLV-3	Machemer Magnifying	1.49x	30°	Chalam High Mag 1.5 SSV® (ACS)	1.5x	28°
				Direct Image High Mag 1.5 (ACS)	1.5x	28°
OLV-4	Peyman Wide Field	0.49x	48°	Chalam Mid Field SSV® (ACS)	.50x	40°
				Direct Image Mid Field (ACS)	.50x	40°
OLV-5	Machemer Flat	1.02x	36°	Chalam Flat SSV® (ACS)	.92x	30°
OLV-5SR	Machemer Flat w/Silicone Ring	1.02x	36°	Direct Image Flat (ACS)	.92s	30°
OLV-6	Tolentino 20° Prism	1.02x	36°	Chalam 15° Prism SSV® (ACS)	.90x	30° offset
				Direct Image 15° Prism (ACS)	.90x	30° offset
OLV-7	Tolentino 30° Prism	1.02x	33°	Chalam 30° Prism SSV® (ACS)	.90x	30° offset
				Direct Image 30° Prism (ACS)	.90x	30° offset
OLV-8	Landers 50° Prism	1.02x	22°	Chalam 45° Prism SSV® (ACS)	.90x	30° offset
				Direct Image 45° (ACS)	.90x	30° offset
OLV-9	Woldoff Prismatic Biconcave	0.40x	18°	<<NO EQUIVALENT>>	—	—
PRODUCT	DESCRIPTION	IMAGE MAG	STATIC FOV	PRODUCT	IMAGE MAG	STATIC FOV
OLVS-HRI	**Ocular Landers HRI Vitrectomy Lens Ring System**	—	—	<<NO EQUIVALENT>>	—	—
OLV-2-HRI	Landers Biconcave 90D	0.78x	28°	HR Direct Biconcave	1.0x	30°
OLV-3-HRI	Magnifying Lens	1.49x	34°	HR Direct High Mag	1.4x	20°
OLV-4-HRI	Wide Field Lens	0.58x	48°	<<NO EQUIVALENT>>	—	—
OLV-6-HRI	20° Prism Lens	0.58x	44°	HR Direct 20°	1.0x	40°
OLV-7-HRI	30° Prism Lens	0.58x	38°	<<NO EQUIVALENT>>	—	—
PRODUCT	DESCRIPTION	IMAGE MAG	STATIC FOV	PRODUCT	IMAGE MAG	STATIC FOV
—	**Ocular Disposable Vitrectomy Lenses**	—	—	**Disposable Vitrectomy Lenses**	—	—
ODVB	Biconcave	0.71x	25°	Bi-Concave	.80x	25°
ODVF	Flat	0.95x	36°	Flat	1.0x	36°
ODVM	Magnifying	1.40x	30°	Magnifying	1.5x	30°
ODVW	Wide Field	0.46x	48°	Wide Field	.50x	48°
ODV3P	30° Prism	0.95x	30°	30° Prism	1.0x	30° offset
				(V1) *As published in Volk literature*		

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