



MERLIN[®]

Surgical System



PRECISE ALIGNMENT

for non-contact
vitreoretinal visualization

Newly
REDESIGNED FOR MAXIMUM
Optical Alignment



**WHERE CLARITY, WIDE FIELD VIEW,
& Enhanced Performance Converge**

CLARITY Unmatched by Rivals

The Merlin lenses bring Volk's proprietary double aspheric lens technology into the OR, providing exquisite views of the retina with superior sharpness and depth of field.

ALIGNMENT Delivers Precision Every Time

- Precise alignment with the optical axis of the microscope
- Smooth, graduated rotation to optimally position the lens
- Intuitive fine focus adjustment

COMPACT Design Maximizes Working Space

A simple pivoting mechanism that folds away when not in use, occupying minimal space beneath the microscope.

PATIENT SAFETY Increased by Efficient Optical Design

Merlin's exclusive Condenser Lens Assembly:

- Automatically slides a condenser lens into the optical train when the Merlin is engaged
- Eliminates the need to refocus the microscope when switching from anterior to posterior viewing, reducing surgery time
- Significantly improves light transmission via anti-reflective coatings, reducing the risk of phototoxicity



“Merlin has always provided a very clear, ultra-wide field to examine the eye. Now, the Merlin moves the lens smoothly in and out of the surgical field, returning to the same position – every time. Confidence in the lens placement allows me to concentrate on the most important parts of surgery.”

—Suber Huang, MD

*President & CEO, Retina Center of Ohio
Former President of ASRS*



SEAMLESS Reinversion with the ROLS® ∞

- Automatically reinverts the surgeon's view when the Merlin is engaged
- Compatible with Volk's indirect contact surgical lenses in manual mode, and via foot pedal



3 OPTIONS Suit Your Lens Needs

All Merlin lenses are:

- Designed using Volk's proprietary double aspheric lens technology
- Made from PermaView™ glass, designed to withstand repeat steam sterilization without degradation
- Equipped with a hinge mechanism to ensure patient safety in case of accidental contact

WIDE ANGLE ACS® Lens

102°/120° **0.43x** **19 mm**
FIELD OF VIEW IMAGE MAG LENS DIAMETER

- Widest field of view, allowing visualization of the retina approaching the ora serrata
- Superior clarity and depth of field from the macula to the peripheral retina

MID-FIELD ACS® Lens

80°/95° **0.74x** **19 mm**
FIELD OF VIEW IMAGE MAG LENS DIAMETER

- Higher magnification lens for clearest views of the macula
- Intermediate field of view allows visualization to the equator

SMALL WIDE ANGLE ACS® Lens

95°/112° **0.42x** **13 mm**
FIELD OF VIEW IMAGE MAG LENS DIAMETER

- Smallest diameter lens, ideal for patients with small pupils or deep seated eyes, and pediatric cases
- Provides a very wide field of view, while maintaining superior clarity and depth of field

MERLIN®

SYSTEM Components

- Microscope Adapter Mounting Plate
- Condensing Lens Assembly (CLA)
- Lens Positioning Unit (LPU)
- Selection of High Resolution Lenses
- Sterilization Case
- Installation Manual

OUR Guarantee

Volk Optical warrants Merlin and ROLS ∞ against defects in materials or workmanship for a period of one year from receipt by end user.

YOUR Peace of Mind

We offer an extended service plan with complete Volk support that will ensure your Merlin® system is fully functional and in great shape. Please inquire for more information.

Additional information including technical specifications, safety information, and sterilization instructions are included in the installation manual.



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BRAND	MODEL	MERLIN® CLA MOUNTING HARDWARE	REINVERTER
Alcon	LuxOR	Alcon Mounting Kit (11732)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Haag-Streit / Möller-Wedel	Allegra 90	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Haag-Streit / Möller-Wedel	Allegra 590	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Haag-Streit / Möller-Wedel	Allegra 900	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Haag-Streit / Möller-Wedel	CooperVision	Moeller Wedel Mounting Kit (11410)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Haag-Streit / Möller-Wedel	Hi-R 900	Moeller Wedel Hi-R 900 Mounting Kit (12161)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Haag-Streit / Möller-Wedel	Hi-R 900 SL	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Haag-Streit / Möller-Wedel	Hi-R 900 SLA	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Haag-Streit / Möller-Wedel	EOS 900	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Haag-Streit / Möller-Wedel	Hi-R NEO 900	Moeller Wedel Hi-R 900 Mounting Kit (12161)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Haag-Streit / Möller-Wedel	Ophthalmic 900	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Haag-Streit / Möller-Wedel	Spectra 900	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Huvitz	HOM-700	Leica Mounting Kit (11409) & Vertical Spacing Kit (11425)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Inami	L-0980A	Inami Mounting Kit (11654)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Inami	L-0995AZ	DOES NOT MOUNT	ROLS (VROLS-Z)
Leica	M220	DOES NOT MOUNT	ROLS (VROLS-LX)
Leica	M500	Leica Mounting Kit (11409)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M501	Leica Mounting Kit (11409)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M520	Leica Mounting Kit (11409)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M525	Leica Mounting Kit (11409)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M620	Leica Mounting Kit (11409) & Vertical Spacing Kit (11425)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M650	Leica Mounting Kit (11409)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M651	Leica Mounting Kit (11409)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M655	Leica Mounting Kit (11409)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M690	Leica M690 Mounting Kit (12159)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M691	Leica 690 Mounting Kit for CLA (11481)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M695	Leica 690 Mounting Kit for CLA (11481)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M820	Leica M820/M840/M841/M844 Mounting Kit (12160)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M822	Leica M822 Mounting Kit (12171)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M840	Leica M820/M840/M841/M844 Mounting Kit (12160)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M841	Leica M820/M840/M841/M844 Mounting Kit (12160)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	M844	Leica M820/M840/M841/M844 Mounting Kit (12160)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Leica	Proveo 8	Leica Mounting Kit (11409) & Vertical Spacing Kit (11425)	ROLS∞ auto (11364) ROLS∞ manual (11315) ROLS (VROLS-L)
Prescott	OMNI-FLEX	Moeller Wedel Mounting Kit (11410)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Takagi	OM-8	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Takagi	OM-9	Takagi Mounting Kit (11412) & Takagi p/n O06-25	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Takagi	OM-18	Takagi Mounting Kit (11412)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Topcon	OMS-90	Topcon OMS-90 Mouting Kit (11947)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Topcon	OMS-600	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Topcon	OMS-610	Topcon Mounting Kit (11413)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Topcon	OMS-710	Topcon Mounting Kit (11413)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Topcon	OMS-800 Standard	Topcon Mounting Kit (11413)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Topcon	OMS-800 Pro	Topcon Mounting Kit (11413)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI 1	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI 6	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI 6-CFC	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI 6S	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI 6-SFC	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI 6-SFR	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI 6-CH	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI CS base w/ Retrolux CS optics	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI CS base w/ Retrolux 2 optics	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI CS base w/ Retrolux 3 optics	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI CS base w/ Retroskop optics	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI Lumera	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI Lumera i	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI Lumera T	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI Lumera 300 Basic	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI Lumera 300 Advanced	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI Lumera 700	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI MD	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI MDI	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI MDO	ZeissMD Mounting Kit for CLA (11553)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI MDU	ZeissMD Mounting Kit for CLA (11553)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI Vario	Zeiss Mounting Kit (11408)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI VISU 140	DOES NOT MOUNT	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI VISU 150	Zeiss Visu Mounting Kit (12163)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI VISU 160	Zeiss Visu Mounting Kit (12163)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI VISU 200	Zeiss Visu Mounting Kit (12163)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)
Zeiss	OPMI VISU 210	Zeiss Visu Mounting Kit (12163)	ROLS∞ auto (11363) ROLS∞ manual (11313) ROLS (VROLS-Z)