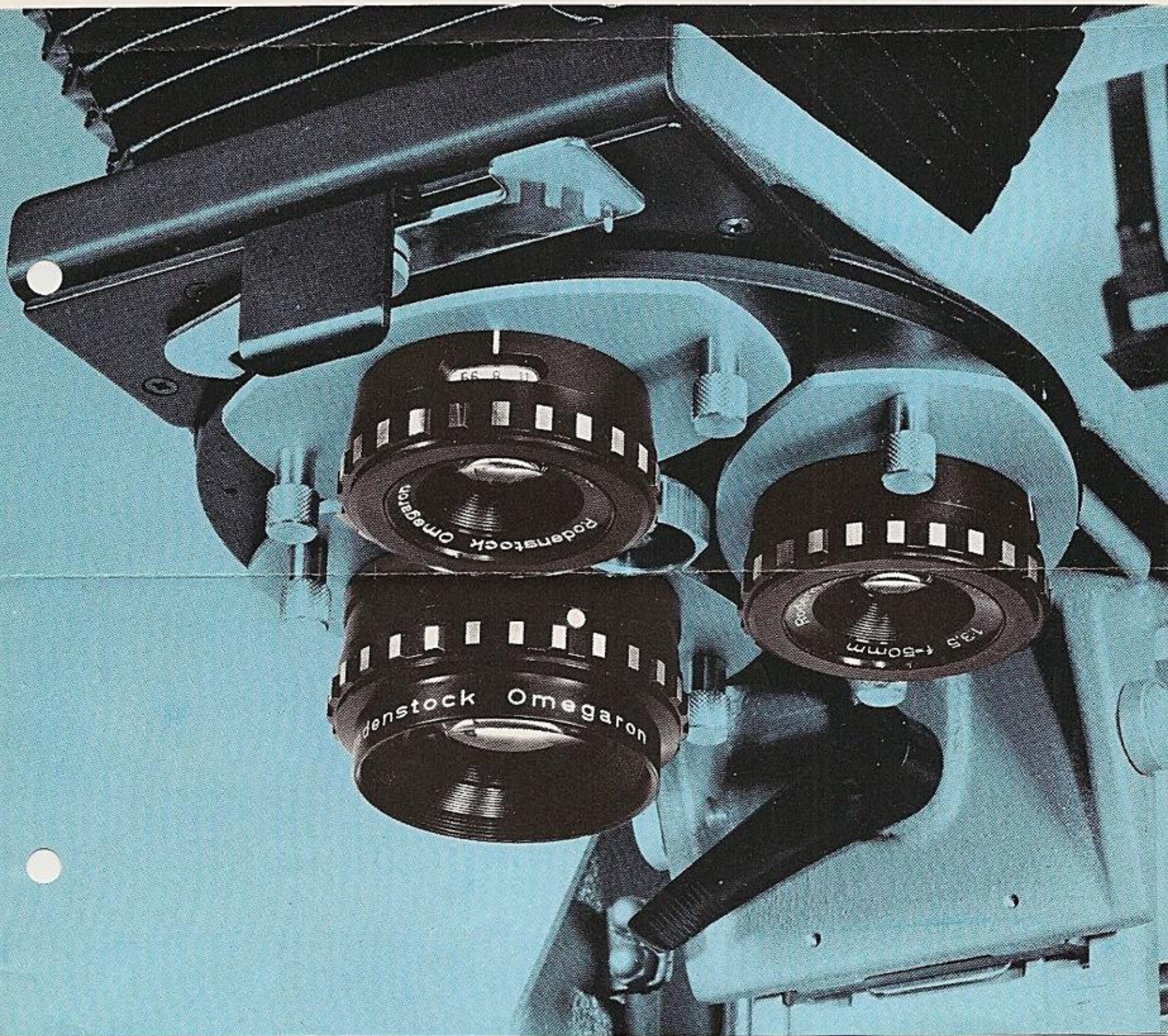




guide

to the selection of

Rodenstock® enlarging lenses



how to select your enlarging lenses

A finished photograph is a blend of many things: your skill as a photographer, the quality of your camera and lens, chemical and emulsion type, enlarger design . . . and the enlarging lens used. For the final lens through which the image passes — the enlarging lens — determines whether or not the information etched within the negative will be revealed in the finished print. The more critical your requirements, the more important it becomes to select enlarging lenses of quality commensurate with that of your camera lenses.

Which enlarging lens is best? There are four basic criteria to be considered . . .

RESOLUTION: The sharpness of a photographic image is affected by every lens through which it passes. Today's superior camera lenses demand enlarging lenses of equal resolving power. More, the resolution of the enlarging lens must remain constant over a wide range of magnifications if absolute sharpness is to be retained for all print sizes.

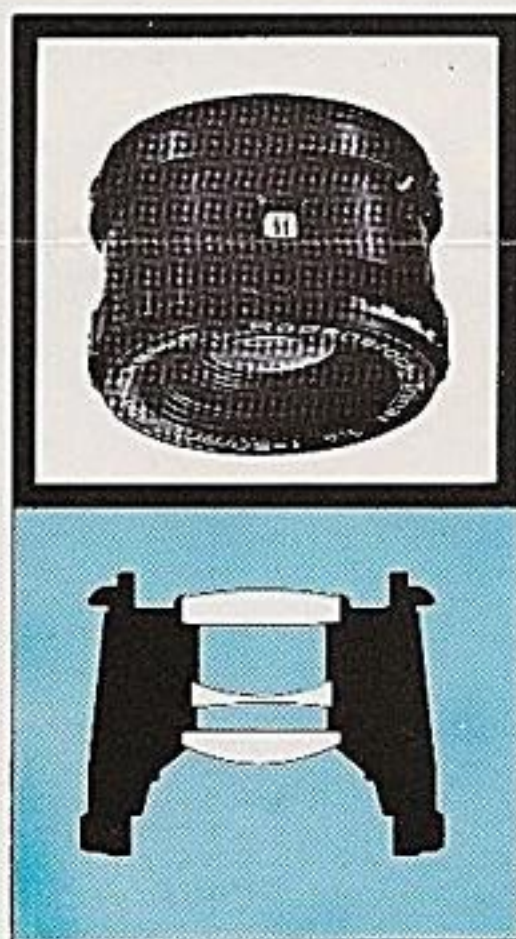
FLATNESS OF FIELD: In camera lenses, moderate curvature of field does not affect most photographs, for it is effectively "hidden" by the depth-of-field

inherent in photographs taken from normal working distances. In enlarging, however, no such tolerance can exist: the image on the easel must be equally sharp from edge to edge, with all light rays coming into focus at precisely the same plane.

CONTRAST: The ability to record pure blacks and whites becomes especially important when using partial-diffusion light sources (such as dichroic lamp-houses) and single-contrast color printing materials.

COLOR CORRECTION: Once considered minimal in importance for enlarging lenses, precise color correction — the ability to focus the three primary colors on exactly the same plane — becomes an essential requirement with modern color and variable-contrast printing materials.

Beyond these four basic criteria, there lies the great intangible: quality — in material, design, construction, and final inspection. Since 1877, over nine million RODENSTOCK lenses have been acclaimed by critical owners throughout the world. Today, blending classic German precision with space-age computer technology, RODENSTOCK Enlarging Lenses bring new standards of excellence to professional printing.



Rodenstock Trinar

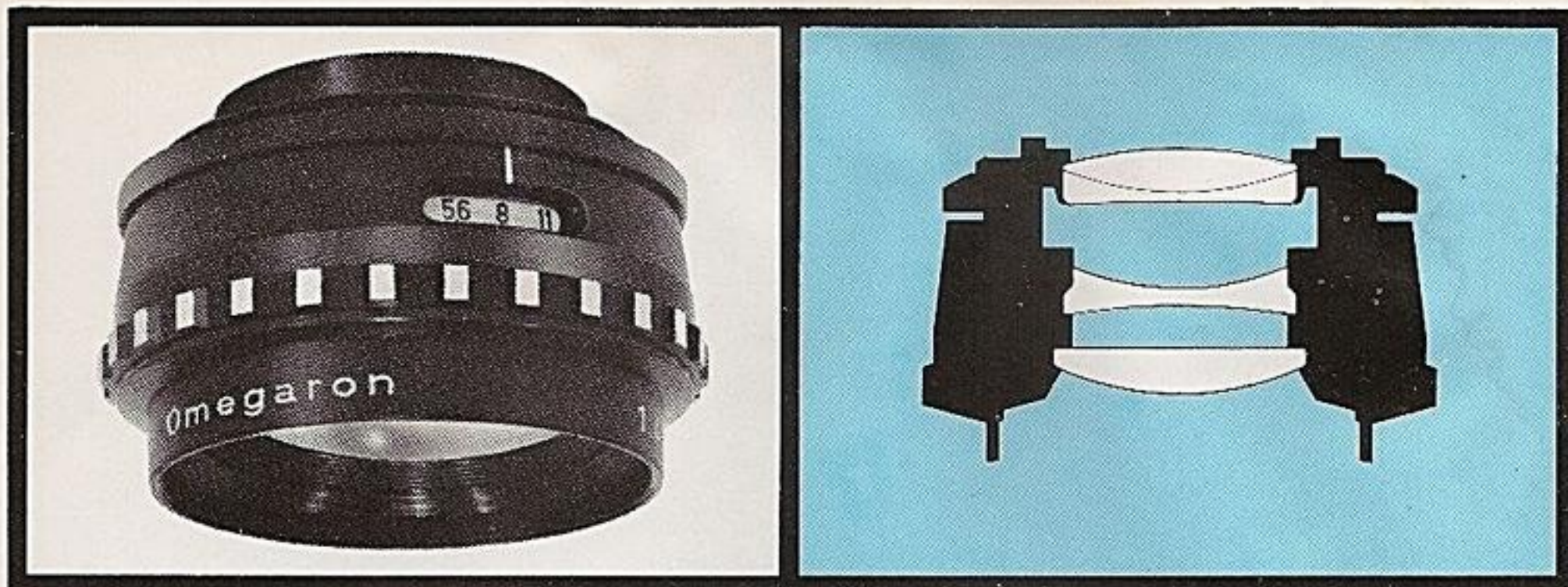
featuring illuminated f/stop scales

Exceptional performance at moderate cost. Advanced 3-element computation designed for optimum results at 3x to 4x magnification. Provides crisp resolution and contrast with flatness of field. Illuminated f/stop scale plus click stops for fast setting. For formats from 35mm (24x36mm) to 2 1/4 x 3 1/4".

OTHER FEATURES

- Hard-coated, color corrected.
- Flare preventing internal/external satin black finish.
- All elements precisely matched and centered.
- Leica thread.
- Supplied with front lens cap.
- Individually inspected before shipment.

Cat. No.	Focal Length	Aperture Range	Maximum Negative Size	No. of Elements	Mounting Thread
452-401	50mm	f/4 - f/16	24mm x 36mm	3	39mm
452-402	75mm	f/4.5 - f/16	2 1/4" x 2 1/4"	3	39mm
452-403	105mm	f/4.5 - f/22	2 1/4" x 3 1/4"	3	39mm



Rodenstock

OMEGARON®

featuring illuminated f/stop scales †

Superb four-element design. Resolving power, contrast, flatness of field, and evenness of illumination exceed normal professional requirements. Highly suitable for critical color printing. Rays outside the image path illuminate f/stop scale for instant readout: Red for f/stop in use, green for next larger and smaller f/stop. In focal lengths from 25mm to 210mm, for formats from Minox to 5 x 7".

OTHER FEATURES:

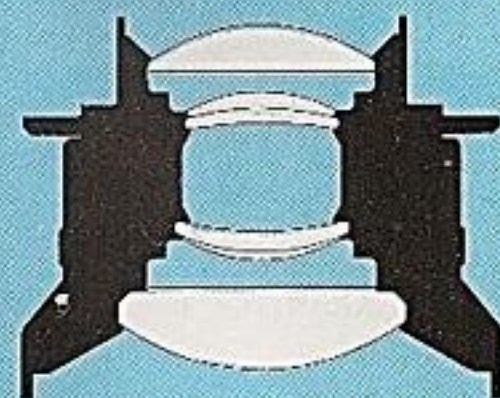
- Maximum aperture f/3.5 on 50mm, f/4.0 on 25mm and 35mm, f/4.5 on all others.
- Minimum aperture f/32 on 135mm to 210mm lenses enables extended printing times for dodging, burning in.
- All glass-to-air surfaces hard-coated to prevent flare, optimize contrast.
- Lens barrel internally and externally anodized in non-reflective black finish.
- Supplied complete with mounting ring and front lens cap.
- Positive click-stop aperture control ring.
- Individual bench testing prior to shipment.

Cat. No.	Focal Length	Aperture Range	Maximum Negative Size	No. of Elements	No. of Groups	Mounting Thread
452-011	25mm	f/4.0 – f/16	12 x 17mm	4	3	32.5mm
452-231	35mm	f/4.0 – f/16	18 x 24mm	4	3	32.5mm
452-003	50mm	f/3.5 – f/16	24 x 36mm	4	3	39mm *
452-023	75mm	f/4.5 – f/22	2¼ x 2¼"	4	3	39mm *
452-042	90mm	f/4.5 – f/22	2¼ x 2¾"	4	3	39mm *
452-062	105mm	f/4.5 – f/22	2¼ x 3¼"	4	3	39mm *
452-082	135mm	f/4.5 – f/32	4 x 5"	4	3	50mm
452-102	150mm	f/4.5 – f/32	4 x 5"	4	3	50mm
452-122	210mm	f/4.5 – f/32	5 x 7"	4	3	Special**

* Leica Thread

**Supplied with 4" mounting plate

†Because of their small barrel size, 25mm and 35mm lenses are without illuminated scales.



Rodenstock RODAGON

featuring illuminated f/stop scales†

Considered the finest enlarging lenses in existence. Rodagons exceed the most demanding professional requirements for critical color or black and white printing. Computer-designed six-element formula incorporates newest rare-earth glasses for outstanding color correction. Resolving power, contrast, flatness of field and

evenness of illumination at all apertures are unsurpassed. Rodenstock-invented illuminated f/stop ring internally lights f/stop in use, shows next larger and smaller stops in contrasting color for fast, convenient setting and ready reference. In focal lengths from 28mm to 360mm for all formats from Minox/110 to 8"x10".

OTHER FEATURES:

- 60° angle for large-scale reproduction with moderate lamphouse elevation.
- All glass-to-air surfaces hard coated for maximum light transmission, freedom from flare.
- Click stop diaphragm.
- Each Rodagon is electronically tested for optimum performance.
- Supplied complete with mounting lock ring and front lens cap.

† Because of their small barrel, 28mm and 35mm lenses are without illuminated scales.

Cat. No.	Focal Length	Aperture Range	Maximum Negative Size	No. of Elements	No. of Groups	Mounting Thread
452-314	28mm	f/4 - f/16	18 x 24mm	6	4	32.5mm
452-315	35mm	f/4 - f/16	18 x 24mm	6	4	32.5mm
452-316	50mm	f/2.8 - f/16	24 x 36mm	6	4	39mm*
452-324	50mm	f/4 - f/22	24 x 36mm	6	4	39mm*
452-304	60mm	f/5.6 - f/32	24 x 36mm	6	4	39mm*
452-306	80mm	f/5.6 - f/32	2 1/4" x 2 1/4"	6	4	39mm*
452-301	105mm	f/5.6 - f/32	2 1/4" x 3 1/4"	6	4	39mm*
452-303	135mm	f/5.6 - f/32	4" x 5"	6	4	39mm*
452-305	150mm	f/5.6 - f/45	4" x 5"	6	4	50mm
452-307	180mm	f/5.6 - f/45	5" x 7"	6	4	50mm
452-309	210mm	f/5.6 - f/45	5" x 7"	6	4	Special**
452-310	240mm	f/5.6 - f/45	5" x 7"	6	4	Special**
452-311	300mm	f/5.6 - f/45	8" x 10"	6	4	Special**
452-312	360mm	f/6.8 - f/45	8" x 10"	6	4	Special**

*Leica Thread

**Supplied with 4" mounting plate

Prices and Specifications subject to change without notice.

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