

Schneider ENLARGING AND CAMERA LENSES



WHY SCHNEIDER?

Because Schneider lenses record and reproduce the finest detail, every exquisite gradation of color and tone — edge-to-edge and corner-to-corner.

Because Schneider has over 70 years experience in the design and manufacture of optics that are known the world over. We built our reputation on innovation and performance. We've set the standard for professional photographic and enlarging lenses, for critical industrial and scientific applications, for TV and for AV and motion-picture projection.

Because the name Schneider on your lens assures sharp, brilliant images with unsurpassed contrast on your film and in your print.

SYMMAR-S

World-famous Symmar-S lenses produce superior images with excellent sharpness, brilliant contrast and unsurpassed color saturation. Precision optical design and advanced multicoating provide outstanding performance from close-up to infinity and at all apertures. A 70° angle of coverage permits a wide range of view-camera swings and tilts.

Schneider Advantages

- Most advanced optical design; 6-element/4-group
- 70° angle of coverage
- Large image circle for extreme camera movements
- Superb sharpness and contrast
- Multicoated to reduce flare and increase contrast



Series	Focal Length	Aperture Range #	Maximum Film Format	Angle of Coverage at f/22	Image Diameter at f/22
Symmar-S	100	5.6-45	2 1/2 x 3 1/2"	70°	143mm
	120	5.6-45	4 x 5"	70°	173mm
	135	5.6-45	4 x 5"	70°	190mm
	150	5.6-45	4 x 5"	70°	210mm
	180	5.6-45	5 x 7"	70°	252mm
	210	5.6-45	5 x 7"	70°	294mm
	240	5.6-45	8 x 10"	70°	337mm
	300	5.6-64	8 x 10"	70°	411mm
	360	6.8-64	10 x 12"	70°	491mm
	480	8.4-64	10 x 12"	70°	500mm

minimum aperture in Copal shutters.



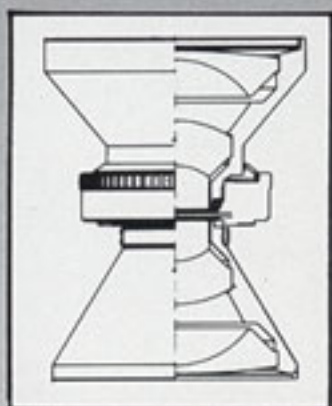
SUPER-ANGULON f/5.6

The Super-Angulon f/5.6 Series lenses are ultra-wide-angle for medium- and large-format cameras. An 8-element design provides a 105° angle of coverage. Specific attention has been given to reducing vignetting and maintaining uniform illumination. The f/5.6 maximum aperture and advanced multicoating combine to produce a bright image with excellent contrast.

Used extensively for interior and architectural photography, Super-Angulon f/5.6 lenses provide an extra-large image circle and permit extreme view-camera movements without image cutoff. High resolution, contrast and color saturation are maintained across the entire image.

Schneider Advantages

- 8-element/4-group design
- 105° angle of coverage
- Large image circle for extreme camera movements
- Improved uniformity of illumination
- Multicoated to reduce flare
- Improved contrast and color saturation



Series	Focal Length	Aperture Range #	Maximum Film Format	Angle of Coverage at f/22	Image Diameter at f/22
Super Angulon f/5.6	47	5.6-32	2 1/2 x 3 1/2"	105°	123mm
	65	5.6-45	4 x 5"	105°	170mm
	75	5.6-45	4 x 5"	105°	198mm
	90	5.6-45	5 x 7"	105°	235mm

minimum aperture in Copal shutters.



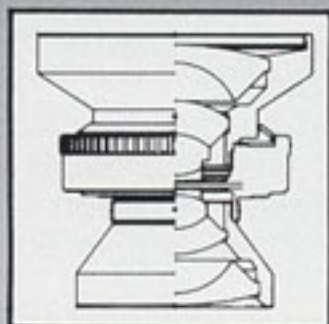
SUPER-ANGULON f/8

Super-Angulon f/8 Series large-format lenses feature a super-wide 100° angle of coverage. Multicoating reduces flare and increases contrast and color saturation.

Used extensively for interior and architectural photography, because the large image circle allows extreme swings and tilts, the Super-Angulon f/8 is the standard wide-angle lens for large-format photography.

Schneider Advantages

- 6-element/4-group design
- 100° angle of coverage
- Large image circle for extreme camera movements
- Multicoated for reduced flare, improved contrast and color saturation



Series	Focal Length	Aperture Range #	Maximum Film Format	Angle of Coverage at f/22	Image Diameter at f/22
Super Angulon f/8	90	8-45	5 x 7"	100°	216mm
	120	8-64	5 x 7"	100°	288mm
	165	8-64	10 x 12"	100°	395mm
	210	8-90	11 x 14"	100°	500mm

minimum aperture in Copal shutters.

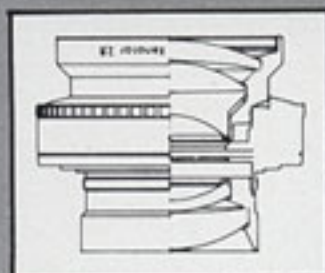


XENOTAR

Originally designed for aerial photography, Xenotars' high speed (f/2.8), contrast and resolution make them ideal for available-light photography.

Schneider Advantages

- 5-element/4-group design
- High speed
- High resolving power
- Very good contrast



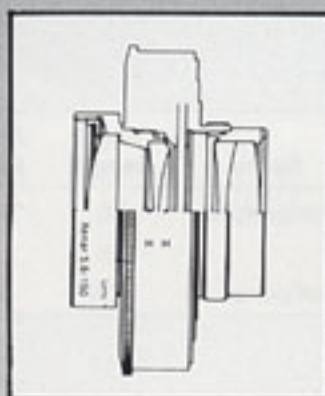
Series	Focal Length	Aperture Range #	Maximum Film Format	Angle of Coverage at f/22	Image Diameter at f/22
Xenotar	80	2.8-22	2 1/4 x 3 1/4"	63°	98mm
	100	2.8-32	2 1/2 x 3 1/2"	60°	117mm

XENAR

The Xenar Series offers professional quality at moderate cost. It is a multipurpose, standard working lens for press, studio, portrait and advertising photography. Xenars are noted for true color rendition and crisp image quality. These lenses are best buys for photographers who do not require wider angles of coverage.

Schneider Advantages

- 4-element/3-group design
- Ample image circle for moderate swings and tilts
- 60° angle of coverage
- 300mm excellent normal lens for 8 x 10" studio work and use with Polacolor material



Series	Focal Length	Aperture Range	Maximum Film Format	Angle of Coverage at f/22	Image Diameter at f/22
Xenar	150	5.6-45	4 x 5"	60°	173mm
	210	6.1-45	5 x 7"	60°	249mm
	300	5.6-45	8 x 10"	60°	347mm



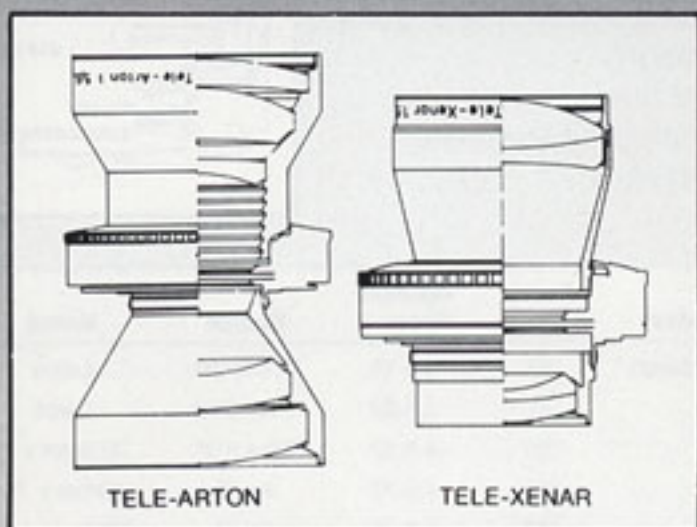
TELE-ARTON TELE-XENAR

True-telephoto large-format lenses allow the studio photographer greater camera-to-subject distances without sacrificing image size. In the field, they bring distant subjects closer and provide large image sizes without excessively long bellows extensions.

Schneider offers two telephoto lenses — the Tele-Arton and the Tele-Xenar. These lenses are designed for light weight and shorter back-focus. Both are noted for high contrast and resolution. They are the perfect choice for press and technical cameras.

Schneider Advantages

- True telephoto design
- Shorter back-focus than normal long lenses
- Lighter in weight than normal long lenses
- High resolution — high contrast



Series	Focal Length	Aperture Range #	Maximum Film Format	Angle of Coverage at f/22	Image Diameter at f/22
Tele-Arton	250	5.6-32	4 x 5"	35°	158mm
Tele-Xenar	360	5.5-45	5 x 7"	35°	230mm

minimum aperture in Copal shutters.



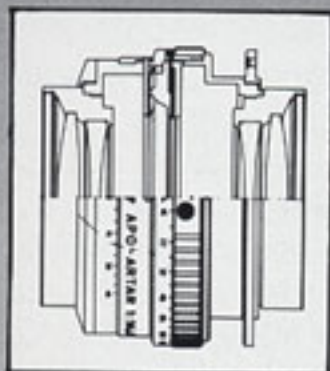
APO-ARTAR

Apochromatic, high-contrast Apo-Artar lenses were originated to meet the critical sharpness and color fidelity demands of printing and color separations. Designed for reproduction ratios around 1:1, distortion-free Apo-Artars feature apochromatic correction to provide precise registration of the three primary colors in one plane.

Shutter-mounted, Apo-Artars are ideal for close-up and table-top photography with large-format cameras. In general photography, the image remains undistorted and razor sharp—edge-to-edge—at all shooting distances.

Schneider Advantages

- 4-element, air-spaced design
- Apochromatic, primary colors focus in precisely the same plane
- Linear aperture scale
- Available in process mount or Copal shutter (240-480mm)



Series	Focal Length	Aperture Range	Maximum Film Format	Angle of Coverage at f/22	Image Diameter at f/22
Apo-Artar	240*	9-90	4 x 5"	46°	410mm
	360*	9-90	11 x 14"	46°	603mm
	480*	11-128	11 x 14"	46°	820mm
	890**	14-128	30 x 40"	40°	1297mm
	1065**	14-128	33 x 46"	40°	1551mm
	1205**	14-128	40 x 50"	38°	1663mm

* available in Copal Shutter
** available in process mount only



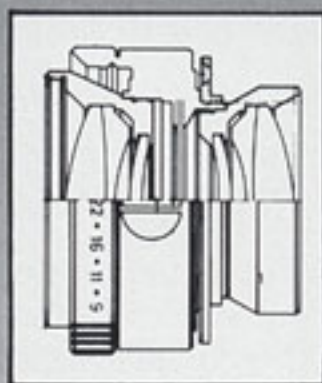
G-CLARON

The G-Claron Series of flat-field optics were designed for graphic-arts cameras. A 6-element/4-group symmetrical lens design is optimized for magnifications around 1:1. In graphic-arts and printing applications, G-Clarons yield outstanding definition from line, continuous- and half-tone originals.

Shutter-mounted G-Clarons are excellent for closeups, table-top photography and photomacrography because of the flatness of field.

Schneider Advantages

- Rare earth glass; symmetrical 6-element/4-group design
- 64° angle of coverage
- Large image circle for extreme camera movements
- Superior performance for closeups and photomacrography
- Available in barrel mount or Copal shutter



Series	Focal Length	Aperture Range	Maximum Film Format	Angle of Coverage at f/22	Image Diameter at f/22
G-Claron	150	9-64	8 x 10"	64°	385mm
	210	9-64	11 x 14"	64°	520mm
	240	9-64	14 x 17"	64°	598mm
	270	9-64	16 x 20"	64°	669mm
	305	9-64	16 x 20"	64°	763mm
	355	9-64	20 x 24"	64°	887mm

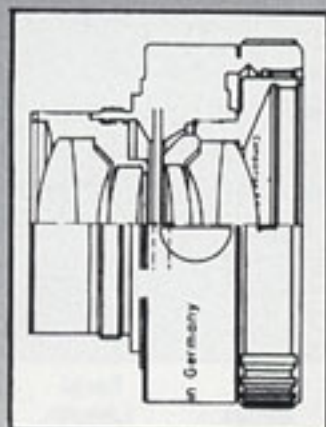


M-COMPONON

Schneider M-Componon lenses are designed for large-scale photography of small objects. Optimized for reproduction ratios of 1:1 or larger, M-Componons are especially effective for photographing jewelry, postage stamps, minerals and other small objects with exquisite detail, true color and brilliant contrast.

Schneider Advantages

- 6-element/4-group macro design
- Optimized for magnifications of 1:1 and greater
- Fits any #0 shutter
- Numerical aperture scale for easier exposure calculation



Series	Focal Length	Aperture Range	Maximum Film Format	Reproduction Ratio
M-Componon	28	4-32	4 x 5"	4:1 ~ 20:1
	50	4-32	4 x 5"	2:1 ~ 12:1
	80	4.0-32	4 x 5"	1:1 ~ 7:1

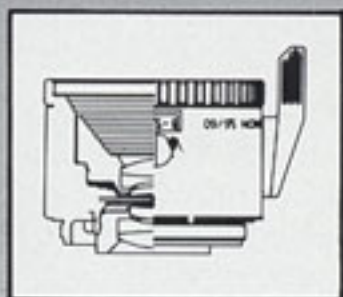


COMPONON

The Schneider Componon 6-element/4-group design is optimized for 2X to 20X enlargements of formats from 18x24mm to 40x40mm. Componon lenses provide high contrast and excellent detail with both condensor and diffuser enlargers.

Schneider Advantages

- 6-element/4-group design
- Ultra-flat field
- Enlargement range 2X to 20X
- Available in 25mm mount



Series	Focal Length	Aperture Range	Format	Mount
Componon	28	4-16	18 x 24mm	Leica
	35	4-16	24 x 24mm	Leica
	60	5.6-22	40 x 40mm	Leica



COMPONON-S

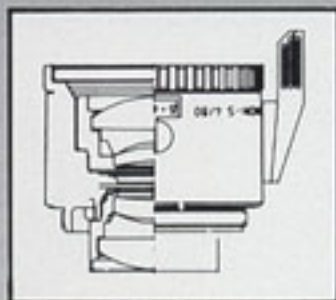
The Componon-S 6-element/4-group optical design utilizes the finest rare-earth glass and provides the ultimate in enlarger lens performance. Superior color correction produces color fidelity normally found only in apochromatic lenses.

Componon-S lenses are available for enlarging from 35mm, medium and large formats. Focal lengths from 50 to 100mm feature a preset aperture control and illuminated aperture scale. The preset-aperture-control lever facilitates opening up to full aperture for focusing then stopping down to the precise preset aperture for the exposure. Also, the 50 to 150mm lenses have click-stop override for simpler use of color analyzers.

Shutter-mounted, Componon-S lenses are ideal for close-up and copy photography because of excellent flatness of field.

Schneider Advantages

- 6-element/4-group design
- Ultra-flat field
- Preset aperture control
- Illuminated aperture scale
- Disengageable click stop system
- Magnification range 2X to 20X



Series	Focal Length	Aperture Range	Format	Mount
Componon-S	50	2.8-16	24 x 36mm	Leica
	80	4-22	2 1/4 x 2 1/4"	Leica
	100	5.6-45	2 1/2 x 3 1/2"	Leica
	135	5.6-45	4 x 5"	42mm x .75
	150	5.6-45	4 x 5"	42mm x .75
	180	5.6-45	5 x 7"	50mm x .75
	210	5.6-45	5 x 7"	55mm x .75
	240	5.6-45	8 x 10"	66mm x .75
	300	5.6-45	8 x 10"	77mm x .75
	360	6.8-45	10 x 12"	90mm x 1



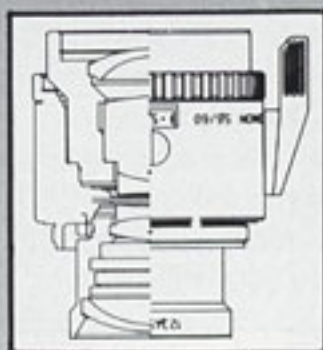
WA-COMPONON

WA-Componon lenses feature wide-field coverage for a 30% greater linear enlargement than an equivalent normal lens at the same column height. This facilitates making larger prints or sectional enlargements on the enlarger baseboard with the enlarger head at a comfortable working height.

WA-Componon lenses offer a preset aperture control, illuminated aperture scale and disengageable click stops.

Schneider Advantages

- 6-element/4-group design
- 30% greater magnification than with conventional lenses
- Preset aperture control
- Illuminated aperture scale
- Disengageable click stops



Series	Focal Length	Aperture Range	Format	Mount
WA-Componon	40	4-22	24 x 36mm	Leica
	60	5.6-32	2 1/4 x 2 1/4"	Leica
	80	5.6-32	2 1/2 x 3 1/2"	Leica

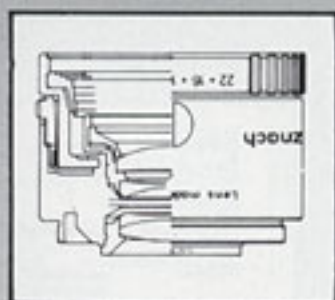


COMPARON

Comparon lenses are designed for 2X to 6X enlargements. A 4-element design gives superior resolution and contrast even at maximum aperture. Click-stop override is featured on the 50mm and 75mm lenses. The click-stops engage at full and half stops for precise exposure control in color and black-and-white printing.

Schneider Advantages

- Color-corrected optical glass; 4-element/3-group design
- Flat field
- Coated air-to-glass surfaces



Series	Focal Length	Aperture Range	Format	Mount
Comparon	50	3.5-16	24 x 36mm	Leica
	75	4.5-22	2 1/4 x 2 1/4"	Leica
	105	4.5-32	2 1/2 x 3 1/2"	32.5mm x .5
	135	4.5-32	4 x 5"	39mm x .75
	150	5.6-45	4 x 5"	32.5mm x .5

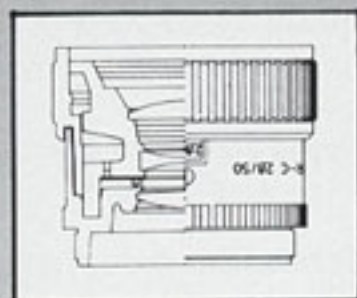


COMPONAR-C

Popular-priced Componar-C lenses are ideal for enlargements to 8X from 35mm and medium formats. Wide f/2.8 aperture assures easy focusing even with dense 35mm negatives. Illuminated aperture scale and click-stop override are featured on the 50 and 75mm lenses.

Schneider Advantages

- Refined optical glass; 3-element design
- Multicoated, air-to-glass surfaces
- Attractively priced



Series	Focal Length	Aperture Range	Format	Mount
Componar-C	50	2.8-16	24 x 36mm	Leica
	75	4-16	2 1/4 x 2 1/4"	Leica
Componar	105	4.5-22	2 1/2 x 3 1/2"	32.5mm x .5

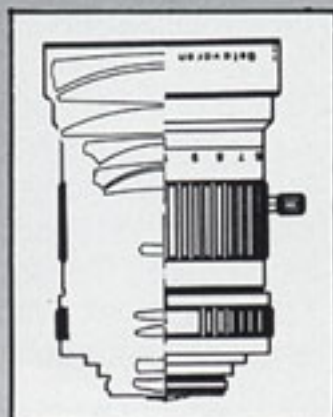


BETAVARON

Advanced Schneider technology has produced the first true-zoom enlarging lens for 35mm negatives. The lens permits you to change print size without refocusing the enlarger. The Betavaron provides full-negative or sectional enlargements from 3X to 10X. A supplementary lens expands the range to 5.3X to 17X.

Schneider Advantages

- 11-element/10-group design
- Constant sharp focus throughout range
- Flat-field design
- Optimally color corrected



Series	Focal Length	Aperture Range	Format	Mount
Betavaron	50-125mm	5.6-22	24 x 36mm	Leica



UNIVERSAL 4X MAGNIFIER

The popular Schneider 4X magnifier now gives the best, most detailed view of both transparencies and prints. The magnified image is color-correct and distortion-free. The Universal Magnifier is supplied with interchangeable black opaque and translucent base elements—for viewing slides and prints respectively. The lens can be focused for individual vision requirements. And, the Schneider 4X Magnifier lets you view the entire 35mm frame.

6X and 8X Magnifiers are also available for viewing smaller areas at higher magnifications.

