

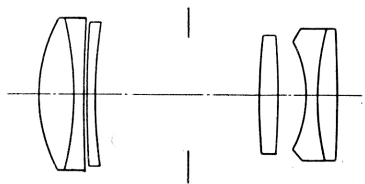
Voigtländer

DYNARON f 4.5

100 mm

for Voigtländer PROMINENT

I N S T R U C T I O N S F O R U S E



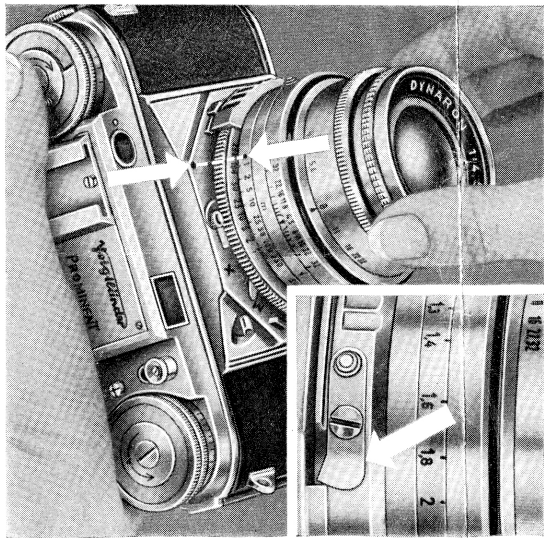
The 4 inch (100 mm.) DYNARON f/4.5

This is a genuine telephoto lens and is one of the series of Voigtländer high-class anastigmats. Its short overall length makes for a more evenly balanced camera-lens set-up, and thus helps to reduce the risk of camera shake during the exposure.

The DYNARON is practically free from distortion and yields images of finest detail even at full aperture — with black-and-white as well as colour film. The colour correction is of a particularly high standard.

At very near subject distances (below about 6 feet) the DYNARON shows a certain softness of definition similar to that which made the Voigtländer Portrait-Heliar lens so famous. If crisper definition is required with close-ups, the lens should be stopped down to f/5.6. A special lens hood is available for the DYNARON to cut out unwanted stray light; it fits over the normal lens hood for the standard 2 inch (50 mm.) lenses.

Technical Data: Genuine telephoto lens consisting of six components. Angle of view approximately 25 degrees. Lens mount diameter 47 mm. Directly coupled to the camera rangefinder for focusing. Depth of field scale marked on lens mount.

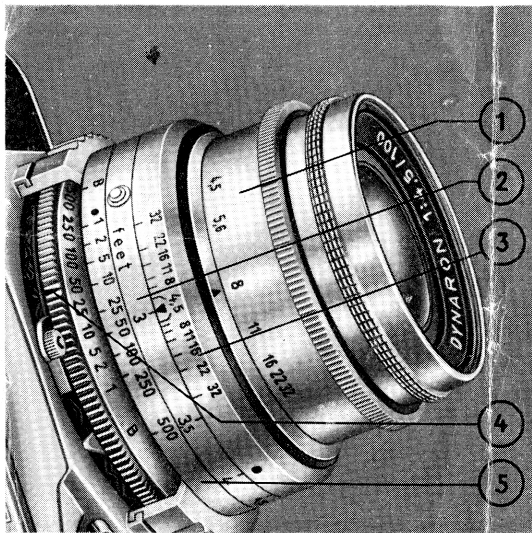


Attaching the Lens

- Push the lens into the shutter with the two red dots lined up next to each other (see illustration above).
- Then press the lens mount flat against the front plate of the shutter and turn to the right.
- This slides the lugs on the mount underneath the clamping cheeks. At the same time the locking lever engages (see illustration below), securely holding the lens in place.

To remove the Lens

proceed in the reverse order. Push back the locking lever and hold it there, then turn the lens to the left to release the catch.



Setting the Aperture

Turn the aperture ring (1) by its serrated edge until the required aperture number clicks into place above the black arrow head.

Finding the Depth of Field

After focusing the lens with the rangefinder, read off the distance below the focusing knob and set the green distance scale (2) to the same figure. The depth of field zone then extends from the distance figure below the required lefthand (green or yellow) aperture number on the scale (3) to the distance figure below the corresponding right-hand (green) aperture number.

Setting the Shutter Speed

Turn the speed setting ring on the camera to bring the red index line (4) opposite the required exposure time on the scale (5).

Depth of field table DYNARON f 4.5/100 mm

$c = 0,0375$

a	4,5		5,6		8		11		16		22		32	
	from	to	from	to	from	to	from	to	from	to	from	to	from	to
∞	190'	∞	155'	∞	107'	∞	78'	∞	53'7"	∞	39'	∞	26'9"	∞
60'	45'7"	87'7"	43'4"	100'	38'5"	137'	33'11"	260'	28'3"	∞	23'7"	∞	18'6"	∞
30'	25'11"	35'7"	25'1"	37'4"	23'5"	41'8"	21'8"	48'9"	19'3"	68'2"	16'11"	130'	14'2"	∞
20'	18'1"	22'4"	17'8"	23'	16'10"	24'7"	15'11"	26'11"	14'7"	31'11"	13'2"	41'1"	11'5"	79'
15'	13'11"	16'3"	13'8"	16'7"	13'2"	17'5"	12'7"	18'7"	11'8"	20'10"	10'10"	24'4"	9'7"	34'1"
12'	11'3"	12'9"	11'1"	13'	10'9"	13'6"	10'4"	14'2"	9'9"	15'5"	9'2"	17'4"	8'3"	21'9"
10'	9'6"	10'6"	9'4"	10'8"	9'1"	11'	8'10"	11'5"	8'5"	12'3"	7'11"	13'5"	7'3"	15'11"
8'	7'8"	8'4"	7'7"	8'5"	7'5"	8'7"	7'3"	8'11"	6'11"	9'5"	6'7"	10'1"	6'2"	11'5"
7'	6'9"	7'3"	6'8"	7'4"	6'7"	7'6"	6'5"	7'8"	6'2"	8'	5'11"	8'6"	5'6"	9'5"
6'	5'10"	6'2"	5'9"	6'3"	5'8"	6'4"	5'7"	6'6"	5'4"	6'9"	5'2"	7'1"	4'11"	7'8"
5'	4'10"	5'1"	4'10"	5'2"	4'9"	5'3"	4'8"	5'4"	4'7"	5'6"	4'5"	5'9"	4'2"	6'1"
4'6"	4'5"	4'7"	4'4"	4'7"	4'4"	4'8"	4'3"	4'9"	4'2"	4'11"	4'	5'1"	3'10"	5'5"
4'	3'11"	4'1"	3'10"	4'1"	3'10"	4'2"	3'9"	4'2"	3'8"	4'4"	3'7"	4'5"	3'5"	4'8"
3'6"	3'5"	3'7"	3'5"	3'7"	3'4"	3'7"	3'4"	3'8"	3'3"	3'9"	3'2"	3'10"	3'1"	4'

TURNIT finder 35/100 mm

This special finder with its large and plain field can be used alternatively with the following interchangeable lenses:

DYNARON f 4.5/100 mm and
SKOPARON f 3.5/35 mm

Its most remarkable feature is that it is two finders in one. When used for the SKOPARON it shows a fairly large image, otherwise unusual with wide-angle finders. To adapt the TURNIT finder to the angle of the DYNARON fold the eyepiece down (see upper arrow), turn the optical system through 180° and fold the eyepiece home again. The image you see when looking through this way appears amplified abt. 1.7 times. This is a comfortable feature when the subject is distant.

The TURNIT finder is equipped with parallax compensation for close-ups (see lower arrow). For people who wear glasses correction lenses can be attached to the eyepiece.

