

## High Resolution Plan Apochromat Infinity Corrected Objective Lenses

Ideal for Industrial and Microscopy Imaging Applications

Navitar HR plan apochromatic objectives offer high NA, large FOV, and working distances ranging from 10-39mm.

- Series includes 1X, 2X, 4X, 6X, 10X and 20X resolutions.
- Designed with a parfocal distance of 95mm to be compatible with turret applications.
- Apochromatic over 436-656 nm, providing excellent correction of spherical and chromatic aberrations.



### Specifications

	High NA / Long W. D.		High NA / Large FOV			
	1X	2X	4X HR	6X HR	10X HR	20X HR
Part Numbers	1-55282	1-55273	1-55341	1-55401	1-55227	1-55354
Numerical Aperture	0.04	0.08	0.2	0.3	0.4	0.5
Working Distance (mm)	15	39	20	25	10	10
Focal Length (mm)	200	100	50	33	20	10
Resolving Power	8.96 $\mu\text{m}$	4.49 $\mu\text{m}$	3.45 $\mu\text{m}$	1.25 $\mu\text{m}$	0.97 $\mu\text{m}$	0.68 $\mu\text{m}$
Depth of Field ( $\mu\text{m}$ ) $\pm$	$\pm 184$ $\mu\text{m}$	$\pm 46$ $\mu\text{m}$	$\pm 7.7$ $\mu\text{m}$	$\pm 3.5$ $\mu\text{m}$	$\pm 2.0$ $\mu\text{m}$	$\pm 1.0$ $\mu\text{m}$
Field Number	22	22	22	22	22	22
Compatible Tube Lens	EFL=200mm	EFL=200mm	EFL=200mm	EFL=200mm	EFL=200mm	EFL=200mm
Parfocal Length (mm)	95	95	95	95	95	95
Mounting Threads	M26 x 36 TPI	M26 x 36 TPI	M26 x 36 TPI	M26 x 36 TPI	M26 x 36 TPI	M26 x 36 TPI
Wavelength Range	436nm - 656nm	436nm - 656nm	436nm - 656nm	436nm - 656nm	436nm - 656nm	436nm - 656nm

Contact us today for additional details and product availability.