

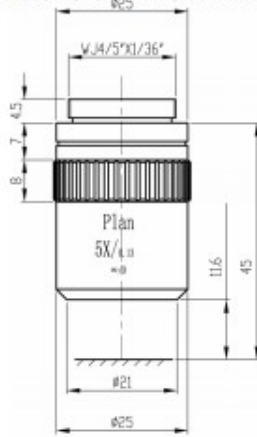


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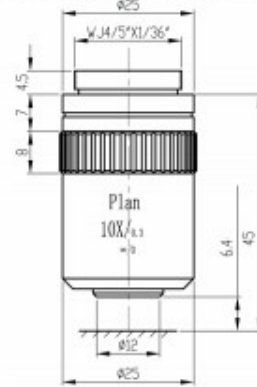
## Microscope Objectives

### Metallurgical Bright Field Objective Lens

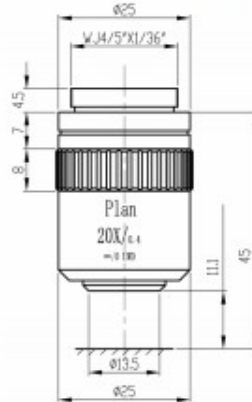
METALLURGICAL BRIGHT FIELD 5X



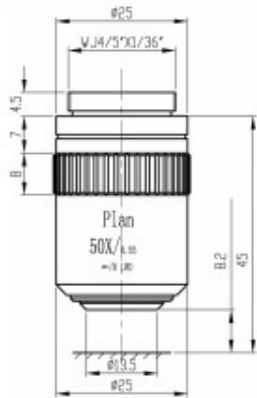
METALLURGICAL BRIGHT FIELD 10X



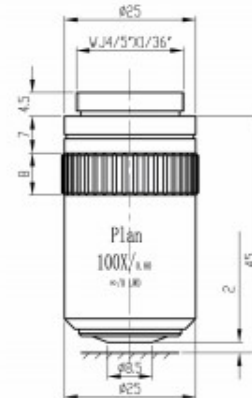
METALLURGICAL BRIGHT FIELD 20X



METALLURGICAL BRIGHT FIELD 50X




METALLURGICAL BRIGHT FIELD 100X



(WF 10 / 25)

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Metallurgical					
Plan Fluor					
Magnification	5X	10X	20X	50X	100X
Numerical Aperture	0.13	0.3	0.4	0.55	0.8
Workign Distance (mm)	11.6	6.4	11.1	8.2	2
Slide CT (mm)	0	0	0	0	0
Focus Length (mm)	40	20	10	4	2
Wavelength (mm)	400-700nm	400-700nm	400-700nm	400-700nm	400-700nm
Wavelength (nm)	2	1	0.7	0.5	0.4
Resolution( $\mu$ m)	38.25	7.82	3.5	1.43	0.61
Thread	W4/5' x 1/36'				

Metallurgical LWD			
Plan Fluor			
Magnification	LWD 20X	LWD 50X	LWD 100X
Numerical Aperture	0.4	0.5	0.8
Workign Distance (mm)	12.2	10.6	3.2
Slide CT (mm)	0	0	0
Focus Length (mm)			
Wavelength (mm)	400-700nm	400-700nm	400-700nm
Wavelength (nm)			
Resolution( $\mu$ m)			
Thread	W4/5' x 1/36'		

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Magnification	5X	10X	20X	40X	40X	50X	100X
Numerical Aperture	0.12	0.25	0.4	0.65	0.6	0.75	0.8
Workign Distance (mm)	15.5	10	5.8	0.52	2.9	0.32	2
Slide CT (mm)	0	0	0	0	0	0	0
Focus Length (mm)	40.1175	1.7997	-6.915	-20.18	-12.59	-16.1	-4.81
Wavelength (mm)							
Wavelength (nm)							
Resolution( $\mu$ m)							
Thread							
Field		○ ● *2	○ ●		○ ●	○ ●	○ ●
Spring				√	√	√	√

**NOTE: \*1—● Dark Field \*2—○ ● Bright Field**

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