



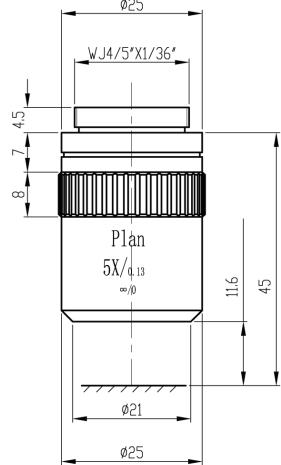
Shanghai

optics

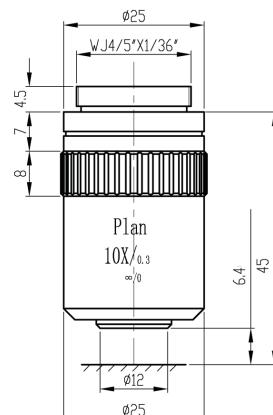


METALLURGICAL BRIGHT FIELD OBJECTIVE LENS

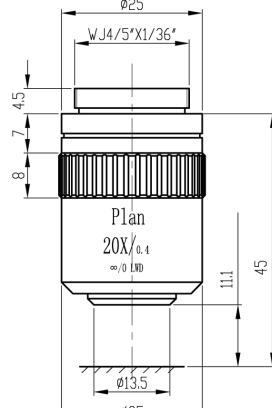
METALLURGICAL BRIGHT FIELD 5X



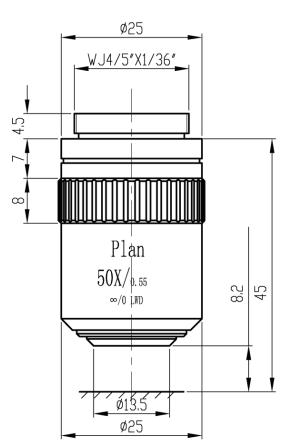
METALLURGICAL BRIGHT FIELD 10X



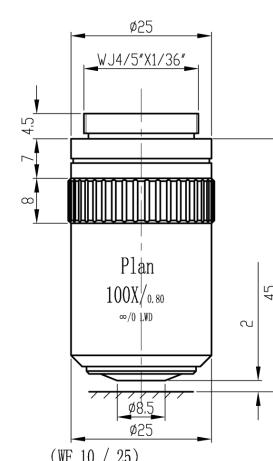
METALLURGICAL BRIGHT FIELD 20X



METALLURGICAL BRIGHT FIELD 50X



METALLURGICAL BRIGHT FIELD 100X



OBJECTIVE LENS

	N.A.	W.D.	EFFL F'(MM)	RESOLUTION R(UM)	PHYSICAL DEPTH OF FOCUS +/- DELTA P(UM)	FIELD Ø 24 EYE	FIELD (1/2CCD)
METALLURGICAL BRIGHT FIELD 5X	0.13	11.6	40	2	38.25	Ø 5	0.96x1.28
METALLURGICAL BRIGHT FIELD 10X	0.12	4.80	18	1.1	4.4	Ø 2.5	0.48x0.64
METALLURGICAL BRIGHT FIELD 20X	0.45	2.89	9	0.6	1.4	Ø 1.25	0.24x0.32
METALLURGICAL BRIGHT FIELD 50X	0.65	0.55	4	0.4	0.7	Ø 0.5	0.10x0.13
METALLURGICAL BRIGHT FIELD 100X	0.85	0.503	3	0.3	0.4	Ø 0.25	0.05x0.06