Shanghai OPTICS

YOUR CUSTOM OPTICS EXPERTS

In Stock Microscope Objective Catalog

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		Magnification	NA	W.D. (mm)	Cover glass thickness (mm)	Immersion	Spring loaded	Fluorescence	Phase contrast	Polarizing
Finite Objectives	Achromatic Objectives	4X	0.1	18	0.17			√		
		10X	0.25	7	0.17			√	√	
		20X	0.4	0.55	0.17		√		√	
		40X	0.65	0.53	0.17		√	√	√	
		60X	0.85	0.13	0.17		√			
		100X	1.25	0.13	0.17	Oil	√	√	√	
		4X	0.1	26.9	0.17					√
		10X	0.25	6.34	0.17					√
		25X	0.4	0.82	0.17					√
		40X	0.65	0.48	0.17					√
		60X	0.85	0.085	0.17					√
	Semi-plan Achromatic Objectives	2X	0.05	17	—					
		4X	0.1	15.2	0.17					
		10X	0.25	7.1	0.17					
		20X	0.4	3.5	0.17		√			
		40X	0.65	0.45	0.17		√			
		60X	0.85	0.45	0.17		√			
		100X	1.25	0.13	0.17	Oil	√			
	Plan Achromatic Objectives	1X	0.025	23	—					
		4X	0.1	15.8	0.17					
		5X	0.12	17.5	—					
		10X	0.25	12.2	0.17				√	
		20X	0.4	5	0.17				√	
		40X	0.65	0.65	0.17		√		√	
		60X	0.8	0.13	0.17		√			
		100X	1.25	0.18	0.17	Oil	√		√	
		4X	0.1	15	0.17					√
		10X	0.25	1.54	0.17					√
		25X	0.4	1.1	0.17					√
		40X	0.65	0.25	0.17					√
		63X	0.85	0.18	0.17					√

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		Magnification	NA	W.D. (mm)	Cover glass thickness (mm)	Immersion	Spring loaded	Fluorescence	Phase contrast
Finite Objectives	Semi-plan Achromatic Objectives	4X	0.1	28	—				
		10X	0.25	5.8	0.17				
		40X	0.65	0.43	0.17		√		
		100X	1.25	0.13	0.17	Oil	√		
	Plan Achromatic Objectives	2X	0.05	18.3	—				
		4X	0.1	28	—				
		5X	0.12	15.4	—				
		10X	0.25	10	0.17				√
		20X	0.4	5.1	0.17				√
		40X	0.65	0.7	0.17		√		√
		60X	0.8	0.14	0.17		√		
		100X	1.25	0.18	0.17	Oil	√		√
	Objectives for Inverted Microscopes	4X	0.1	28	—				
		10X	0.25	10	1.2				
		20X	0.4	5.1	1.2				
		40X	0.6	2.1	1.2		√		
Tube Lens FL=180mm	Fluorescent Objectives for Lab Microscopes	4X	0.13	16.3	—				
		10X	0.3	12.4	0.17				
		20X	0.5	1.5	0.17				
		40X	0.75	0.35	0.17		√		
		100X	1.3	0.13	0.17	Oil	√		
	Fluorescent Objectives for Inverted Microscopes	4X	0.13	16.3	1.2				
		10X	0.3	12.4	1.2				
		20X	0.5	1.5	1.2				
		40X	0.6	2.2	1.2		√		
	Plan Semi-Apo Objectives	4X	0.13	16.5	—			√	
		10X	0.3	8.1	—			√	
		20X	0.5	2.1	0.17			√	
		40X	0.75	0.7	0.17		√	√	
		100X	1.3	0.16	0.17	Oil	√	√	

		Magnification	NA	W.D. (mm)	Cover glass thickness (mm)	Immersion	Spring loaded	Fluorescence	Phase contrast
Infinite Objectives **Tube Lens FL = 150mm**	**Semi-plan Achromatic Objectives**	4X	0.1	15.5	0.17				
		10X	0.25	5.02	0.17				
		10X	0.25	5.02	0.17				√
		20X	0.4	0.81	0.17				
		40X	0.65	0.6	0.17				
		40X	0.65	0.6	0.17				√
		60X	0.8	0.27	0.17		√		
		100X	1.25	0.13	0.17	Oil	√		
		100X	1.25	0.13	0.17	Oil	√		√

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		Magnification	NA	W.D. (mm)	Cover glass thickness (mm)	Immersion	Spring loaded	Fluorescence	Phase contrast
Tube Lens FL = 200mm Parfocal Length = 60mm	Plan Objectives	2x	0.06	7.5	0.17				
		4x	0.1	30	0.17				
		10x	0.25	10.2	0.17				
		20x	0.4	12	0.17				
		40x	0.65	0.7	0.17				
		50x	0.95	0.19	0.17	Oil			
		60x	0.8	0.3	0.17				
		100x(	1.25	0.2	0.17	Oil			
		100x (with adjustable NA)	0.5-1.25	0.2	0.17	Oil			
Tube Lens FL = 200mm Parfocal Length = 60mm	Plan Phase Contrast Objectives	10x	0.2	10.2	0.17				
		20x	0.4	12	0.17				
		40x	0.65	0.7	0.17				
		100x	1.25	0.2	0.17	Oil			
Tube Lens FL=180mm Parfocal Length = 60mm	Semi-APO Fluorescent Objectives	4x	0.13	16.5	0.17			√	
		10x	0.3	8.1	0.17			√	
		20x	0.5	2.1	0.17			√	
		40x	0.75	0.7	0.17			√	
		100x	1.3	0.15	0.17	Oil		√	
Tube Lens FL= 200mm Parfocal Length = 60mm	APO Fluorescent Objectives	20x	0.75	1.1	0.17			√	
		100x	1.45	0.13	0.17	Oil			
Tube Lens FL=180mm Parfocal Length = 45mm	Semi-APO Fluorescent Objectives	4x	0.13	16.5	0.17			√	
		10x	0.3	8.1	0.17			√	
		20x	0.5	2.1	0.17			√	
		40x	0.75	0.7	0.17			√	
		100x(Oil)	1.3	0.15	0.17	Oil		√	
Tube Lens FL=200mm Parfocal Length = 45mm	Semi-APO Metallurgical Objectives	5x	0.15	2	-				
		10x	0.3	11	-				
		20x	0.45	3	-				
		50x（APO）	0.8	1	-				
		100x（APO）	0.9	1	-				

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		Magnification	NA	W.D. (mm)	Cover glass thickness (mm)	Immersion	Spring loaded	Fluorescence	Phase contrast
Tube Lens FL=200mm Parfocal Length = 60mm	Polarizing Objectives	4x	0.1	30	0.17				
		10x	0.25	10.2	0.17				
		20x	0.4	12	0.17				
		40x	0.65	0.7	0.17				
		60x	0.8	0.3	0.17				
		100x(Oil)	1.25	0.2	0.17	Oil			
Tube Lens FL=200 Parfocal Length = 60mm	Semi-APO Fluorescent Objectives	4x	0.13	17.2	0.17				
		10x	0.3	16	0.17				
		20x	0.5	2.1	0.17				
		40x	0.75	1.5	0.17				
		100x	1.4	0.16	0.17	Oil			
Tube Lens FL=200mm Parfocal Length = 60mm	Semi-APO Fluorescent Phase Contrast Objectives	4x	0.13	17.2	0.17			√	√
		10x	0.3	16	0.17			√	√
		20x	0.5	2.1	0.17			√	√
		40x	0.75	1.5	0.17			√	√
		100x	1.4	0.16	0.17	Oil		√	√
Tube Lens FL=200mm Parfocal Length = 60	Semi-APO Fluorescent Phase Contrast Objectives	10x	0.3	7.4	1.2			√	√
		20x	0.45	7.5-8.8	0-2			√	√
		40x	0.6	3-4.4	0-2			√	√
		60x	0.7	1.8-2.6	1-1.3			√	√
Tube Lens FL = 200mm Parfocal Length = 60mm	Semi-APO Fluorescent Phase Contrast Objectives	4x	0.3	16.5	1.2			√	
		10x	0.3	7.4	1.2			√	
		20x	0.45	8	1.2			√	
		40x	0.6	3.6	1.2			√	
		60x	0.7	1.9	1.2			√	
Tube Lens FL= 200mm Parfocal Length = 45mm	Infinite Plan Achromatic Objectives	4x	0.1	20.6	0.17				
		10x	0.25	18	0.17				
		40x	0.65	1.5	0.17				
		100x	1.1	0.16	0.17	Water			
		100x	1.25	0.2	0.17	Oil			
Tube Lens FL= 200mm Parfocal Length = 60mm	Infinite Plan Achromatic Objectives	4x	0.1	30	0.17				
		10x	0.25	10.2	0.17				
		40x	0.65	1.5	0.17				
		100x	1.1	0.16	0.17	Water			
		100x	1.25	2	0.17	Oil			

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