

GX Wolf Microscopes

product datasheet

Objectives and Lenses

Wolf Laboratories are one of the largest suppliers of objectives to OEM customers. Objectives are available in minimum quantities of 5 and represent excellent value for money and are of high quality. Wolf Laboratories supply additional objectives to individual customers only when purchased with a microscope.

The objectives include ranges for upright biological and materials microscopes, inverted microscopes, phase contrast, fluorescence and auxiliary objectives for stereo microscopes and monozoom microscopes. A selection of objectives for upright and inverted microscopes is shown in this datasheet.

Achromatic Objective

Objective	N.A.	W.D. (mm)	F.D. (mm)
4X	0.1	37.4	31
10X	0.25	6.6	16.2
20X	0.4	1.85	8.8
40X	0.65	0.64	4.8
60X	0.85	0.2	3.1
100X(oil)	1.25	0.19	1.9

Semi-plan Achromatic Objective

Objective	N.A.	W.D. (mm)	F.D. (mm)
4X	0.1	23.1	30.1
10X	0.25	4.1	16.3
20X	0.4	1.97	8.9
40X	0.65	0.6	4.6
100X(oil)	1.25	0.38	2.6

Plan Achromatic Objective

Objective	N.A.	W.D. (mm)	F.D. (mm)
4X	0.1	17.9	28.9
5X	0.12	18.3	25.5
10X	0.25	8.8	15.6
20X	0.4	8.6	8.2
25X	0.4	0.65	6.8
40X	0.65	0.56	4.4
100X(oil)	1.25	0.33	2.6



Nosepieces for Objective Turrets



Objectives for Stereo Microscopes

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UIS Achromatic Objective

Objective	N.A.	W.D. (mm)	F.D. (mm)
4X	0.1	18.89	50
10X	0.25	5.95	20
40X	0.65	0.78	5.1
100X(oil)	1.25	0.36	2

UIS Semi-plan Achromatic Objective

Objective	N.A.	W.D. (mm)	F.D. (mm)
4X	0.1	21	50
10X	0.25	5.9	20
40X	0.65	0.64	5
100X(oil)	1.25	0.36	2

UIS Plan Achromatic Objective

Objective	N.A.	W.D. (mm)	F.D. (mm)
4X	0.1	19.75	50.5
10X	0.25	5	20.1
40X	0.65	0.66	5
100X(oil)	1.25	0.36	2

Fluorescence Objective

Objective	N.A.	W.D. (mm)	F.D. (mm)
25X	0.65	0.62	7
40X(glyc)	1	0.25	6.9
100X(glyc)	1.25	0.185	2.8

Long-W.D. Objective (Cover Glass 1.2mm)

Objective	N.A.	W.D. (mm)	F.D. (mm)
10X	0.25	8.1	15.6
25X	0.4	4.8	6.7
40X	0.6	3.3	4.3

Phase Contrast Achromatic Objective

Objective	N.A.	W.D. (mm)	F.D. (mm)
10X	0.25	6.6	16.2
20X	0.4	1.85	8.8
40X	0.65	0.64	4.8
100X(oil)	1.25	0.19	1.9

Phase Contrast Plan Achromatic Objective

Objective	N.A.	W.D.(mm)	F.D.(mm)
10X	0.25	8.8	15.6
20X	0.4	8.6	8.2
25X	0.4	0.65	6.8
40X	0.65	0.56	4.4
100X(oil)	1.25	0.33	2.6

Negative Phase Contrast Achromatic Objective (Objective Length 35mm)

Objective	N.A.	W.D.(mm)	F.D.(mm)
10X	0.25	6.7	16.2
20X	0.4	1.87	8.8
40X	0.65	0.64	4.8

Long-F.D. Phase Contrast Plan Achromatic Objective and Plan Negative

Phase Contrast Objective (Cover Glass 1.2mm)

Objective	N.A.	W.D.(mm)	F.D.(mm)
10X	0.25	8.1	15.6
25X	0.4	4.8	6.7
40X	0.6	3.3	4.3
10X (Negative)	0.25	8.1	15.6

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Achromatic Objective (Objective Length 35mm)

Objective	F.D.	F.D.(mm)	F.D.(mm)
4X	0.1	31.7	27.2
10X	0.25	6.7	
20X	0.4	1.87	8.8
40X	0.65	0.64	4.8
60X	0.85	0.2	3.1
100X(oil)	1.25	0.19	1.93

19) Plan Achromatic Objective (No Cover Glass)

Objective	F.D.	F.D.(mm)	F.D.(mm)
25X	0.4	0.76	6.8
40X	0.65	0.69	4.4
60X	0.85	0.26	2.9
100X(oil)	1.25	0.5	

20) Achromatic Objective (No Cover Glass)

Objective	F.D.	F.D.(mm)	F.D.(mm)
20X	0.4	1.96	8.8
60x	0.85	0.2	3.1
100X (oil)	1.25	0.36	1.9

21) Semi-plan Achromatic Objective (No Cover Glass)

Objective	F.D.	F.D.(mm)	F.D.(mm)
40X	0.65	0.55	4.6

22) Long-F.D. Plan Achromatic Objective (No Cover Glass)

Objective	F.D.	F.D.(mm)	F.D.(mm)
20X	0.4	8.71	8.2
25X	0.4	4.78	6.7
40X	0.6	3.73	4.4
50X	0.7	2.02	3.5
80X	0.8	0.96	2.1

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