

1.0X Plan Achromatic 0.09 NA Z Series Microscope



#68-774 + #68-782 + #68-785

Stock **#68-782** [CONTACT US](#)

- 1 + A\$832⁰⁰

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Volume Pricing

Qty 1-4	A\$832.00 each
Qty 5-9	A\$790.40 each
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General

Plan Achromatic **Type:**

Optical Properties

1.0X **Magnification:**

0.09 **Numerical Aperture NA:**

Working Distance (mm):

Regulatory Compliance

Certificate of Conformance:

[View](#)

Product Details

- Capable of Achieving Magnifications from 2.4X - 320X
- Modular Design for Maximum Customizability
- Ergonomic Option to Prevent Repeat Use Injuries
- Requires [#88-609](#) for 0.3X or 0.5X Objectives

These Z Series Modular Zoom Stereo Microscopes are the perfect choice to build a new inspection system with easy to use components. With 3 zoom range options and multiple objectives and eyepieces, these systems can be customized to meet your exact needs. Optional components include a photoport insert and C-Mount adapter to connect directly to C-Mount cameras, as well as, [LED Ring Light Illuminators](#). When utilizing the 0.3X or 0.5X objectives, the Riser Adapter, [#88-609](#), is required.

Technical Information

Description			Stock No.
Main Body	One Required	0.8X - 8.0X Zoom Body Z Series Microscope, Z10	#68-772
		0.8X - 6.4X Zoom Body Z Series Microscope, Z8	#68-773
		0.8X - 5.0X Zoom Body Z Series Microscope, Z6	#68-774
Viewing Head	One Required	Binocular Microscope Head 20° Incline	#68-775
		Ergonomic Microscope Head 0-35° Incline	#68-776
Eyepieces	Two Required	WF 10X Eyepiece with 24mm FOV, Compatible w/ 26.5mm Reticle	#68-777
		WF 15X Eyepiece with 16mm FOV, Compatible w/ 20.0mm Reticle	#68-778
		WF 20X Eyepiece with 12.5mm FOV, Not Reticle Compatible	#68-779
Objective	One Required	0.3X Achromatic Z Series Objective, 0.03 NA, 280mm WD	#68-780
		0.5X Plan Achromatic Z Series Objective, 0.05 NA, 126mm WD	#68-781
		1.0X Plan Achromatic Z Series Objective, 0.09 NA, 78mm WD	#68-782
		2.0X Plan Achromatic Z Series Objective, 0.02 NA, 32.5mm WD	#68-783
Riser Objective	One Required, if using 0.3X or 0.5X Objective	Rise Adapter	#88-609
Stand	One Required	Standard Microscope Stand with 76mm Holder	#68-784
		Variable LED Microscope Stand with 76mm Holder	#68-785

Objective	Working Distance (mm)	10X Eyepieces					
		Z10 (0.8X - 8.0X)		Z8 (0.8X - 6.4X)		Z6 (0.8X - 5.0X)	
		Magnification	FOV (mm)	Magnification	FOV (mm)	Magnification	FOV (mm)
0.3X	280	2.4X - 24X	100 - 10	2.4X - 19.5X	100 - 12.3	2.4X - 15X	100 - 16
0.5X	126	4X - 40X	60 - 6	4X - 32.5X	60 - 70.4	4X - 25X	60 - 9.6
1.0X	78	8X - 80X	30 - 3	8X - 65X	30 - 3.7	8X - 50X	30 - 4.8
2.0X	32.5	16X - 160X	15 - 1.5	16X - 130X	15 - 1.85	16X - 100X	15 - 2.4
Objective	Working Distance (mm)	15X Eyepieces					
		Z10 (0.8X - 8.0X)		Z8 (0.8X - 6.4X)		Z6 (0.8X - 5.0X)	
		Magnification	FOV (mm)	Magnification	FOV (mm)	Magnification	FOV (mm)
0.3X	280	3.6X - 36X	66.7 - 6.67	3.6X - 29.3X	66.7 - 8.2	3.6X - 22.5X	66.7 - 10.67
0.5X	126	6X - 60X	40 - 4	6X - 52X	40 - 4.9	6X - 37.5X	40 - 6.4
1.0X	78	12X - 120X	20 - 2	12X - 97.5X	20 - 2.5	12X - 75X	20 - 3.2
2.0X	32.5	24X - 240X	10 - 1	24X - 195X	10 - 1.23	24X - 150X	10 - 1.6
Objective	Working Distance (mm)	20X Eyepieces					
		Z10 (0.8X - 8.0X)		Z8 (0.8X - 6.4X)		Z6 (0.8X - 5.0X)	
		Magnification	FOV (mm)	Magnification	FOV (mm)	Magnification	FOV (mm)
0.3X	280	4.8X - 48X	50 - 5	4.8X - 39X	50 - 6.15	4.8X - 30X	50 - 8
0.5X	126	8X - 80X	30 - 3	8X - 65X	30 - 3.7	8X - 50X	30 - 4.8
1.0X	78	16X - 160X	15 - 1.5	16X - 130X	15 - 1.85	16X - 100X	15 - 2.4
2.0X	32.5	32X - 320X	7.5 - 0.75	32X - 260X	7.5 - 0.9	32X - 200X	7.5 - 1.2