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2.0X Plan Achromatic 0.02 NA Z Series Microscope



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



Stock **#68-783** [CONTACT US](#)

⊖ 1 ⊕ €1.880⁰⁰

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Volume Pricing

| | |
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| Qty 1-4 | €1.880,00 each |
| Qty 5-9 | €1.785,00 each |
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Plan Achromatic **Type:**

Optical Properties

2.0X **Magnification:**

| | |
|------|-------------------------------|
| 0.02 | Numerical Aperture NA: |
| 32.5 | Working Distance (mm): |

Regulatory Compliance

[View](#) **Certificate of Conformance:**

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 |

