

1.0X Plan Achromatic 0.09 NA Z Series Microscope



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

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

-

1

+

£416<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | £416.00 each                  |
| Qty 5-9        | £395.20 each                  |
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Prices shown are exclusive of VAT/local taxes

Product Downloads

| General            |                        |
|--------------------|------------------------|
| Plan Achromatic    | Type:                  |
| Optical Properties |                        |
| 1.0X               | Magnification:         |
| 0.09               | Numerical Aperture NA: |

|      |                        |
|------|------------------------|
| 78.0 | 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              | <a href="#">#68-772</a> |
|                 |                                               | 0.8X - 6.4X Zoom Body Z Series Microscope, Z8               | <a href="#">#68-773</a> |
|                 |                                               | 0.8X - 5.0X Zoom Body Z Series Microscope, Z6               | <a href="#">#68-774</a> |
| Viewing Head    | One Required                                  | Binocular Microscope Head 20° Incline                       | <a href="#">#68-775</a> |
|                 |                                               | Ergonomic Microscope Head 0-35° Incline                     | <a href="#">#68-776</a> |
| Eyepieces       | Two Required                                  | WF 10X Eyepiece with 24mm FOV, Compatible w/ 26.5mm Reticle | <a href="#">#68-777</a> |
|                 |                                               | WF 15X Eyepiece with 16mm FOV, Compatible w/ 20.0mm Reticle | <a href="#">#68-778</a> |
|                 |                                               | WF 20X Eyepiece with 12.5mm FOV, Not Reticle Compatible     | <a href="#">#68-779</a> |
| Objective       | One Required                                  | 0.3X Achromatic Z Series Objective, 0.03 NA, 280mm WD       | <a href="#">#68-780</a> |
|                 |                                               | 0.5X Plan Achromatic Z Series Objective, 0.05 NA, 126mm WD  | <a href="#">#68-781</a> |
|                 |                                               | 1.0X Plan Achromatic Z Series Objective, 0.09 NA, 78mm WD   | <a href="#">#68-782</a> |
|                 |                                               | 2.0X Plan Achromatic Z Series Objective, 0.02 NA, 32.5mm WD | <a href="#">#68-783</a> |
| Riser Objective | One Required, if using 0.3X or 0.5X Objective | Rise Adapter                                                | <a href="#">#88-609</a> |
| Stand           | One Required                                  | Standard Microscope Stand with 76mm Holder                  | <a href="#">#68-784</a> |
|                 |                                               | Variable LED Microscope Stand with 76mm Holder              | <a href="#">#68-785</a> |

| 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    |