

# VAN GUARD

## 1200ZP & 1200ZB Series

- Professional Level
- Zoom Magnification (6.5:1)
- Pole Stand Or Boom Stand Bases
- Precision Optics

VanGuard 1200ZP & 1200ZB Series Stereo Microscopes feature a zoom magnification range of 7X to 45X (w/ 10X eyepieces). The precision stereo optics produce high-resolution, three-dimensional images. Choose from pole stand or boom stand bases. Optional eyepieces and supplementary lenses are available to customize any model for specific magnification requirements.



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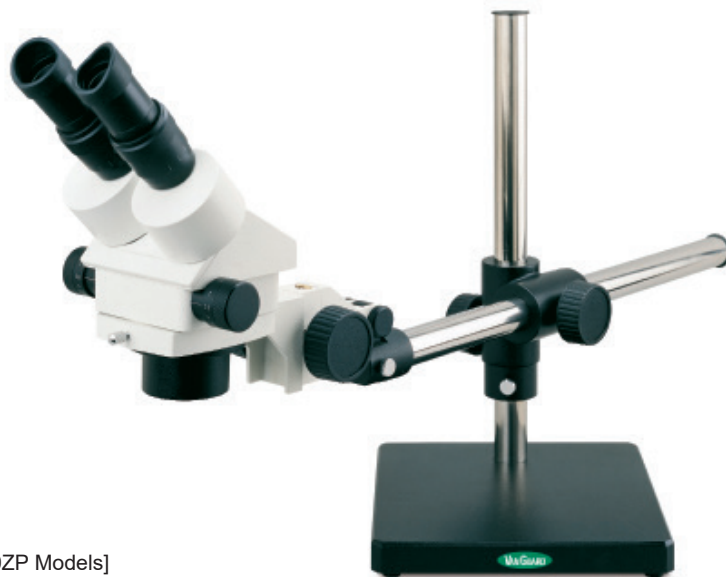
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## Specifications

|                                       |                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Viewing Head:</b>                  | Binocular or Trinocular                                                                                |
| <b>Head Rotation:</b>                 | 360°                                                                                                   |
| <b>Head Inclination:</b>              | 45°                                                                                                    |
| <b>Interpupillary Adjustment:</b>     | 55-90mm                                                                                                |
| <b>Dioptric Adjustment:</b>           | -5 to +5                                                                                               |
| <b>Eyepiece Magnification:</b>        | 10X Widefield                                                                                          |
| <b>Eyepiece Field Number:</b>         | 20mm                                                                                                   |
| <b>Optional Eyepieces:</b>            | 15X (Field Diameter: 15mm)<br>20X (Field Diameter: 12mm)                                               |
| <b>Optional Supplementary Lenses:</b> | 0.5X, 1.0X, 1.5X, & 2.0X                                                                               |
| <b>Stereo Zoom Objectives:</b>        | 0.7X to 4.5X                                                                                           |
| <b>Working Distance:</b>              | 93mm                                                                                                   |
| <b>Pod Ring I.D.:</b>                 | 85mm                                                                                                   |
| <b>Stage Plate:</b>                   | Black/White Reversible [1200ZP Models]                                                                 |
| <b>Stage Clips:</b>                   | Stainless Steel, Spring-Loaded, Locked-On [1200ZP Models]                                              |
| <b>Focusing Movement:</b>             | Dual Knobs; Rack & Pinion Assembly; Tension Control; Slip-Clutch Mechanism                             |
| <b>Vertical Travel:</b>               | 85mm                                                                                                   |
| <b>Upper Illumination:</b>            | None                                                                                                   |
| <b>Lower Illumination:</b>            | None                                                                                                   |
| <b>Horizontal Base Pole:</b>          | 500mm Length; 415mm Travel [1200ZB Models]                                                             |
| <b>Vertical Base Pole:</b>            | 165mm Length; 100mm Travel [1200ZP Models]<br>390mm Length; 300mm Travel [1200ZB Models]               |
| <b>Base Dimensions:</b>               | 190mm x 150mm [1200ZP Models]<br>240mm x 260mm [1200ZB Models]                                         |
| <b>Overall Dimensions:</b>            | 190mm (L) x 150mm (W) x 430mm (H) [1200ZP Models]<br>815mm (L) x 240mm (W) x 420mm (H) [1200ZB Models] |
| <b>Weight:</b>                        | 5.6kg [1200ZP Models]<br>11.5kg [1200ZB Models]                                                        |
| <b>Supplied With:</b>                 | Eyecup (2), Dust Cover, Operation Manual                                                               |



## Magnification Configurations

| Eyepieces | Supplementary Lens | Zoom Range        | Field of View (mm) | Working Distance (mm) |
|-----------|--------------------|-------------------|--------------------|-----------------------|
| 10X       | 0.5X               | 3.5X to 22.5X     | 57.0 to 8.8        | 150                   |
| 10X       | 1.0X / None        | 7X to 45X         | 28.5 to 4.4        | 93                    |
| 10X       | 1.5X               | 10.5X to 67.5X    | 19.0 to 3.0        | 49                    |
| 10X       | 2.0X               | 14X to 90X        | 14.2 to 2.2        | 34                    |
| 15X       | 0.5X               | 5.25X to 33.75X   | 42.8 to 6.6        | 150                   |
| 15X       | 1.0X / None        | 10.5X to 67.5X    | 22.0 to 3.4        | 93                    |
| 15X       | 1.5X               | 15.75X to 101.25X | 14.2 to 2.2        | 49                    |
| 15X       | 2.0X               | 21X to 135X       | 11.0 to 1.7        | 34                    |
| 20X       | 0.5X               | 7X to 45X         | 34.0 to 5.3        | 150                   |
| 20X       | 1.0X / None        | 14X to 90X        | 17.0 to 2.6        | 93                    |
| 20X       | 1.5X               | 21X to 135X       | 11.0 to 1.7        | 49                    |
| 20X       | 2.0X               | 28X to 180X       | 8.5 to 1.3         | 34                    |

## Ordering Information

| Model  | Head       | Zoom Range (Primary) | Stand | Upper/Lower Illumination |
|--------|------------|----------------------|-------|--------------------------|
| 1275ZP | Binocular  | 0.7X to 4.5X         | Pole  | None                     |
| 1276ZP | Trinocular | 0.7X to 4.5X         | Pole  | None                     |
| 1277ZB | Binocular  | 0.7X to 4.5X         | Boom  | None                     |
| 1278ZB | Trinocular | 0.7X to 4.5X         | Boom  | None                     |