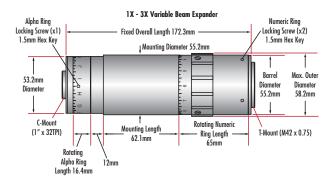
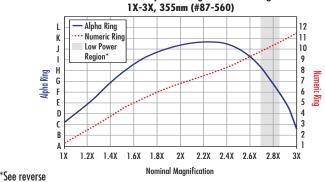


TECHSPEC® VARIABLE BEAM EXPANDER INSTRUCTIONS

1X-3X, 355nm, #87-560



Variable Beam Expander Magnification Settings



Beam expander magnification and collimation is set by adjusting both the Alpha and Numeric rings using the magnification settings chart as a guideline. Nominal magnification is indicated along the x-axis, and the settings of the Alpha and Numeric rings are indicated along the y-axes. The **blue curve** follows the rotation of the Alpha ring and the **red curve** follows the rotation of the Numeric ring. **Note:** These are nominal settings. Some adjustment for your individual application may be necessary for optimal performance.

To set the beam expander to a specific magnification:

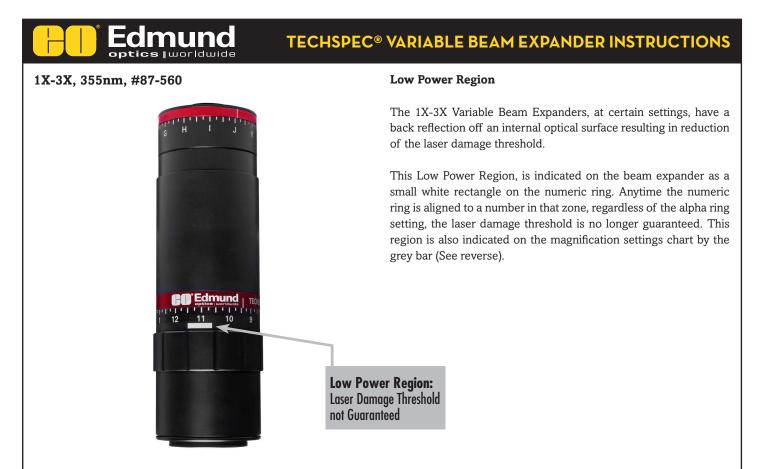
- Find the desired nominal magnification along the x-axis and trace a vertical line up through the blue and red curves.
- 2. The intersection of that vertical line with the **blue curve** corresponds to a letter on the left y-axis. Rotate the alpha ring to that location. Hash marks are provided between each letter on the ring to help dial in the required magnification.
- The intersection of that vertical line with the **red curve** corresponds to a number on the right y-axis. Rotate the numeric ring to that location. Hash marks are provided between each number on the ring to help dial in the required magnification.

For Example - To set a magnification of 1.4X, turn the alpha ring to G and the numeric ring to 4.

part #84132210

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