



## EXZ10.6-1.5-4X Zoom Beam Expanders for 10.6um

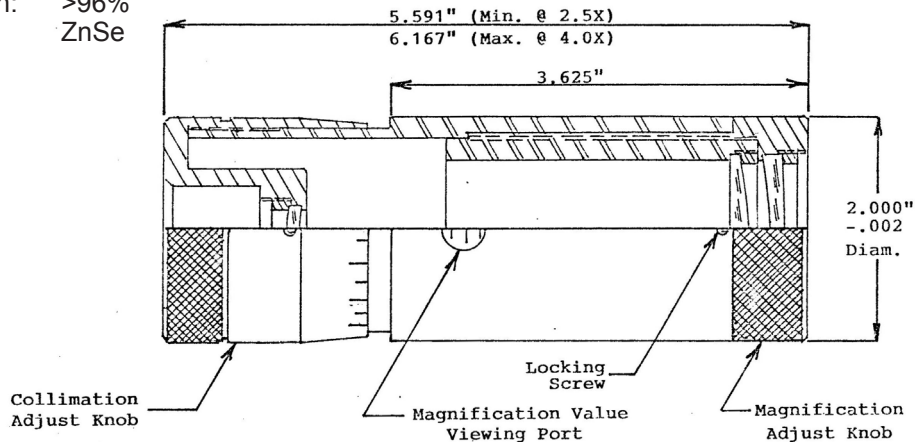
### 1.5-4X Magnification Ratio, with Collimation Adjustment

#### EXZ Series CO2 Zoom Expander

Designed for High Performance 10.6um/CO2 Laser System Applications, the EXZ Series offers the laser system integrator superior performance, high quality and excellent uniformity from unit to unit, in a small and precise package. Meticulous design coupled with stringent manufacturing and quality standards and high performance AR coatings produce a highly reliable unit you can depend on for your laser system. Magnification is set by rotation of the knurled ring on the output side of the unit to the desired setting in the magnification viewport and locked by a nylon tipped set screw. Collimation is then achieved by rotating the knurled ring on the input side of the unit to the required setting and locked by a nylon tipped set screw. The recommended mounting area is between the magnification adjustment and its viewport.

#### Specifications

Wavelength: 10.6um  
 Magnification: 1.5-4X  
 Input Aperture: 8.8mm  
 Output Aperture: 30.2mm  
 Wavefront:  $\lambda/8$  or better  
 Transmission: >96%  
 Elements: ZnSe



#### Collimation Setting for Magnification Values

Magnification	1.5X	1.7X	2.0X	2.25X	2.5X	2.75X	3.0X	3.25X	3.5X	3.75X	4.0X
Collimation	0.551	0.262	0.095	0.035	0	0.055	0.119	0.201	0.3	0.457	0.576

All dimensions in millimeters unless specified otherwise, specifications subject to change without notice.

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