

### High-Power YAG Beam Expanders

#### Specifications

- 2.5X, 5X, 10X, or 20X Beam Expansion
- Diverge, Collimate, or Focus a Beam
- Sliding Collimation Adjustment
- Best Form Narrowband AR-Coated Lenses
- High Damage Threshold of 2 GW/cm<sup>2</sup>
- Removable Endcap Protects C-Mount Threading



The lenses selected for use in this series are our minimum aberration LLQ-Series. These lenses are in optical grade fused silica: the multilayer antireflection coatings are peaked at 1064nm below, and the pair of lenses will transmit >96%

<b>Catalog Number</b>	<b>Expansion Ratio</b>	<b>Max.Input Beam Dia*</b>	<b>Output Aperture</b>
ELQ-25-2.5X-YAG or 532	2.5X	4 mm	22 mm
ELQ-25-5X-YAG or 532	5X	3 mm	22 mm
ELQ-25-10X-YAG or 532	10X	2 mm	22 mm
ELQ-25-20X-YAG or 532	20X	1 mm	22 mm
ELQ-51-7.5X-YAG or 532	7.5X	6 mm	48 mm
ELQ-51-10X-YAG or 532	10X	4 mm	48 mm
ELQ-51-15X-YAG or 532	15X	3 mm	48 mm
ELQ-51-20X-YAG or 532	20X	2 mm	48 mm
ELQ-51-40X-YAG or 532	40X	1 mm	48 mm

\*Exceeding "Maximum Input Beam Diameter" will increase wavefront distortion beyond  $\lambda/4$ .

Please contact Qbic Laser system Inc for larger input beam diameter.

<b>Laser</b>	<b><math>\lambda</math> (nm)</b>
Nd:YAG	1064 or 532