

TECHSPEC® Vega™ Nd:YAG Laser Line Beam Expanders

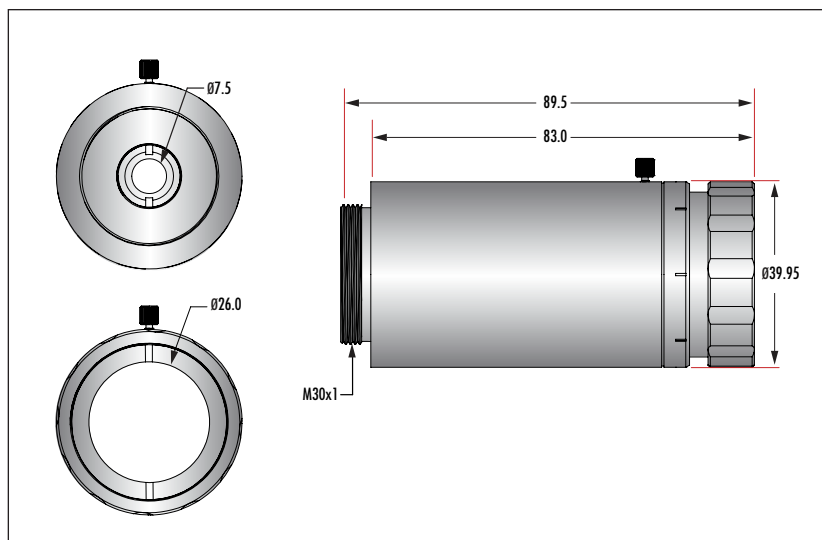
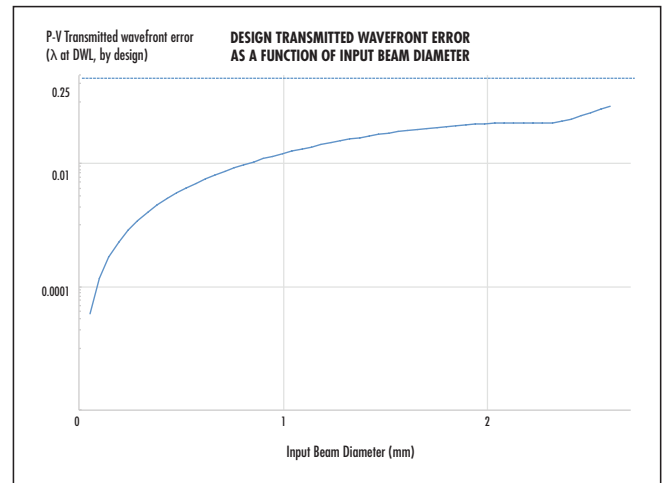
1064nm • 10X #35-117

- $\lambda/10$ Transmitted Wavefront Error
- Fused Silica Substrate Offers Excellent Price and Performance
- Divergence Adjustment to Compensate for Input Beam Divergence
- TECHSPEC® Vega™ Broadband Beam Expanders Also Available

TECHSPEC® Vega™ Nd:YAG Laser Line Beam Expanders are designed for demanding laser applications including laser materials processing, medical, and research. These compact beam expanders are optimized at Nd:YAG wavelengths for high performance transmitted wavefront, with most designs achieving better than $\lambda/10$ transmitted wavefront error. TECHSPEC® Vega™ Nd:YAG Laser Line Beam Expanders easily mount with M30 x 1 threading and provide excellent value both for single unit purchases as well as volume integration.

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| Design Wavelength (DWL): | 1064nm |
| Magnification: | 10X |
| Maximum Input Aperture (mm): | 7.5 |
| Divergence Adjustable: | ✓ |
| Maximum Output Aperture (mm): | 26mm |
| Length (Without Threads): | 83mm |
| Housing Outer Diameter (mm): | 39.95mm |
| Weight: | 176g |
| Damage Threshold: | 10 J/cm ² at 1064nm at 10ns at 20Hz |
| Transmission @ DWL: | >98.5 (nominal) |
| Lens Material: | UV Fused Silica |
| *Mounting Thread: | M30 x 1 |

*Adapters available to C-Mount, SM01, M22 x 0.75, M24 x 0.5, M16 x 0.75



For more cost sensitive applications that don't require divergence adjustment, see our Scorpii™ Nd:YAG Beam expanders. For applications that require sliding optics or larger input apertures, please see our Draco-nis™ Nd:YAG Laser Line Beam Expanders.