

TECHSPEC® Vega™ Nd:YAG Laser Line Beam Expanders

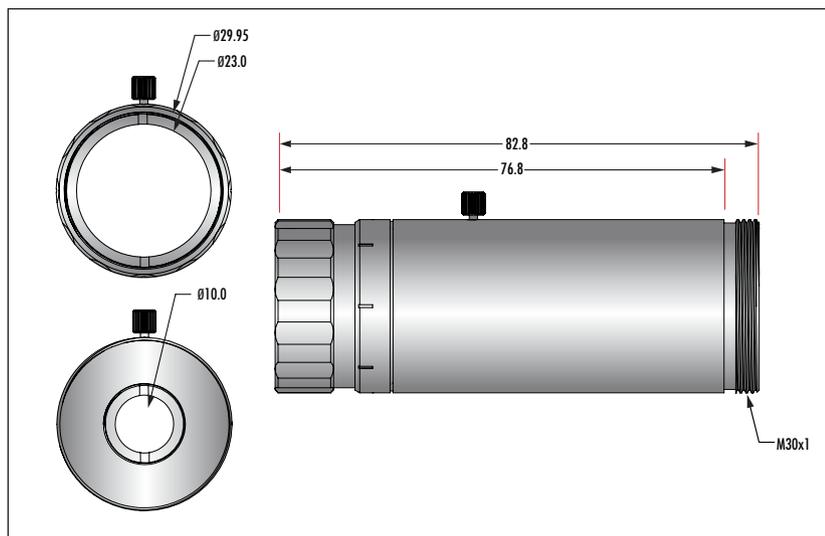
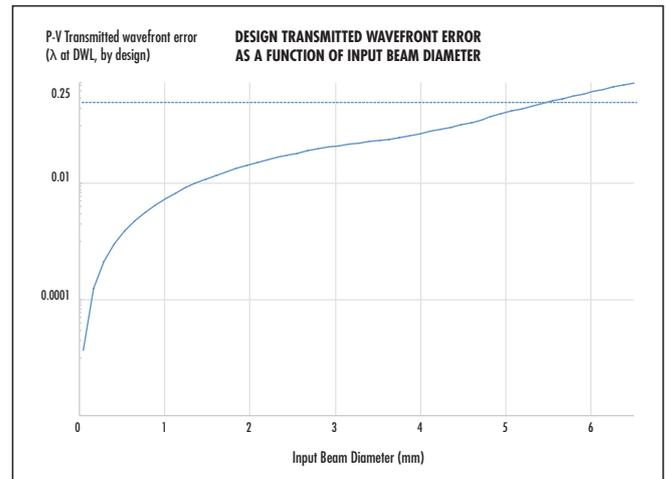
355nm • 3X #35-097

- $\lambda/10$ 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.

Design Wavelength (DWL):	355nm
Magnification:	3X
Maximum Input Aperture (mm):	10
Divergence Adjustable:	✓
Maximum Output Aperture (mm):	23mm
Length (Without Threads):	77.1mm
Housing Outer Diameter (mm):	29.95mm
Weight:	72g
Damage Threshold:	2.5 J/cm ² at 355nm at 10ns at 20Hz
Transmission @ DWL:	>99 (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.