

TECHSPEC® Vega™ Nd:YAG Laser Line Beam Expanders

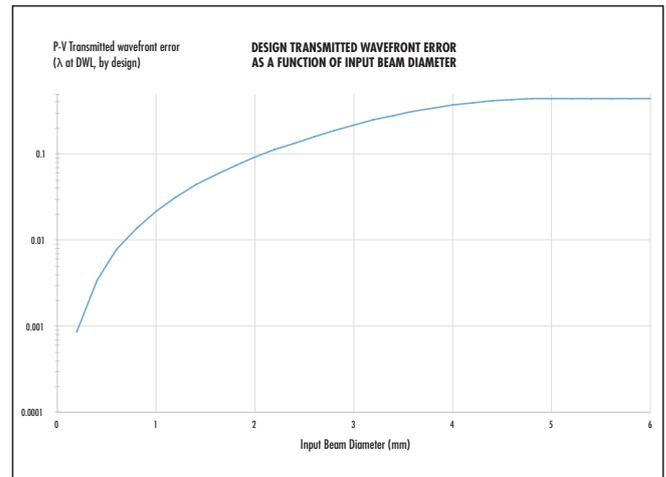
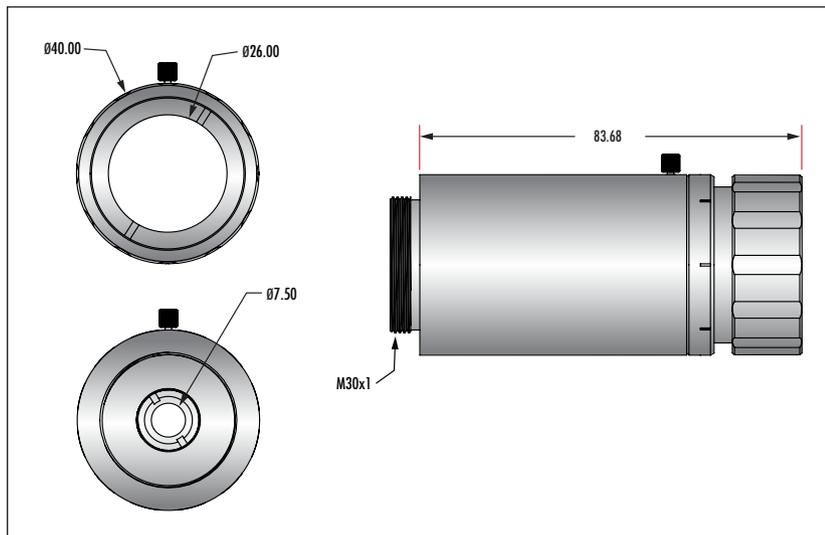
1064nm • 5X #35-103

- $\lambda/10$ 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):	1064nm
Magnification:	5X
Maximum Input Aperture:	8mm
Divergence Adjustable:	✓
Maximum Output Aperture:	30mm
Length (With Threads):	90mm
Housing Outer Diameter:	40mm
Weight:	91g
Damage Threshold:	10 J/cm ² @ 10ns, 20Hz, 1064nm
Transmission @ DWL:	>99 (nominal)
Lens Material:	Fused Silica
Coating:	R _{obs} < 0.25% @ 1064nm
*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™ Nd:YAG Laser Line Beam Expanders.