TECHSPEC® VEGA™ Nd:YAG LASER LINE BEAM EXPANDERS

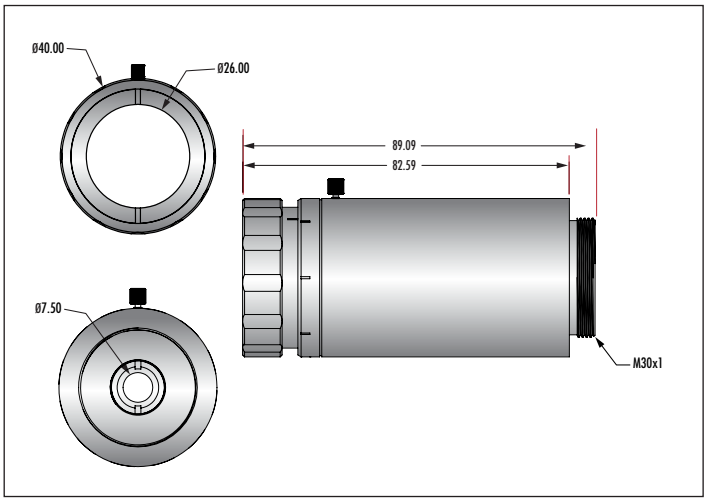
405nm • 10X #37-999

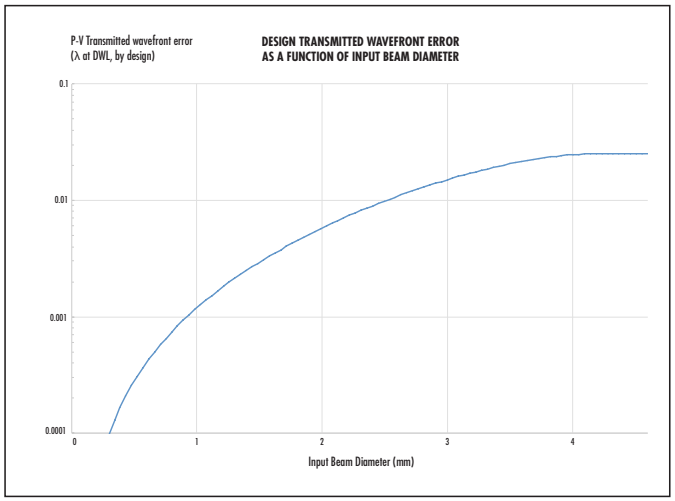
- λ/10 Transmitted Wavefront Error
- Fused Silica Substrate Offers Excellent Price and Performance
- Divergence Adjustment to Compensate for Input Beam Divergence
- TECHSPEC® Vega™ Broadband Beam Expanders Also Available

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 λ/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.

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 Draconis™ Nd:YAG Laser Line Beam Expanders.

Design Wavelength (DWL):	405nm
Magnification:	10X
Maximum Input Aperture:	7.5mm
Divergence Adjustable:	✓
Maximum Output Aperture:	26mm
Length (Without Threads):	82.6mm
Housing Outer Diameter:	39.95mm
Weight:	172g
Damage Threshold:	3.0 J/cm² @ 10ns, 20Hz, 405nm
Transmission @ DWL:	>98.5 (nominal)
Lens Material:	Fused Silica
Coating:	R_{abs} <0.25% @ 405nm
Mounting Thread:	M30 x 1





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