TECHSPEC® VEGA™ Nd:YAG
LASER LINE BEAM EXPANDERS
532nm • 20X #35-120

- 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):	532nm
Magnification:	20X
Maximum Input Aperture:	4.5mm
Divergence Adjustable:	Rotating Optics
Maximum Output Aperture:	31.5mm
Length (With Threads):	126.8mm
Housing Outer Diameter:	48mm
Damage Threshold:	5 J/cm² @ 532nm, 10ns, 20Hz
Transmission @ DWL:	>98.5% (nominal)
Lens Material:	Fused Silica
Coating:	R_{abs} <0.25% @ 532nm
Mounting Thread:	M30 x 1

**DESIGN TRANSMITTED WAVEFRONT ERROR
AS A FUNCTION OF INPUT BEAM DIAMETER**

Edmund optics | worldwide