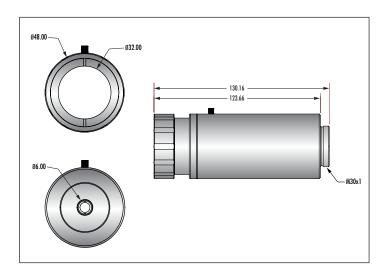
## TECHSPEC<sup>®</sup> VEGA<sup>™</sup> Nd:YAG LASER LINE BEAM EXPANDERS 1064nm • 20X #35-121



- Fused Silica Substrate Offers Excellent Price and Performance
- Divergence Adjustment to Compensate for Input Beam Divergence
- TECHSPEC<sup>®</sup> Vega<sup>™</sup> Broadband Beam Expanders Also Available

TECHSPEC<sup>®</sup> Vega<sup>™</sup> 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<sup>®</sup> 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<sup>™</sup> Nd:YAG Beam expanders. For applications that require sliding optics or larger input apertures, please see our Draconis<sup>™</sup> Nd:YAG Laser Line Beam Expanders.





Design Wavelength (DWL):	1064nm
Magnification:	20X
Maximum Input Aperture:	6mm
Divergence Adjustable:	$\checkmark$
Maximum Output Aperture:	32mm
Length (Without Threads):	121.3mm
Housing Outer Diameter:	48mm
Weight:	436g
Damage Threshold:	10 J/cm² @ 10ns, 20Hz, 1064nm
Transmission @ DWL:	>98.5 (nominal)
Lens Material:	Fused Silica
Coating:	R <sub>abs</sub> <0.25% @ 1064nm
Mounting Thread:	M30 x 1

