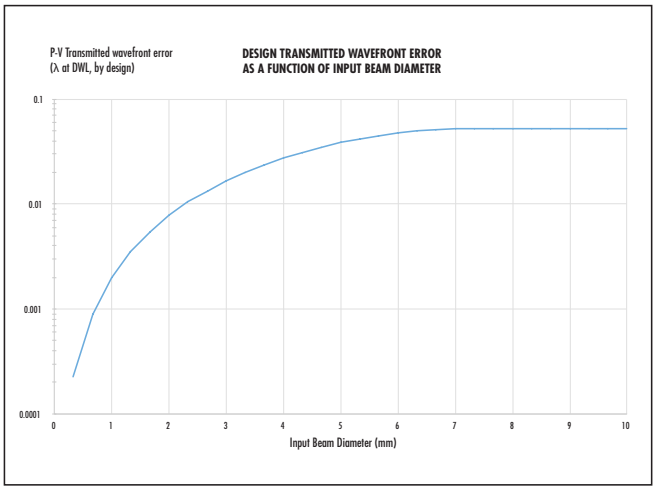
TECHSPEC®
2µm Low Power Vega™ Broadband Beam Expanders
1940nm • 2X #37-376

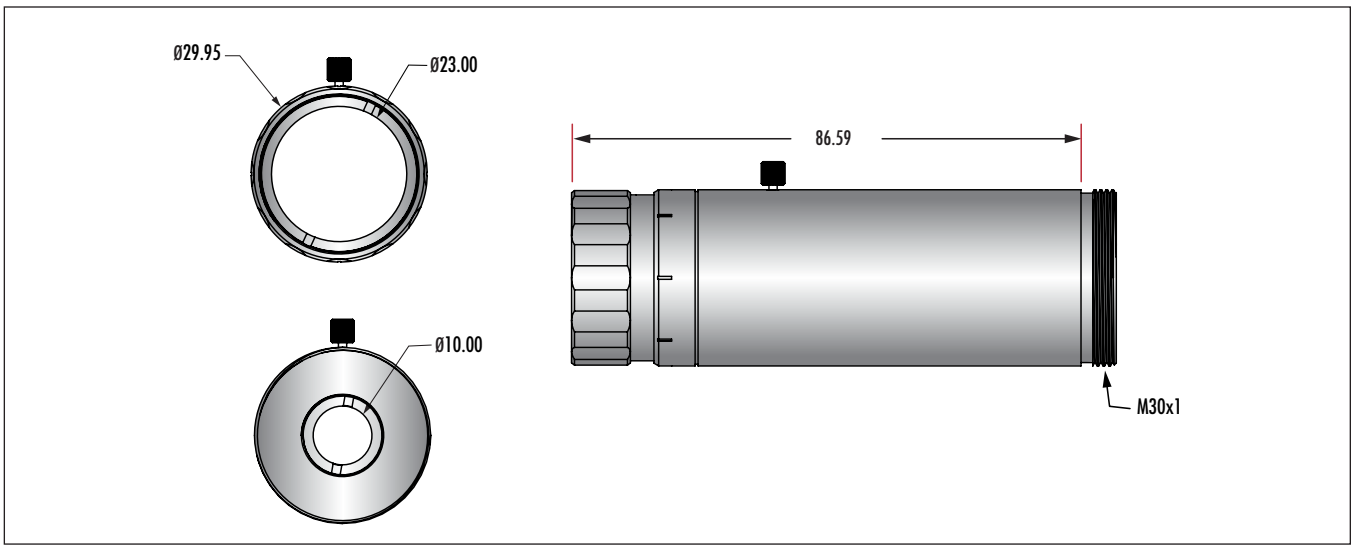
- Broadband Designs for Tunable Lasers
- λ/10 Transmitted Wavefront Error
- Divergence Adjustment to Compensate for Input Beam Divergence
- TECHSPEC® Vega™ Nd:YAG Laser Line Beam Expanders Also Available

TECHSPEC® Vega™ Broadband Beam Expanders are designed for demanding tunable laser sources. These compact beam expanders are optimized at a wide range of wavelengths, with designs achieving λ/10 transmitted wavefront error and no internally focusing ghost images for compatibility with high power lasers. TECHSPEC® Vega Broadband Beam Expanders are easily integrated into prototype and advanced applications, while maintaining quality across the adjustment range. They are ideal for medical laser applications employing highly tunable Thulium and Holmium sources.

Design Wavelength (DWL):	1940nm
Magnification:	2X
Maximum Input Aperture:	10mm
Divergence Adjustable:	✓
Maximum Output Aperture:	23mm
Length (With Threads):	85mm
Housing Outer Diameter:	29.95mm
Weight:	76g
Damage Threshold:	–
Transmission @ DWL:	>99 (nominal)
Lens Material:	Fused Silica 7980
Coating:	R_{avg} <0.1% @ 1940 - 1950nm R_{avg} <0.5% @ 1900 - 2100nm R_{avg} <0.25% @ 2000 - 2100nm
***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 information on beam expanders and their application, please see online for our Technical Resource: **Application Note on Beam Expanders**

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