

4X, 355nm Jenoptik Fixed Beam Expander

See More by [Jenoptik](#)



Stock #73-105 [CONTACT US](#)

1 **£911^{.00}**

ADD TO CART

Volume Pricing	
Qty 1-4	£911.00 each
Qty 5+	£821.00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads	
STEP:stp	IGES:igs
Spec Sheets:pdf	Zemax:zip
eDrawing:eprt	
EO Spec Sheet	Download All

General

Type: Beam Expander	Note: Diffraction Limited up to an 1/e ² Diameter of 5mm
Style: Fixed Magnification	

Physical & Mechanical Properties

Length (mm): 126.50	Weight (g): 601
----------------------------	------------------------

Optical Properties

Entrance Aperture (mm): 12	Exit Aperture (mm): 40
Expansion Power: 4X	Transmission (%): 99
Design Wavelength DWL (nm): 355	Damage Threshold, Reference: CW: 1.0 MW/cm ² Pulsed (ns): 1.0 J/cm ²
GDD Specification (fs²): 1171	

Threading & Mounting

Mounting Threads: Input: M30 x 1 Output: M50 x 1	
---	--

Regulatory Compliance

Certificate of Conformance: View	
---	--

Product Details

- Ideal for High-Power and Ultrashort Pulse Systems
- Fixed Magnifications Available from 1.5X to 8X
- Designed for Diffraction Limited Performance

Jenoptik Fixed Magnification Beam Expanders provide diffraction limited performance with high damage thresholds for the demanding requirements of laser materials processing. These beam expanders are coated to maximize transmission at Nd:YAG laser wavelengths of 266, 355, 532, and 1064nm are available in multiple fixed magnifications from 1.5X to 8X. A stainless-steel housing and optical elements made from robust quartz glass ensure maximum resistance and durability. Jenoptik Fixed Magnification Beam Expanders are ideal for a range of high-power laser material processing applications including cutting, welding, and engraving for metals, polymers, or ceramics. M50 x 1.0 threading on the front and M30 x 1.0 threading on the rear of the housing allow for ease of system integration as well as ease of setup for reverse operation.

Frequently Purchased Together



#84-346 - C-Mount Filter/Polarizer Holder, 1/4-20
£138.40

 

#35-474 - C-Mount Male to M30 x 1.0 Female Step-Up Adapter
£39.40

 

#39-176 - 25.4mm Dia., 1030nm, λ/4 High Energy Waveplate
£524.00

 

#73-115 - 4X, 532nm Jenoptik Fixed Beam Expander
£587.00