

4X, 1064nm Jenoptik Fixed Beam Expander

See More by [Jenoptik](#)



Stock **#73-125** **1 In Stock**

-

1

+

S\$1,053⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-4	S\$1,053.00 each
Qty 5+	S\$945.00 each
Need More?	Request Quote

Product Downloads

General	
Beam Expander	Type:
Diffraction Limited up to an 1/e ² Diameter of 5mm	Note:
Fixed Magnification	Style:
Physical & Mechanical Properties	
Length (mm):	

132.60	
	Weight (g):
297	
Optical Properties	
	Entrance Aperture (mm):
12	
	Exit Aperture (mm):
40	
	Expansion Power:
4X	
	Transmission (%):
99	
	Design Wavelength DWL (nm):
1064	
	Wavelength Range (nm):
1030 - 1080	
Damage Threshold, Reference: ☐	
CW: 5.0 MW/cm² Pulsed (ns): 5.0 J/cm²	
	GDD Specification (fs²):
161	
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.