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2X, 1064nm Jenoptik Fixed Beam Expander

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Stock **#73-124** **1 In Stock**

- 1 + **£569**.00

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Volume Pricing	
Qty 1-4	**£569.00** each
Qty 5+	**£512.00** each
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Product Downloads

General

Type:
Beam Expander

Note:
Diffraction Limited up to an 1/e² Diameter of 8mm

Style:
Fixed Magnification

Physical & Mechanical Properties

Length (mm):
93.00

Weight (g):
243

Optical Properties

Entrance Aperture (mm):
16

Exit Aperture (mm):
40

Expansion Power:
2X

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.

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