

2X, Coherent® CO₂ Beam Expander

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CO₂ Beam Expanders

Stock **#11-363** **3 In Stock**

-

1

+

A\$1,624^{.00}

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Volume Pricing	
Qty 1-4	A\$1,624.00 each
Qty 5-9	A\$1,472.00 each
Qty 10-24	A\$1,304.00 each
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General

Beam Expander

Type:

Fixed Magnification

Style:

Physical & Mechanical Properties

Length (mm):

53.65	
60	Weight (g):
30.48	Housing Diameter (mm):
Optical Properties	
11.43	Entrance Aperture (mm):
22.86	Exit Aperture (mm):
2X	Expansion Power:
Zinc Selenide (ZnSe)	Substrate: ☐
>99.4	Transmission (%):
0	Angle of Incidence (°):
High-Efficiency Anti-Reflective Coating (10.6µm)	Coating:
10600	Design Wavelength DWL (nm):
10400 - 10600	Wavelength Range (nm):
R _{abs} <0.2% @ 10.6µm	Coating Specification:
Rotating Optics	Divergence Adjustment:

Threading & Mounting	
Input: Male M25 x 1	Mounting Threads:

Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 224:
View	Certificate of Conformance:

Product Details

- Designed for CO₂ Laser Sources at 10.6µm
- Compact Housing for Easy System Integration
- Coherent® Infrared ZnSe Optical Elements

Coherent® CO₂ Beam Expanders are designed to collimate and improve the energy distribution of high power CO₂ laser beams. Featuring premier grade Zinc Selenide (ZnSe) optical elements from Coherent®, these beam expanders provide minimum beam deviation and greater than 99.4% transmission at 10.6µm. A high-efficiency anti-reflective coating on the ZnSe substrates results in reflectance less than 0.2% per surface and absorbance less than 0.1% per surface at 10.6µm. Coherent® CO₂ Beam Expanders feature a compact housing design with M25 input threading for easy integration into CO₂ laser systems. For additional expansion power options, please [contact us](#).

Note: II-VI Incorporated is now Coherent Corp.

Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools