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4X, Coherent® CO₂ Beam Expander

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CO₂ Beam Expanders

Stock **#11-364** **7 In Stock**

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1

+

C\$1,414^{.00}

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Volume Pricing	
Qty 1-4	C\$1,414.00 each
Qty 5-9	C\$1,274.00 each
Qty 10-24	C\$1,127.00 each
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General

Beam Expander	Type:
Fixed Magnification	Style:

Physical & Mechanical Properties

Length (mm):

56.82	
58	Weight (g):
30.48	Housing Diameter (mm):
Optical Properties	
11.43	Entrance Aperture (mm):
22.86	Exit Aperture (mm):
4X	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