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4X, Coherent® CO₂ Beam Expander

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CO₂ Beam Expanders

Stock **#11-364** **5 In Stock**

⊖ 1 ⊕ €1.010⁰⁰

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Volume Pricing	
Qty 1-4	€1.010,00 each
Qty 5-9	€910,00 each
Qty 10-24	€805,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Beam Expander **Type:**
Fixed Magnification **Style:**

Physical & Mechanical Properties

56.82	Length (mm):
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: <input type="checkbox"/>
>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:
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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