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2X, Coherent® CO₂ Beam Expander

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CO₂ Beam Expanders

Stock **#11-363** **1 In Stock**

MRP ₹1,02,404

1 Price inclusive of all taxes

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Volume Pricing	
Qty 1-4	₹1,02,404 each
Qty 5-9	₹92,819 each
Qty 10-24	₹82,226 each
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General

Beam Expander **Type:**

Fixed Magnification **Style:**

Physical & Mechanical Properties

53.65 Length (mm):

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:

Singapore Country of Origin:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000 Imported By:

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

