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## Sill Optics 355nm 0.9X - 4X Motorized Variable Beam Expander, S6EZM0940-574

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Sill Optics Motorized Variable Beam Expanders

Stock **#70-176** **1 In Stock**

⊖ 1 ⊕ C\$8,470<sup>00</sup>

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#### General

S6EZM0940-574 **Model Number:**

Beam Expander **Type:**

Continuous Variable Magnification **Style:**

#### Physical & Mechanical Properties

53.0 x 53.0 x 185.0	<b>Housing Diameter (mm):</b>
Anodized Aluminum	<b>Construction:</b>
<0.2	<b>Pointing Accuracy (mrad):</b>
<b>Optical Properties</b>	
12.00	<b>Entrance Aperture (mm):</b>
28.00	<b>Exit Aperture (mm):</b>
0.9X - 4X	<b>Expansion Power:</b>
Fused Silica (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
> 98	<b>Transmission (%):</b>
355	<b>Design Wavelength DWL (nm):</b>
355	<b>Wavelength Range (nm):</b>
343nm - 355nm R < 0.20% - low absorption	<b>Coating Specification:</b>
0.3 J/cm <sup>2</sup> per 1ps pulse at 100Hz	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>
Rotating Optics	<b>Divergence Adjustment:</b>

<b>Hardware &amp; Interface Connectivity</b>	
USB, RS232	<b>Connector:</b>

<b>Threading &amp; Mounting</b>	
M30 x 1.0	<b>Mounting Threads:</b>

<b>Environmental &amp; Durability Factors</b>	
10 - 40	<b>Operating Temperature (°C):</b>

<b>Regulatory Compliance</b>	
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

- Motorized Magnification Adjustment
- From 0.9X to 4X Variable Magnification
- Damage Threshold of 0.3 J/cm<sup>2</sup> (1ps, 100Hz)

Sill Optics Motorized Variable Beam Expanders are designed similarly to the standard [Sill Variable Beam Expanders](#) but feature motorized adjustment of the magnification. All optical elements within these beam expanders are constructed from fused silica substrates featuring a special low-absorption coating to minimize thermal effects. These beam expanders can withstand the high thermal strain of small beam diameters and provide stable and reliable performance while utilizing high average or high peak power lasers. Sill Optics Motorized Variable Beam Expanders are available for use with 355nm wavelengths and feature high damage thresholds for pulsed lasers up to 0.3 J/cm<sup>2</sup> (1ps, 100Hz). These motorized beam expanders are ideal for high power laser applications where magnification changes may be required, such as prototyping, solar cell manufacturing, confocal microscopy, or R&D.