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Sill Optics Fixed Beam Expanders See More by [Sill Optics](#)



- Fused Silica Optical Elements Reduce Thermal Expansion
- 1.5X, 2.5X, and 3X Fixed Magnification Options Available
- High Damage Thresholds up to 5.0 J/cm² (1ns, 50Hz)

Common Specifications

Physical & Mechanical Properties

Housing Diameter (mm):	44.00	Length (mm):	44.70
Weight (g):	0.20	Pointing Accuracy (mrad):	<1

Optical Properties

Coating:	1064	Coating Specification:	1030nm - 1090nm R < 0.20% - low absorption
Design Wavelength DWL (nm):	1064	Exit Aperture (mm):	26.00
Substrate:	Fused Silica	Transmission (%):	>99
Wavelength Range (nm):	1030 - 1090	Damage Threshold, By Design:	5.0 J/cm ² per 1ns pulse at 50Hz
Divergence Adjustment:	Rotating Optics		

Threading & Mounting

Mounting Threads:	M30 x 1.0
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Technical Information

Products

Wavelength Range (nm)	Length (mm)	Expansion Power	Entrance Aperture (mm)	Exit Aperture (mm)	Mounting Threads	Stock Number	Price	Buy
1030 - 1090	44.70	2X	12.00	26.00	M30 x 1.0	#70-161	C\$1,388.66 Volume Pricing	2 In Stock
1030 - 1090	44.70	1.5X	12.00	26.00	M30 x 1.0	#70-164	C\$1,388.66 Volume Pricing	3 In Stock
1030 - 1090	44.70	2.5X	11.00	26.00	M30 x 1.0	#70-168	C\$1,388.66 Volume Pricing	Contact Us
1030 - 1090	44.70	3X	8.00	26.00	M30 x 1.0	#70-174	C\$1,388.66 Volume Pricing	1 In Stock



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