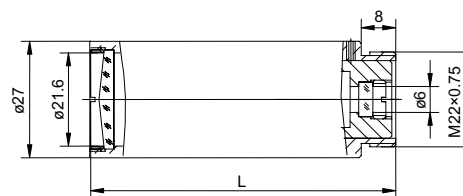




COMPACT BEAM EXPANDER



A laser beam expander is designed to increase the diameter of a collimated input beam to a larger collimated output beam. EKSMA OPTICS offers compact Galilean type beam expanders for 1064 nm, 532 nm and 355 nm wavelengths. Compact beam expander has the possibility to be adjusted for the input beam divergence angle to obtain collimated, divergent or focused beam at the output.



Specifications

Lens material	AR coated Fused Silica Lenses
Screw Size	M22x0.75

Wavelength, nm	Expansion ratio	Beam expander size L, mm	Transmission, %	Catalogue number	Price, EUR
1064	2X	51	>96	160-0021	235
1064	2.5X	51	>96	160-0251	235
1064	3X	68	>96	160-0031	235
1064	4X	75	>96	160-0041	235
1064	5X	73	>96	160-0051	235
1064	6X	75	>96	160-0061	235
1064	8X	77	>96	160-0081	235
1064	10X	70	>96	160-0101	235
532	2X	51	>96	160-0022	235
532	2.5X	51	>96	160-0252	235
532	3X	68	>96	160-0032	235
532	4X	75	>96	160-0042	235
532	5X	73	>96	160-0052	235
532	6X	75	>96	160-0062	235
532	8X	77	>96	160-0082	235
532	10X	70	>96	160-0102	235
355	4X	75	>96	160-0043	250
355	6X	75	>96	160-0063	250
355	8X	68	>96	160-0083	250
355	10X	71	>96	160-0103	250

Compact beam expanders of other expansion ratio are available upon request.

Related Product

Large Rod Small Mounting
Clamp (aluminium) 810-0062A
Find more at EksmaOptics.com



ZOOM BEAM EXPANDER

Features

- Adjustable 1X – 8X or 2X – 8X expansion ratio
- Adjustable divergence
- Galilean design

Compact Galilean type zoom beam expanders are designed for Nd:YAG fundamental and harmonic wavelengths: 1064 nm, 532 nm and 355 nm. Zoom beam expanders provide

1X – 8X or 2X – 8X continuous magnification with adjustable focus to correct for laser beam divergence.

Wavelength, nm	Expansion ratio	Input Clear Aperture, mm	Output Clear Aperture, mm	Length, mm	Catalogue number	Price, EUR
1064	1x-8x	12	33	162	165-1181	860
1064	2x-8x	12	33	143.3	165-1281	860
532	1x-8x	12	33	162	165-1185	860
532	2x-8x	12	33	139.9	165-1285	860
355	1x-8x	12	33	162	165-1183	1120
355	2x-8x	12	33	158.5	165-1283	860



Visit our e-shop www.eksmaoptics.com and find the drawings of all zoom beam expanders.

Related Product

Universal Adjustable
Optics Mount 830-0035
Find more at EksmaOptics.com

