

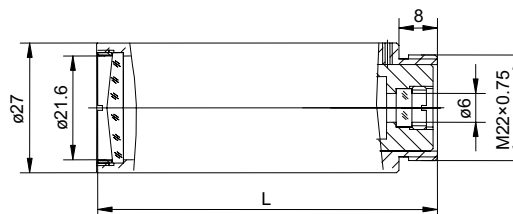
**SPECIFICATIONS**

Screw Size	M85×1
Best mirror places m1/m2	24/24 mm

Wavelength – 1064 nm, Lens Diameter – 104 mm

Catalogue number	Focus length, mm	Working distance S, mm	Max. scan area, mm <sup>2</sup>	Max. scan angle, θ max	Input beam diameter, mm	Spot size, μm	Drawing	Price, EUR
151-1631	163	185	110×110	±28°	20	17	C	520
151-2101	210	255	150×150	±28°	20	24	C	520
151-2541	254	285	175×175	±28°	20	31	C	520
151-4201	420	467	300×300	±28°	20	55	C	520
151-6501	650	697	400×400	±25°	20	85	C	520

**COMPACT BEAM EXPANDER**



Expansion ratio - 2X, 2.5X, 3X, 4X, 5X, 6X, 8X

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	M22×0.75

**RELATED PRODUCT**

Large Rod Small Mounting Clamp (aluminium)  
810-0062A

See page 8.20



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

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