

A beam expander is a two or more element optical system that changes the beam's size and divergence characteristics. Beam expanders have numerous uses. By expanding a beam prior to focusing, smaller focal spot sizes can be achieved. Beam expanders improve a beam's collimation. They are also used to reduce the beam diameter which may be useful when using acousto- or electro-optic modulators. Using a spatial filter with a beam expander can make an asymmetrical beam profile more symmetric and provide more uniform energy distribution.

Features

- Low insertion loss
- High-power operation
- Visible transmission
- Adjustable focus (on some modules)
- Customizing available
- Minimum beam deviation



Part Number	Input CA (mm)	Output CA (mm)	Expansion	Housing dimensions	
				Diameter (mm)	Length (mm)
BECZ-10.6-C0.57:4.5-D1.55-FX	9	14	1.55	36	47
BECZ-10.6-C0.57:4.5-D1.55-MI	9	14	1.55	36	47
BECZ-10.6-C0.57:3.1-D2.1-FX	9	14	2.1	36	47
BECZ-10.6-C0.65:2.53-D4-MI	11.43	17.15	4	38.1	54.75
BECZ-10.6-C0.675:3.79-D2-A1-MI	11.43	17.15	2	38.1	54.86
BECZ-10.6-C0.7:10.0-D1.25-MI	11.43	17.78	1.25	30.48	57.3
BECZ-10.6-C0.7:2.85-D3-MI	11.43	17.78	3	30.48	54.76
BECZ-10.6-C0.7:2.5-D4-MI	11.43	17.78	4	30.48	54.66
BECZ-10.6-C0.7:2.72-D5-MI	11.43	17.78	5	30.48	61.94
BECZ-10.6-C0.9:5.6-D1.5-MI	17.15	22.86	1.5	30.48	53.39
BECZ-10.6-C0.9:3.37-D2.5-MI-A	11.43	22.86	2.5	36	61.37
BECZ-10.6-C0.9:3.37-D2.5-B	11.43	22.86	2.5	36	39.07
BECZ-10.6-C0.9:3.37-D2.5-C	17.15	22.86	2.5	36	68.56
BECZ-10.6-C0.9:2.43-D5-MI	11.43	22.86	5	30.5	56.5
BECZ-10.6-C0.9:2.5-D7.5-MI	11.43	22.86	7.5	30.48	61.94