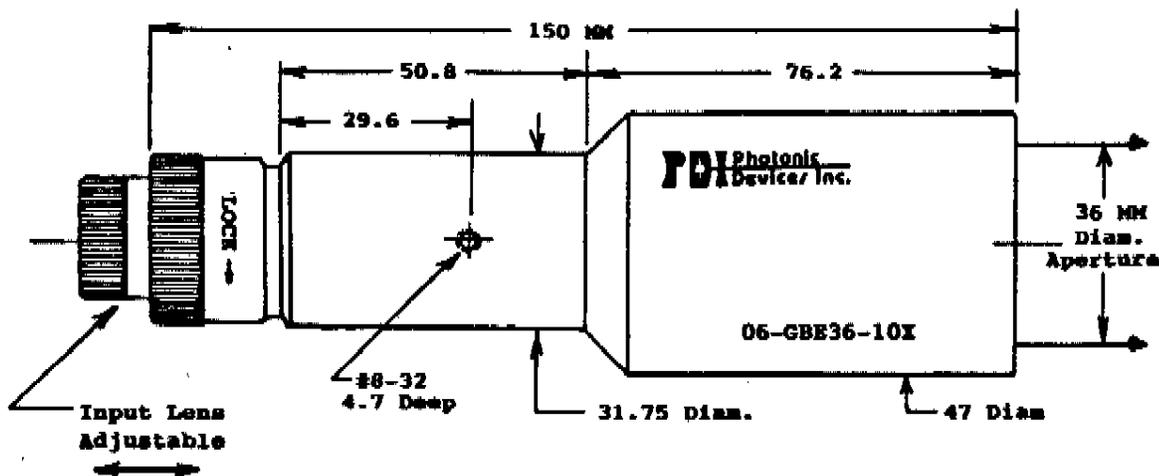


Laser System Manufacturers... upgrade the performance of your beam expanders without increasing cost. The Photonic Devices' GBE36 Series of Galilean beam expanders offers computer-designed optics mounted in a precision housing. Intended primarily for use with Nd:YAG lasers, these high damage-resistant, two- and three-element models offer diffraction-limited performance at any wavelength within the 440-1100 nm spectral range. Specify the appropriate antireflection coating by adding the wavelength as a suffix to the model number.

Note that the magnification of a specific model may be varied by interchanging the input lens assembly. For example, the 06-GBE36-10X becomes a 12X model by interchanging the input lens. The 5X and 6X input assemblies are interchangeable as are the 8X, 10X and 12X. The input lens for each model is fused silica while the output element(s) are BK7A. All surfaces are multilayer A/R coated to minimize overall insertion loss (1%, typical).

All GBE-Series Beam Expanders are compatible with the 11-MG001 Alignment Gimbal which provides pitch, yaw, X- and Y-translation.



Model No.	Magnification at 1064 nm	Input Beam (max.) (mm)	Overall Length at 1064 nm
06-GBE36-5X	5.00	7.0	144.4
06-GBE36-6X	6.00	6.0	148.7
06-GBE36-8X	7.99	4.5	160.0
06-GBE36-10X	10.00	3.6	165.2
06-GBE36-12X	11.96	3.0	166.0