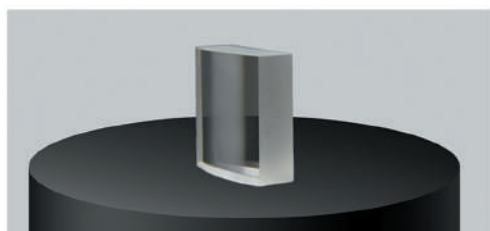
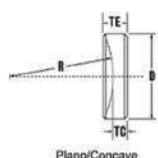


Product Introduction

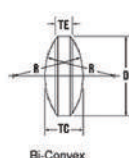


ECOPTIK manufactures the standard commercial and customized precision cylindrical lenses, plano convex cylindrical lens, plano concave cylindrical lens, double convex cylindrical lens, double concave cylindrical lens, meniscus cylindrical lenses, achromatic cement cylindrical lens, etc.

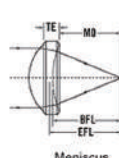
The cylindrical lens is a lens which focuses light into a line instead of a point, as a spherical lens would. The curved face or faces of a cylindrical lens are sections of a cylinder, and focus the image passing through it into a line parallel to the intersection of the surface of the lens and a plane tangent to it. The lens compresses the image in the direction perpendicular to this line, and leaves it unaltered in the direction parallel to it (in the tangent plane). In a light sheet microscope, a cylindrical lens is placed in front of the illumination objective to create the light sheet used for imaging.



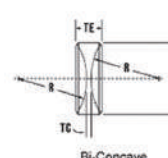
Plano/Concave



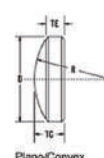
Bi-Convex



Meniscus



Bi-Concave



Plano/Convex

Specification

Item	Commercial	High-Precision
Material	Optical glasses, fused silica, silica, etc.	
Diameter	0.5mm~150mm	
Dimension tolerance	±0.1mm	±0.03mm
Focal length	-50mm-2000mm	
Focal length tolerance	±2% (<10mm) ±0.5% (<10mm-1000mm) ±1% (>1000mm)	
Centration	<3 arc min	<10 arc sec
Clear Aperture	>85% of dimension	
Surface Quality	MIL60-40	MIL20-10
Surface accuracy	$\lambda/4@632.8\text{nm}$	$\lambda/10@632.8\text{nm}$
Chamfer	0.05~0.2mmx 45°	
Coating	As per the customers' request	