



A **Cylindrical lens** is a lens which focuses light into a line instead of a point, as a spherical lens would. It converges or diverges the image in the direction perpendicular to this line, and leaves it unaltered in the direction parallel to its cylinder's axis (in the tangent plane).

Parameter	Standard	High Precision
Diameter	3mm~300mm or larger	
Material	BK7, FS, UVFS, CaF2, ZnSe, Si, Ge;	
Diameter tolerance	+0.0/-0.2 mm	+0.0/-0.1 mm
Tc tolerance	± 0.3 mm	± 0.1 mm
Clear aperture	>85%	>90%
Surface quality	60-40 S-D	40-20, 20-10 S-D
Surface flatness	1 λ @ 632,8 nm	1/4 λ @632.8nm
Centration	±3 arc min	±1 arc min
Coating	Uncoated, available upon on request	

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