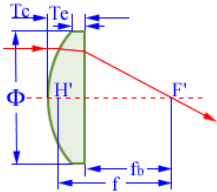
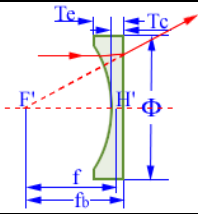
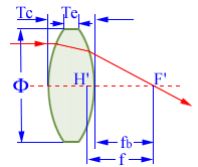
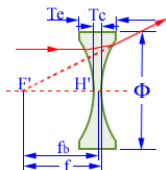


## Lenses

Lenses have many applications ranging from the simple collection of a laser beam to precision imaging and image transfer. Lenses are classified as single lenses, cylindrical lenses and achromatic lenses. These lenses are made of BK7, FS, CaF<sub>2</sub> and IR material (Si, Sapphire, Ge, YAG etc.). Special focusing systems can be designed by our engineers upon request.

Plano convex Lens	BK7 Fused Silica	
Plano Concave Lens	BK7 Fused Silica	
Double Convex Lens	BK7 Fused Silica	
Double Concave Lens	BK7 Fused Silica	

Attribute	Commercial	High Precision
Material	Schott N-BK7, H-K9L, Fused silica, Si, CaF <sub>2</sub> , Sapphire	
Design Wavelength	546.07nm	
Design Index (BK7)	1.51680 for BK7, 1.45846 for Fused Silica	
Diameter Tolerance	+0.0, 0.15mm	+0.0, 0.05mm
Paraxial Focal Length	±2%	±0.5%
Concentration	<3'	<1'
Surface Quality	60-40 scratch and dig	10-5 scratch and dig
Surface Irregularity	< λ/4	< λ/8
Protective Bevel	0.25 + 0.25, -0.0mm	0.2 ± 0.1mm