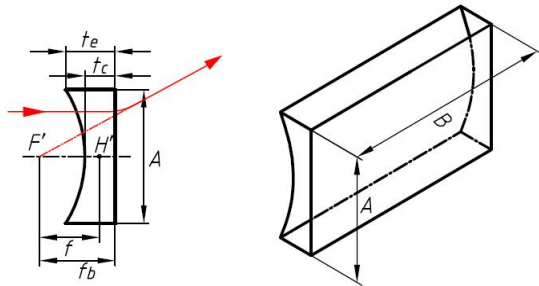
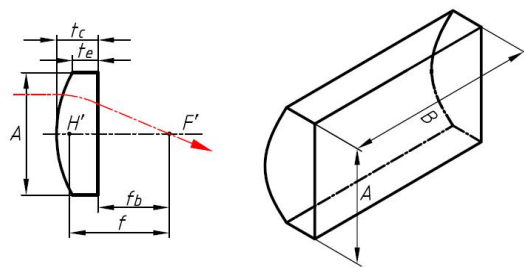


## Cylindrical Lenses

### Plano-Concave Cylindrical Lens



### Plano-Convex Cylindrical Lens



Cylindrical lenses are used to correct astigmatism in the eye and in rangefinders, to produce astigmatism, stretching a point of light into a line, they are widely used in bar code scanning, projection optics systems, laser measurement systems and holography. Cylindrical lenses are available in either plano-concave or plano-convex configurations from Crysmit, Plano-concave lenses have a negative focal length and are used for image reduction or to spread light. Plano-convex lenses have a positive focal length, which makes them ideal for collecting and focusing light for many imaging applications.

Attribute	Specification
Typical Material	N-BK7, H-K9, Fused Silica, N-SF10, etc
Diameter Tolerance (mm)	$\pm 0.2$ (General), $\pm 0.05$ (High Precision)
Focal Length Tolerance (mm)	$\pm 2\%$
Centration	$< 3$ arc min
Surface1 Figure (per 25mm@632.8nm)	$\lambda/2$ (General), $\lambda/4$ (High Precision)
Surface2 Figure (per 25mm@632.8nm)	$2\lambda$ (General), $\lambda$ (High Precision)
Surface Quality	60/40 (General), 10/5 (High Precision)
Bevel (face width x 45)	$< 0.2-0.5$ mm (General), $0.05-0.2$ (High Precision)
Coating	upon request