

# Plano Convex Cylindrical Lens

## Features

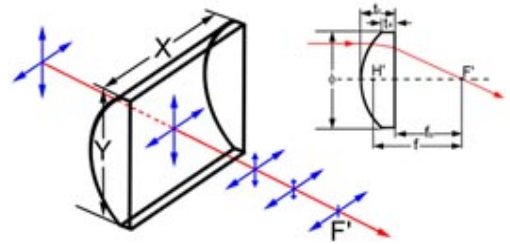
- High Precision Dimension
- Optional Substrate Material

## Applications

- Projection Optics System
- Bar Code Scanning
- Holography
- Laser Measurement System

## Specifications

Material	BK7, Fused silica
Diameter tolerance	±0.1mm
Design wavelength	546.1nm
Focal tolerance	2%
Surface quality	60-40 S/D
Centration	3 arcmin
Surface flatness	$\lambda/4@632.8\text{nm}$
Clear aperture	>90%
Bevel	Protective bevel



## Standard Products

Part No.	Material	X×Y(mm)	F(mm)	R(mm)	Tc(mm)	Te(mm)	Fb(mm)
HPXC0101	BK7	10.0×10.0	12.7	6.54	4.3	2.0	9.8
HPXC0102	BK7	20.0×10.0	12.7	6.54	4.3	2.0	9.8
HPXC0201	BK7	10.0×10.0	20.0	10.29	3.3	2.0	17.8
HPXC0202	BK7	20.0×10.0	20.0	10.29	3.3	2.0	17.8
HPXC0301	BK7	10.0×10.0	25.0	12.87	3.0	2.0	23.0
HPXC0302	BK7	20.0×10.0	25.0	12.87	3.0	2.0	23.0
HPXC0401	BK7	20.0×20.0	50.0	25.73	4.0	2.0	47.3
HPXC0501	BK7	20.0×20.0	75.0	38.60	3.3	2.0	72.8
HPXC0601	BK7	20.0×20.0	100.0	51.47	4.0	3.0	97.3
HPXC0701	BK7	20.0×20.0	150.0	77.20	3.7	3.0	147.5
HPXC0801	BK7	20.0×20.0	200.0	102.93	3.5	3.0	197.7
HPXC0901	BK7	20.0×20.0	250.0	128.67	3.4	3.0	247.7
HPXC1001	BK7	20.0×20.0	300.0	154.40	3.3	3.0	297.8
HPXC1101	BK7	20.0×20.0	500.0	257.33	3.2	3.0	497.9
HPXC1201	BK7	20.0×20.0	1000.0	514.66	3.1	3.0	997.9
HPXC2203	Fused silica	10.0×10.0	50.0	22.85	2.6	2.0	48.2
HPXC2204	Fused silica	10.0×10.0	75.0	34.28	3.49	2.0	72.61
HPXC2205	Fused silica	10.0×10.0	100.0	45.70	2.6	2.0	98.4
HPXC2207	Fused silica	10.0×10.0	150.0	68.55	2.2	2.0	148.5
HPXC2208	Fused silica	10.0×10.0	300.0	137.10	2.1	2.0	298.6
HPXC2209	Fused silica	30.0×20.0	500.0	228.50	3.49	3.0	497.58

Other size and coating are available upon request.