

# Double Concave Lens

## Features

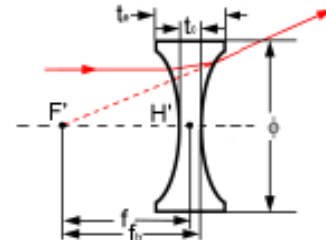
- High Precision Dimension
- Optional Substrate Material

## Applications

- Projection Optics System
- Beam Expander
- Optical Viewers
- Optical Character Reader

## 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	λ/4@632.8nm
Clear aperture	>90%
Bevel	Protective bevel



## Standard Products

Part No.	Material	Φ(mm)	F(mm)	R(mm)	Tc(mm)	Te(mm)	Fb(mm)
HDCV0201	BK7	12.7	-15.0	15.88	2.0	4.6	-15.6
HDCV0203	BK7	12.7	-25.0	26.25	2.0	3.6	-25.7
HDCV0204	BK7	12.7	-30.0	31.44	2.0	3.3	-30.7
HDCV0205	BK7	12.7	-40.0	41.80	2.0	3.0	-40.7
HDCV0206	BK7	12.7	-50.0	52.17	2.0	2.8	-50.7
HDCV0301	BK7	25.4	-35.0	36.62	2.0	6.5	-35.7
HDCV0302	BK7	25.4	-50.0	52.17	2.0	5.1	-50.7
HDCV0303	BK7	25.4	-75.0	78.09	2.0	4.1	-75.7
HDCV0306	BK7	25.4	-150.0	155.83	2.0	3.0	-150.7
HDCV0310	BK7	25.4	-300.0	311.32	2.0	2.5	-300.7
HDCV0311	BK7	25.4	-500.0	518.64	2.0	2.3	-500.7
HDCV0402	BK7	38.0	-100.0	104.17	3.0	6.5	-101.0
HACL0232	Fused silica	12.7	-25.0	23.32	2.0	3.7	-25.7
HACL0222	Fused silica	12.7	-30.0	27.92	2.0	3.5	-30.7
HACL0224	Fused silica	12.7	-40.0	37.12	2.0	3.1	-40.7
HACL0301	Fused silica	25.4	-50.0	46.32	2.0	5.6	-50.0
HACL0303	Fused silica	25.4	-75.0	69.33	2.0	4.3	-75.7
HACL0304	Fused silica	25.4	-100.0	92.33	2.0	3.8	-100.7
HACL0321	Fused silica	25.4	-250.0	230.36	2.0	2.7	-250.7
HACL0341	Fused silica	25.4	-300.0	276.36	2.0	2.6	-300.7
HACL0323	Fused silica	25.4	-500.0	460.40	2.0	2.4	-500.7

Other size and coating are available upon request.