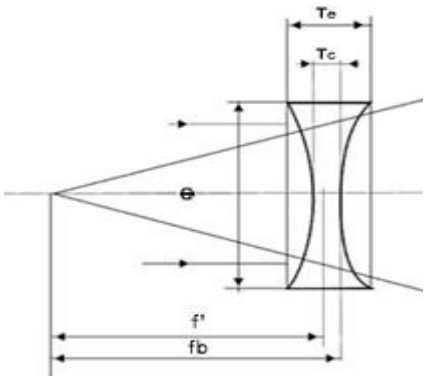
Bi-Concave Lenses

The Bi-concave lens has a focal length, diverges collimated incident light, and forms only virtual images that are seen through the lens. It is often used to expand light beams or to increase focal length in existing systems, and is normally used in combination with other lenses. In a single lens application you should consider using them in preference to a single plano-concave lens if the magnification lies in the region.

BK7 Bi-Convex Lenses

Specifications：

- Material：**BK7 Grade A Fine Annealed**
- Design Wavelength：633nm
- Design Index：Nd=1.515082
- Diameter Tolerance：+0/-0.1mm
- Focal Length：±1%
- Centration：3 arc minutes
- Clear Aperture：>90%
- Surface Quality：60/40
- Surface Accuracy：2λ
- Bevel：0.25mm x 45°



Dia.(mm)	EFL(mm)	R1=R2(mm)	CT(mm)	ET(mm)	BFL(mm)	Part No.
6	-8	8.62	2	3	-8.6	LBCC1001
6	-12	12.77	2	2.7	-12.6	LBCC1002
6	-18	18.99	2	2.5	-18.6	LBCC1003
10	-10	10.7	2	4.5	-10.6	LBCC1004
12.7	-20	21	2	4	-20.6	LBCC1005
12.7	-25	26.25	2	3.6	-25.7	LBCC1006
12.7	-30	31.44	2	3.3	-30.7	LBCC1007
12.7	-40	41.8	2	3	-40.7	LBCC1008
12.7	-50	52.17	2	2.8	-50.7	LBCC1009
25.4	-50	52.17	2	5.1	-50.7	LBCC1010
25.4	-75	78.09	2	4.1	-75.7	LBCC1011
25.4	-100	104	2	3.6	-100.7	LBCC1012
25.4	-150	155.83	2	3	-150.7	LBCC1013

25.4	-200	207.66	2	2.8	-200.7	LBCC1014
38	-100	104.17	3	6.5	-101	LBCC1015
38	-200	207.83	3	4.7	-201	LBCC1016
38	-350	363.32	3	4	-351	LBCC1017
50	-100	104.17	3	9.1	-101	LBCC1018
50	-200	207.83	3	6	-201	LBCC1019
50	-400	415.15	3	4.5	-401	LBCC1020

Fused Silica Bi-Concave Lenses

Specifications：

- Material：**UV Fused Silica**
- Design Wavelength：588nm
- Design Index：Nd=1.46008
- Diameter Tolerance：+0/-0.1mm
- Focal Length：±1%
- Centration：3 arc minutes
- Clear Aperture：>90%
- Surface Quality：60/40
- Surface Accuracy：2λ on spherical surface, λ/2 on plano surface
- Bevel：0.25mm x 45°

Dia.(mm)	EFL(mm)	R1=R2(mm)	CT(mm)	ET(mm)	BFL(mm)	Part No.
12.7	-15	14.11	2	5	-15.7	LBCC2001
12.7	-20	18.71	2	4.2	-20.7	LBCC2002
12.7	-25	23.32	2	3.7	-25.7	LBCC2003
12.7	-30	27.92	2	3.5	-30.7	LBCC2004
12.7	-40	37.12	2	3.1	-40.7	LBCC2005
25.4	-25	23.32	2	9.5	-25.7	LBCC2006
25.4	-35	32.52	2	7.2	-35.7	LBCC2007
25.4	-50	46.32	2	5.6	-50.7	LBCC2008
25.4	-75	69.33	2	4.3	-75.7	LBCC2009
25.4	-100	92.33	2	3.8	-100.7	LBCC2010
25.4	-150	138.34	2	3.2	-150.7	LBCC2011