

Plano-Concave Cylindrical Lenses

Product Description:

Plano-Concave Cylindrical Lenses are deigned to diverge a beam in one dimension and keep the other unchanged.

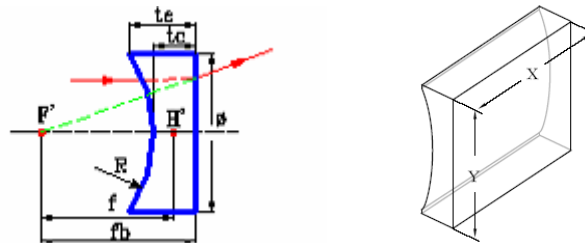
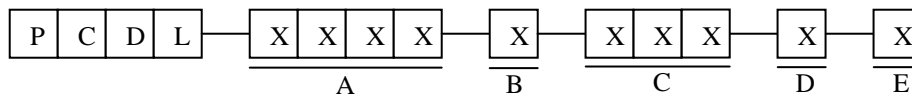


Figure 1: A schematic drawing of a plano-concave cylindrical lens

Specifications:

Material	BK7 or Fused Silica
Design Wavelength	587.6 nm
Size Tolerance (X,Y)	+0.0, -0.15 mm
Paraxial Focal Length Tolerance	± 2%
Centering Tolerance	3 arc minutes
Clear Aperture	> 85%
Bevel	0.25mm X 45°
Surface Quality	40~20
AR coating	Specified by customer

Ordering Information:



A	Wavelength	630=0630nm
		1310=1310nm
		XXXX=Your application wavelength
B	Material	1=BK7
		2=Fused Silica
		0=Special

C	Size	001=6.0X4.0X3.9X2.01X2.7X2.0
		Check standard size table for standard size
		000=Custom size
D	AR Coating	1=yes
		0=no
E	Mount	1=Yes
		0=no

Standard Size Table (Material: BK7 Grade A Optical Glass)

Dimension P/N	X (mm)	Y (mm)	-f (mm)	-R (mm)	te (mm)	tc (mm)
001	6.0	4.0	3.9	2.01	2.7	2.0
002	8.0	4.0	3.9	2.01	2.7	2.0
003	6.0	4.0	4.0	2.07	2.6	2.0
004	8.0	4.0	4.0	2.07	2.6	2.0
005	6.0	4.0	5.8	3.00	2.4	2.0
006	8.0	4.0	5.8	3.00	2.4	2.0
007	8.0	6.0	6.4	3.31	3.2	2.0
008	12.0	6.0	6.4	3.31	3.2	2.0
009	9.0	7.0	7.7	3.98	3.4	2.0
010	14.0	7.0	7.7	3.98	3.4	2.0
011	12.0	10.0	9.7	5.01	4.8	2.0
012	20.0	10.0	9.7	5.01	4.8	2.0
013	12.0	10.0	12.7	6.56	3.8	2.0
014	20.0	10.0	12.7	6.56	3.8	2.0
015	15.0	13.0	13.7	7.07	5.3	2.0
016	26.0	13.0	13.7	7.07	5.3	2.0
017	12.0	10.0	15.0	7.75	3.4	2.0
018	20.0	10.0	15.0	7.75	3.4	2.0
019	21.0	19.0	19.0	9.81	7.9	2.0
020	38.0	19.0	19.0	9.81	7.9	2.0
021	17.0	15.0	20.0	10.33	4.7	2.0
022	30.0	15.0	20.0	10.33	4.7	2.0
023	15.0	12.5	22.2	11.46	3.5	2.0
024	25.0	12.5	22.2	11.46	3.5	2.0
025	12.0	10.0	25.0	12.91	2.8	2.0
026	20.0	10.0	25.0	12.91	2.8	2.0
027	18.0	16.0	25.4	13.12	4.4	2.0
028	32.0	16.0	25.4	13.12	4.4	2.0
029	28.0	25.4	25.4	13.12	10.3	2.0
030	51.0	25.4	25.4	13.12	1.3	2.0
031	22.0	20.0	30.0	15.49	5.3	2.0

032	40.0	20.0	30.0	15.49	5.3	2.0
033	28.0	26.0	38.1	19.67	6.5	2.0
034	52.0	26.0	38.1	19.67	6.5	2.0
035	12.0	10.0	40.0	20.66	2.5	2.0
036	20.0	10.0	40.0	20.66	2.5	2.0
037	22.0	20.0	50.0	25.82	3.8	2.0
038	40.0	20.0	50.0	25.82	3.8	2.0
039	32.0	30.0	50.0	25.82	6.5	2.0
040	60.0	30.0	50.0	25.82	6.5	2.0
041	53.0	50.8	50.8	26.23	19.9	2.0
042	90.0	50.8	50.8	26.23	19.9	2.0
043	32.0	30.0	60.0	30.98	5.6	2.0
044	60.0	30.0	60.0	30.98	5.6	2.0
045	62.0	60.0	60.0	30.98	23.5	2.0
046	95.0	60.0	60.0	30.98	23.5	2.0
047	53.0	50.8	62.9	32.48	13.6	2.0
048	95.0	50.8	62.9	32.48	13.6	2.0
049	32.0	30.0	70.0	36.15	5.0	2.0
050	60.0	30.0	70.0	36.15	5.0	2.0
051	53.0	50.8	75.0	38.73	11.1	2.0
052	90.0	50.8	75.0	38.73	11.1	2.0
053	53.0	50.8	75.6	39.04	12.0	3.0
054	90.0	50.8	75.6	39.04	12.0	3.0
055	22.0	20.0	80.0	41.31	4.1	3.0
056	40.0	20.0	80.0	41.31	4.1	3.0
057	82.0	80.0	80.0	41.31	32.1	3.0
058	145.0	80.0	80.0	41.31	32.1	3.0
059	32.0	30.0	100.0	51.64	5.1	3.0
060	60.0	30.0	100.0	51.64	5.1	3.0
061	90.0	100.0	100.0	51.64	39.9	3.0
062	145.0	100.0	100.0	51.64	39.9	3.0
063	32.0	30.0	130.0	67.13	4.6	3.0
064	60.0	30.0	130.0	67.13	4.6	3.0
065	32.0	30.0	150.0	77.46	4.4	3.0
066	60.0	30.0	150.0	77.46	4.4	3.0
067	90.0	100.0	150.0	77.46	20.9	3.0
068	145.0	100.0	150.0	77.46	20.9	3.0
069	32.0	30.0	200.0	103.27	4.0	3.0
070	60.0	30.0	200.0	103.27	4.0	3.0
071	90.0	100.0	200.0	103.27	15.6	3.0
072	145.0	100.0	200.0	103.27	15.6	3.0
073	32.0	30.0	250.0	129.09	3.8	3.0
074	60.0	30.0	250.0	129.09	3.8	3.0
075	62.0	60.0	300.0	154.91	5.8	3.0

076	95.0	60.0	300.0	154.91	5.8	3.0
077	32.0	30.0	400.0	206.55	3.5	3.0
078	60.0	30.0	400.0	206.55	3.5	3.0
079	32.0	30.0	500.0	258.19	3.4	3.0
080	60.0	30.0	500.0	258.19	3.4	3.0
081	32.0	30.0	700.0	361.46	3.3	3.0
082	60.0	30.0	700.0	361.46	3.3	3.0
083	32.0	30.0	1000.0	516.37	3.2	3.0
084	60.0	30.0	1000.0	516.37	3.2	3.0

Standard Size Table (Material: UV Grade Fused Silica)

Dimension P/N	X (mm)	Y (mm)	-f (mm)	-R (mm)	te (mm)	tc (mm)
001	11.0	7.2	8.0	3.67	4.9	2.0
002	14.0	9.0	10.0	4.59	5.6	2.0
003	15.0	10.0	12.7	5.82	4.8	2.0
004	15.0	10.0	25.0	11.46	3.1	2.0
005	23.0	15.0	25.0	11.46	4.8	2.0
006	30.0	20.0	25.0	11.46	7.8	2.0
007	33.0	22.0	25.4	11.65	9.7	2.0
008	30.0	20.0	30.0	13.75	6.3	2.0
009	30.0	20.0	75.0	34.39	3.5	2.0
010	45.0	30.0	100.0	45.85	5.5	3.0
011	45.0	30.0	500.0	229.23	3.5	3.0