

Magnesium Fluoride VUV Grade (MgF₂)

Material	Vacuum UV Grade Magnesium Fluoride
Diameter tolerance	+0,-0.005" (+0,-0.13 mm)
Center Thickness tolerance	±0.008" (±0.2 mm)
Design Wavelength	0.25 microns
Focal Length Tolerance	±2%
Surface Quality	60/40
Clear Aperture	90% Central Diameter
Wedge Angle	< 3 arc min
Surface Irregularity	1/2 λ at 633 nm

CAT #	DIA, in	DIA, mm	FOC, mm	CT, mm	R, mm	ET, mm
MF-BX-12-12	0.5	12.7	12.7	6.6	9.170	1.5
MF-BX-12-25	0.5	12.7	25.4	3.6	19.999	1.5
MF-BX-12-50	0.5	12.7	50.8	2.5	40.470	1.5
MF-BX-12-76	0.5	12.7	76.2	2.2	61.240	1.5
MF-BX-25-25	1.0	25.4	25.4	12.0	18.578	2.0
MF-BX-25-50	1.0	25.4	50.8	6.1	40.090	2.0
MF-BX-25-63	1.0	25.4	63.5	5.2	50.580	2.0
MF-BX-25-76	1.0	25.4	76.2	4.7	60.810	2.0
MF-BX-25-100	1.0	25.4	100	4.0	80.170	2.0
MF-BX-25-150	1.0	25.4	150	3.4	120.77	2.0
MF-BX-38-38	1.5	38.1	38.1	17.5	27.990	2.5
MF-BX-38-50	1.5	38.1	50.8	12.4	39.260	2.5
MF-BX-38-63	1.5	38.1	63.5	10.1	49.770	2.5
MF-BX-38-76	1.5	38.1	76.2	8.7	60.120	2.5
MF-BX-38-100	1.5	38.1	100	7.1	79.800	2.5
MF-BX-38-150	1.5	38.1	150	5.5	120.50	2.5
MF-BX-50-50	2.0	50.8	50.8	22.9	37.410	3.0
MF-BX-50-76	2.0	50.8	76.2	14.4	59.430	3.0
MF-BX-50-100	2.0	50.8	100	11.4	79.070	3.0
MF-BX-50-150	2.0	50.8	150	8.5	119.95	3.0
MF-BX-50-200	2.0	50.8	200	7.1	159.96	3.0
MF-BX-50-250	2.0	50.8	250	6.3	201.42	3.0
MF-BX-50-500	2.0	50.8	500	4.6	403.60	3.0
MF-BX-76-150	3.0	76.2	150	16.1	118.85	3.5
MF-BX-76-200	3.0	76.2	200	12.7	159.59	3.5
MF-BX-76-250	3.0	76.2	250	10.8	200.40	3.5
MF-BX-76-500	3.0	76.2	500	7.1	402.70	3.5

Custom sizes and specifications are available