

# Fused Silica IR Grade Water Free (SiO<sub>2</sub>)

Diameter tolerance	+0,-0.005" (+0,-0.13 mm)
Center Thickness tolerance	±0.008" (±0.2 mm)
Design Wavelength	1.06 microns
Focal Length Tolerance	±3%
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
QI-PX-25-38	1.0	25.4	38.1	7.1	17.258	1.5
QI-PX-25-50	1.0	25.4	50.8	5.4	22.810	1.5
QI-PX-25-76	1.0	25.4	76.2	3.9	34.42	1.5
QI-PX-25-101	1.0	25.4	101.6	3.3	45.60	1.5
QI-PX-25-127	1.0	25.4	127.0	2.9	57.15	1.5
QI-PX-25-152	1.0	25.4	152.4	2.7	68.68	1.5
QI-PX-25-177	1.0	25.4	177.8	2.5	79.98	1.5
QI-PX-25-203	1.0	25.4	203.2	2.4	91.20	1.5
QI-PX-25-254	1.0	25.4	254.0	2.2	114.82	1.5
QI-PX-25-304	1.0	25.4	304.8	2.1	137.50	1.5
QI-PX-38-50	1.5	38.1	50.8	11.8	22.810	1.5
QI-PX-38-76	1.5	38.1	76.2	7.3	34.42	1.5
QI-PX-38-101	1.5	38.1	101.6	5.7	45.60	1.5
QI-PX-38-127	1.5	38.1	127.0	4.8	57.15	1.5
QI-PX-38-152	1.5	38.1	152.4	4.2	68.68	1.5
QI-PX-38-177	1.5	38.1	177.8	3.8	79.98	1.5
QI-PX-38-203	1.5	38.1	203.2	3.5	91.20	1.5
QI-PX-38-254	1.5	38.1	254.0	3.1	114.82	1.5
QI-PX-38-304	1.5	38.1	304.8	2.8	137.50	1.5
QI-PX-50-76	2.0	50.8	76.2	13.6	34.42	2.5
QI-PX-50-101	2.0	50.8	101.6	10.2	45.60	2.5
QI-PX-50-127	2.0	50.8	127.0	8.5	57.15	2.5
QI-PX-50-152	2.0	50.8	152.4	7.4	68.68	2.5
QI-PX-50-177	2.0	50.8	177.8	6.6	79.98	2.5
QI-PX-50-203	2.0	50.8	203.2	6.1	91.20	2.5
QI-PX-50-254	2.0	50.8	254.0	5.3	114.82	2.5
QI-PX-50-304	2.0	50.8	304.8	4.9	137.50	2.5

Custom sizes and specifications are available