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### Fused Silica windows, commercial and high precision

**Alkor Technologies - manufacturer of custom Fused Silica windows.**

- UV, Visible, and IR grade
- High Precision Applications
- Sizes Ranging from 5 to 220mm Diameters
- AR coating for laser lines and broadband

#### High Precision Fused Silica windows:

High precision Fused Silica Windows feature laser-grade surface quality (up to S/D 20/10) and parallelism up to 1 arc sec. In addition, these windows will limit flatness to  $1/10\lambda$ .

Fused Silica windows available uncoated, or with **anti-reflection coatings** optimized for UV, visible or IR spectrum. Transmission characteristics and thermal properties make Fused Silica windows an excellent choice for most optical applications. Fused Silica windows are often used as vacuum viewports and sight glasses, mirror substrates, wedge windows and many other.

Check **our Fused Silica windows prices** and save up to 70% from major optical catalog price! Metric and US size are available.



Fused Silica windows: IR or UV grade				
Cat#	Dia, in	Dia,mm	Th,in	Th,mm
FS-w-12.7-1	0.5	12.7	0.039	1.0
FS-w-12.7-2	0.5	12.7	0.079	2.0
FS-w-25.4-1	1	25.4	0.039	1.0
FS-w-25.4-2	1	25.4	0.079	2.0

FS-w-25.4-3	1	25.4	0.118	3.0
FS-W-31.75-1	1.25	31.75	0.039	1.0
FS-w-38.1-2	1.5	38.1	0.079	2.0
FS-w-38.1-3	1.5	38.1	0.118	3.0
FS-w-50.8-3	2	50.8	0.118	3.0
FS-w-50.8-5	2	50.8	0.197	5.0
FS-w-63.5-6	2.5	63.5	0.236	6.0
FS-w-63.5-8	2.5	63.5	0.315	8.0
FS-w-76.2-6	3	76.2	0.236	6.0
FS-w-76.2-8	3	76.2	0.315	8.0
FS-w-101.6-8	4	101.6	0.315	8.0
FS-152.4-10	6	152.4	0.394	10.0

Large diameter 100-210 mm Fused Silica windows are available **upon request**.

We do not have online purchasing at present so please contact us by email and order by stock code or if you do not see what you need, contact us and ask. You are assured of a friendly and direct response.

Fused Silica is used for windows, lenses and prisms in the transmission range 0.16-3.5 $\mu$ m. Fused Silica refractive index varies from 1.55 to 1.40 through the transmission range. It is resistant to scratching and thermal shock.

Standard Specifications		High Precision
Material	UV or IR Fused silica	
Dimensions	$\pm 0.00/-0.10$ mm	+0.00/-0.05mm
Thickness	$\pm 0.10$ mm	$\pm 0.05$ mm
Surfaces	60/40	20/10
Edges	Fine Ground	Polished
Flatness	$\leq 5$ Fringes	1/10 $\lambda$
Parallelism	$\leq 3$ Arc mins	10 Arc seconds

**See also: Protected Aluminum mirrors, Dielectric mirrors, Optical mirrors**

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