

LARGE WEDGE WINDOWS(BK7&Fused Silica)

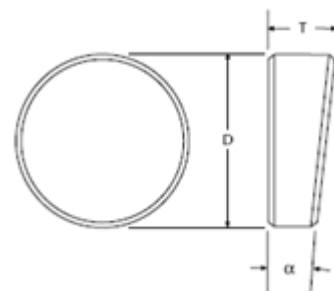
Large Wedge Windows greatly reduce or eliminate interference effects caused by multiple reflections between front and rear surfaces of plane windows.

They are well suited for use as substrates for laser output couplers in which the reflection from the second surface must be completely eliminated from the gain medium of very sensitive lasers. A pair of identical wedges are used to create an adjustable beam steering device.

Non-coated and AR coated products are available.

Standard Specifications:

Optical Material:	see the table
Diameter Tolerance:	+0.0, -0.1mm
Thickness Tolerance:	±0.2mm
Clear Aperture:	>90%
Wedge:	±5 are minutes
Surface Quality:	20-10
Wavefront Distortion:	$\lambda/4$ at 632nm
Bevel:	<0.25mm X 45°
Coating:	available upon request



Standard Large Wedge Windows

Diameter	Thickness	Wedge	Part Number
Fused Silica			
25.40	9.5	1	UQU-LWNF0001
25.40	12.7	1	UQU-LWNF0002
38.10	12.7	1	UQU-LWNF0003
50.80	12.7	1	UQU-LWNF0004
25.40	9.5	2	UQU-LWNF0005
25.40	12.7	2	UQU-LWNF0006
38.10	12.7	2	UQU-LWNF0007
50.80	12.7	2	UQU-LWNF0008
25.40	9.5	3	UQU-LWNF0009
25.40	12.7	3	UQU-LWNF0010
38.10	12.7	3	UQU-LWNF0011
50.80	12.7	3	UQU-LWNF0012
BK7			
25.40	9.5	1	UQU-LWNB0101
25.40	12.7	1	UQU-LWNB0102
38.10	12.7	1	UQU-LWNB0103
50.80	12.7	1	UQU-LWNB0104

25.40	9.5	2	UQU-LWNB0105
25.40	12.7	2	UQU-LWNB0106
25.40	12.7	2	UQU-LWNB0107
50.80	12.7	2	UQU-LWNB0108
25.40	9.5	3	UQU-LWNB0109
25.40	12.7	3	UQU-LWNB0110
25.40	12.7	3	UQU-LWNB0111
50.80	9.5	3	UQU-LWNB0112
50.80	12.7	3	UQU-LWNB0113

Please Contact [ultiQuest](#) for other dimensions in prototype and production quantities.

NOTES!

- ➔ Be sure to wear laser safety goggles when checking optical path and adjusting optical axis.