

GLASS BK7 WINDOWS

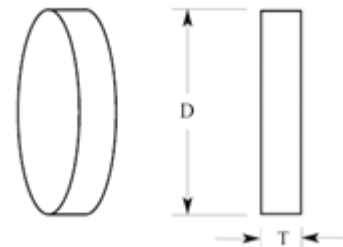
A borosilicate crown glass, BK7 is relatively hard, does not scratch easily, and can be handled without special precautions. Good performance over visible and near IR spectrum for most application.

The ideal window allows the optical beam to pass unimpeded and unchanged with high durability according to requirement of applications. In order to come close to this ideal, our windows and optical parallels are manufactured considering with transmittance, homogeneity, sub-surface damage, surface flatness and parallelism of the materials or in polishing processes to achieve high transmittance, low wavefront distortion and low scatter.

Non-coated and AR coated products are available.

Standard Specifications:

Optical Material:	BK7 Grade A Optical Glass
Diameter Tolerance:	+0.0, -0.1mm
Thickness Tolerance:	± 0.2mm
Clear Aperture:	>85%
Parallelism:	see the table
Surface Quality:	20-10 scratch and dig
Wavefront Distortion:	see the table
Bevel:	<0.25mm X 45°
Coating:	available upon request



Standard Glass BK7 Windows

Dia(mm)	T(mm)	Wavefront Distortion	Product Number
Parallelism 5 arc sec			
10.0	6.0	Lambda/10	UQT-WDBH0001
12.7	6.0	Lambda/10	UQT-WDBH0002
25.0	6.0	Lambda/10	UQT-WDBH0003
25.4	6.5	Lambda/10	UQT-WDBH0004
30.0	6.0	Lambda/10	UQT-WDBH0005
50.0	10.0	Lambda/4	UQT-WDBH0006
75.0	15.0	Lambda/4	UQT-WDBH0007
Parallelism 1 arc min			
10.0	3.0	Lambda	UQT-WDBL0101
12.7	3.0	Lambda	UQT-WDBL0102
15.0	1.0	Lambda	UQT-WDBL0103
15.0	3.0	Lambda	UQT-WDBL0104
25.0	3.0	Lambda	UQT-WDBL0105
25.4	3.5	Lambda	UQT-WDBL0106
30.0	3.0	Lambda	UQT-WDBL0107
50.0	6.0	2Lambda	UQT-WDBL0108

50.8	6.0	2Lambda	UQT-WDBL0109
75.0	15.0	2Lambda	UQT-WDBL0110

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

NOTES!

- Windows with an antireflection coating are custom-specification products, except for those intended for use with visible light. And can also be built to custom specifications.
- Be sure to wear laser safety goggles when checking optical path and adjusting optical axis.