

Circular Windows

High Precision BK7 Windows

Specifications:

- Material: **BK7 grade A optical glass**
- Diameter Tolerance: +0.0/-0.1mm
- Thickness tolerance: ± 0.2 mm
- Clear Aperture: >80%
- Parallelism: See the table
- Surface Quality: 20-10 scratch and dig
- Wavefront Distortion: $\lambda/10$ per 25mm @633nm
- Bevel: <0.5mm \times 45°



Φ (mm)	T(mm)	1' Parallelism	10" Parallelism
		Part No.	Part No.
10.0	6.0	WNH0201	WNH0211
12.7	6.0	WNH0202	WNH0212
25.0	6.0	WNH0203	WNH0213
25.4	6.35	WNH0204	WNH0214
30.0	6.0	WNH0205	WNH0215
50.0	10.0	WNH0206	WNH0216
12.7	6.35	WNH0306	WNH0316
19.05	9.525	WNH0207	WNH0217
25.4	9.525	WNH0208	WNH0218
50.8	12.7	WNH0307	WNH0317

Standard BK7 windows

Specifications:

- Material: **BK7 grade A optical glass**
- Diameter Tolerance: +0.0/-0.1mm
- Thickness tolerance: ± 0.2 mm
- Clear Aperture: >80%
- Parallelism: 1 arc minute
- Surface Quality: 60-40 scratch and dig

- Wavefront Distortion: λ per 25mm @633nm
- Bevel: $<0.5\text{mm}\times 45^\circ$

Φ (mm)	T(mm)	Part No.	Φ (mm)	T(mm)	Part No.
10.0	3.0	WNL0101	6.0	1.0	SWNL0101
12.7	3.0	WNL0102	6.8	0.5	SWNL0102
25.0	3.0	WNL0103	8.0	2.0	SWNL0103
25.4	3.0	WNL0104	10.0	1.0	SWNL0104
30.0	3.0	WNL0105	10.0	5.0	SWNL0105
50.0	3.0	WNL0106	12.7	1.0	SWNL0106
15.0	1.0	WNL0107	75	3.0	SWNL0107
15.0	3.0	WNL0108	75	6.0	SWNL0108
50.8	6.35	WNL0109	76	3.0	SWNL0109

High Precision Fused Silica Windows Specifications:

- Material: **UV grade fused silica (JGS1)**
- Diameter Tolerance: $+0.0/-0.1\text{mm}$
- Thickness tolerance: $\pm 0.2\text{mm}$
- Clear Aperture: $>80\%$
- Parallelism: see the table.
- Surface Quality: 20-10 scratch and dig
- Wavefront Distortion: $\lambda / 10$ per 25mm
- Bevel: $<0.5\text{mm}\times 45^\circ$

Φ (mm)	T(mm)	1' Parallelism	10" Parallelism
		Part No.	Part No.
10.0	6.0	WNH1201	WNH1211
12.7	6.0	WNH1202	WNH1212
25.0	6.0	WNH1203	WNH1213
25.4	6.35	WNH1204	WNH1214
30.0	6.0	WNH1205	WNH1215
50.0	10.0	WNH1306	WNH1316
12.7	6.35	WNH1206	WNH1216
19.05	9.525	WNH1207	WNH1217
25.0	10.0	WNH1208	WNH1218

Standard Fused Silica Windows**Specifications:**

- Material: **UV grade fused silica (JGS1)**
- Diameter Tolerance: +0.0/-0.1mm
- Thickness tolerance: ± 0.2 mm
- Clear Aperture: >80%
- Parallelism: <1 arc minute.
- Surface Quality: 60-40 scratch and dig
- Wavefront Distortion: λ per 25mm @633nm
- Bevel: <0.5mm \times 45°

Φ (mm)	T(mm)	Part No.
10.0	3.0	WNL1101
12.7	3.0	WNL1102
25.0	3.0	WNL1103
25.4	3.0	WNL1104
30.0	3.0	WNL1105
50.0	3.0	WNL1106
8.0	2.0	WNL1107
25.0	2.0	WNL1108
25.4	0.5	WNL1109