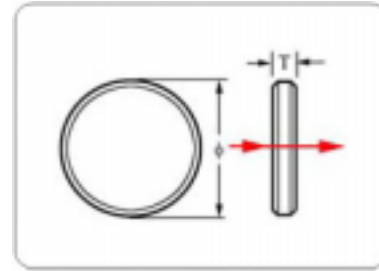


Windows

Windows are applied to isolate different physical environments while allowing light to pass. When selecting windows you should consider materials, transmission, scattering, wavefront distortion, parallelism and resistance to certain environment.



BK7 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

Bevel: <0.25mm X 45°

| Part No | Dia(mm) | Thickness(mm) |
|---------|---------|---------------|
| WNH0201 | 10.0 | 6.0 |
| WNH0202 | 12.7 | 6.0 |
| WNH0203 | 25.0 | 6.0 |
| WNH0204 | 25.4 | 6.35 |
| WNH0205 | 30.0 | 6.0 |
| WNH0306 | 50.0 | 10.0 |

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'

Surface Quality: 60-40 scratch and dig

Wavefront Distortion: λ per 25mm

Bevel: <0.25mm X 45°

| Part No | Dia(mm) | T(mm) |
|---------|---------|-------|
| WNL0101 | 10.0 | 3.0 |
| WNL0102 | 12.7 | 3.0 |
| WNL0107 | 15.0 | 1.0 |
| WNL0108 | 15.0 | 3.0 |
| WNL0103 | 25.0 | 3.0 |
| WNL0104 | 25.4 | 3.0 |
| WNL0105 | 30.0 | 3.0 |
| WNL0106 | 50.0 | 3.0 |
| WNL0109 | 50.8 | 6.35 |

High Precision UV Grade Fused Silica Windows

Specifications: Material: UV grade fused silica

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

Bevel: <0.25mm X 45°

| Part No | Dia(mm) | Thickness(mm) |
|---------|---------|---------------|
| WNH1201 | 10.0 | 6.0 |
| WNH1202 | 12.7 | 6.0 |
| WNH1203 | 25.0 | 6.0 |
| WNH1204 | 25.4 | 6.35 |
| WNH1205 | 30.0 | 6.0 |
| WNH1306 | 50.0 | 10.0 |

Low Precision UV Grade Fused Silica Windows

Specifications: Material: UV grade fused silica

Diameter Tolerance: +0.0, -0.1mm

Thickness Tolerance: ± 0.2 mm

Clear Aperture: >80%

Parallelism: 1'

Surface Quality: 60-40 scratch and dig

Wavefront Distortion: λ per 25mm

Bevel: <0.25mm X 45°

| Part No | Dia(mm) | Thickness(mm) |
|---------|---------|---------------|
| WNL1101 | 10.0 | 3.0 |
| WNL1102 | 12.7 | 3.0 |
| WNL1103 | 25.0 | 3.0 |
| WNL1104 | 25.4 | 3.0 |
| WNL1105 | 30.0 | 3.0 |
| WNL1106 | 50.0 | 3.0 |

BK7 and Fused Silica Wedges

BK7 Wedges

Specifications: Material: BK7 grade A optical glass

Design Wavelength: 632.8 nm

Design Index: $n=1.51467$ at 632.8nm

Diameter Tolerance: +0.0, -0.1mm,

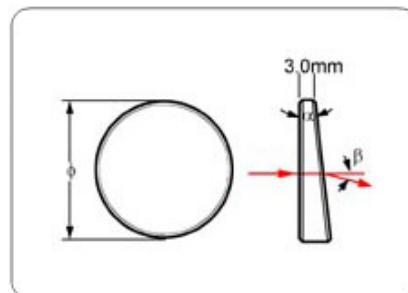
Thickness Tolerance: ± 2 mm

Surface Quality: 60-40 scratch and dig

Wedge Angle: ± 1 minute

Flatness: $\lambda/4$ at 632.8 nm

Bevel: 0.25 mm x 45°



| Part No. | ϕ (mm) | b | a |
|----------|-------------|----|--------|
| WED0101 | 25.4 | 1° | 1°57' |
| WED0201 | 25.4 | 2° | 3°53' |
| WED0301 | 25.4 | 4° | 7°46' |
| WED0401 | 25.4 | 6° | 11°39' |

Note: Other Material and Coatings are available upon request