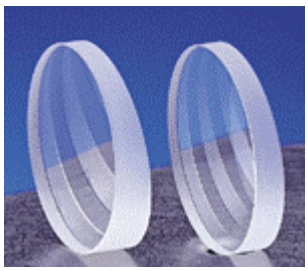
# Wedge Prisms



Wedge prisms have similar function with optical windows. They all can be used as isolating components.

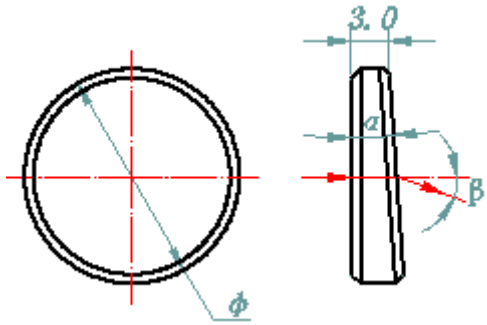
Wedge prisms are used as beamsteering in optical systems, playing a role in optics analogous to that of the wobble plate in mechanics.

Wedge prisms are available in alternative materials, such as synthetic fused, silica, and in different shapes and sizes, or with various antireflection coatings.

## Circular Wedge Prisms

### Specifications:

- Material: **BK7 Grade A optical glass, UV Fused Silica**
- Design Wavelength: 632.8nm, 308nm
- Design Index: n=1.51467 @632.8m, n=1.48575 @632.8nm
- Dimension Tolerance: ±0.1mm
- Thickness Tolerance: ±0.2mm
- Wedge Angle Tolerance: ±1 arc minute
- Surface Quality: 60/40
- Flatness: λ/4 @632.8nm
- Bevel: 0.25mm




| Part No. | Φ(mm) | β | α |
|---|---|---|---|
| WGP101 | 25.4 | 1° | 1° 57' |
| WGP102 | 25.4 | 2° | 3° 53' |
| WGP103 | 25.4 | 4° | 7° 46' |
| WGP104 | 25.4 | 6° | 11° 39' |

## Rectangular Wedge Prisms

### Specifications:

- Material: **BK7 Grade A optical glass, UV Fused Silica**
- Design Wavelength: 632.8nm, 308nm
- Design Index: n=1.51467 @632.8m, n=1.48575 @632.8nm
- Dimension Tolerance: ±0.1mm

- Thickness Tolerance：±0.2mm
- Wedge Angle Tolerance： ±1 arc minute
- Surface Quality：60/40
- Flatness： λ/4 @632.8nm
- Bevel： 0.25mm

We can offer a wide range of different materials and different degree of precision wedges as follow pictures are. Special materials are available upon requirement.