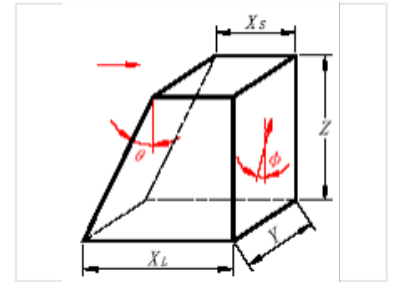
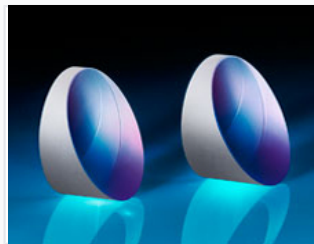
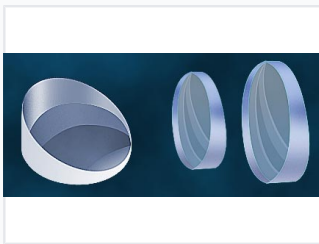


Optical Wedge Prism

This optical wedge prism is designed to deviate a beam of light by a specific angle. Its precise geometry ensures accurate and predictable beam deviation for optical systems and instruments.



ADDITIONAL IMAGES



Overview

High-Precision Optical Wedge Prism

This optical wedge prism is engineered for precise beam steering, deviation, and dispersion in demanding optical systems. Fabricated from BK7 grade A glass, it offers superior clarity and minimal wavefront distortion for laser, spectroscopic, and metrological applications. With its high surface quality and tight manufacturing tolerances, this component ensures predictable performance and reliable integration into scientific and industrial instruments.

Optical Specifications

Design Wavelength

632.8 nm

Design Wavelength

Material	BK7 grade A optical glass
Design Index	1.51467
Wedge Angle	< 1 arc minute

Physical Properties

Diameter Tolerance	+0.0, -0.15mm
Thickness Tolerance	+/- 0.2mm
Clear Aperture	> 85% of diameter
Bevel	0.25mm x 45deg

Surface Quality

Surface Quality

60-40 scratch and dig

Flatness

$\lambda/4$ at 632.8nm

Applications

Common Applications

Beam Steering, Spectroscopy, Optical Metrology, Laser Systems, Image Displacement