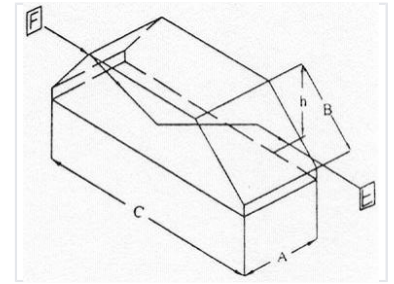
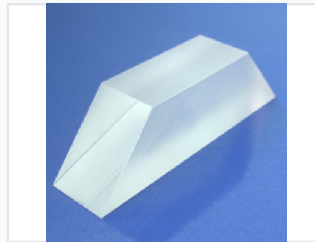
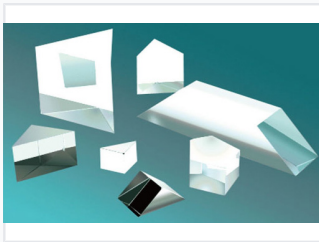


# Dove Prism

Dove prisms are reflective prisms used to invert an image. Light entering one of the sloped faces undergoes total internal reflection from the inside of the longest face and emerges from the opposite sloped face.



## ADDITIONAL IMAGES



## Product Overview

### Precision Optical Image Inversion

The Dove Prism is a specialized reflective prism designed for image inversion and beam deviation in optical systems. Manufactured from high-grade optical glass, this truncated right-angle prism effectively flips images along a single axis, making it essential for applications in microscopy, imaging, and optical instrumentation. Its design ensures high transmission and minimal beam displacement, providing reliable performance for demanding optical setups.

## Material & Construction

Material Composition	SF11 Grade A Optical Glass, BK7 Grade A Optical Glass
Bevel	0.25mm x 45deg

## Optical Performance

### Clear Aperture

**85 %**  
Clear Aperture

Deflection Model	180° deflection (Standard)
Coating	R<0.25% at 1550nm (on big face)

## Manufacturing Tolerances

### Precision Tolerances

Parameter	Tolerance
Dimension Tolerance	+0.0, -0.2mm
Angle Tolerance	<3 arc minutes
Flatness	lambda/2 632.8nm
Surface Quality	60-40 scratch and dig