

Amici Roof Prism

The Amici prism, also known as a right angle roof prism, features two mutually perpendicular reflecting surfaces. This prism increases the roof surface without changing the optical axis direction, making it suitable for telescope, imaging, observation, and ranging systems.



Overview

Precision Amici Roof Prism

The Amici roof prism, also known as a right-angle roof prism, is a critical optical component designed to deviate the line of sight by 90 degrees while maintaining image orientation. By utilizing two mutually perpendicular reflecting surfaces, it effectively erects the image without altering the optical axis direction. This versatile prism is widely integrated into telescope systems, imaging equipment, and ranging devices where precise optical manipulation is required.

Technical Specifications

Material Options	BK7, UV Grade Fused Silica
Dimension Tolerance	+/-0.1mm
Clear Aperture	>80%
Angle Tolerance	60 degrees +/- 3 minutes
Chamfer	0.3mm +/- 0.1mm

Surface Quality

Surface Specifications

Parameter	Specification
Surface Quality	60/40 Scratch/Dig
Surface Flatness	lambda/4 at 633nm

Manufacturing Capabilities

Customization & Coatings

- Optional customized coatings
- Tighter tolerances available upon request
- Variable specifications based on component size and shape

Typical Size Range	76.2 mm
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