

TECHSPEC[®] 9mm Protected Silver Coated, Amici Roof Prism



Amici Roof Prisms

Stock **#12-638** 20+ In Stock

-

1

+

€123⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€123,60 each
Qty 6-25	€99,91 each
Qty 26-49	€90,64 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Amici Roof Prism

Type:

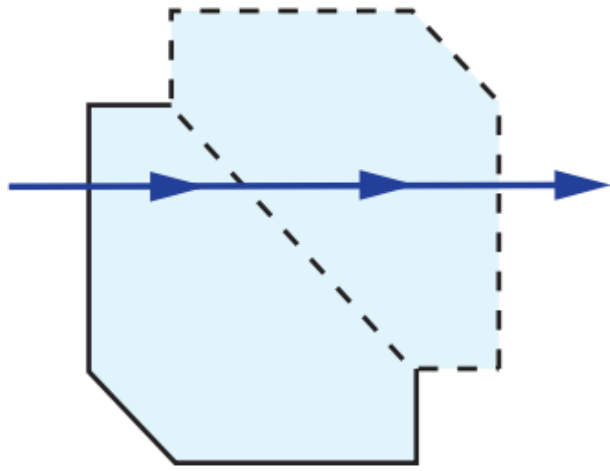
Black Overpaint is 30-60µm Thick		Note:
Physical & Mechanical Properties		
8.00	Clear Aperture CA (mm):	
+0/-0.1	Dimensional Tolerance (mm):	
6.00	Resolution (arcsec):	
Protective as needed	Bevel:	
Optical Properties		
Silver with protective overcoat	Coating:	
N-BK7	Substrate: ☐	
60-40	Surface Quality:	
±5	Angle Tolerance (arcmin):	
Right-Handed	Image Orientation:	
Coating Specification: Reflective Surfaces: R _{abs} > 97% FROM400 - 2500nm @ 0° AOI R _{avg} > 98% FROM400 - 2500nm @ 0° AOI		
90	Ray Deviation (°):	
350 - 2200	Wavelength Range (nm):	
Metal	Coating Type:	
0.5 J/cm² @ 532nm & 1064nm, 10ns	Damage Threshold, By Design: ☐	
3.00	Power (fringes) @ 632.8nm:	
1.00	Irregularity (fringes) @ 632.8nm:	
Regulatory Compliance		
Compliant	RoHS 2015:	
Compliant	Reach 219:	
View	Certificate of Conformance:	

PRODUCT DETAILS

- Ray Deviation of 90°
- Right Handed Image
- 6 Arcsecond Resolution
- Roof Surfaces Available Uncoated or Silver Coated

Amici prisms, also called "roof prisms" or "right angle roof prisms," revert and invert the image as well as bend the line of sight through a 90°angle. Ideal for use in spotting scopes, and any optical instrument where it is desirable to take an inverted image from an objective, turn it right side up, and bend it through a 90° angle in order to maintain the correct visual orientation. With linearly polarized incident light, the light exiting an uncoated Amici prism is a mix of two elliptical polarizations which causes a reduction in contrast and resolution in some applications. The silver coated Amici roof prisms eliminate these issues.

TECHNICAL INFORMATION



Amici Roof Prism Tunnel Diagram

A (mm)	B (mm)	C (mm)	D (mm)	Stock No. Uncoated	Stock No. Protected Silver Coated
9.00	12.18	12.73	8.00	#45-662	#12-638
14.00	18.95	19.80	13.00	#45-261	#12-639

The technical drawings include a side view with dimensions A, B, and C, a top view with dimensions A and D, and a 3D perspective view showing the prism's geometry and a 90-degree angle.

CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

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