

25µm Aperture Diameter, Mounted, Precision Pinhole



25µm Aperture Diameter, Mounted, Precision Pinhole, #56-280

Stock #56-280 **7 In Stock**

1 MRP ₹8,475

Price inclusive of all taxes

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Qty 1-5	₹8,475 each
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General

Type: Mounted

Physical & Mechanical Properties

Outer Diameter (mm):	25 +0.4/-0.000	Construction:	Stainless Steel
Fixed Aperture Diameter (µm):	25	Thickness (mm):	0.01 Nominal
Aperture Tolerance (µm):	±5	Aperture Centration (µm):	±125

Threading & Mounting

Mount Thickness (mm): 1.25 ±0.05

Regulatory Compliance

RoHS 2015:	Compliant	Certificate of Conformance:	View
Reach 247:	Compliant		
Country of Origin:	United States	Imported By:	Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038

Product Details

- Available in Aperture Mounts for a Secure Mechanical Support
- Pinhole Sized Ranging from 1 to 1,000 Microns
- **High Power Apertures** Available

Unmounted Precision Pinholes

Precision Pinholes are high quality apertures centered to $\pm 0.002"$ (50 microns). They are constructed of stainless steel and are $3/8"$ (9.5mm) in diameter. Smaller diameter pinholes will reduce energy throughput, while larger diameter pinholes will pass more spatial noise. Precision pinholes have sizes ranging from 1 to 1,000 microns. Typical applications include leak detection, aerosol studies, holography, fiber optics guides, spatial filtering, research, and more.

Use the **Precision Pinhole Mount** to integrate unmounted pinholes into a variety of mechanical components easily.

Mounted Precision Pinholes

Precision Pinholes are available in aperture mounts for secure mechanical support. The mounts also fit into various optical assemblies. Each 9.5mm diameter pinhole is sealed within a 25mm diameter black-anodized aluminum mount. The mount is clearly labeled with a pinhole aperture diameter for easy identification.

Note: Aperture Centering to Mount ± 125 microns.

Edmund Optics offers a wide selection of precision pinholes for leak detection, aerosol studies, holography, fiber optic guides, spatial filtering, research, and more. These pinholes are available in a range of diameters and are ideal for controlling light propagation. Each pinhole is manufactured using high-accuracy techniques, providing consistent circular aperture geometry and high edge quality. Available in both mounted and unmounted formats, these pinholes support a variety of optical setups, from experimental labs to industrial environments.

Technical Information

Related Products



Precision Pinhole Mount



Compact Mirror & Lens Mounts

Frequently Purchased Together



#01-307 - 25,400 Lines/Inch, 2" Square Card, 15/Pack, Holographic Diffraction Grating Film
₹2,876

Qty



#03-630 - C-Mount Double Female Thread Ring
₹3,709

Qty



#03-655 - Sliding 2" x 3" Base Plate
₹2,548

Qty



#03-676 - 7.0 - 40.0 Optic Height, English Bar-Type Optic Holder
₹10,694

Qty



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