

# 200µm Aperture Diameter, Mounted, Precision Pinhole



200µm Aperture Diameter, Mounted, Precision Pinhole, #56-284

Stock #56-284 [CONTACT US](#)

1 [-](#) [+](#) MRP ₹8,475

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹8,475 each
Qty 6-10	₹7,486 each
Qty 11+	₹6,921 each
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Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

## General

Type: Mounted

## Physical & Mechanical Properties

<b>Outer Diameter (mm):</b>	25 +0.4/-0.000	<b>Construction:</b>	Stainless Steel
<b>Fixed Aperture Diameter (µm):</b>	200	<b>Thickness (mm):</b>	0.03 Nominal
<b>Aperture Tolerance (µm):</b>	±5	<b>Aperture Centration (µm):</b>	±125

## Threading & Mounting

**Mount Thickness (mm):** 1.25 ±0.05

## Regulatory Compliance

<b>RoHS 2015:</b> <a href="#">Compliant</a>	<b>Certificate of Conformance:</b> <a href="#">View</a>
<b>Reach 247:</b> <a href="#">Compliant</a>	
<b>Country of Origin:</b> United States	<b>Imported By:</b> 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  $\pm 125$  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



#03-627 - C-Mount Male to Olympus (RMS/DIN) Female Step-Down Adapter  
₹5,246

Qty



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

Qty



#06-391 - 4mm Dia x 16mm FL Commercial Grade Achromatic Lens  
₹2,119

Qty



#03-607 - 50mm Diameter, X-Y-Z Positioning Movement  
₹98,368

Qty

# Resources

## Media Type

- FAQ
- Glossary
- Application Note
- Trending in Optics
- Video

? FAQ

What do spatial filters do and how do I use them?

GLOSSARY

Spatial Filter

APPLICATION NOTE

Understanding Spatial Filters

? FAQ

Do you have any components that would...

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Do your iris diaphragms have mounts for...

GLOSSARY

Axial Runout

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