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# 100µm Aperture



100µm Aperture Diameter, Mounted, Precision Pinhole, #56-283

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1

€84<sup>00</sup>

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Volume Pricing	
Qty 1-5	€84,00 each
Qty 6-10	€74,20 each
Qty 11+	€68,60 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

### Product Downloads

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

## General

Type: Mounted

## Physical & Mechanical Properties

Outer Diameter (mm): 25 +0.4/-0.000

Construction: Stainless Steel

Fixed Aperture Diameter (µm): 100

Thickness (mm): 0.03 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](#)

## 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. A 25mm diameter black-anodized aluminum mount is available.

**Note:** Aperture Centering to Mount  $\pm 125$  microns. Edmund Optics offers a wide selection of precision pinholes available in a range of diameters and are ideal for aperture geometry and high edge quality. Available in industrial environments.

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A 25mm diameter pinhole is sealed within a

research, and more. These pinholes provide consistent circular apertures, from experimental labs to

## Technical Information

## Related Products

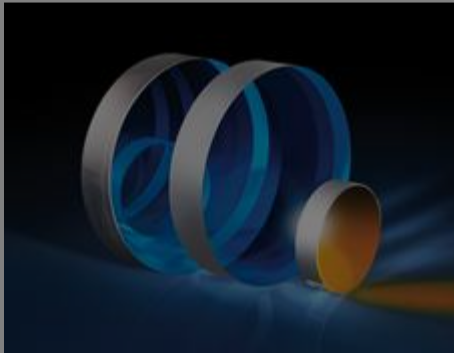


Precision Pinhole Mount



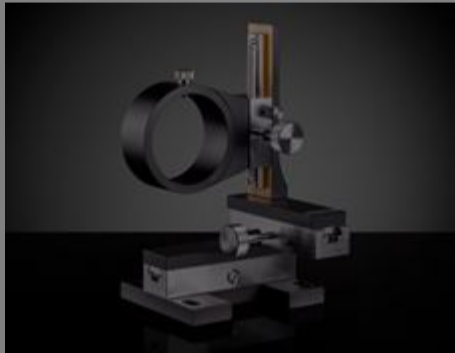
Compact Mirror & Lens Mounts

## Frequently Purchased Together



#01-913-522 - 1" Dia. Protected Aluminum,  $\lambda/10$  Flat Fused Silica  
€160,00

Qty



#03-607 - 50mm Diameter, X-Y-Z Positioning Movement  
€975,00

Qty



#03-627 - C-Mount Male to Olympus (RMS/DIN) Female Step-Down Adapter  
€52,00

Qty



#03-630 - C-Mount Double Female Thread Ring  
€36,75

Qty



## Resources

### Media Type

- FAQ
- Glossary
- Application Note

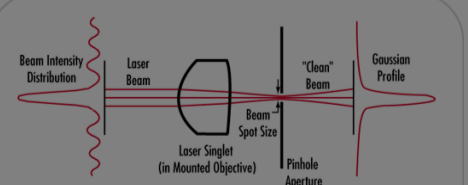


? FAQ

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



GLOSSARY  
Spatial Filter



APPLICATION NOTE

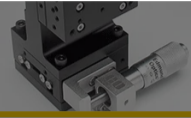
Understanding Spatial Filters

Trending in Optics

Video

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? FAQ

Do you have any components that would...



? FAQ

Do your iris diaphragms have mounts for...



GLOSSARY

Axial Runout

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