

Spatial Filter Movement



Stock #39-976 **5 In Stock**

A\$1,056⁰⁰

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Physical & Mechanical Properties

Black Anodized Aluminum **Construction:**

Pinhole: ±3 in X-Axis and Y-Axis
Objective: 19 in Z-Axis **Travel (mm):**

9.5 **Aperture (mm):**

2.5 in Z-Axis **Accuracy (µm):**

Threading & Mounting

Mount:
36 TPI 55° Whitworth (DIN Objective)

Mounting Threads:
1/4-20

Leadscrew Thread:
50.8 TPI in X-Axis and Y-Axis

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

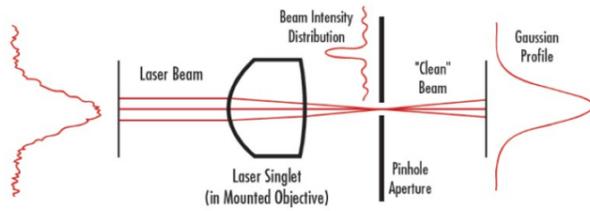
Product Details

- X-Y Adjustable
- Pre-Mounted on a Gimbal Tilt-Table
- Open-Style Design

Our precision open-style spatial filter mechanism features a ball bearing, spring-loaded dual stainless rail objective movement with a micrometer drive. The pinhole mount accepts standard 3/8" (9.5mm) discs from our line of [Pinholes & Slits](#) and is X-Y adjustable via two fine thumbscrews. This entire assembly is mounted on a gimbal tilt-table with X-Y two-axis adjustment by two fine thumbscrews. A 1/4-20 tap hole on the gimbal platform base allows for easy mounting to posts or other positioning equipment. The [Understanding Spatial Filters](#) application note will help you select the appropriate components for your laser application.

Note: Spatial Filter does not operate with 5.5mm objective. Spatial Filter Movement is only compatible with the following objectives: DIN Achromatic 4X ([#43-902](#)), DIN Plan 4X ([#67-706](#)), and the JIS Achromatic 10X

Technical Information



| Input Beam Diameter (mm) | Magnification/Focal Length of Objective Lens (mm) | |
|--------------------------|---|-----------|
| | 4X/31.04 | 10X/17.13 |
| 0.96 | 35µm | 20µm |
| 0.81 | 50µm | 25µm |
| 0.75 | 50µm | 25µm |
| 0.70 | 50µm | 25µm |
| 0.68 | 50µm | 25µm |
| 0.63 | 50µm | 35µm |
| 0.48 | 50µm | 35µm |