

Spatial Filter Movement



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SPECIFICATIONS

Physical & Mechanical Properties

Black Anodized Aluminum

Construction:

Pinhole: ±3 in X-Axis and Y-Axis
Objective: 19 in Z-Axis

Travel (mm):

Aperture (mm):

9.5	
2.5 in Z-Axis	Accuracy (µm):
Threading & Mounting	
36 TPI 55° Whitworth (DIN Objective)	Mount:
1/4-20	Mounting Threads:
50.8 TPI in X-Axis and Y-Axis	Leadscrew Thread:
Regulatory Compliance	
Not Compliant	RoHS:
View	Certificate of Conformance:

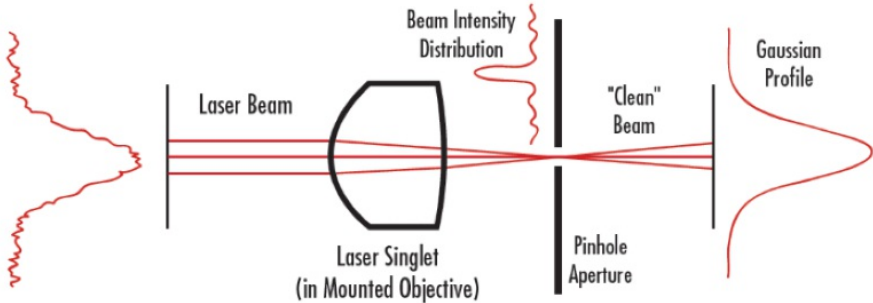
PRODUCT DETAILS

- 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