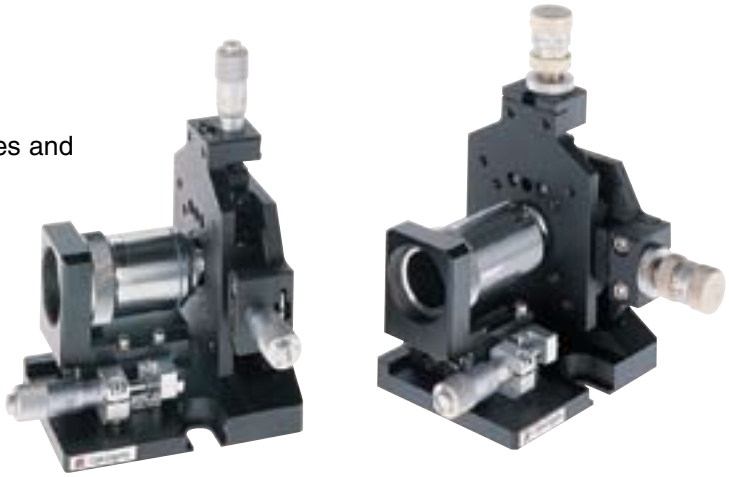
Spatial Filter



- Precise X-Y-Z alignment
- Accepts a range of pinholes and microscope objectives
- Slotted base for mounting onto optical breadboards

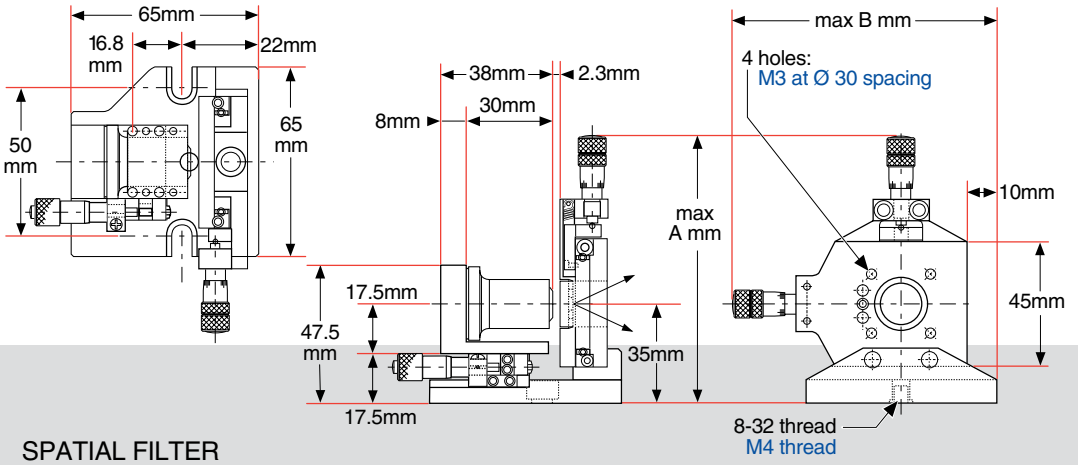
In order to transmit only the fundamental gaussian output of a laser it is common practice to spatially filter the beam. The beam is focused onto a pinhole and then allowed to diverge or be recollimated. This spatial filter has built in X, Y motion on the pinhole mount and Z motion on the focusing objective. Pinholes in 16mm mounts are accepted as well as all standard microscope objectives. These must be ordered separately. The base has two slots for 1/4-20 or M6 screws which permit mounting onto a base with two inch or 50mm separation of mounting holes.

Specifications & Tolerances

Dimensions: ±0.2mm
Finish: Black anodized & chrome
Material: Aluminum, stainless steel & brass

Adjustment: Range	±2mm
Sensitivity	0.01mm
High Sensitivity	2.5μm

Product No.	Dimensions (mm) A	B
118-0910/0915	97	84
118-0920/0925	100.5	88



SPATIAL FILTER

Spatial Filters

INCH | METRIC

Type	Dimensions, a x b (inches)	(mm)	Price	PART NUMBER	PART NUMBER
Precision	2.56 x 2.56	65 x 65		**118-0910**	**118-0915**
High Precision	2.56 x 2.56	65 x 65		**118-0920**	**118-0925**

Microscope objectives suitable for use with this spatial filter are described on page 100.
Pinholes suitable for use with this spatial filter are described on page 233.

ORDERING & TECHNICAL SUPPORT
(949) 851-5881
FAX (949) 851-5058
E-MAIL
sales@optosigma.com
WEB
www.optosigma.com