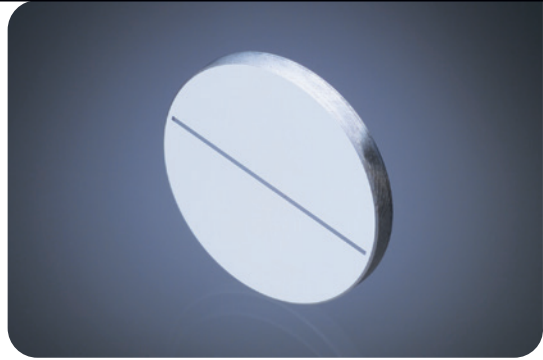


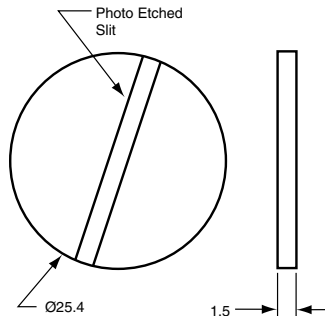
# Precision Optical Slits

Precision Optical Slits are commonly used for generating a line spread function, as entrance and exit slits in spectrophotometers and in a wide range of imaging and alignment applications. Ealing Precision Optical Slits are photo-etched on a chromium-coated optical glass substrate. Slits of widths 10-500  $\mu\text{m}$  extend across the whole substrate diameter of 25.4 mm.



## Specifications

**Diameter:** 25.4 mm  
**Thickness:** 1.5 mm  
**Background transmission:**  
 Optical density 3  
**Slit width Tolerance:**  $\pm 5\%$

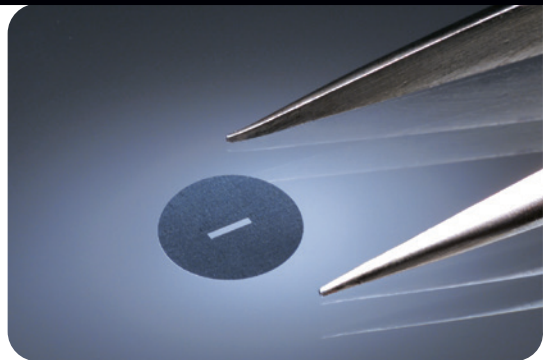


## Precision Optical Slits

Catalog Number	Slit Width ( $\mu\text{m}$ )
43-5925	10
43-5941	25
43-5966	50
43-5974	100
43-5982	200

# Precision Air Slits

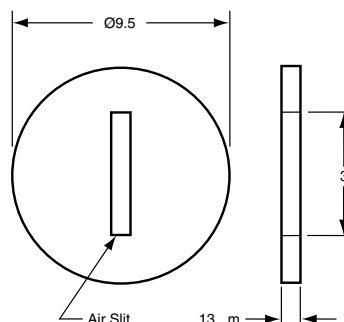
Precision Air Slits are micro-machined from solid opaque material. They can be used in all the same applications as Optical Slits. Since they do not rely on transmission through glass they are not wavelength dependent. In addition there is no coating and hence no possibility of pinhole effects in high power applications. Ealing Precision Air Slits are individually micro-machined in a 9.5 mm diameter stainless steel disc.



Magnified photo showing edge quality of Precision Air Slit

## Specifications

**Diameter:** 9.5 mm  
**Thickness:** 13  $\mu\text{m}$   
**Slit length:** 3 mm  
**Dimensions Tolerance:**  $\pm 10\%$



## Precision Air Slits

Catalog Number	Slit Width ( $\mu\text{m}$ )
43-6022	5
43-6030	10
43-6048	25
43-6055	50
43-6063	75
43-6071	100
43-6089	200
43-6097	300
43-6105	400
43-6113	500

- Optics
- Lenses
- Mirrors & Beamsplitters
- Prisms & Polarizers
- Filters
- Pinholes

- Opto-mechanics
- Breadboards & Rails
- Mounting Hardware
- Mirror & Component Mounts
- Manual Micro Positioners
- Motorized Positioners