

Spherical Lenses

Cylindrical Lenses

Lens Kits

Achromatic Doublets

Multi-Element

Micro Optics

Mirrors

Prisms

Substrates & Windows

Beamsplitters

Polarizers

Filter & Apertures

Apertures

- **Pinholes** provide a precision aperture for spatial filtering and beam profiling
- **Precision Air Slits** provide a completely open slit aperture
- **Iris Diaphragms** offer an easily adjustable method of limiting an aperture

In this section we list a number of slits, pinholes and iris diaphragms. All three are useful in providing a defined or reduced physical aperture to allow only a specific amount of light through a system. The slits and pinholes are small enough that they will act as quasi-diffraction sources or spatial filters for a number of applications.

The pinholes are precision etched in either stainless steel or copper foil. The copper foil version allows for higher power levels, as the copper is able to dissipate heat more effectively than the stainless steel versions.

Diaphragms are made from a series of interlocking leaves which open and close in such a way that a quasi-circular aperture is formed. Diaphragms are extremely useful in empirically determining the need for aperture stops to reduce scatter and stray light. Some of our iris diaphragms use a two-iris system to allow them to be closed completely to a zero aperture.

