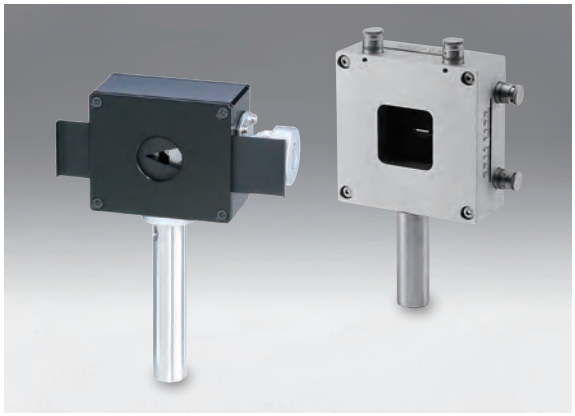
Adjustable slits have two razor sharp opposing blades that can be adjusted to vary the air gap between them.
Typical uses include spectrophotometers, Schlieren optical systems and diffraction experiments.

- A precision positioning mechanism keeps the blades straight and parallel with minimum incremental motion on the order of tens of microns.
- Two types are available. The PSL-0 is intended for ultraviolet, visible and infrared radiation. The SLX-1 is intended for use with X-rays and has tantalum blades to efficiently block X-rays.
- The PSL-0 moves the blades left and right simultaneously, enabling adjustment of slit width without changing the center position of the slit.
- The SLX-1 moves the blades independently, left and right, or up and down, thus enabling change of slit position and rectangular shape.
  The slit length on the PSL-0 is adjusted by sliding the adjustment plate.



Guide

- A micrometer version (PSL-2) that allows adjustment of slit width in increments of less than 10 microns is also available.
  WEB Reference Catalog Code W4515
- Post length can be changed by specifying the post length when you place an order. We may charge the difference in price depending on the length. Contact our Sales Division for more information.

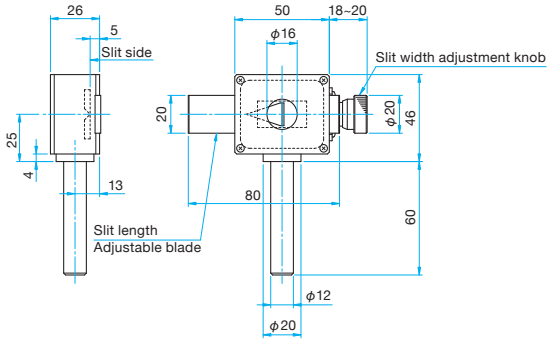
Attention

- High power lasers may damage the blades. Contact our sales team for custom applications.

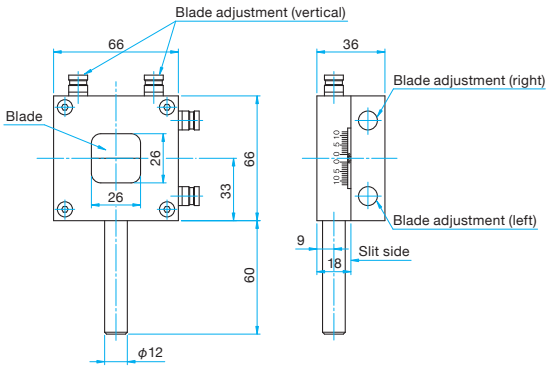
2D CAD 3D CAD

Outline Drawing

PSL-0 M6 P1



SLX-1 M6 P1



For UV/Visible/IR

Primary material: Aluminum, Brass
Finish: Black Anodized, Chrome Plated

Part Number	Options specified*	Blade Material	Slit Width Variable Range [mm]	Slit Width Scale MIN Reading [μm/DIV]	Slit Length Variable Range [mm]	Weight [kg]
PSL-0	**EE/UU**	Stainless steel (No Finish)	0 – 4	20	0 – 12	0.24

* For specifying options, please refer to “Conversion of Posts, Post Holders and Pedestal Bases of Holders”. Reference C007

For X-ray

Primary material: Aluminum
Finish: White Alumite

Part Number	Options specified*	Blade Material	X-ray Resistance [keV/cm^2]	Blade Variable Range [mm]	Blade Position Scale MIN Reading [μm/DIV]	Weight [kg]
SLX-1	**UU**	Tantalum (No Finish)	300	0 – 10	10	0.52

* For specifying options, please refer to “Conversion of Posts, Post Holders and Pedestal Bases of Holders”. Reference C007