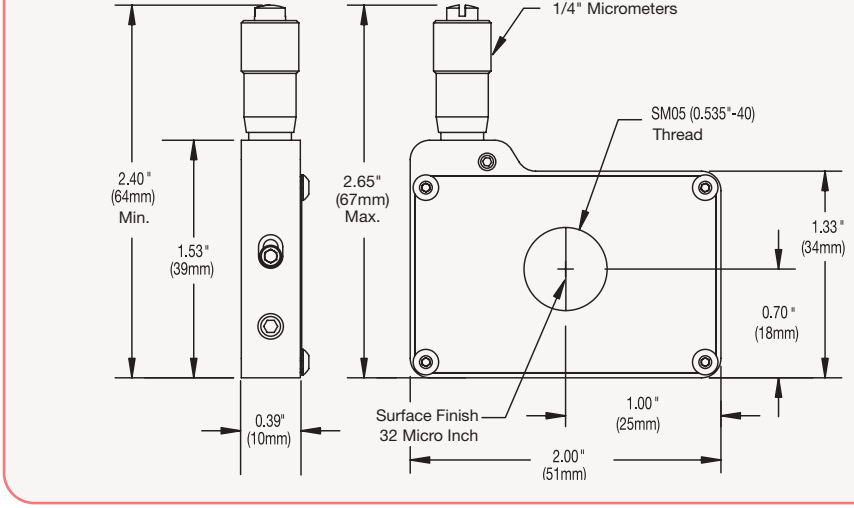
Mounting Basics
Optical Rails
Mirror Mounts
Lens Mounts
Filter Mounts
Rotation Mounts
Adapters
V-Mounts
Apertures & Iris Diaphragms
Lens Tubes
Cage Systems

Mechanical Slit

- Precise 1-to-1 Correlation Between Micrometer Head and Slit Width
- Slit Opening is Centered About Ø1/2" Through-Hole
- Slit Width Ranges from Fully Closed to 0.25" (6mm) Gap
- 0.535"-40 Tapped Center Hole in Rear Compatible With Our SM05 Series Components
- Blades are Parallel to Within 0.001" (25µm)
- Direct Correlation Between Micrometer Head and Slot Width: ±0.002" (±51µm)

The VS100 Mechanical Slit provides precise adjustment of two hardened stainless steel blades centered about a Ø1/2" through-hole. The unique design of this mount provides a 1-to-1 correlation between the adjustment of the precision micrometer drive and the subsequent change in slit width. The actual slit width ranges from fully closed to 0.25" (6mm) when fully opened. The opening remains centered on the 1/2" aperture as the slit width is varied. The slim overall profile of the mount makes it ideal for use with compact optical assemblies. A bottom-located #8-32(M4) mounting hole is compatible with our standard mounting posts and the rear 0.535"-40 threaded center hole is compatible with our SM05 series lens tubes and related components. Details on the SM05 lens tubes can be found on page 208.

Visit www.thorlabs.com For Mechnical Drawings and Our New Solid Models



FULLY OPENED

Slit opening can be continuously adjusted from fully closed to a maximum width of 6mm.

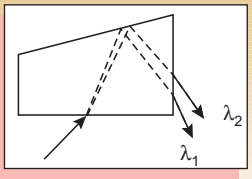
CLOSED

ITEM#	METRIC ITEM#	$	£	€	RMB	DESCRIPTION
VS100	VS100/M	$ 280.00	£ 176.40	€ 260,40	¥ 2,674.00	Adjustable Mechanical Slit

Expanding the Line

NEW

- Separate the Harmonics of a Laser Beam
- Compensate for Group Velocity Dispersion



MATERIAL	DESIGN SPECTRUM λ_1-λ_2	ANGULAR SEPARATION BETWEEN λ_1 & λ_2
BK7	380nm-2.5µm	2°
Fused Silica	190-425nm	7 °
CaF_2	130-250nm	3 °

Pellin Broca Prisms
See Page 795