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SL Gimbal Optical Mount, 2.0 in. Diameter, (2) BM Micrometers

MODEL: SL51BM

$1,103 In Stock

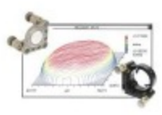
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Overview

The SL51BM Gimbal Optical Mount is a true gimbal mount for high-resolution azimuth and elevation adjustment of 51 mm diameter mirrors and beamsplitters. The fixed rotational axes intersect at the front surface of the optic, allowing simple, non-coupled rotation without translation. The gimbal design also greatly reduces beam wander and optical path-length changes. These mounts are designed for maximum clear aperture of the transmitted beam at a 45° incident angle. SL Mounts are designed for a single nominal optical diameter for positive, made-to-fit three-point mounting inside the gimbal body. The base plate can be mounted in two places which allows you to convert between right-hand and left-hand operation. SL Series Mounts are configured with a base plate and riser (if required) for a nominal 50 or 75 mm optical axis height. Riser blocks of 25 mm and 50 mm may be placed in any combination beneath the base plate to achieve any optical axis height (>75) which is a multiple of 25 mm. For continuously variable height adjustment we recommend the ECN-80 elevator base. For general applications the included BM Micrometer drives supply graduated settings for repeatable positioning.

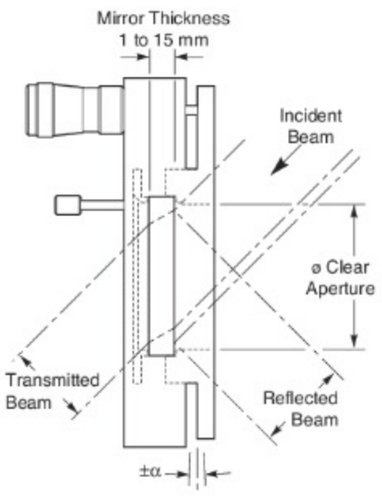


Product Series Overview

Low Wavefront Distortion Mirror Mounts

Technical Specs

Optic Diameter	50.8 mm	**Material**	Steel
Drive Type	Micrometer	**Mechanism**	Gimbal
Adjustments	θx, θy	**Thread Type**	1/4-20 (M6) SLOT
Sensitivity	3.9 arc sec	**Optical Axis Height**	75 mm
Special Features	Gimbal Mount		
Angular Range	±2°		



Resources & Downloads

Other

RoHS Compliance Certificate (141.7 kB, PDF)

2D / 3D CAD Software

Download CAD Files

Drawings And Cad

SLSERIES DWG-S (144.7 kB, PDF)

Related Products

Accessories

Compare	Description	Drawings, CAD & Specs	Avail.	Price	
	RH-50 Riser Base, 50 mm, SL Series Optical Mounts		In Stock	$98	1 Cart
	BDK-1 Ball driver Allen Wrench Set, Includes 9 Ball drivers		In Stock	$30	1 Cart
	RH-25 Riser Base, 25 mm, SL Series Optical Mounts		In Stock	$75	1 Cart
	SK-A Stainless Steel Screw Kit, Assortment, Qty 805		In Stock	$95	1 Cart

Similar

Compare	Description	Drawings, CAD & Specs	Avail.	Price	
	SL51BD Gimbal Optical Mount, 2.0 in., (2) BD Differential Micrometers		In Stock	$1,399	1 Cart
	SL101.6BD Gimbal Optical Mount, 4.0 in., (2) BD Differential Micrometers		In Stock	$1,754	1 Cart

Compatible

Compare	Description	Drawings, CAD & Specs	Avail.	Price	
	BM11.5 Standard Resolution Micrometer, 5 mm Travel, 9 lb. Load Capacity		In Stock	$148	1 Cart
	BM11.16 Standard Resolution Micrometer, 16 mm Travel, 9 lb. Load Capacity		In Stock	$172	1 Cart
	BM11.25 Standard Resolution Micrometer, 25 mm Travel, 9 lb. Load Capacity		In Stock	$181	1 Cart
	BM17.25 Standard Resolution Micrometer, 25 mm Travel, 23 lb. Load Capacity		In Stock	$194	1 Cart
	BM25.40 Standard Resolution Micrometer, 40 mm Travel, 100 lb. Load Capacity		In Stock	$363	1 Cart

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