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TECHNOLOGY GROUP

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Adjustment Screw, 100 TPI, 12.7 mm Travel, Large Knob, Side Lock



Overview

The AJS100-0.5K Adjustment Screw has precision rolled threads for exceptionally smooth adjustment and higher sensitivity than standard micrometers. The AJS100-0.5K offers 0.5 inch (12.7 mm) precision travel obtained with included large adjustment knob, ideal for use with Newport optical mounts, stages, and most micrometer-compatible components. With sub-micron sensitivity, they are a cost-effective alternative to micrometers where position readout is not required. High-precision 100 TPI, rolled stainless steel threads are mated with the collet and proprietary lubricant for stictionless movement. The standard 0.375 in. (9.5 mm) diameter collet is threaded with a nut for mounting to optical mounts and stages. A lock screw on the side secures the adjustment screw from turning.

Technical Specs

Travel Range	12.7 mm	**Lock**	Side Lock
Adjustment Screw Thread	1/4-100	**Tip Style**	Ball
Drive Type	Knob	**Sensitivity**	0.71 µm
Axial Load Capacity	90 N		

Compare	Description	Drawings, CAD & Specs	Avail.	Price
	**AJS100-0.5K-NL** Adjustment Screw, 100 TPI, 12.7 mm Travel, Large Knob		In Stock	$24
	**AJS20-0.5** Adjustment Screw, 20 TPI, 12.7 mm Travel, Small Knob, Side Lock		In Stock	$45
	**AJS100-2** Adjustment Screw, 100 TPI, 50.8 mm Travel, Small Knob, Side Lock		In Stock	$35
	**AJS127-0.5** Adjustment Screw, 127 TPI, 12.7 mm Travel, Small Knob, Side Lock		In Stock	$43
	**AJS100-1** Adjustment Screw, 100 TPI, 25.4 mm Travel, Small Knob, Side Lock		In Stock	$32
	**TRA12CC** Motorized Actuator, Miniature, 12 mm Travel, DC Servo motor		In Stock	$833
	**AJS100-0.5** Adjustment Screw, 100 TPI, 12.7 mm Travel, Small Knob, Side Lock		In Stock	$30
	**SM-13** Vernier Micrometer, 13 mm Travel, 9 lb. Load Capacity, 50.8 TPI		In Stock	$84
	**HR-13** Micrometer Head, High Resolution, 0.5 µm Sensitivity, 13 mm Travel		In Stock	$182

Compatible

Compare	Description	Drawings, CAD & Specs	Avail.	Price
	**U100-G** Gimbal Mirror Mount, ULTIMA®, Center, 1.0 in. Diameter, No Actuators		In Stock	$156
	**U100-A** Mirror Mount, ULTIMA®, Clear Edge, 1.0 in., No Actuators		In Stock	$97
	**U400-AC** Mirror Mount, ULTIMA®, Center, 4.0 in., No Actuators		In Stock	$407
	**460A-X** Manual Linear Stage, Quick-Mount, 0.5 in. Travel, 1/4-20 Thread		In Stock	$183

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