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Miniature Adjustment Screw, 100 TPI, 12.7 mm, Small Knob, Side Lock



Overview

The AJS8-100-0.5 Miniature Adjustment Screw has precision rolled threads for exceptionally smooth adjustment and higher sensitivity than standard micrometers. The AJS8-100-0.5 offers 0.5 inch (12.7 mm) precision travel obtained with included small 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 0.249 in. (6.3 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	8-100	**Tip Style**	Ball
Drive Type	Knob	**Sensitivity**	0.71 µm
Axial Load Capacity	45 N		

Compare	Description	Drawings, CAD & Specs	Avail.	Price
	**AJS8-100-0.5H** Hex Adjustment Screw, Miniature, 100 TPI, 12.7 mm Travel, Side Lock		1 Week	$29
	**AJS100-0.5K** Adjustment Screw, 100 TPI, 12.7 mm Travel, Large Knob, Side Lock		In Stock	$32
	**AJS8-100-02H** Hex Adjustment Screw, Miniature, 100 TPI, 6.35 mm Travel, Side Lock		In Stock	$29
	**AJS8-100-1** Miniature Adjustment Screw, 100 TPI, 25.4 mm, Small Knob, Side Lock		In Stock	$29
	**AJS127-0.5** Adjustment Screw, 127 TPI, 12.7 mm Travel, Small Knob, Side Lock		In Stock	$43
	**AJS20-0.5** Adjustment Screw, 20 TPI, 12.7 mm Travel, Small Knob, Side Lock		In Stock	$45
	**HR-13** Micrometer Head, High Resolution, 0.5 µm Sensitivity, 13 mm Travel		In Stock	$182

Compatible

Compare	Description	Drawings, CAD & Specs	Avail.	Price
	**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
	**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

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