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Find the *Newport 481-A* at our website: *Click HERE*

Rotation Stage, 360° Coarse, 5° Fine, Micrometer, 8-32 and 1/4-20



Overview

The 481-A Rotation Stage is ideal for fine 5° tuning the angular orientation of any component after rotating it to an approximate angle. An inner stage rotates 360° in a precision bored bushing that locks with a side mounted thumbscrew. The outer stage is a high resolution, tangentially driven design. Scale markings indicating every degree and a vernier with 5 arc min markings are engraved on the side of the stage. The 481-A is micrometer driven and attaches to tables and breadboards via clearance slots in the base, and to posts using one of two tapped holes located in the side of the stage. Additionally, the 481-A includes two 1 inch (25.4 mm) diameter retaining rings and a solid aperture insert with a centered clearance hole for on-axis mounting of components such as post holders.

Technical Specs

Coarse Travel	360°	**Backlash**	Negligible
Fine Travel	5°	**Graduations**	1°
Diameter	73.2 mm	**Vernier**	5 arc min
Load Capacity	178 N	**Maximum Drive Torque**	0.9 Nm
Sensitivity	30 arc sec	**Weight**	0.36 kg
Thread Type	8-32 and 1/4-20	**Included Actuators**	Micrometer
Optic Diameter	25.4 mm	**Recommended TRA Motorized Actuator**	TRA6CC or TRA6PPD
Optic Thickness	9 mm	**Recommended TRB Motorized Actuator**	TRB6CC or TRB6PP
Clear Aperture	19.1 mm		

Related Products

Customers Who Bought This Item Also Bought

Compare	Description	Drawings, CAD & Specs	Avail.	Price
	**SM-25** Vernier Micrometer, 25 mm Travel, 23 lb. Load Capacity, 50.8 TPI		In Stock	$125
	**GON65-U** Goniometric Stage, Upper, ±10°, 2.56 x 2.56 x 1.18 in., 6-32 & 1/4-20		In Stock	$655
	**360-90** Angle Bracket, 90°, 1/4-20 (M6) Slots, 1 in. Spacing		In Stock	$77
	**AJS100-1** Adjustment Screw, 100 TPI, 25.4 mm Travel, Small Knob, Side Lock		4 Weeks	$31
	**271** Lab Jack, 44.5 mm Travel, 4.375 x 6.5 in. Platform, 200 lb., 1/4-20 and M6		In Stock	$786
	**TGN80** Tilt Platform, Stainless Steel, 3.15 x 4.72 in., ±2.86° Range, 8-32 and 1/4-20		Contact Us	$477
	**423** Linear Stage, High-Performance, Low-Profile, 1.0 in. Travel, 1/4-20		In Stock	$271

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