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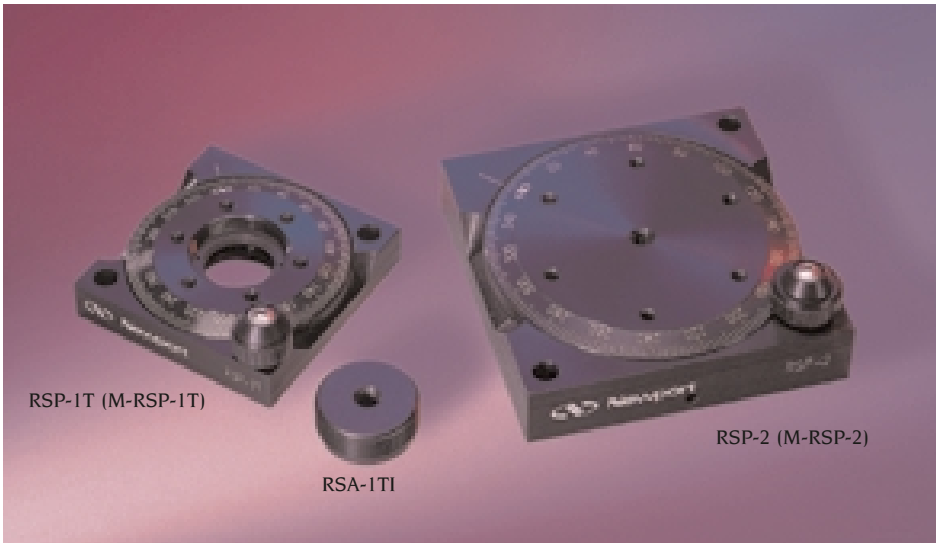
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Find the *Newport RSP-1T* at our website: *Click HERE*

Rotation Stages

Key Features

- *Continuous 360° rotation; lockable*
- *Friction drive allows coarse/fine adjustment*
- *Low profile accommodates oversized load*
- *Aperture versions accommodate 1 or 2 in. (25.4 or 50.8 mm) optics*



Newport's RSP Series Stages provide smooth, continuous angular positioning for general laboratory applications. Available in two sizes, with aperture and solid-platform versions for mounting optics or components.

The knurled edge of the rotating platform and a knurled knob give convenient coarse/fine positioning control. Angular position is indicated on a 360° scale graduated in 2° increments. The platform can be securely locked in position by a lockscrew in the adjustment knob.

These stages feature full ball races for a high load capacity for their size. Each has two counterbored clearance holes on diagonally opposite corners for direct attachment to tables, breadboards and stages. Threaded holes on one edge allow vertical mounting—especially useful for holding transmissive optics such as polarizers.

Specifications

	RSP-1 (M-RSP-1), RSP-1T (M-RSP-1T)	RSP-2 (M-RSP-2), RSP-2T
Rotation per knob turn	60°	42°
Sensitivity (arc min)	4	
Load Capacity [lb (N)]	10 (44.5)	15 (66.7)
Maximum Off-Axis Load (horiz.) [in-lb (Nm)]	35 (4)	
Maximum Drive Torque [in-lb (Nm)]	10 (1.2)	
Runout (radial and axial) [in. (µm)]	<0.001 (25)	

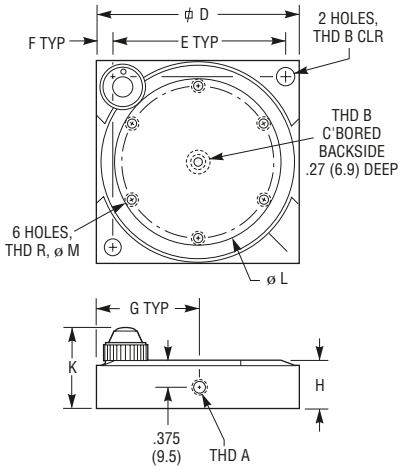
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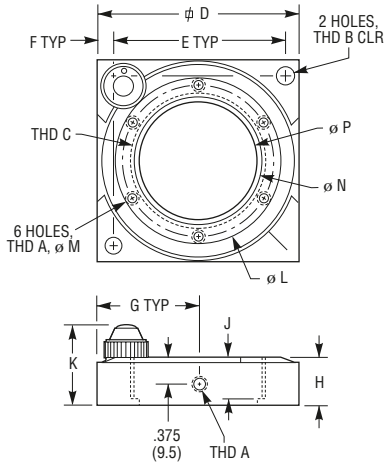
Ordering Information

Model (Metric)	Description	Price
Solid Platform Rotation Stage		
RSP-1 (M-RSP-1)	2 in. (50 mm) Platform	$124
RSP-2 (M-RSP-2)	3 in. (75 mm) Platform	$203
Threaded Aperture Rotation Stage		
RSP-1T (M-RSP-1T)	1 in. (25.4 mm) Aperture	$130
RSP-2T	2 in. (50.8 mm) Aperture	$214
RSA-1TI	Solid Insert for RSP-1T	$10

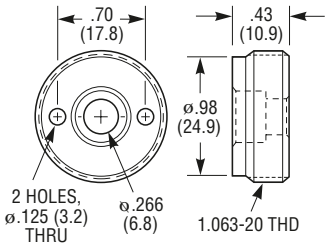
Model RSP-1, RSP-2



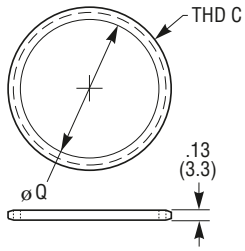
Model RSP-1T, RSP-2T



Model RSA-1TI



Retaining Ring



Model (Metric)	Thread A	Thread B	Thread C	Dimension [in. (mm)] D	E	F	G	H	J	K	L	M	N	P	Q	Thread R
RSP-1 (M-RSP-1)	8-32 (M4)	1/4-20 (M6)		2.50 (63.5)	2.00 (50.0)	0.25 (6.8)	1.25 (31.7)	0.56 (14.2)	0.50 (12.7)	1.07 (27.2)	2.18 (55.4)	1.375 (34.9)				8-32 (M4)
RSP-1T (M-RSP-1T)	8-32 (M4)	1/4-20 (M6)	1.063-20	2.50 (63.5)	2.00 (50.0)	0.25 (6.8)	1.25 (31.7)	0.56 (14.2)	0.50 (12.7)	1.07 (27.2)	2.18 (55.4)	1.375 (34.9)	1.01 (25.6)	0.875 (22.2)	0.755 (19.2)	8-32 (M4)
RSP-2 (M-RSP-2)	8-32 (M4)	1/4-20 (M6)		3.50 (88.9)	3.00 (75.0)	0.25 (7.0)	1.75 (44.4)	0.81 (20.6)	0.75 (19.0)	1.30 (33.0)	2.67 (75.7)	2.250 (57.1)				8-32 (M4)
RSP-2T	8-32	1/4-20	2.063-20	3.50	3.00	0.25	1.75	0.81	0.75	1.30	2.67	2.250	2.01	1.75	1.687	8-32

Related Products



Polarization Optics
page 511

See our website for CAD files.

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