

1.75" Adapter Plate Assembly



Stock **#53-923** 2 In Stock

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1

+

A\$90⁴⁰

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Physical & Mechanical Properties

Black Anodized Aluminum	Construction:
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Threading & Mounting

(1) 1/4-20, (2) 6-32, (2) 1/4-20 S.H.C.S Slots	Mounting Threads:
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Regulatory Compliance

Compliant	RoHS 2015:
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Product Details

- Designed for Our Linear Positing Stages and Slides
- Centered 1/4-20 Hole Enables Use with Posts and Post Holders

Our line of adapter plates are designed for our linear positioning stages and slides to permit a variety of breadboard applications. Convenient counterbored slots offer plenty of clearance room while allowing for adjustment of position. Although designed for direct mounting to a breadboard, each has a centered 1/4-20 mounting hole for vertical positioning with our posts and post holders. The mounting holes “E” separated by dimension “F” match the slide/stage base counterbored mounting holes. Use dimension “A” to match the width for ball stages (not all slides conform to this).

Note: Stock number [#53-922](#) has no slots, only 4 c'bored clearance holes for #1/4 SHCS.

For use with our [translation stages](#) and [ball bearing slides](#).

This precision-machined adapter plate enables secure and flexible integration of linear positioning stages, slides, and breadboard-mounted systems. The centered 1/4-20 threaded hole supports vertical mounting using standard optical posts and post holders. Ideal for creating modular setups in lab environments, this adapter plate offers compatibility with a wide range of motion control components. The counterbored slots ensure adjustability while maintaining a stable, flush connection, making it a versatile solution for prototyping, alignment systems, or research instrumentation.

FAQ(s)

What components is this adapter plate compatible with?

It's designed to interface with Edmund Optics' linear translation stages, ball bearing slides, standard breadboards, and optical posts.

Can this adapter plate be used for vertical setups?

Yes, the centered 1/4-20 mounting hole allows secure vertical mounting with standard posts and post holders.

What makes this adapter plate adjustable?

The counterbored slots provide adequate clearance, allowing for fine adjustment of the mounting position during setup or alignment.

Does this plate support direct mounting to optical tables or breadboards?

Yes, it's fully compatible with common breadboard hole patterns for direct and stable mounting.

Technical Information

	A	B	C	D	E	F	Stock No.
1.25" Adapter Plate Assembly	1.25"	2.75"	2.00"	1.00"	4-40	0.88"	#53-922
1.75" Adapter Plate Assembly	1.75"	3.75"	3.00"	1.00"	6-32	1.12"	#53-923
2.62" Adapter Plate Assembly	2.62"	4.75"	4.00"	2.00"	1/4-20	2.00"	#53-924
5.00" Adapter Plate Assembly	5.00"	6.75"	6.00"	4.00"	1/4-20	4.00"	#53-925

The technical drawing illustrates the adapter plate from two perspectives: a top view and a side view. The top view shows a rectangular plate with dimensions A (total width), B (total height), and F (distance between mounting holes). It features a central 1/4-20 TPI threaded hole, two mounting holes (E thread) spaced B/2 apart, and two slots for 1/4-20 S.H.C.S. The side view shows the plate's thickness (0.375 inches) and the internal structure of the slots, with dimensions C and D indicating the slot's width and depth.