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Search Keyword or Model#

450A Series Compact Ball Bearing Linear Stage

- Compact, stackable design
- Components mount on either side of the stage
- All steel construction
- Ultra-fine, 80-pitch drive screw



LIVE CHAT

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Model 450A Compact Ball Bearing Linear Stage incorporates ball bearing construction in a miniature package for applications where space is at a premium. The 1 in. square translating platform is supported within the frame by balls riding between opposing pairs of precision-ground, hardened rods. It is preloaded to remove wobble and play and is spring loaded against an 80-pitch lead screw for backlash-free travel.

	Model	Description	Availability	Price	Qty.
	**450A**	Compact Ball Bearing Linear Stage, 0.25 in. Travel, 6 lb Load Capacity	**In Stock**	**$286.00**	ADD

Features

Multi-Axis Configurations



*Model **450P** Adaptor Plate*

Multi-axis translation systems can be assembled by attaching the frame of one stage directly to the platform of another. Adaptor Plate 450P provides a set of tapped and clearance mounting holes to accommodate post holders and other components, and to provide attachment to optical tables and breadboards.

Slightly Elevated Stage

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The drive knob extends out a distance from the frame, independent of the platform travel, to minimize space requirements. To ensure clearance for overhanging components, the stage is elevated slightly above the frame.

Specifications

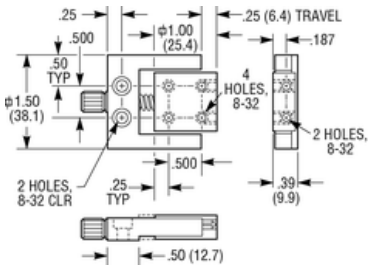
Maximum Stage Travel (in.)	0.25
Sensitivity (µm)	1
Angular Deviation(urad)	<300
Max Centered Load [lb (N)]	10 (44)
Load Capacity, Vertical [lb (N)]	6 (27)

Accessories

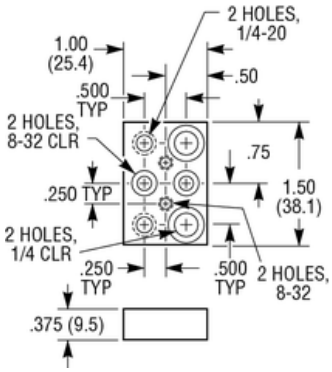
	Model	Description	Availability	Price	Qty.
	**450P**	Adaptor Plate, 450A Linear Stage	**In Stock**	**$51.00**	ADD

Dimensions

Model 450A



Model 450P



ILX Lightwave New Focus Newport OPHIR ORIEL INSTRUMENTS Richardson Gratings Spectra-Physics

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