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TECHNOLOGY GROUP

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Find the *Newport 436* at our website: ***Click HERE***

Manual Linear Stage, Crossed-Roller Bearings, 2.0 in. Travel, 1/4-20



Overview

The 436 High-Performance Low-Profile Crossed-Roller Bearing Linear Stages feature crossed-roller bearings running on ground steel V-ways to provide an attractive combination of high-resolution movement, low runout, and large load capacity. For stability, repeatability, and exceptionally smooth motion, actuators bear upon a hardened carbide insert. Springs provide preload against the actuator tip to eliminate backlash. To ensure consistently dependable performance, these stages are extensively tested in Newport's Interferometric Quality Assurance Facility. A highly stable and rigid stainless steel actuator mounting system allows your choice of Newport's manual or motorized actuators to be attached to the stage in either a left- or right-hand configuration. A non-influencing lock (also reversible for left handed configurations) similar to those used on our top of the line ULTRAlign™ Series provides positive stable positioning and guards against inadvertent adjustments. This solid platform version features a convenient array of 1/4-20 tapped holes and a 2 inch (50.8 mm) travel range. The stages are easily stacked for XY applications, and may be combined with our Model 360-90 Angle Bracket for XYZ configurations.

Technical Specs

Axes of Travel	X	**Drive Location**	Side drive
Maximum Stage Travel	50 mm	**Platform Size**	3.5 x 6.0 in.
Thread Type	1/4-20	**Height**	1.0 in.
Load Capacity	556 N	**Weight**	2.491 lbs
Maximum Centered Load	556 N	**Recommended Adjustment Screw**	AJS100-2
Vertical Load Capacity	67 N	**Recommended Vernier Micrometer**	SM-50
Angular Deviation	<150 µrad	**Recommended LTA Motorized Actuator**	LTA-HS
Material	Aluminum		
Bearings	Crossed-Roller Bearings		

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