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Find the *Newport 423* at our website: ***Click HERE***

Linear Stage, High-Performance, Low-Profile, 1.81 in. Travel, 1/4-20



Overview

The 433 translation stage with its large 3 in. x 4 in. platform features exceptional performance, usability, and value with precision ball bearing construction – hardened balls rolling between opposing pairs of hardened and polished stainless steel rods providing better than 200 microradian angular deviation. For stability, repeatability, and exceptionally smooth motion, actuators bear upon a hardened carbide insert. Springs provide preload against the actuator tip to eliminate backlash. Although the stage is capable of traveling a full 1.8 in. (46-mm) with the SM-50 micrometer drive, the actuator mounting blocks can be relocated to accommodate 1.0 in. (25.4) drives like the SM-25. This stage can also be reconfigured into a left-handed version with the micrometer on the opposite side. A non-influencing lock (also reversible for left-handed configuration) provides positive stable positioning and guards against inadvertent adjustments. Actuators for this stage are sold separately.

Technical Specs

Axes of Travel	X	**Drive Location**	Side drive
Maximum Stage Travel	46 mm	**Platform Size**	3.0 x 4.0 in.
Thread Type	1/4-20	**Height**	1.0 in.
Load Capacity	191 N	**Recommended Adjustment Screw**	AJS100-2
Vertical Load Capacity	67 N	**Recommended Vernier Micrometer**	SM-50
Angular Deviation	<200 µrad	**Recommended LTA Motorized Actuator**	LTA-HS
Material	Aluminum		
Bearings	Single-Row Ball Bearings		

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