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TECHNOLOGY GROUP

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Find the *Newport 425* at our website: *Click HERE*



Low-Profile Crossed-Roller Bearing Linear Stage, 1 in. Travel, 1/4-20

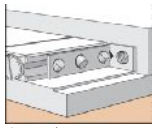
MODEL: 426

$470.00 **In Stock**

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Description

The 426 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 1 inch (25.4 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.



(/f/extended-platform-crossed-roller-bearing-stages)

Product Series Overview

Extended Platform Crossed-Roller Bearing Stages (/f/extended-platform-crossed-roller-bearing-stages)

Technical Specs

Axes of Travel	X	**Material**	Aluminum
Maximum Stage Travel	25 mm	**Bearings**	Crossed-Roller Bearings
Thread Type	1/4-20	**Drive Location**	Side drive
Recommended Actuators	Sold Separately	**Maximum Centered Load**	325 N
Load Capacity	325 N	**Vertical Load Capacity**	67 N
Angular Deviation	<150 µrad		

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Resources & Downloads

2D / 3D CAD Software

Download CAD Files

Drawings And Cad

426-1-DWG-S (/medias/sys_master/images/images/h48/h2f/8933895733278/426-1-DWG-S.pdf) (107.1 kB, PDF)

Related Products

Similar Products

	Compare	Description	Avail.	Price
(/p/433)	**433 (/p/433)**	High-Performance Low-Profile Ball Bearing Linear Stage, 1.81 in.,1/4-20	**In Stock**	**$296.00**
(/p/443-4)	**443-4 (/p/443-4)**	High-Performance Low-Profile Ball Bearing Linear Stage, 4.0 in., 1/4-20	**In Stock**	**$317.00**
(/p/462-X-M)	**462-X-M (/p/462-X-M)**	Crossed-Roller Bearing X Linear Stage, ULTRAlign, 1.0 in.	**In Stock**	**$631.00**
(/p/436)	**436 (/p/436)**	Low-Profile Crossed-Roller Bearing Linear Stage, 2 in. Travel, 1/4-20	**In Stock**	**$659.00**
(/p/423)	**423 (/p/423)**	High-Performance Low-Profile Ball Bearing Linear Stage, 1.0 in., 1/4-20	**In Stock**	**$255.00**

Compatible Products

	Compare	Description	Avail.	Price
(/p/AJS100-1)	**AJS100-1 (/p/AJS100-1)**	Precision 100 TPI Adjustment Screw, 25.4 mm, Small Knob, Side Lock	**In Stock**	**$28.00**
(/p/SM-25)	**SM-25 (/p/SM-25)**	Vernier Micrometer, 25 mm Travel, 23 lb Load Capacity, 50.8 TPI	**In Stock**	**$112.00**
(/p/HR-13)	**HR-13 (/p/HR-13)**	High Resolution Micrometer, 0.5 µm Sensitivity, 13 mm Travel	**In Stock**	**$158.00**
(/p/DM-25L)	**DM-25L (/p/DM-25L)**	Lockable Differential Micrometer, 25 mm Coarse, 0.2 mm Fine,11 lb. Load	**In Stock**	**$537.00**
(/p/LTA-HS)	**LTA-HS (/p/LTA-HS)**	High Speed LTA Motorized Actuator, 50 mm travel, LTA, 3/8-40 thread	**2 Weeks**	**$1,745.00**

Accessory Products

	Compare	Description	Avail.	Price
(/p/360-30)	**360-30 (/p/360-30)**	Angle Bracket, 30°/60°, Slotted Faces	**In Stock**	**$102.00**
(/p/SK-A)	**SK-A (/p/SK-A)**	Stainless Steel Screw Kit, Assortment, Qty 805	**In Stock**	**$92.00**
(/p/360-45)	**360-45 (/p/360-45)**	Angle Bracket, 45°, Slotted Faces	**In Stock**	**$92.00**
(/p/360-90)	**360-90 (/p/360-90)**	Angle Bracket, 90°, Slotted Faces	**In Stock**	**$72.00**
(/p/AB-4)	**AB-4 (/p/AB-4)**	Actuator Push Block, Spare, 423/433/443 Stages	**In Stock**	**$20.50**

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