



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)

Products (/c/product) / Motion Control (/c/motion-control) / Linear Translation Stages (/c/linear-translation-stages) / Manual Linear Stages (/c/manual-linear-stages) / 423 Extended Range Ball Bearing Linear Stages (/f/423-extended-range-ball-bearing-linear-stages) / 423

## High-Performance Low-Profile Ball Bearing Linear Stage, 1.0 in., 1/4-20

MODEL: 423

\$255.00

In Stock

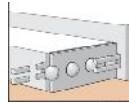
Compare

Add to List

☆ (/favorite/add/product/423)



(/medias  
/sys\_master  
/images/images  
/hc4/hbe  
/8808873230366  
/423-800w.jpg)



(/medias  
/sys\_master  
/images/images  
/h81/h9c  
/8798084923422  
/Fig-15-  
S-800w.gif)



### Description

The 423 linear translation stage with its large 3 in. square 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 in. (25.4 mm) with the SM-25 micrometer drive, the actuator mounting blocks can be relocated to accommodate 0.5 in. (12.7 mm) drives like the SM-13. 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.



(/f/423-extended-range-ball-bearing-linear-stages)

### Product Series Overview

423 Extended Range Ball Bearing Linear Stages (/f/423-extended-range-ball-bearing-linear-stages)

### Technical Specs

<b>Axes of Travel</b>	X	<b>Material</b>	Aluminum
<b>Maximum Stage Travel</b>	25 mm	<b>Bearings</b>	Ball Bearings
<b>Thread Type</b>	1/4-20	<b>Drive Location</b>	Side drive
<b>Recommended Actuators</b>	Sold Separately	<b>Vertical Load Capacity</b>	67 N
<b>Load Capacity</b>	156 N		
<b>Angular Deviation</b>	<200 µrad		

### Resources & Downloads

#### 2D / 3D CAD Software

Download CAD Files

#### Drawings And Cad

423-1-DWG-S (/medias/sys\_master/images/images/h20/hf0/8933895700510/423-1-DWG-S.pdf) (102.8 kB, PDF)

Support: (877)835-9620 (tel.(877)835-9620) Hours: Monday - Friday, 5am - 5pm PST Contact Us (/contact-us)



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)