

Stepper Motor With Ball Screw Drives-1" and 2" Travel

- 1" (25mm) and 2" (50mm) Travel Versions
- 0.05µm Resolution
- 4mm/sec Max Speed
- 1µm Bidirectional Repeatability
- 55lbs (25kg) Load Capacity

Single Axis Stages

Multi-Axis Stages

Flexure Stage Accessories

Motorized Mirror Mounts

Rotation Stages

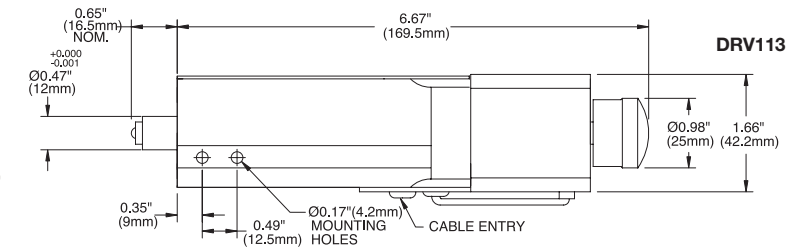
Drive Electronics & Auto-Alignment

Actuators & Adjusters

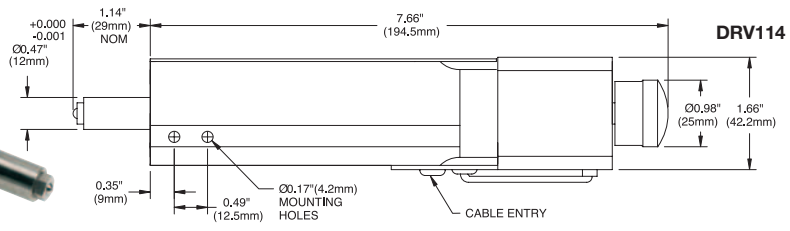
Brief Tutorials



DRV113



DRV114



These stepper motor actuators incorporate ball screw drives and provide low friction, 24/7 operation with no maintenance. They offer a combination of high-speed and high-load capacity and are ideally suited for applications that require high-speed precision motion control. Unlike trapezoidal leadscrews, ball screws have rolling surfaces that wear less than sliding interfaces and are preloaded to eliminate backlash.

These actuators have been designed specifically for heavy loads, providing a load capacity of 55lbs (25kg). They are compatible with our TravelMax series of stages (see page 270).

ITEM#	\$	£	€	RMB	DESCRIPTION
DRV113	\$ 1,244.00	£ 783.70	€ 1,156.90	¥ 11,880.20	Ball Screw Stepper Motor, 1" (25mm) of Travel
DRV114	\$ 1,392.00	£ 877.00	€ 1,294.60	¥ 13,293.60	Ball Screw Stepper Motor, 2" (50mm) of Travel

Stepper Motor With Trapezoidal Drives - 1" and 2" Travel

- 1" (25mm) and 2" (50mm) Travel Versions
- 0.05µm Resolution
- 4mm/sec Max Speed
- 1µm Bidirectional Repeatability
- 48lbs (22kg) Load Capacity
- Manual Adjuster Knob Provided



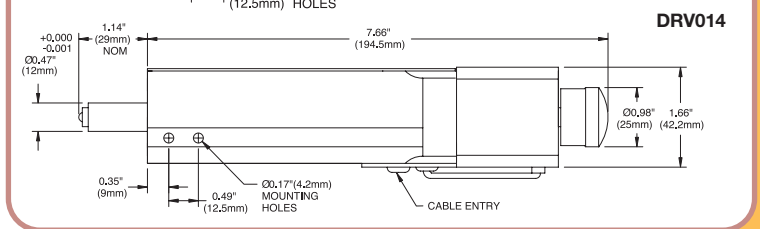
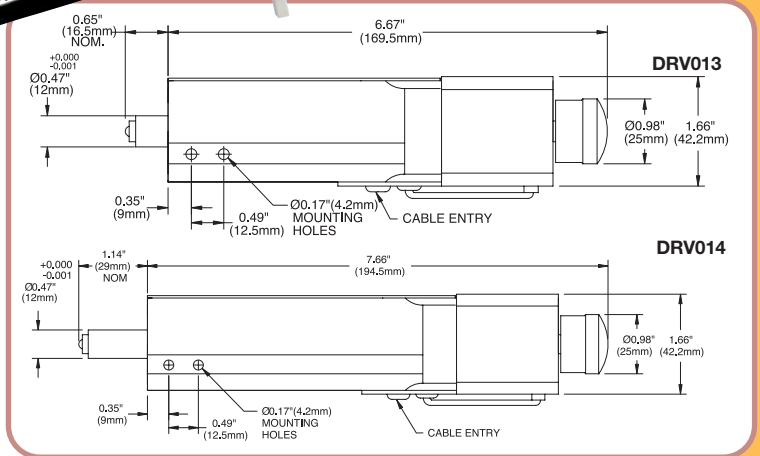
DRV013



See Our Single-Channel, Stepper-Motor Controller on Page 366

These stepper motor drives have a trapezoidal screw thread for clean, wear resistant operation. Trapezoidal lead screws are an economical solution for applications that do not demand the accuracy or load carrying capacities of the ball screw actuators above.

The DRV013 drive offers 1" (25mm) of travel while the DRV014 drive offers 2" (50mm). Both units provide 50nm resolution, 4mm per second maximum speed, and less than 1µm bidirectional repeatability. Both units are capable of driving loads as high as 48lbs (22kg). They are compatible with our TravelMax series of stages (see page 270).



ITEM#	\$	£	€	RMB	DESCRIPTION
DRV013	\$ 918.00	£ 578.30	€ 853.70	¥ 8,766.90	1" (25mm) Trapezoidal Stepper Motor
DRV014	\$ 1,028.50	£ 648.00	€ 956.50	¥ 9,822.20	2" (50mm) Trapezoidal Stepper Motor