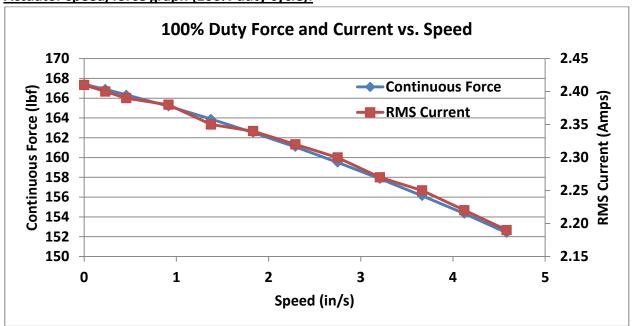


## **Product Description:**

Ultra Motion Custom D2 Actuator with a precision ground, zero backlash metric ball screw, triplex angular contact bearings, 20,000 CPT commutating encoder, custom cable harnesses, and custom BLDC motor. Optimized for low torque ripple, low vibration, high accuracy, and short overall length.





## **Product Specifications:**

Stroke Length:	1 inch
Lead Screw:	Steel ball screw with recirculating ball bearing nut, 2 mm per revolution, 98% efficient
Rated Maximum No-Load Speed:	4.5 in/s
Rated Continuous Force:	160 lbf
Rated Peak Force:	500 lbf
Rated Life:	318 million mm of travel (10 years)
Accuracy:	30 μm/300 mm

**Feedback 1:** A 20,000 CPT commutating encoder to provide 0.1  $\mu$ m linear resolution and commutation signals to the controller.



