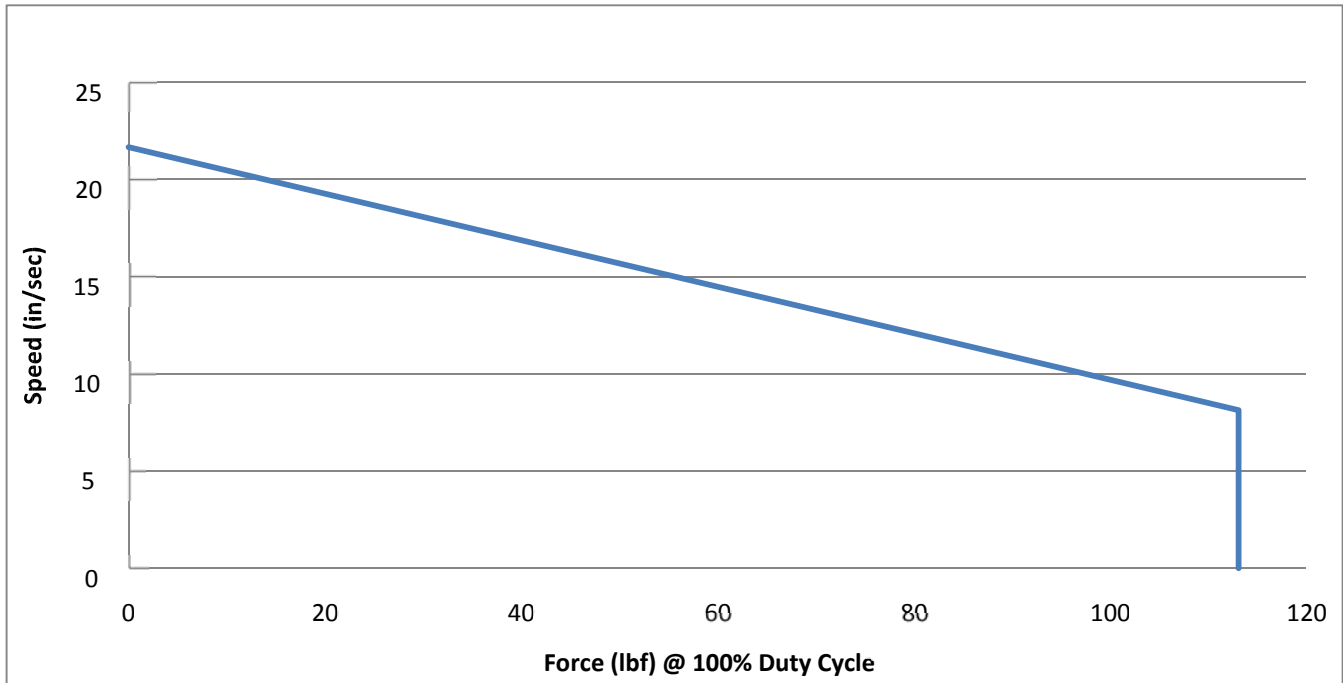




Product Description:

Ultra Motion Series B3 Linear Actuator, 8 inch stroke, NEMA 23 frame brushless DC motor with integrated motion controller & optical encoder, ball bearing nut/lead screw- 0.125" pitch, 1:1 belt drive ratio, internal linear potentiometer, block tube mount fitting, 1/4" spherical bearing rod end.

Actuator speed/force graph (100% duty cycle):



Product Specifications:

Stroke Length:	8 inches
Lead Screw:	Steel ball screw with recirculating ball bearing nut, 0.125 inch pitch per revolution, 98% efficient
Belt Drive Ratio:	1:1
Rated Maximum No-Load Speed:	21.67 inches/second
Rated Continuous Force:	113.1 lbf
Rated Short Duration Force:	180.9 lbf
Rated Burst Force:	271.4 lbf

Feedback 1: High Resolution Optical Encoder (250,000 total pulses per 8 inch stroke, used for highspeed PID loop input).

Feedback 2: Internal Linear Potentiometer (Used for homing & error checking).

Inputs: 4-Channel Analog or Digital, 0-5V position control (closed-loop, high bandwidth servo control) Value is scalable.

Outputs: 3-Channel Analog or Digital.

This actuator is based around a fully programmable motor with integrated controller that can function as an independent PLC.

Tube Fitting: Block Mount

Nose Fitting: ¼" spherical bearing rod end with jam nut

