

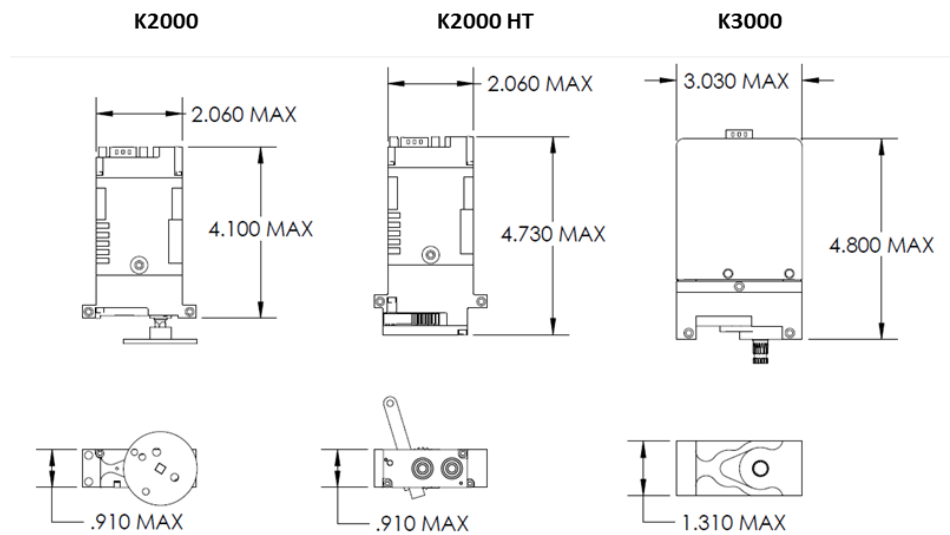
Ruggedized & Reliable Actuators for UAVs

The Kearfott K2000 family of actuators is ideal for primary and secondary unmanned aerial vehicle (UAV) flight control, landing gear, and utility applications. Our UAV actuator solutions are easily adaptable and deliver superior performance in the smallest of envelopes.

The renowned Kearfott K2000 actuator has accumulated over one million flight hours; many in extreme military environments. Its unique, low-profile design is powerful, lightweight, and well suited to today's thin-wing section and volume-constrained requirements. Our full line of actuators also includes the higher power K3000; introduced to meet the flight control demands of high-performance UAVS.

Features & Benefits

- ✓ High Reliability
- ✓ Low Profile, Compact Design
- ✓ “Smart” Option Available with Integrated Digital Controls
- ✓ Interface & Feedback Options
- ✓ Ideal for Primary & Secondary UAV Flight Controls & Utilities
- ✓ Environmentally Sealed



All dimensions in the above drawings are in inches.

Unmanned Flight Control Product Specifications

<i>Physical Characteristics</i>	<i>K2000</i>	<i>K2000 Hi Torque</i>	<i>K3000</i>
Weight	10 oz. (283 g)	12 oz. (340 g)	14.5 oz. (411 g)
<i>Input/Output (I/O)</i>			
Power Input	28 VDC (nominal)	28 VDC (nominal)	28 VDC (nominal)
Command Interface	Analog (PWM), Digital (RS485)		
<i>Performance Characteristics</i>	<i>K2000</i>	<i>K2000 Hi Torque</i>	<i>K3000</i>
No-Load Speed	250°/s	100°/s	200°/s
Rated Torque (in-lb)	25 in-lb	50 in-lb	75 in-lb
Peak Torque	50 in-lb (565 Ncm)	90 in-lb (1017 Ncm)	75 in-lb (847 Ncm)
Operating Temperature Range	-40 to 70°C (-40 to 158°F)	-40 to 70°C (-40 to 158°F)	-40 to 70°C (-40 to 158°F)
Frequency Response	-3dB @ 4 Hz	-3dB @ 2 Hz	-3dB @ 10 Hz
Electrical Stroke	+/- 45°	+/- 45°	+/- 45°