

# 2000 Linear

## General Specifications:

- Output Force Over 100 lbs
- Linear Speeds Over 2" per second
- Stroke Length 2" to 4"
- Brushless DC Motor
- Oil-Filled - Self-Contained - Compensated

## Operating Conditions:

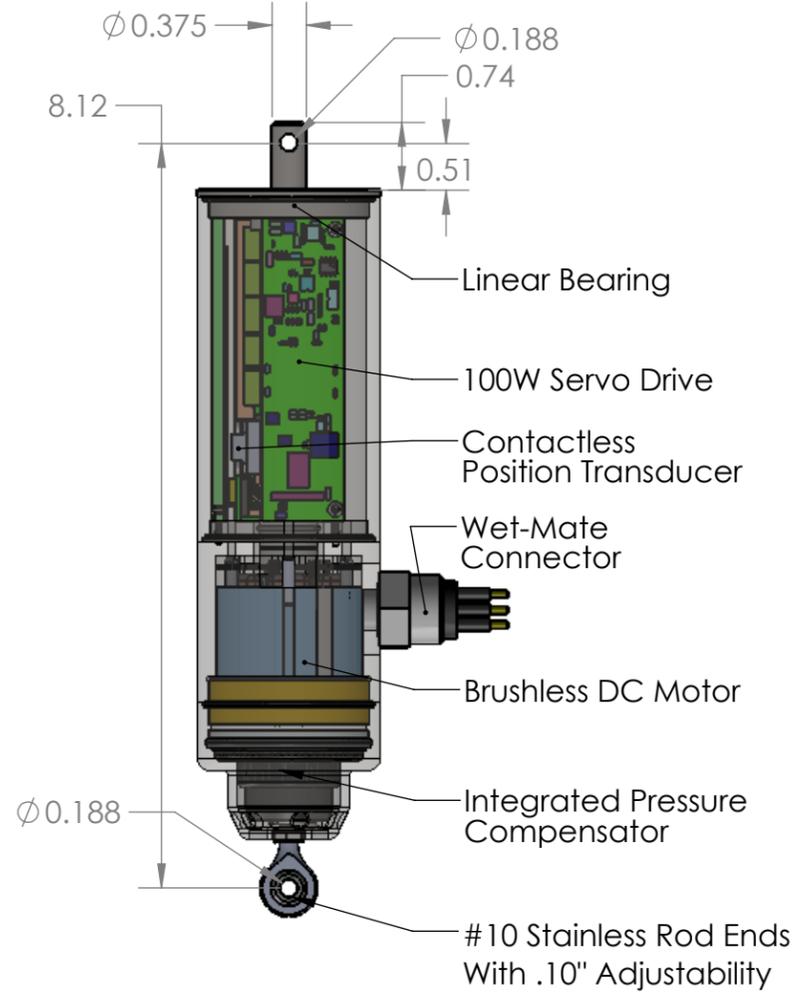
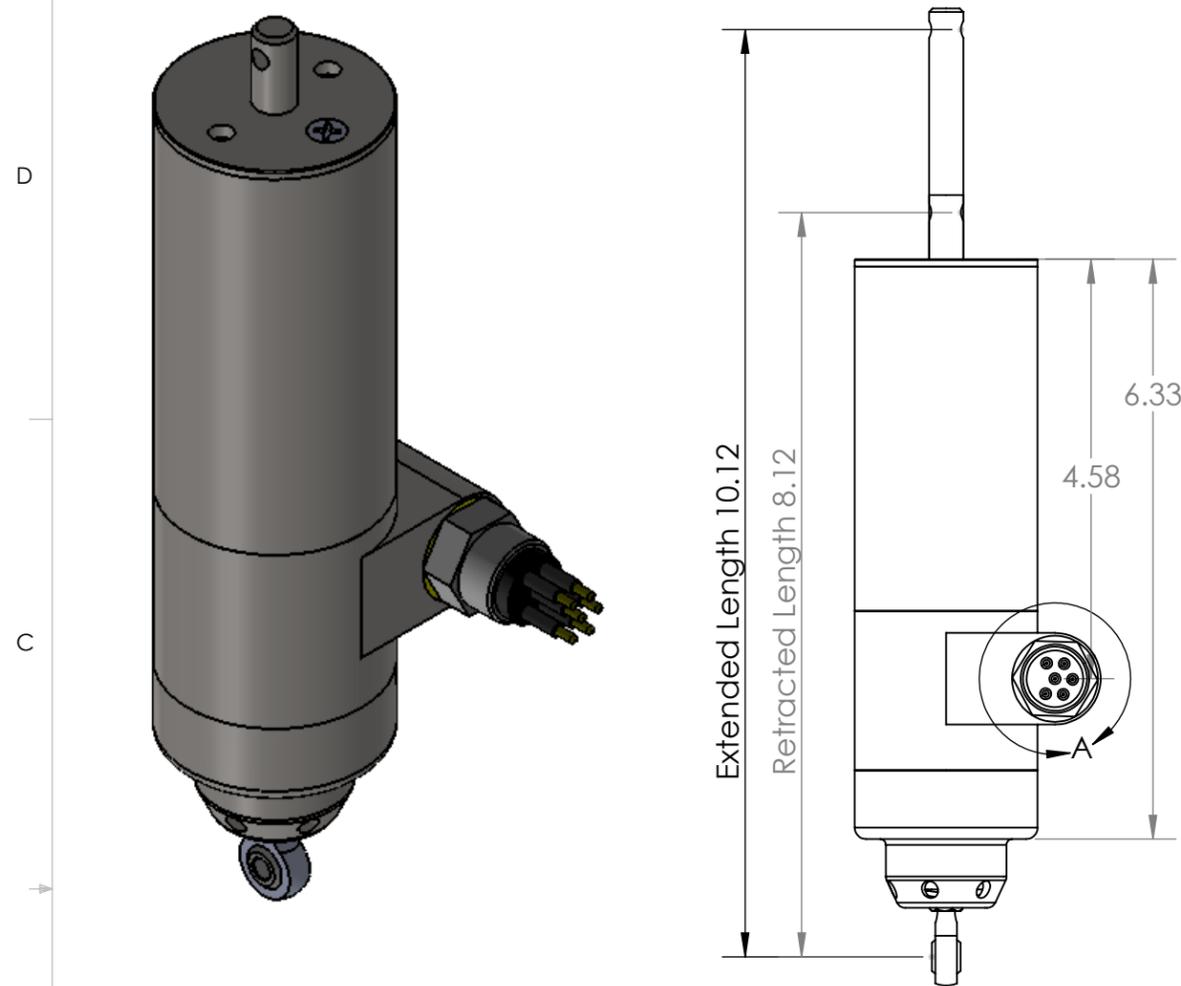
- Voltage 12 <-> 32 Volts DC
- Operating Depth Greater Than 10,000 ft
- Operating Temperature Range: -20°C to 65°C
- Storage Temperature Range: -30°C to 85°C

## Onboard Motor Driver and Servo System:

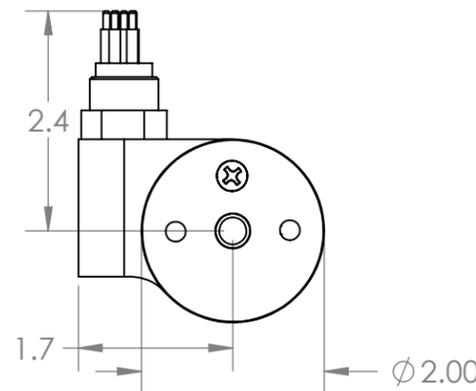
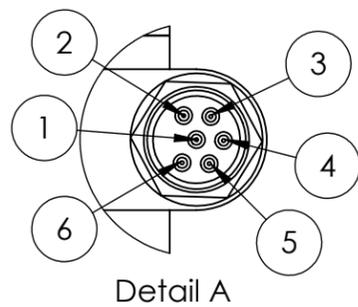
- Configurable current limits, power and speed
- RS-232 & RS-485 Interface
- Optional Analog, Modbus or CAN Bus
- Contactless non-wearing absolute position encoder
- Does not require homing
- 0.005" Accuracy

## Current Draw @24V DC:

- Idle current = 0.03A
- Motor ON braking = 0.12A
- Max force @ Stall = 5A



Pinouts for MCBH-6-M  
 1: TX (RS-232 out)  
 2: RX (RS-232 in)  
 3: RS-485 B  
 4: +VIN  
 5: -VIN  
 6: RS-485 A



Shaft Style		Shaft Length (in.)		Material		Dry Weight (lbs)	Wet Weight (lbs)	Connectors		Connector Orientation	
#10 Rod End	R	2.00 *	<b>2000</b>	Titanium	TI	2.8	2	MCBH 4 Pin Male	<b>4M</b>	Parallel Forward	<b>PLF</b>
3/16in. Clevis Pin *	C	4.00	<b>4000</b>	316 SS *	SS	3.9	3.2	MCBH 6 Pin Male *	<b>6M</b>	Parallel Backward	<b>PLB</b>
1/4in. Clevis Pin	.25C			6061-AL-Natural	ALN	2.3	2.0	MCBH 8 Pin Male	<b>8M</b>	Perpendicular *	<b>PD</b>
1/4in. Rod End	.25R			6061-AL-Black	ALK	2.3	2.0	MCBH 4 Pin Female	<b>4F</b>		
				6061-AL-Blue	ALB	2.3	2.0	MCBH 6 Pin Female	<b>6F</b>		
				6061-AL-Green	ALG	2.3	2.0	MCBH 8 Pin Female	<b>8F</b>		
				6061-AL-Red	ALR	2.3	2.0				
* Model shown: 2000L-C2000-SS-6MPD				All Weights Are Approximate for 2in Stroke Actuator							



ENGINEERING

TITLE: 2000 Series Linear Actuator

SIZE: **B** DWG. NO.: **2000L** REV: **G**

SCALE: 1:2 WEIGHT: SHEET 1 OF 5

DRAWN: GMPH 3/7/2016

CHECKED: GMPH 3/7/2016