

**PA-06**  
**Data Sheet**



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# Specifications



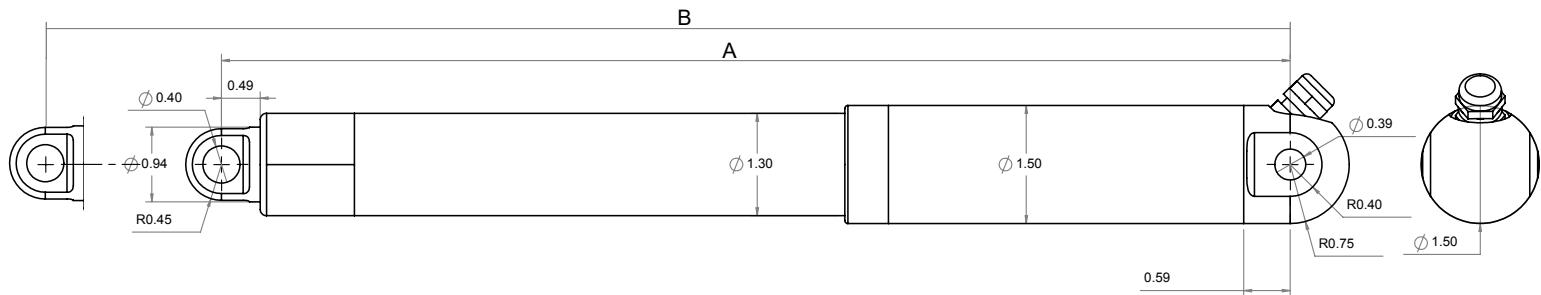
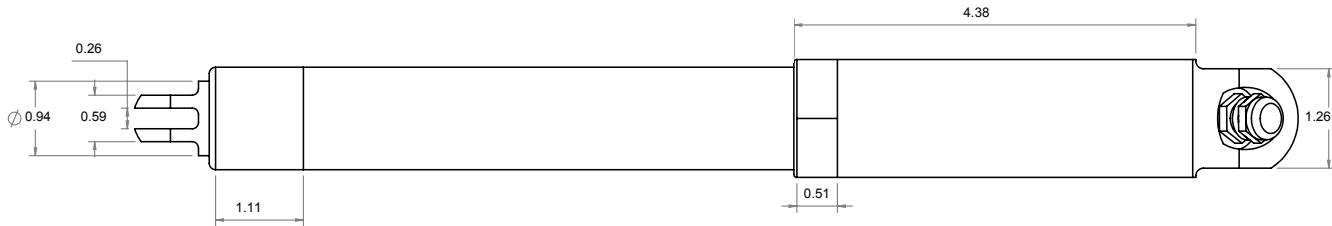
Load (LBS)		No Load Current (A)		Full Load Current (A)		Speed (inch/sec)	
Dynamic	Static	12VDC	24VDC	12VDC	24VDC	No Load	Full Load
22	33	0.6	0.3	2.5	1.3	1.38	1.18
180	360	0.6	0.3	3.7	1.8	0.47	0.27

<b>Stroke</b>	2" to 24"
<b>Limit Switch</b>	Internal - Non-Adjustable
<b>Limit Switch Feedback</b>	N/A
<b>Screw Type</b>	Trapezoid Screw
<b>Motor Type</b>	Brushed DC Motor
<b>Connector Type</b>	See Page 5
<b>Wire Length</b>	59" (customizable)
<b>Housing Material</b>	6063 Aluminum
<b>Rod Material</b>	304 Stainless Steel
<b>Gear Material</b>	Polyformaldehyde
<b>Color (Shaft)</b>	Black
<b>Color (Motor End)</b>	Black
<b>Noise</b>	<60dB
<b>Duty Cycle</b>	10% (2 minutes on, 18 minutes off)
<b>Operational Temperature</b>	-20°C to 60°C (-4°F to 140°F)
<b>Protection Class</b>	IP67M
<b>Feedback Options</b>	Hall Effect (see page 5)
<b>Safety Feature</b>	Over Current Protection Optional (see page 5)
<b>Certifications</b>	CE
<b>Mounting Brackets</b>	See Page 6
<b>Mounting Ends</b>	Customizable



# Dimensions

(Dimensions in inches)



## Hole to Hole

PA-06	Stroke	2	4	6	8	10	12	14	16	18	20	22	24
	A	9.87	11.87	13.87	15.87	17.87	19.87	21.87	23.87	26.37	28.50	30.50	32.50
	B	11.87	15.87	19.87	23.87	27.87	31.87	35.87	39.87	44.50	48.50	52.50	56.50

### For Stroke Length 2"-16"

A = Stroke Length + 7.87"

B = Stroke Length x 2 + 7.87"

### For All Stroke Lengths with Hall Effect Sensor

or Over Current Protection

A = Stroke Length + 8.65"

B = Stroke Length x 2 + 8.65"

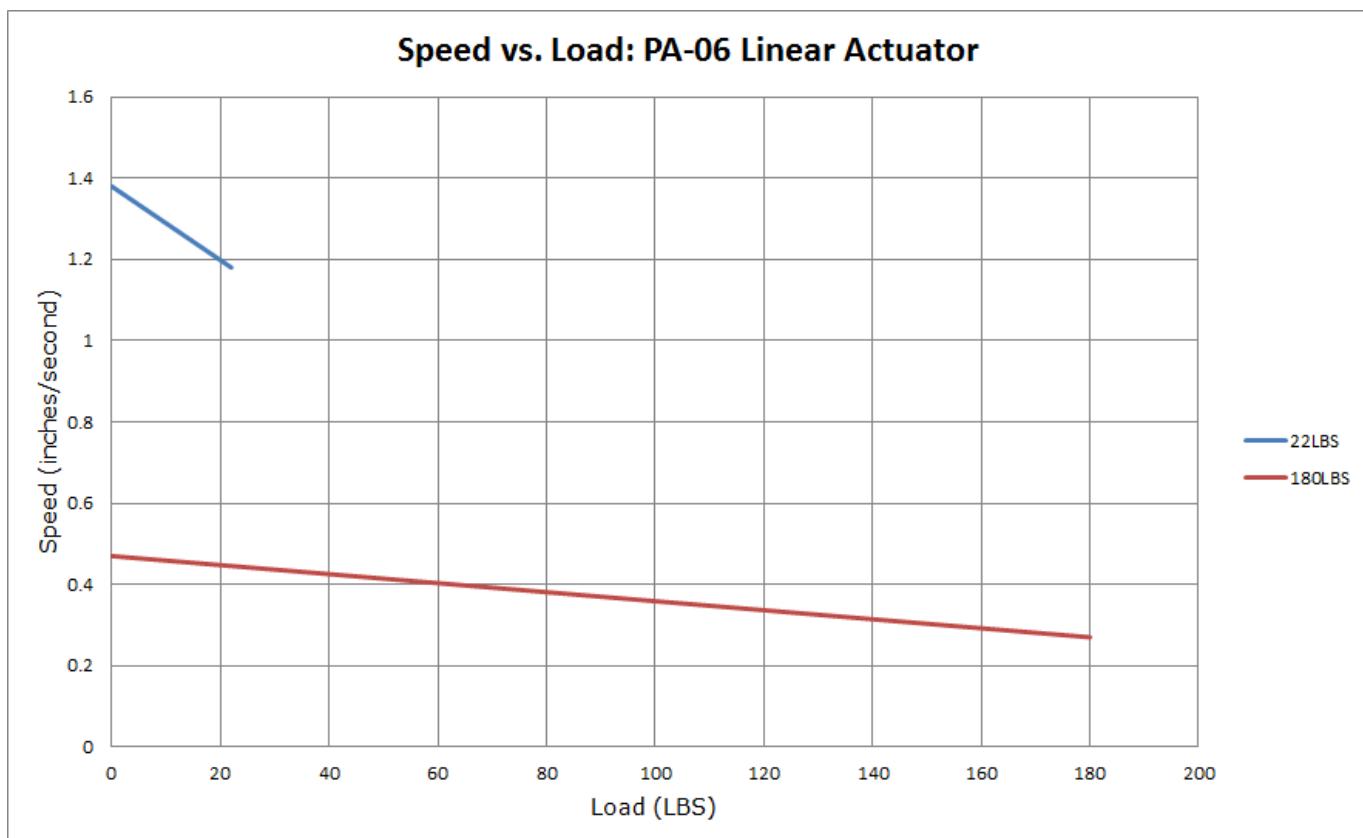
### For Stroke Length 18"-24"

A = Stroke Length + 8.50"

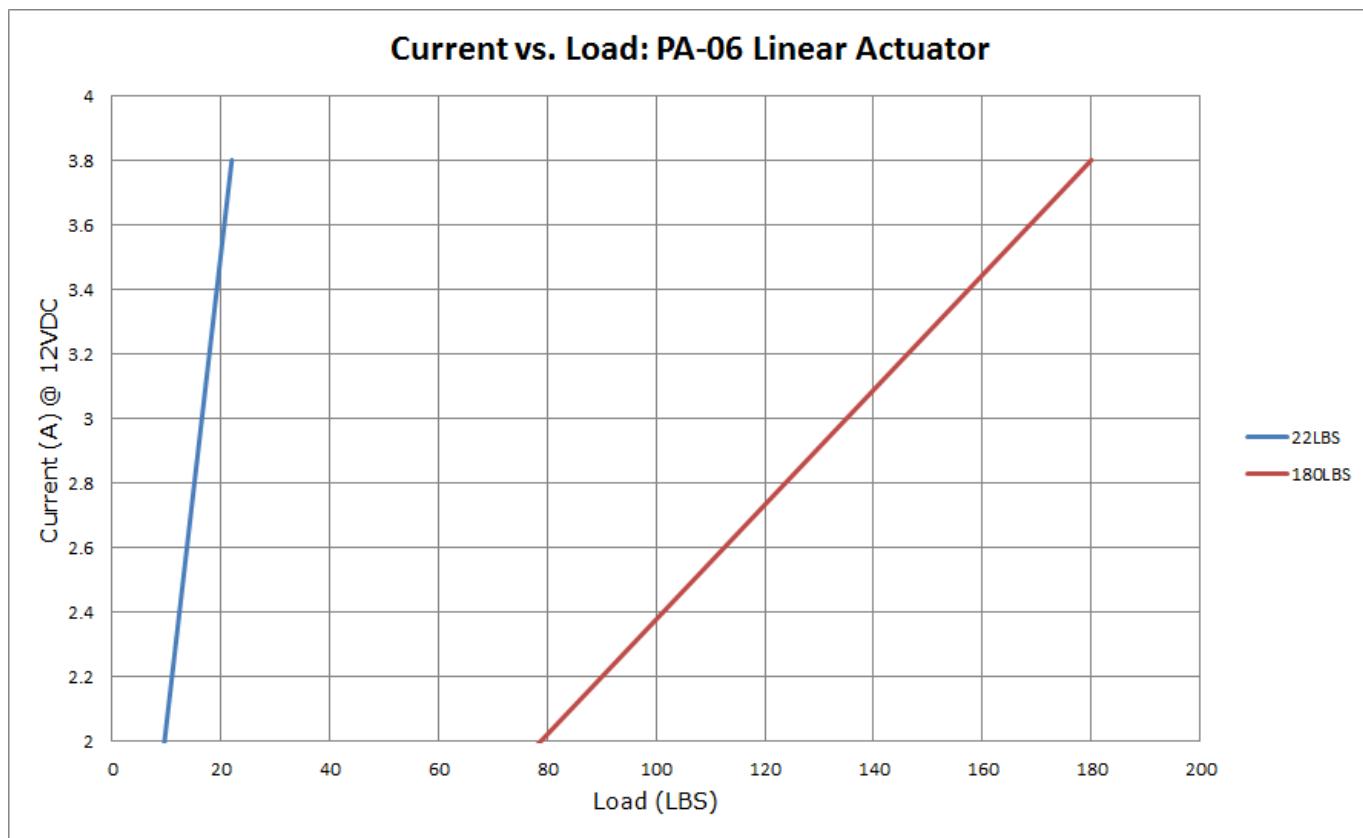
B = Stroke Length x 2 + 8.50"



## Speed vs Load



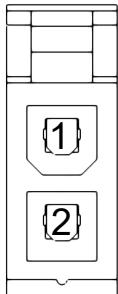
## Current vs Load





# Connectors & Feedback

## 2-Pin Connector (Standard)



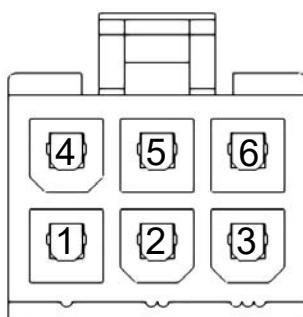
Motor	
1	2
M-	M+

Component	Part Name	Part Number	Mating Part Number
Housing	Molex Mini Fit Jr 2-Pin Receptacle	39-01-2025	39-01-3029/ 39-01-2026

## 6-Pin Hall Effect Connector

\*For Stroke Length 2-24"

### Front View



Motor		Hall Sensor			
4	5	2	3	1	6
M+ (Extend)	M- (Retract)	GND	+5VDC	Signal 2 Leads when Extending	Signal 1 Leads when Retracting

Component	Part Name	Part Number	Mating Part Number
Housing	Molex Mini Fit Jr 6-Pin Receptacle	39-01-2065	39-01-2069/ 39-01-2066

Output Signal Extending		Output Signal Retracting	
Hall Effect 1 Signal		Hall Effect 1 Signal	
Hall Effect 2 Signal		Hall Effect 2 Signal	

Force (lbs)		Resolution Pulses/inches	
22		1,953	
180		5,521	

## Over Current Protection

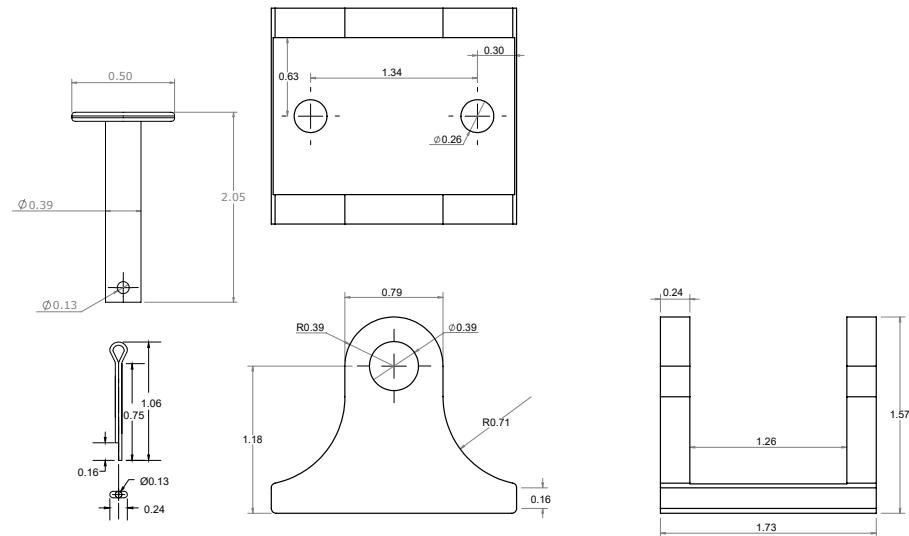
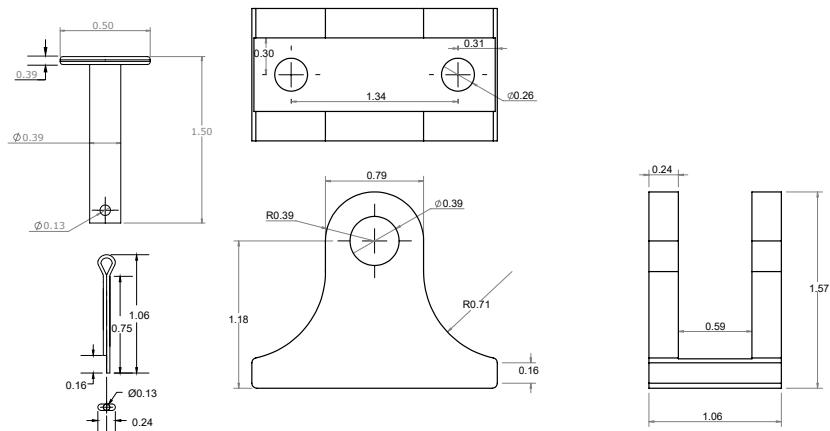
Cut Off Current	
12VDC	5.0A - 5.5A
24VDC	2.5A - 3.0A



# Mounting Brackets

(Dimensions in inches)

BRK-06



BRK-16

