PROGRESSIVE AUTOMATIONS

FORWARD THINKING

PA-06

Data Sheet



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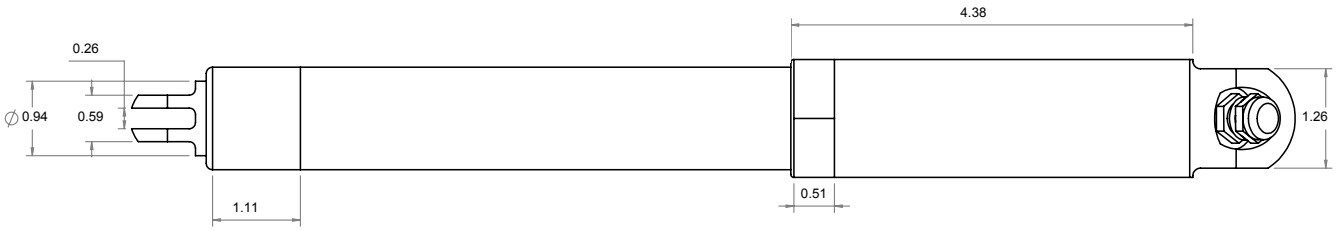
Specifications

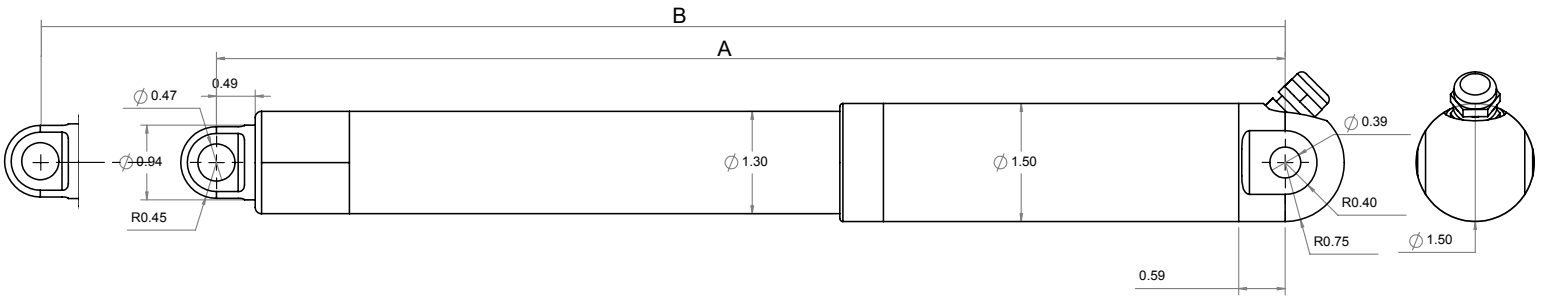
Load (LBS)		No Load Current (A)		Full Load Current (A)		Speed (inch/sec)	
Dynamic	Static	12VDC	24VDC	12VDC	24VDC	No Load	Full Load
22	33	0.6	0.3	2.5	1.3	1.38	1.18
180	360	0.6	0.3	3.7	1.8	0.47	0.27

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

Dimensions

(Dimensions in inches





Hole to Hole

	Stroke	2	4	6	8	10	12	14	16	18	20	22	24
PA-06	**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 Stroke Length 18"-24"

A = Stroke Length + 8.50"

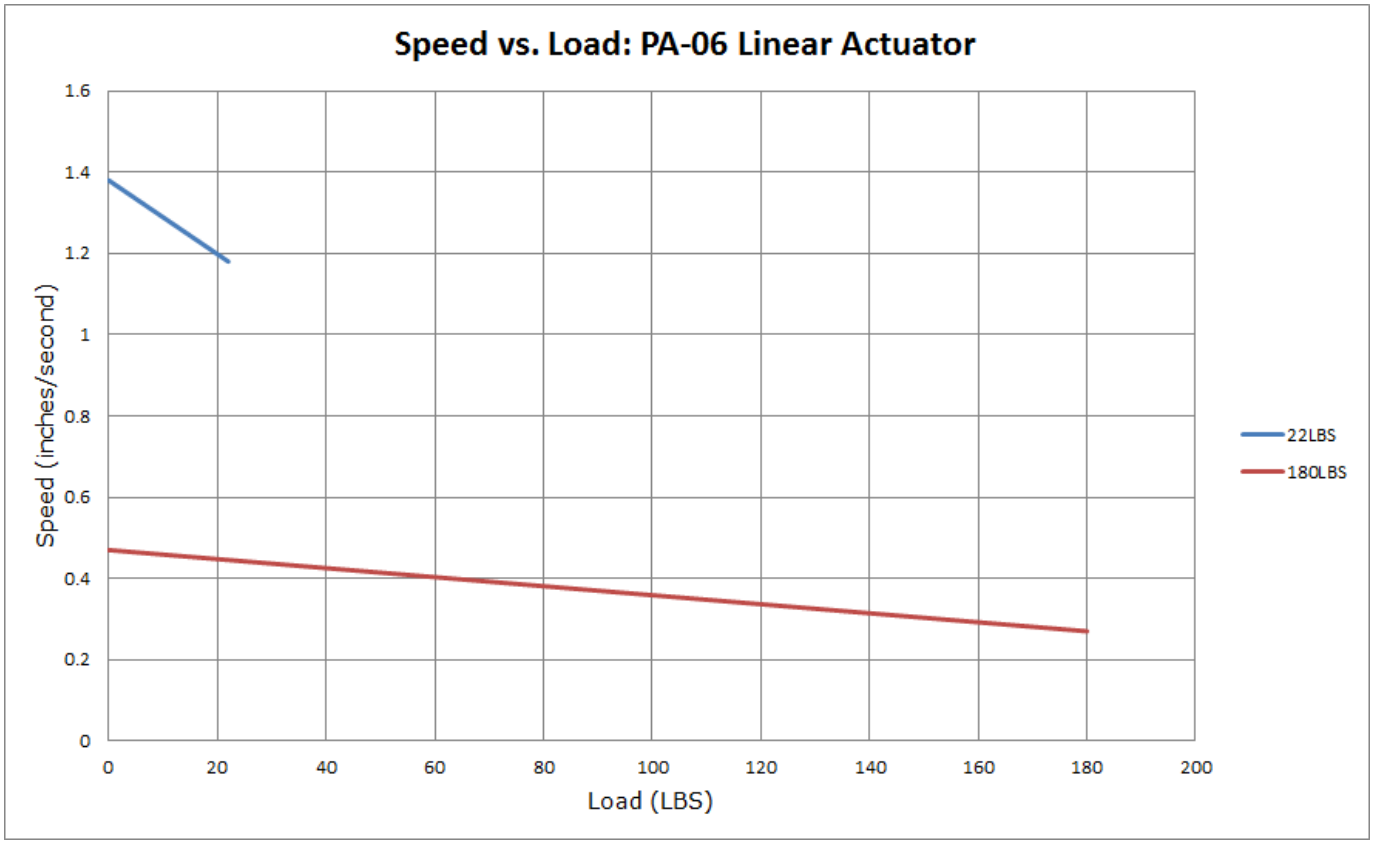
B = Stroke Length x 2 + 8.50"

For All Stroke Lengths with Hall Effect Sensor or Over Current Protection

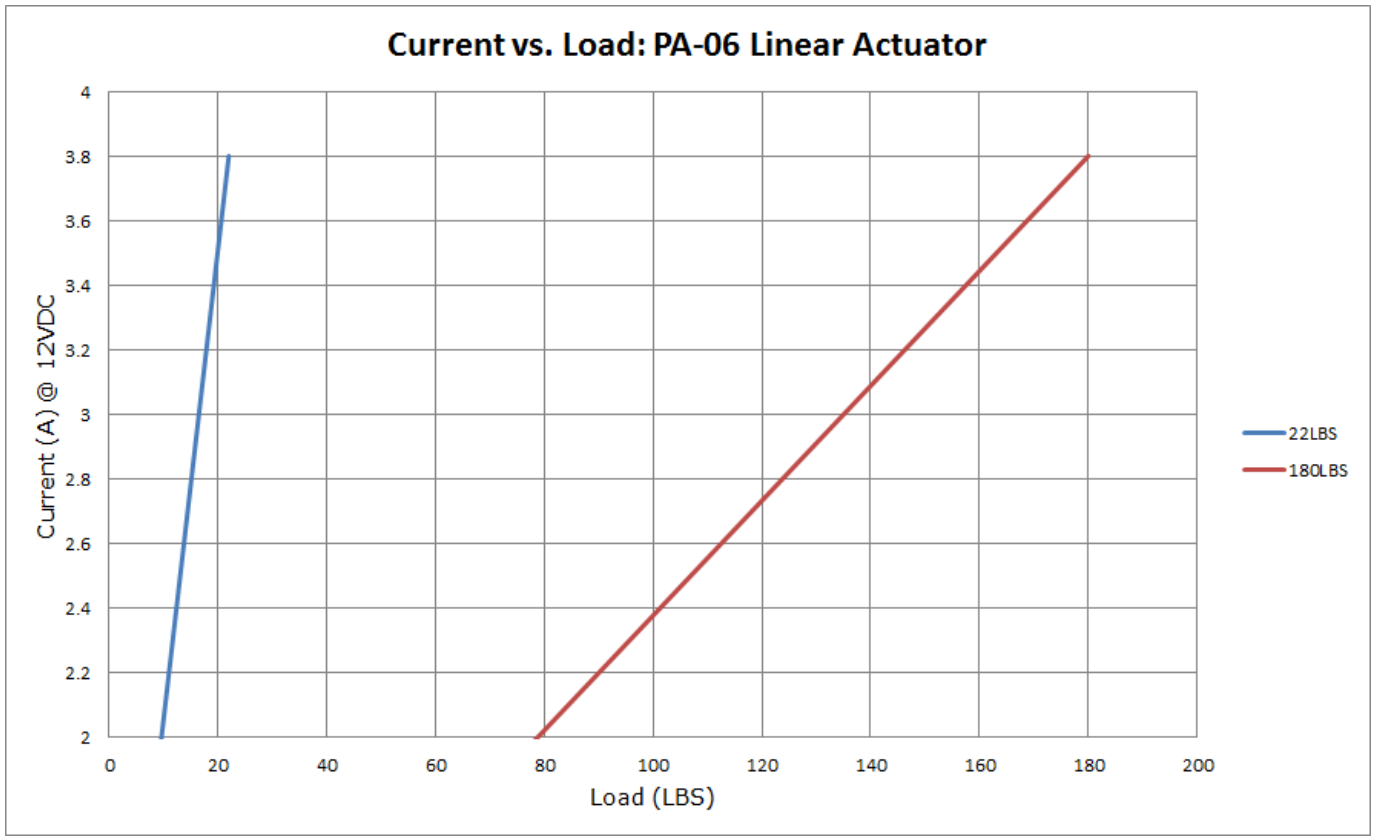
A = Stroke Length + 8.65"

B = Stroke Length x 2 + 8.65"

Speed vs Load

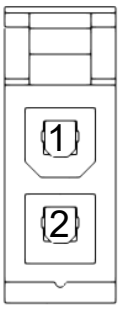


Current vs Load



Connectors & Feedback

2-Pin Connector (Standard)



Motor	
1	2
M-	M+

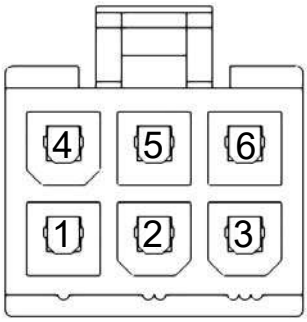
Component	Part Name	Part Number	Mating Part Number
Housing	Molex Mini Fit Jr 2-Pin Receptacle	39-01-2025	39-01-3029/ 39-01-2026

6-Pin Hall Effect Connector

*For Stroke Length 2-24"

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

Front View



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 2 Signal	Hall Effect 1 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

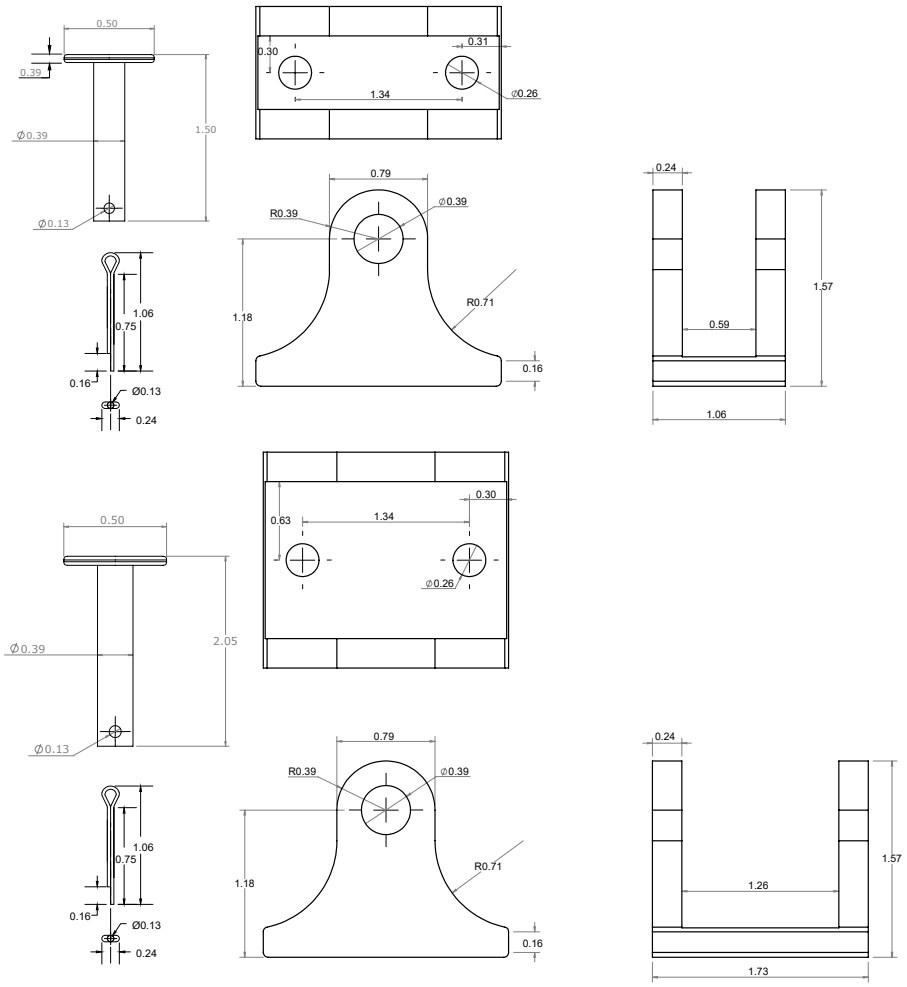
Mounting Brackets

(Dimensions in inches)

BRK-06







BRK-16



