

## PA-07

## Data Sheet



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# Specifications



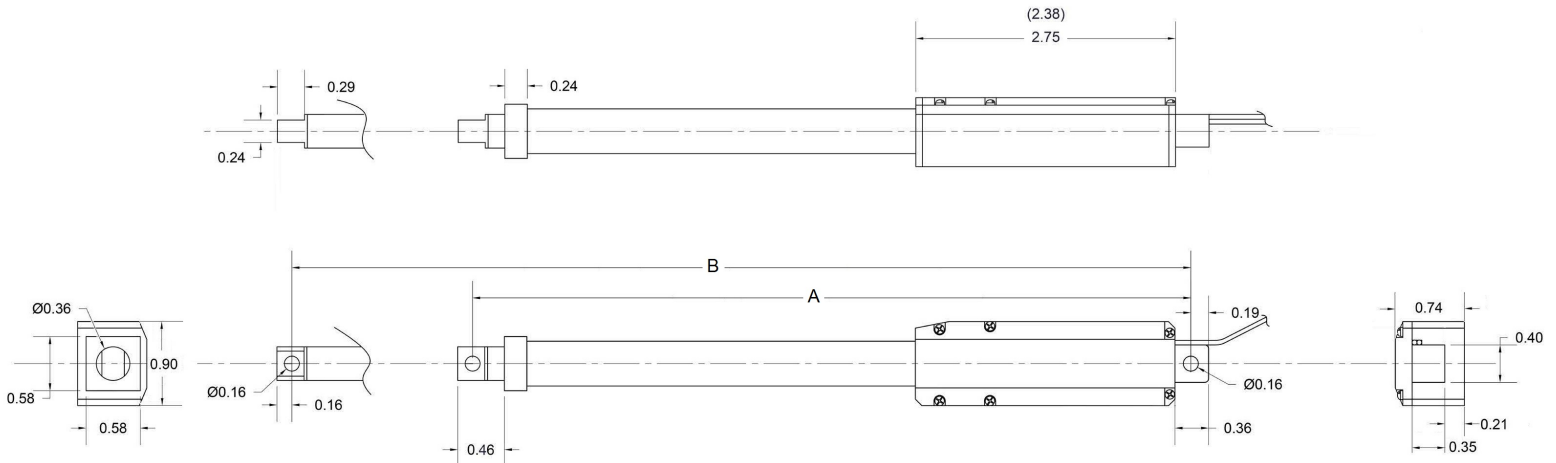
Load (LBS)		No Load Current (A)	Full Load Current (A)	Speed (inch/sec)	
Dynamic	Static	12VDC	12VDC	No Load	Full Load
5	6.5	0.1	0.2	0.59	0.55

Stroke	0.5" to 12"
Limit Switch	Internal - Non-Adjustable
Limit Switch Feedback	N/A
Screw Type	ACME Screw
Motor Type	Brushed DC Motor
Connector Type	See Page 5
Wire Length	8" (customizable)
Housing Material	Aluminum Alloy
Rod Material	Stainless Steel
Gear Material	Powdered Metallurgy Steel Alloy
Color (Shaft)	Silver
Color (Motor End)	Black
Noise	<45dB
Duty Cycle	20% for < 4" or 10% for 4"-12" (20 minute period)
Operational Temperature	0°C to 50°C (32°F to 122°F)
Protection Class	IP66
Feedback Options	N/A
Certifications	CE/RoHS
Mounting Brackets	See Page 7
Mounting Ends	Standard, Non-Customizable



# Dimensions

(Dimensions in inches)



## Hole to Hole

PA-07	Stroke	0.5	0.8	1	2	4	6	8	10	12
	A	3.68	3.98	4.18	5.81	7.81	9.81	11.81	13.81	15.81
	B	4.18	4.78	5.18	7.81	11.81	15.81	19.81	23.81	27.81

### For Stroke Length Less Than 2"

A = Stroke length + 3.18"

B = Stroke length x 2 + 3.18"

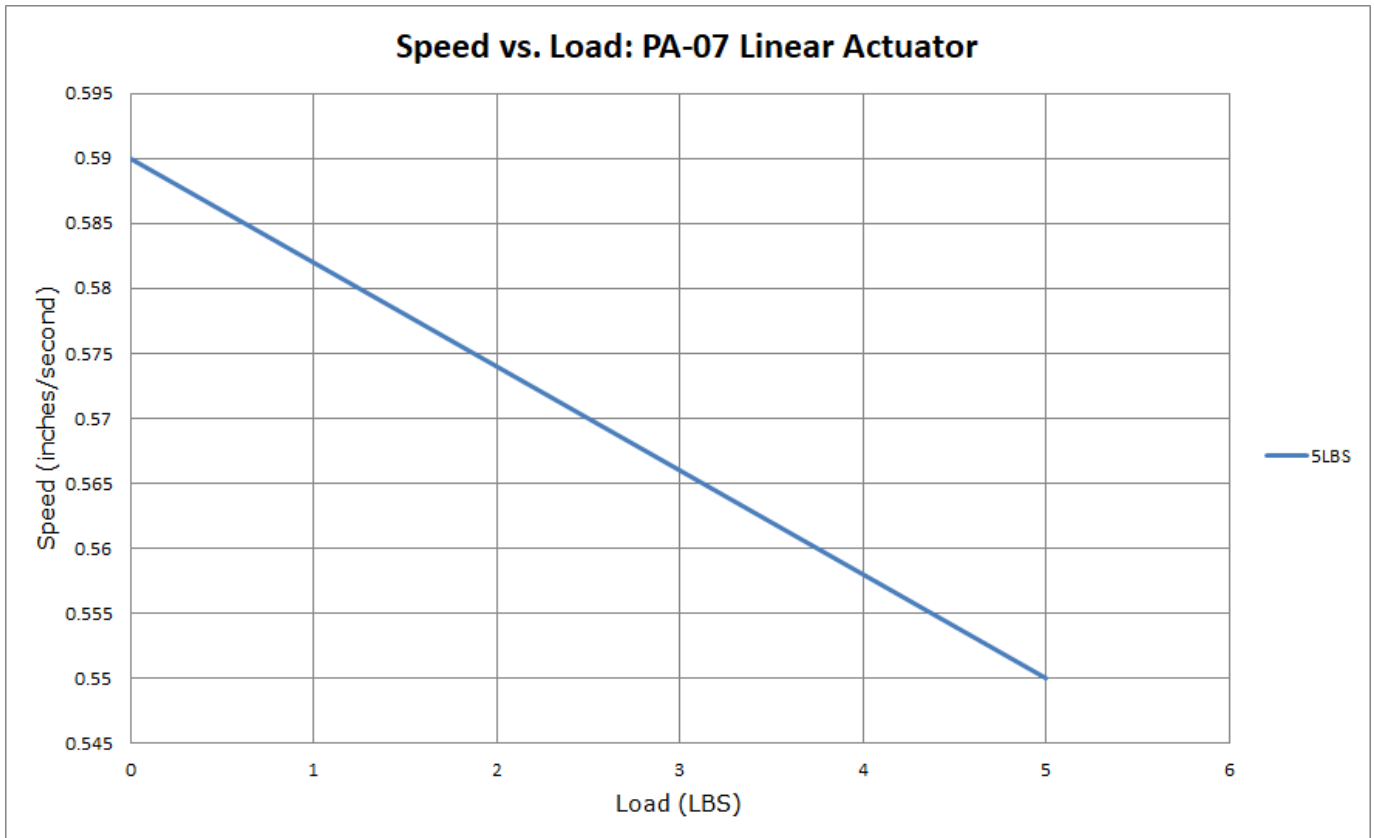
### For Stroke Length Greater Than or Equal to 2"

A = Stroke length + 3.81"

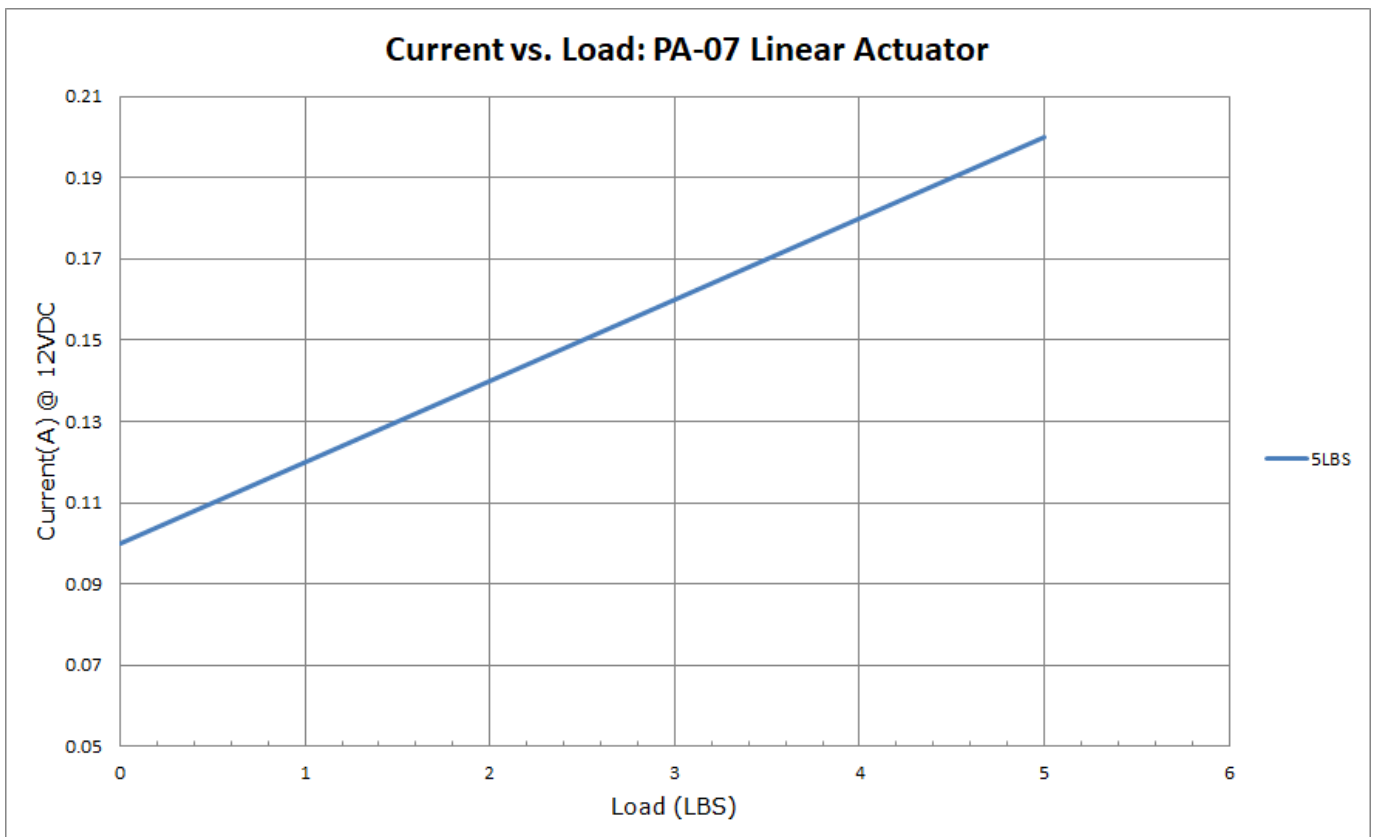
B = Stroke length x 2 + 3.81"



# Speed vs Load



# Current vs Load

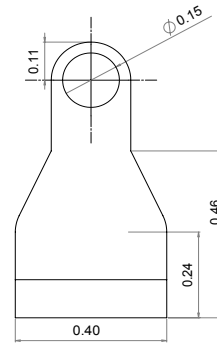
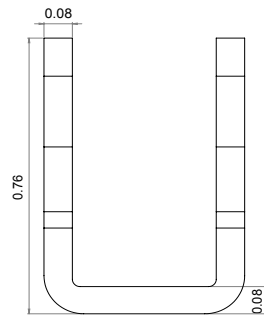
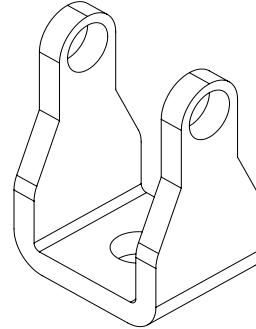
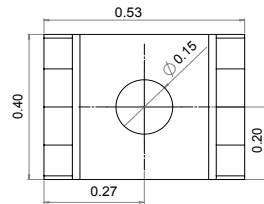




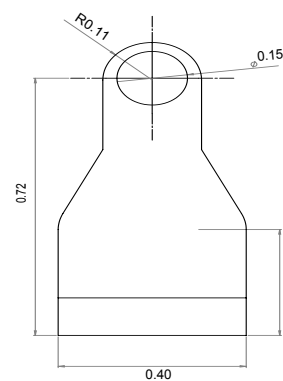
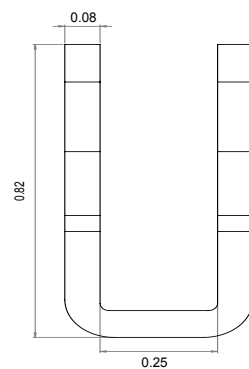
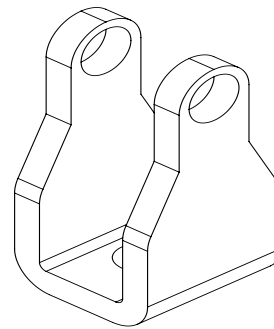
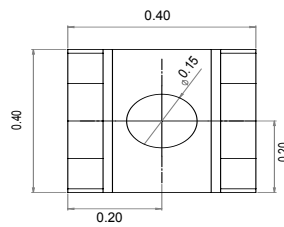
# Mounting Brackets

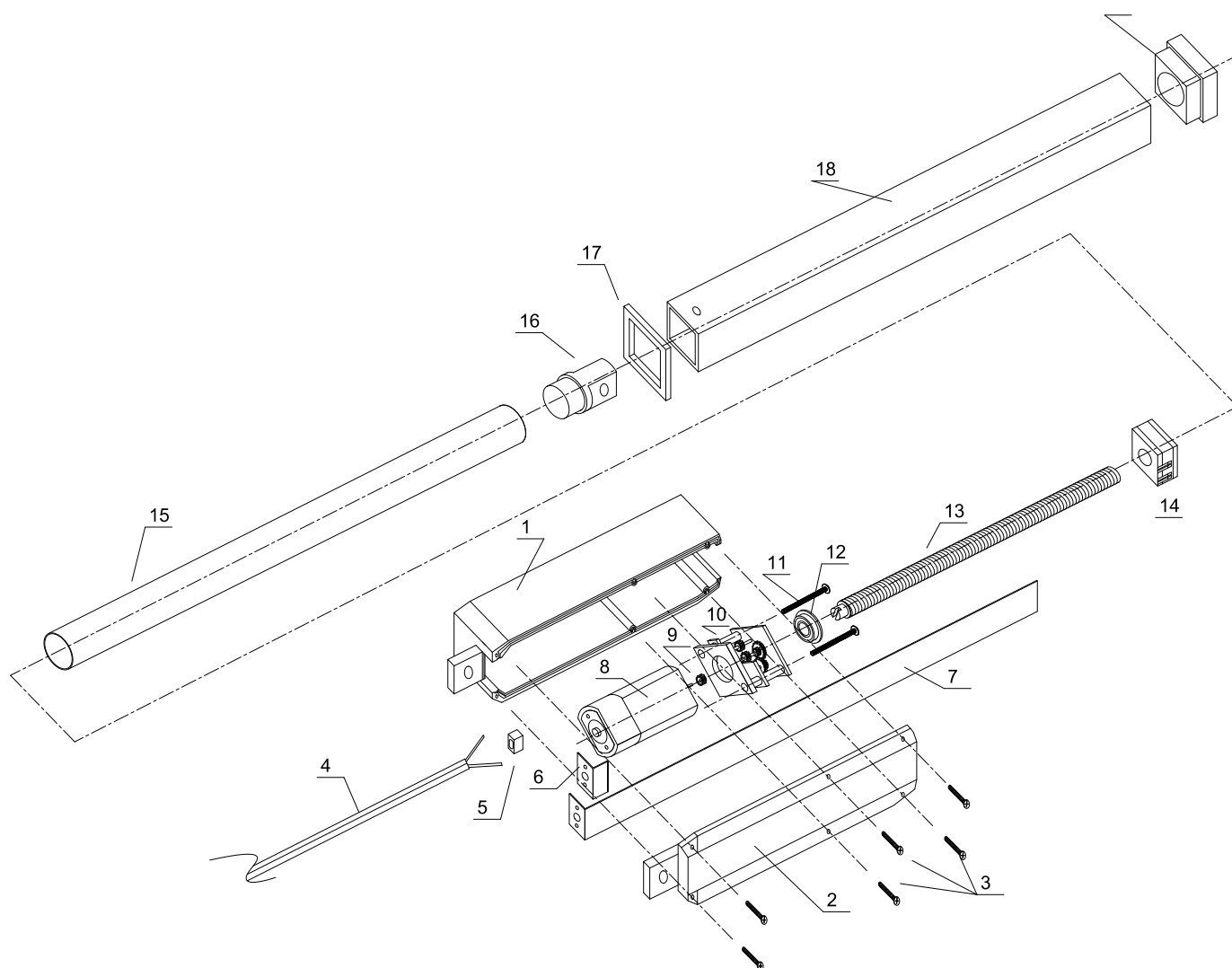
(Dimensions in inches)

## BRK-07 - Motor End



## BRK-07 - Stroke End





# Internal Descriptions



Item	Description	Qty
1	Actuator Bottom Case	1
2	Actuator Upper Case	1
3	Actuator Case Screw	6
4	Power Cable	1
5	Power Cable Grommet	1
6	Pudding	1
7	Limit Switch Bar with Diodes	1
8	Electric Motor	1
9	Drive Gear	1
10	Gear Box	1

Item	Description	Qty
11	Gear Box Screw	2
12	Shaft Bearing	1
13	Treaded Shaft Drive	1
14	Limit Contacts	1
15	Shaft	1
16	Shaft Cap with Mounting Hole	1
17	Shaft Case Gasket	1
18	Shaft Case	1
19	Shaft Case Top Cap	1