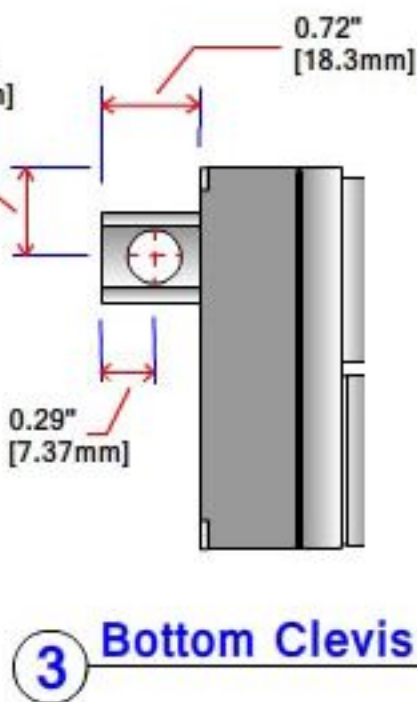
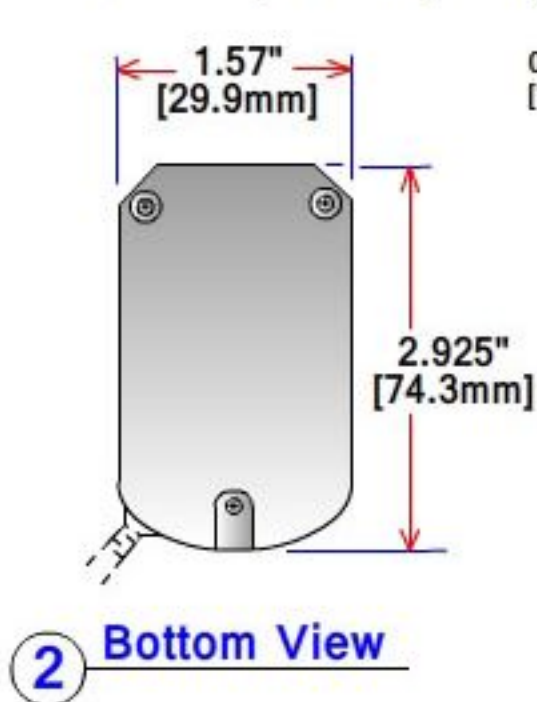
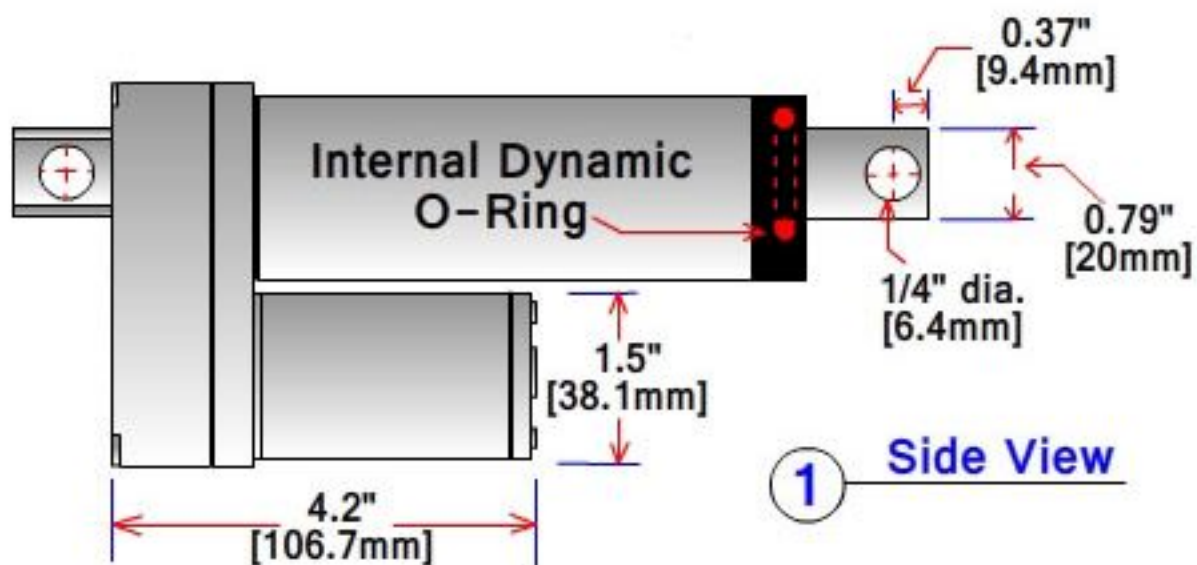






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- Low noise design
- Enhanced corrosion resistance
- Aluminum outer and inner tube
- Zinc alloy housing
- Powder metal gears
- Lubrication for longer life
- Small compact design
- Lowest price on the planet

### Specifications:

| Model                       | FA-35<br>High<br>Speed                 | FA-70<br>Standard<br>Speed | FA-150<br>Standard<br>Force | FA-240<br>High<br>Force |
|-----------------------------|----------------------------------------|----------------------------|-----------------------------|-------------------------|
| Input Voltage               | 12 VDC 5 amp current draw at full load |                            |                             |                         |
| Load Capacity               | 35 lbs                                 | 70 lbs                     | 150 lbs                     | 200 lbs                 |
| Static Load (minimum)       | 2 times max load                       |                            |                             |                         |
| Stroke Length               | 1" to 30"                              |                            |                             |                         |
| Speed at No Load            | 2"/sec                                 | 1"/sec                     | 0.5"/sec                    | 0.3"/sec                |
| Clevis Ends                 | ¼" diameter                            |                            |                             |                         |
| Screw                       | ACME screw                             |                            |                             |                         |
| Gear Ratio                  | 5:1                                    | 10:1                       | 20:1                        | 30:1                    |
| Duty Cycle                  | 20%                                    |                            |                             |                         |
| Operation Temperature Range | -26°C~65°C (-15°F~150°F)               |                            |                             |                         |
| Limit Switch                | Built-in (factory preset) non moveable |                            |                             |                         |
| IP Grade                    | IP54                                   |                            |                             |                         |
| Safety Certificate          | CE,ROHS                                |                            |                             |                         |

### Accessories for this product:

**MB1:** mounting bracket, **FA-SC1:** speed controller, **RB2:** rubber boot protector, **4CH-RC:** remote control, **HFV4:** SPDT relay 12vdc 20 amp, **MAN-RS:** sustaining rocker switch, **MAN-RS2:** momentary rocker switch, **PA-12V-10A:** Power adaptor, **EL-KIT:** wiring kit

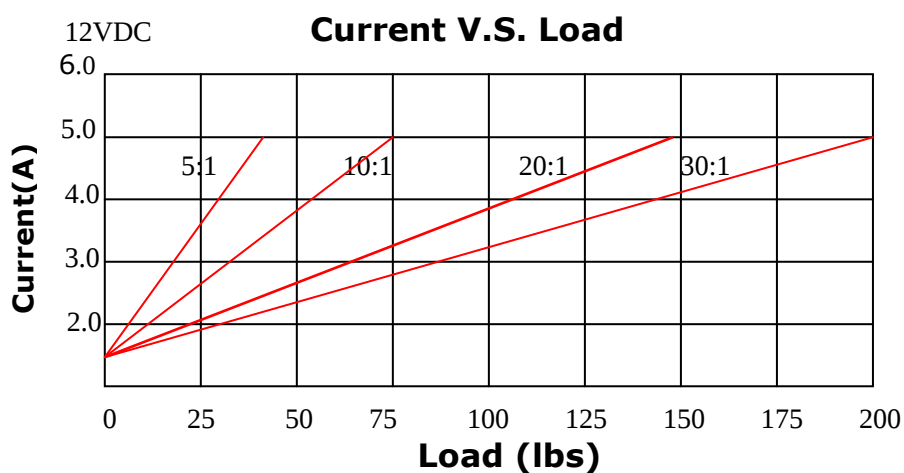
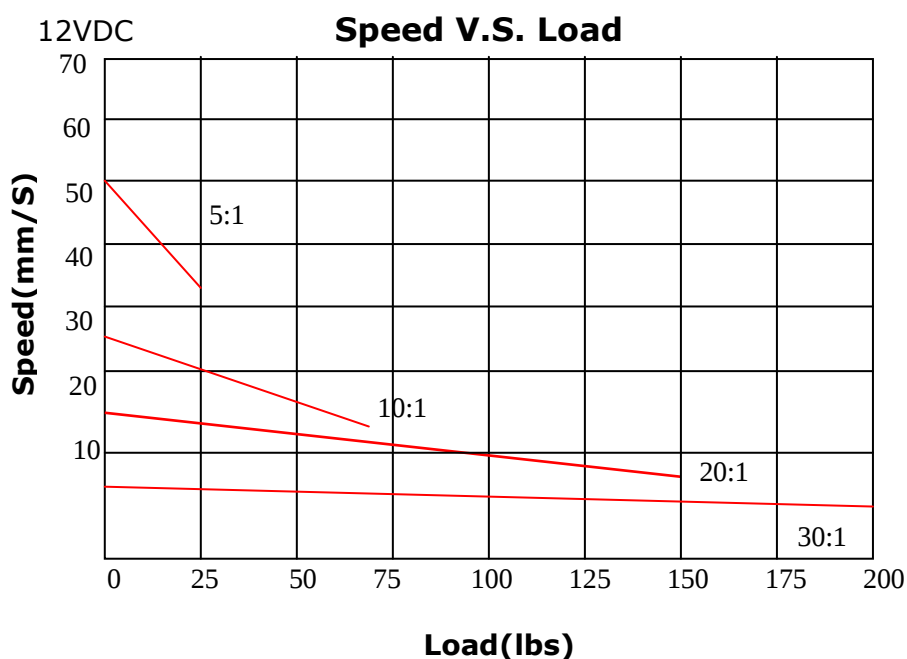
## PRODUCT INFORMATION

## Standard Actuators

Weight chart:

| Stroke length | 1      | 2      | 3      | 4      | 6      | 9      | 12     | 18     | 24     |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Weight        | 810 g  | 850 g  | 890 g  | 930 g  | 970 g  | 1160 g | 1290 g | 1480 g | 1835 g |
|               | 1.8 lb | 1.9 lb | 2.0 lb | 2.1 lb | 2.2 lb | 2.6 lb | 2.8 lb | 3.3 lb | 4.0 lb |

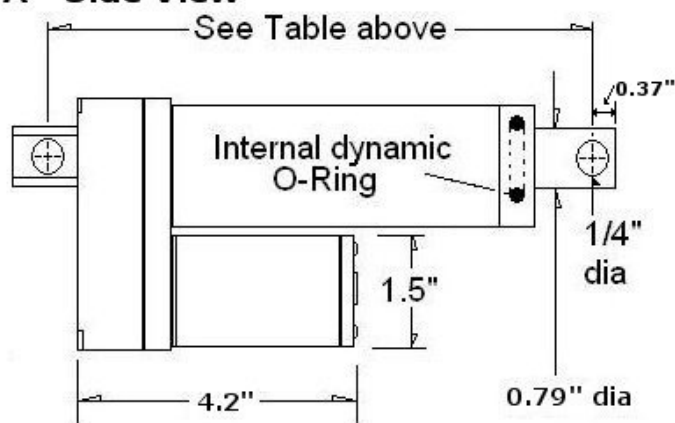
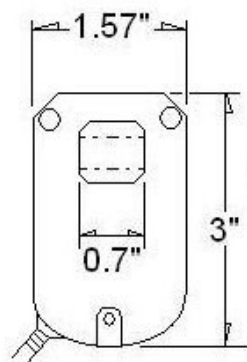
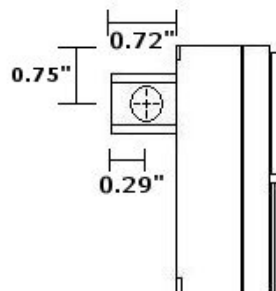
Load/speed charts:



**Dimensions:****Hole To Hole Dimensions**

| Stroke Size<br>(Inches) | Collapsed Length<br>(Inches) | Extended Length<br>(Inches) |
|-------------------------|------------------------------|-----------------------------|
| 1                       | 5.5                          | 6.5                         |
| 2                       | 6.5                          | 8.5                         |
| 3                       | 7.5                          | 10.5                        |
| 4                       | 8.5                          | 12.5                        |
| 6                       | 10.5                         | 16.5                        |
| 8                       | 12.5                         | 20.5                        |
| 9                       | 13.5                         | 22.5                        |
| 10                      | 14.5                         | 24.5                        |
| 12                      | 16.5                         | 28.5                        |
| 18                      | 22.5                         | 40.5                        |
| 24                      | 28.5                         | 52.5                        |

\* These lengths may vary due to motor drift at the limits.  
This is affected by a number of factors including load and  
the current speed of the motor and gears at the limits.

**A - Side View****B - Bottom View****C - Bottom Post**

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