

Bullet Series Mini Linear Actuator



Standard Features and Benefits

- **Standard stroke lengths** of 1, 2, 3, 4, 5, 6, 7, and 8 inches are available
- Built in **over current circuit protection** protects actuator when it travels to the end of its stroke or is overloaded
- **20 lbs. of force** at an extension speed of 0.43 inches per second or **110 lbs. of force** at 0.14 inches per second
- **IP 66 rated** - dust proof and waterproof
- **Temperature operating range** of 41°F to 104°F (5°C to 40°C)
- Manufactured of **T6061 aluminum for reduced weight**
- Japanese motor for **quiet, trouble free operation and long life**
- Available in **12 V or 24 volt DC**
- **Maintenance free**
- **CE and RoHS** certified

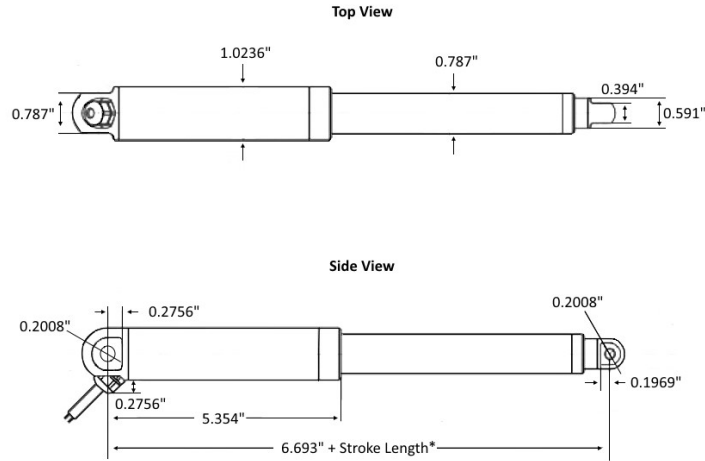
The Bullet Series Mini Actuator is powerful, lightweight, and compact. It is available in strokes from 1-8 inches and comes in two force variations: 20 lbs and 110 lbs. Manufactured from T6061 aluminum, the Bullet is our lightest weight actuator. High quality Japanese motors ensure a long life-span and low operating noise. It is equipped with over current circuit protection to protect the actuator from damage if it travels to the end of its stroke or is overloaded. Available in 12V or 24V with an IP rating of 66, the Bullet provides outstanding performance.

Specifications

Model	FA-B-20-12V	FA-B-20-24V	FA-B-110-12V	FA-B-110-24V
Dynamic Force	20 lb	20 lb	110 lb	110 lb
Max Static Force	60 lb	60 lb	330 lb	330 lb
Speed (inches/second)	0.433 inches	.433 inches	.138 inches	.138 inches
Input	12 volt	24 volt	12 volt	24 volt
Circuit Breaking Current	1A	0.5A	1A	0.5A
Over Current Circuit Protection	Built in			
Circuit Breaking Response Time	0.1 to 0.5 seconds			
Duty Cycle	10% Max 2 min. continuous use followed by 18 min. rest			
Stroke Length	1, 2, 3, 4, 5, 6, 7, and 8 inches			
IP Rating	66			
Diameter	1.024"			
Operational Temperature	41°F to 104°F (5°C to 40°C)			
Limit Switch	Built-in (factory preset)			
Safety Certifications	CCE, RoHS			
Brackets	MB14			

Dimensions and Weight

Stroke	Retracted Length	Extended Length	Weight
1 "	7.693 "	8.693 "	0.715 lbs
2 "	8.693 "	10.693 "	0.770 lbs
3 "	9.693 "	12.693 "	0.825 lbs
4 "	10.693 "	14.693 "	0.880 lbs
5 "	11.693 "	16.693 "	0.935 lbs
6 "	12.693 "	18.693 "	0.990 lbs
7 "	13.693 "	20.693 "	1.045 lbs
8 "	14.693 "	22.693 "	1.100 lbs

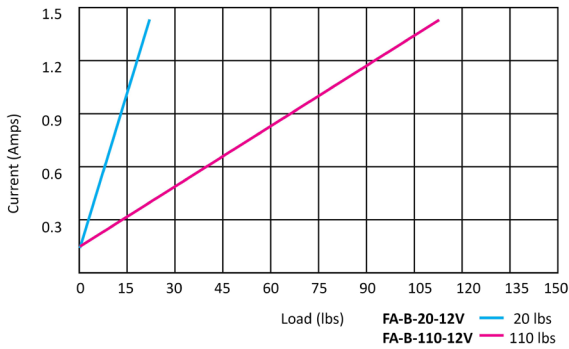


FA-B-20-12V
FA-B-20-24V
FA-B-110-12V
FA-B-110-24V

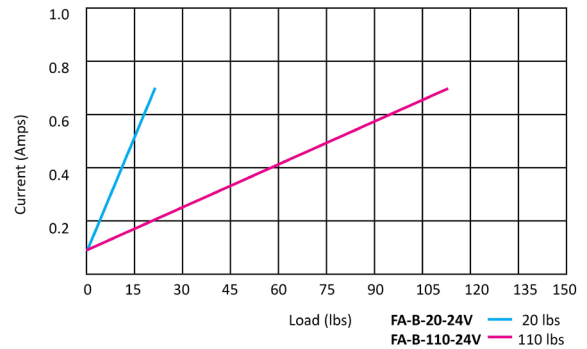
Performance Graphs

*Stroke length tolerance is ± 0.0787 "

12V DC Current vs Load



24V DC Current vs Load



12V/24V DC Speed vs Load

