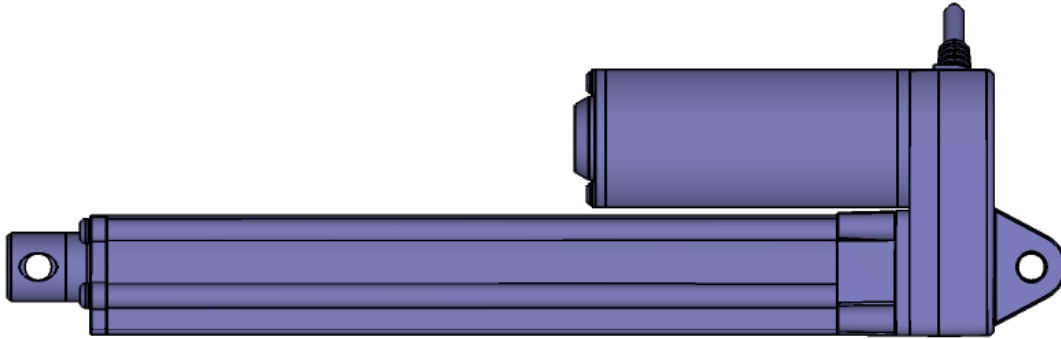


# Product Data Sheet

## C-Series Linear Actuator

**SHIFT** AUTOMATION



### Key Features

- Stainless steel shaft
- Compact and powerful
- Metal gears
- Engineered for smooth, stable movement through the entire stroke length
- Multiple support structures to provide robust performance
- IP65, completely dust and weatherproof plus protection against direct water spray

### Technical Data

	SA-25-C	SA-120-C	SA-175-C
Voltage	12VDC Standard (24VDC, 36VDC, 48VDC optional)		
Current Draw	At 12VDC, 1.5A at no load, 4A at full load		
Speed at no load	2.2"/s (55mm/s)	0.7"/s (18mm/s)	0.4"/s (10mm/s)
Dynamic Force	25lb (11kg)	120lb (54kg)	175lb (79kg)
Holding Force	30lb (14kg)	170lb (77kg)	260lb (118kg)
Duty Cycle	25% (2 min ON, 6 min OFF)		
IP Rating	IP65, complete dust and water spray protection		
RoHS	Yes, RoHS certificate		

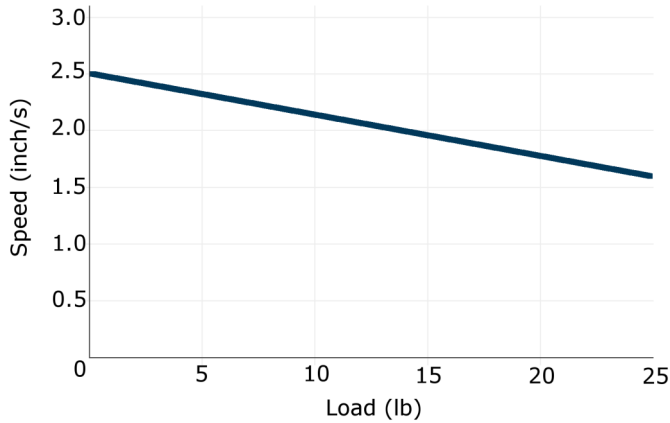
# Product Data Sheet

## C-Series Linear Actuator

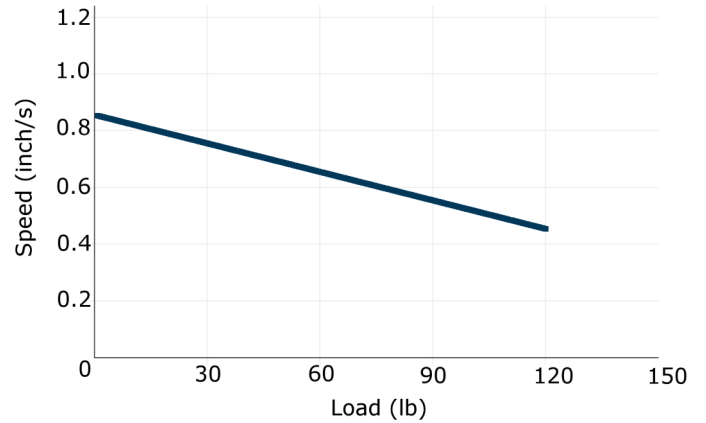


### Performance Characteristics

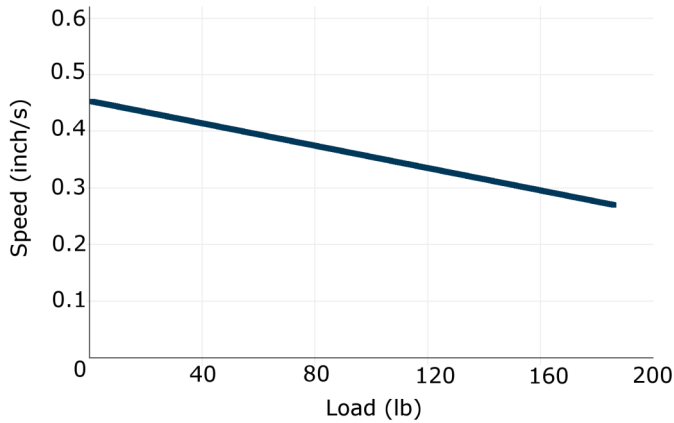
Speed vs. Load for SA-25-C



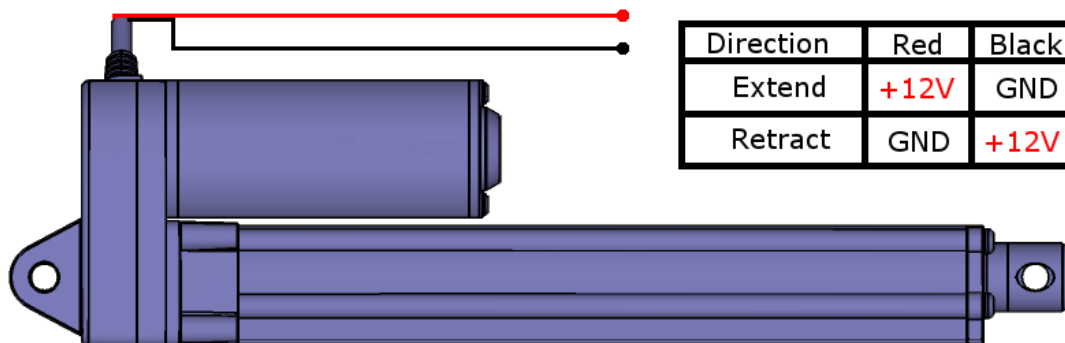
Speed vs. Load for SA-120-C



Speed vs. Load for SA-175-C



### Electrical Installation



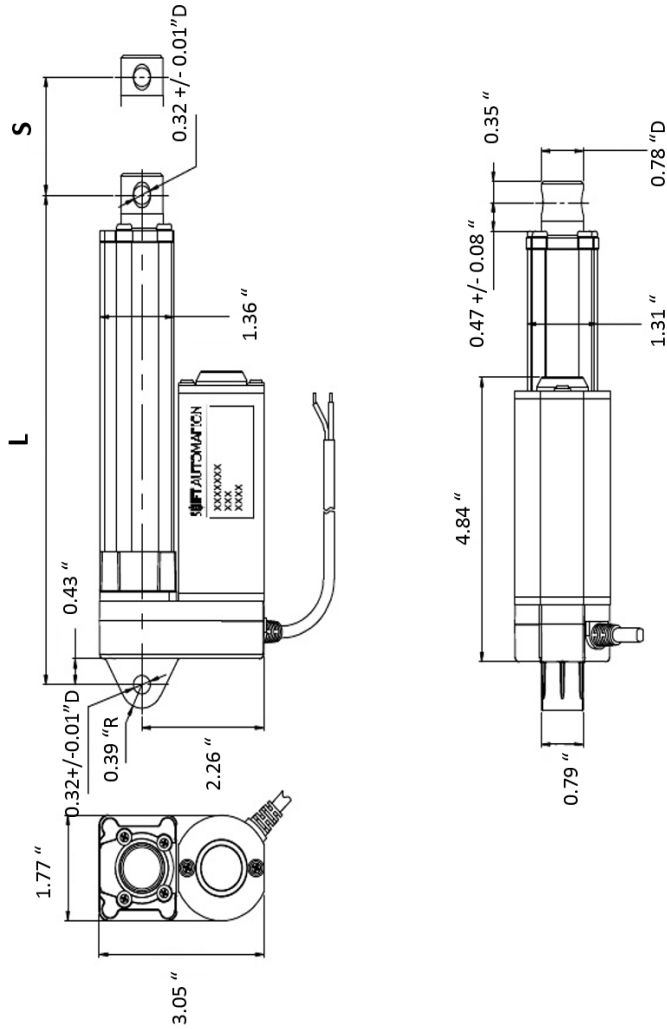
# Product Data Sheet

## C-Series Linear Actuator



Product Parameter	
Input Voltage	12VDC
Front Hole Dia.	0.32 +/- 0.01"
Rear Hole Dia.	0.32 +/- 0.01"
Power Cable	Twin Core 18AWG
Protection Grade	IP65
Limit Switches	Built-in

Hole to Hole dimensions			
Actuators	L	S	L+S
SA-xxx-C-12-2	6.3"	2.0"	8.3"
SA-xxx-C-12-4	8.3"	4.0"	12.3"
SA-xxx-C-12-6	10.4"	6.0"	16.4"
SA-xxx-C-12-9	13.4"	9.0"	22.4"
SA-xxx-C-12-12	17.1"	12.0"	29.1"
SA-xxx-C-12-18	24.8"	18.0"	42.8"
SA-xxx-C-12-24	31.5"	24.0"	55.5"



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