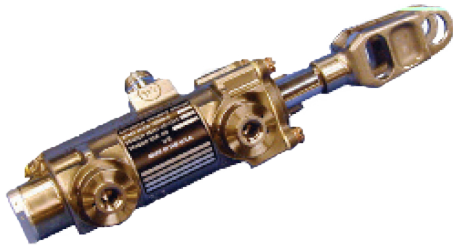


Arkwin has been designing and manufacturing linear engine actuators for over 60 years. Arkwin's actuators are used on numerous civil, military, and industrial applications.

Engine manufacturers rely on Arkwin's expertise in designing the right actuator to meet their strict design and performance requirements. Arkwin actuators can be found in some of the most successful engine application installations in aerospace and we continue to refine and develop new technologies to meet the needs of engine manufacturers worldwide.



## Operational Characteristics:

- Provides actuation force to direct engine control components
- High side load tolerance
- Highly resistant wear plating
- High reliability/low maintenance
- Fire resistant

## Platforms

CFM56-2/-3	CF34-8C/E	F404
CFM56-5/-7	LM2500	F110
CF6	LM6000	F414
CF34-3		TF34



## Design Characteristics:

- Fuel and petroleum based operating fluids
- Operating pressures up to 4,000 psig
- Linear position sensing transducers
  - Single and dual channel
- Multiple mounting options
- Servo valve applications
- Master/Slave configurations

## Who Is Arkwin?

Arkwin Industries is the technical expert in all things hydraulic for aerospace and defense. We design, test, manufacture, and support precision hydraulic and fuel system components for civil and military fixed-wing aircraft, helicopters, spacecraft, turbine engines, and other special applications.

Our reputation for quality and reliability, as well as our location, allow us to attract some of the best engineering, technical, and manufacturing talent available.

# Sample Actuators

Part Number	Bore Diameter	Rod Diameter	Stroke	Operating Pressure (PSI)	Position Transducer	Retracted Length
1211313	1.742"	0.809"	3.542"	1630	LVDT	2.948"
1211175	1.743"	0.625"	2.757"	1500	None	3.369"
1211073	1.930"	0.627"	3.445"	1300	None	8.045"
1211092	1.930"	0.627"	1.745"	1335	None	5.20"
1211245	1.930"	0.628"	3.445"	1300	None	8.245"
1211342	1.933"	0.747"	3.095"	1370	LVDT	9.545"
1211425	1.933"	0.748"	3.095"	1500	LVDT	9.545"
1211218	1.944"	0.625"	3.156"	1325	None	9.90"
1211318	2.181"	0.809"	1.98"	1370	LVDT	2.14"
1212468	2.341"	1.187"	2.36"	2250	None	8.47"
1211509	2.369"	1.184"	2.36"	1075	None	7.28"
1211508	2.405"	1.184"	2.36"	1075	Dual Element LVDT	10.48"
1211420	2.681"	0.871"	3.095"	1400	LVDT	11.495"
1211419	2.869"	0.871"	1.975"	1400	LVDT	2.14"
1212466	3.271"	1.187"	3.50"	2250	Dual Element LVDT	13.14"

Other configurations available

## Key Features

- Proven designs capable of highspeed dithering with side loading applied
- Provides electrical feedback of piston position to engine computer
- High durability with minimal material wear
- Low external leakage
- Dual vented rod seals



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