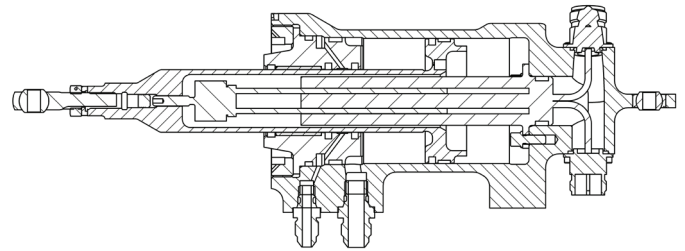


Arkwin has been designing and manufacturing linear engine actuators for over 60 years. Arkwin's actuators are used on numerous civil, military and industrial applications.

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.

Platforms

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



Operational Characteristics

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

Design Characteristics

- Operating pressures up to 2,250 psig
- Linear position sensing transducers
- 3"+ diameter bores and 3.5"+ strokes
- Multiple mounting options
- Servo valve applications
- Master/Slave configurations



Selected Actuators

Part Number	Bore Diameter	Rod Diameter	Stroke	Operating Pressure (PSI)	Position Transducer	Retracted Length	Application
1211313	1.742"	0.809"	3.542"	1630	LVDT	2.948"	VSV
1211175	1.743"	0.625"	2.757"	1500	None	3.369"	VSV
1211073	1.930"	0.627"	3.445"	1300	None	8.045"	"VSG CF6-50"
1211092	1.930"	0.627"	1.745"	1335	None	5.20"	Variable Bypass CF6-50 CF6-6
1211245	1.930"	0.628"	3.445"	1300	None	8.245"	VSV CF6-50 CF6-80C2 LM25000
1211342	1.993"	0.747"	3.095"	1370	LVDT	9.545"	VSV CF6-80C2
1211425	1.993"	0.748"	3.095"	1500	LVDT	9.545"	VSV LM6000
1211218	1.994"	0.625"	3.156"	1325	None	9.90"	VSV
1211318	2.181"	0.809"	1.98"	1370	LVDT	2.14"	VBV
1212468	2.341"	1.187"	2.36"	2250	None	8.47"	CVG Slave
1211509	2.369"	1.184"	2.36"	1075	None	7.28"	Slave CVG
1211508	2.405"	1.184"	2.36"	1075	Dual Element LVDT	10.48"	Master CVG
1211420	2.681"	0.871"	3.095"	1400	LVDT	11.495"	VSV CF6-80E1
1211419	2.869"	0.871"	1.975"	1400	LVDT	2.14"	Variable Bypass CF6-80E1
1212466	3.271"	1.187"	3.50"	2250	Dual Element LVDT	13.14"	CVG Master

Key Features

- Proven designs capable of >250,000 cycles with high external loads applied
- Provides electrical feedback of vane position to engine computer
- High durability with minimal material wear
- Low external leakage
- Dual vented rod seals



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