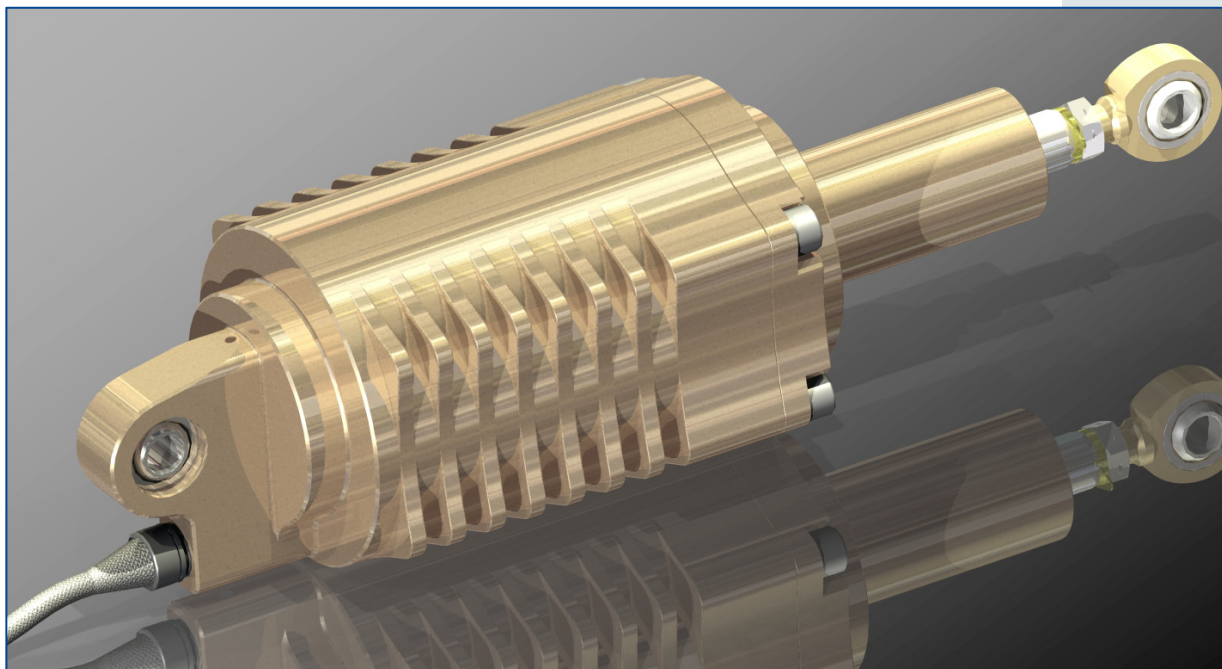




Medium Size EMA

117PE101 Specification

Motor Type		3 Phase Brushless	
Winding Type		Dual Channel , Redundant Wound, Fault Tolerant design	
Commutation Sensor		VR Resolver / Dual VR Resolver	
Stroke		100mm	3.94 in
Nominal Linear Speed		133mm / sec	5.25 in / sec
Nominal Force		12.73 kN	2863 lb
Force (at reduced rate)		40 kN	8990 lb
Accuracy		± 0.25% of full stroke	
Actuator working temperature	Continuous	-55°C to 125°C	- 67 to +257°F
	10% of life	250°C	482°F
Degree of Protection		IP67	
Operating Voltage		270 Vdc	
Weight		6.4kg	14.08 lb
Diameter		123.5mm	4.86 in
Length Retracted		383.5mm	15.09 in
Length Extended		483.5mm	19.03 in
Life		50,000 hours on aircraft	



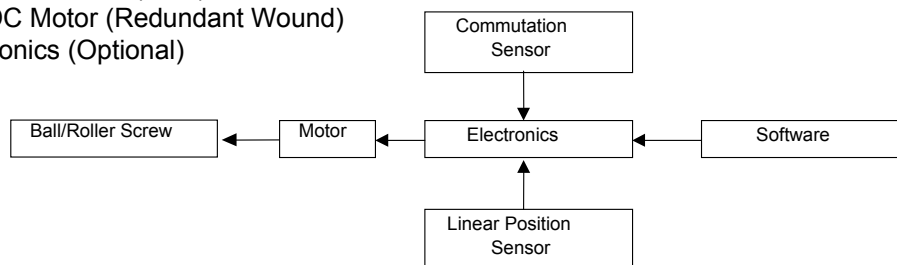


Medium Size EMA

Major Components

The major components of a direct drive linear actuator comprise:

- Ballscrew/Rollerscrew
- Commutation Sensor (Dual)
- Linear Position Sensor (Dual)
- Brushless DC Motor (Redundant Wound)
- Local Electronics (Optional)



Levels of redundancy

For Actuator Sensor, shall have the following levels of redundancy

