

# Micro-Precision Linear Actuators

## Part Number Configuration Guide

### CPA & IPA

CPA - B - 196 - AB - 14 - 0609 - D - E 200 - A - S

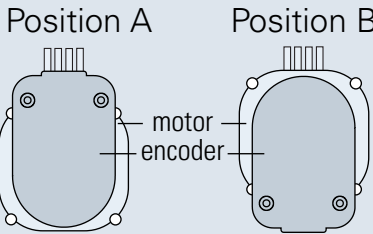
<b>Series</b> CPA = Coupled Precision Linear Actuator IPA = Integrated Precision Linear Actuator	
<b>Linear Guide Supports</b> A = No external rail B = One right-mounted rail one L-shaped runner block C = One left-mounted rail one L-shaped runner block D = Two rails one U-shaped runner block	
<b>Lead Code</b> (see table below)	
<b>Nut Type</b> S = Standard Nut AB = Anti-Backlash Nut	
<b>Motor Frame Size</b> 14 = NEMA 14 (CPA only) 17 = NEMA 17 23 = NEMA 23	
<b>Actuator Length</b> in mm	
<b>Motor Length</b> S = Single Stack D = Double Stack T = Triple Stack	
<b>Encoder</b> E200 = 200 CPR E500 = 500 CPR E1000 = 1000 CPR E2000 = 2000 CPR	
<b>Encoder Position</b> (see diagram)	
<b>Modification</b> S = Standard M = Modified	

### Lead Codes

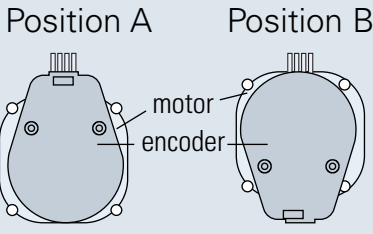
Screw Code	Lead
<b>039</b>	= 1 mm
<b>078</b>	= 2 mm
<b>196</b>	= 5 mm
<b>383</b>	= 10 mm
<b>472</b>	= 12 mm
<b>999</b>	= 25.4 mm
<b>M38</b>	= 38 mm

### Encoder Positions

NEMA 14, 17



NEMA 23



### SPA

SPA - B - 196 - AB - 00 - 0609 - S

<b>Series</b> SPA = Simple Precision Linear Actuator	
<b>Linear Guide Supports</b> A = No external rail B = One right-mounted rail one L-shaped runner block C = One left-mounted rail one L-shaped runner block D = Two rails one U-shaped runner block	
<b>Lead Code</b> (see table below)	
<b>Nut Type</b> S = Standard Nut AB = Anti-Backlash Nut	
<b>End Configuration</b> 00 = Drive Shaft HK = Hand Knob	
<b>Actuator Length</b> in mm	
<b>Modification</b> S = Standard M = Modified	