

Micro-Precision Linear Actuators

Part Number Configuration Guide

CPA & IPA

Series

CPA = Coupled Precision Linear Actuator
IPA = Integrated Precision Linear Actuator

Linear Guide Supports

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

Lead Code (see table below)

Nut Type

S = Standard Nut
AB = Anti-Backlash Nut

Motor Frame Size

14 = NEMA 14 (CPA only)
17 = NEMA 17
23 = NEMA 23

Actuator Length in mm

Motor Length

S = Single Stack
D = Double Stack
T = Triple Stack

Encoder

E200 = 200 CPR
E500 = 500 CPR
E1000 = 1000 CPR
E2000 = 2000 CPR

Encoder Position (see diagram)

Modification

S = Standard
M = Modified

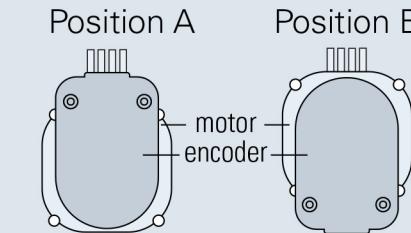
CPA - B - 196 - AB - 14 - 0609 - D - E 200 - A - S

Lead Codes

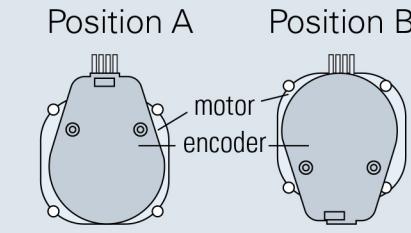
Screw Code	Lead
039	1 mm
078	2 mm
196	5 mm
383	10 mm
472	12 mm
999	25.4 mm
M38	38 mm

Encoder Positions

NEMA 14, 17



NEMA 23



SPA

Series

SPA = Simple Precision Linear Actuator

Linear Guide Supports

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

Lead Code (see table below)

Nut Type

S = Standard Nut
AB = Anti-Backlash Nut

End Configuration

00 = Drive Shaft
HK = Hand Knob

Actuator Length in mm

Modification

S = Standard
M = Modified

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