

External Stepper Motor Linear Actuators

Part Number Configuration Guide



SMA - 8 S 2.1 - E - 012125 - NFA - 8.00 - T - M1 - E200 - A

NEMA Stepper Motor Size

8 11 14 17 23 34

Motor Length

- S = single stack
- D = double stack

Voltage (see table below)

External Stepper Motor Actuator

Lead Screw

see Lead Screw Table on page 57

Nut Style (see table)

Lead Screw Length

in inches

Screw Coating

- T = H10X™ PTFE coating
- 00 = no coating

Bearing Support

- M1 = universal mount single bearing
- F1 = flanged mount single bearing
- 00 = no bearing support

Encoder

- ER = encoder ready
- E200 = 200 counts per rev
- E500 = 500 counts per rev
- E1000 = 1000 counts per rev
- E2000 = 2000 counts per rev
- 00 = no encoder

Encoder Position (see table below)

- A = up
- B = down
- 00 = no encoder

Available Motor Voltages

Motor Size	Available Voltages		
NEMA 8	2.5	5	7.5
NEMA 11	2.1	5	12
NEMA 14	2.33	5	12
NEMA 17	2.33	5	12
NEMA 23	3.25	5	12
NEMA 34	2.85	5	12

Nut Style Matrix

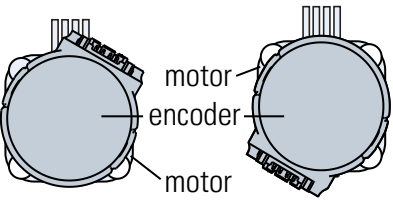
Style	Threaded	Flanged
Standard	NTA	NFA
Anti-Backlash Axial	ATA	AFA
Anti-Backlash Radial	RTA	RFA
Anti-Backlash Torsional	KTA	KFA

Encoder Positions

NEMA 8

Position A

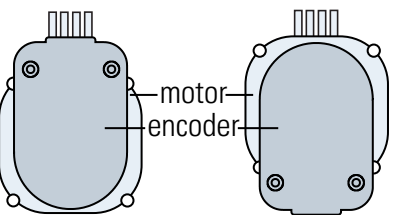
Position B



NEMA 11, 14, 17

Position A

Position B



NEMA 23, 34

Position A

Position B

