

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

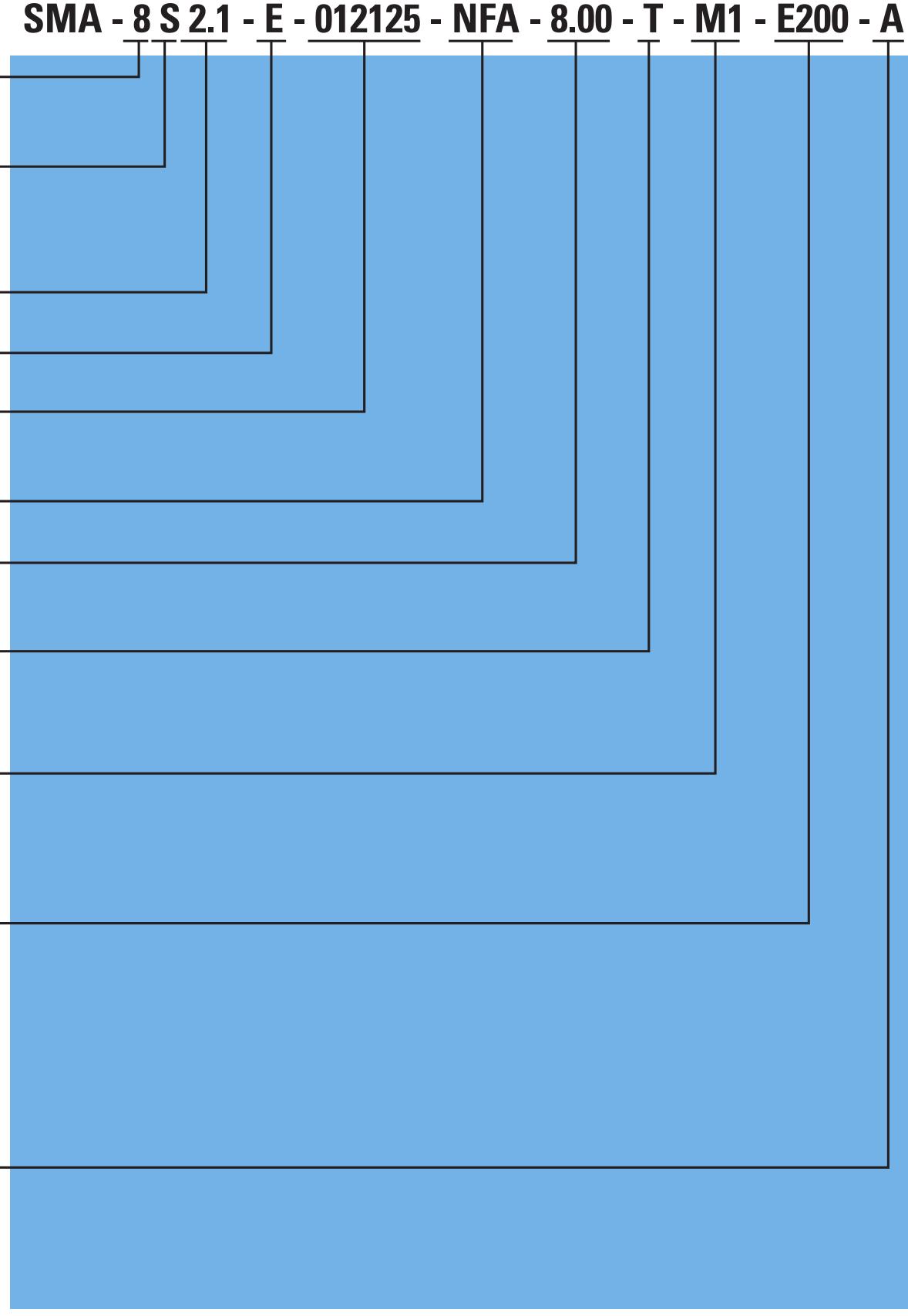
M1 = universal mount single bearing
F1 = flanged mount single bearing
00 = no bearing support

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

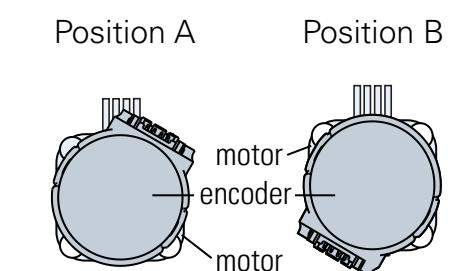
Nut Style Matrix

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

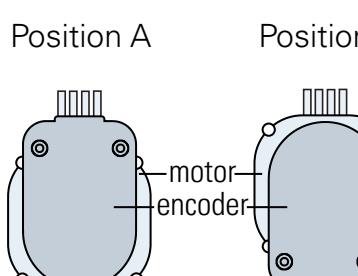
Position A



Position B

NEMA 11, 14, 17

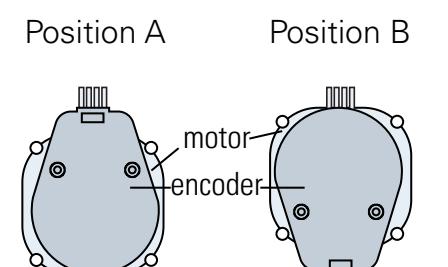
Position A



Position B

NEMA 23, 34

Position A



Position B