

APPS23

ElectroCraft AxialPower™ Plus

STEPPER LINEAR ACTUATOR



APPS23 Model Number Example

Model Number	Length (in)	Length (mm)	Weight (g)	Rotor Inertia (g-cm ²)
APPS23-90A	1.75	44.5	482	141
APPS23-150A	2.21	56.1	680	247

Thread Description	Lead (in)	Lead (mm)	Travel/Step (in)	Travel/Step (mm)	Max Force APPS23-90 (lbs)	Max Force APPS23-90 (N)	Max Force APPS23-150 (lbs)	Max Force APPS23-150 (N)
Q 3/8-20 (15)	0.0500	1.2700	0.0002500	0.006350	125	556.0	200	889.6
S 3/8-10 (15)	0.1000	2.5400	0.0005000	0.012700	100	444.8	160	711.7
T 3/8-16 (15)	0.0625	1.5875	0.0003125	0.007938	115	511.5	184	818.5

APPS 23 - 90 A 10 - 0 Q C 7 1 - H

Windings	Rated Voltage (VDC)	Rated Current (A)	Phase Resistance (Ohm)	Phase Inductance (mH)
90A10	5.80	1.00	5.78	18.00
90A20	3.00	2.00	1.50	5.70
90A30	1.80	3.00	0.65	2.20
150A10	7.90	1.00	7.92	43.80
150A20	3.80	2.00	1.90	10.00
150A30	2.40	3.00	0.85	4.40

Actuator Type	
0	Linear Actuator
1	Leadscrew Motor
2	Guided Linear Actuator

Lead Termination	
0	Flying Leads
1	Leads w/Connector

Feedback	
X	No Encoder
B	400 Line Differential
D	1000 Line Differential
H	400 Line Single Ended
K	1000 Line Single Ended

Leadscrew End Features	
0	No End Feature
7	1/4-28 UNF-2A x 12.7mm
8	M6 x 1.0 x 12.7mm
9	Ø.235/Ø.236 x 12.7mm

Screw Length	
X	No Leadscrew
A	76.2mm (3 inches)
B	152.4mm (6 inches)
C	304.8mm (12 inches)
D	457.2mm (18 inches)
E	609.6mm (24 inches)



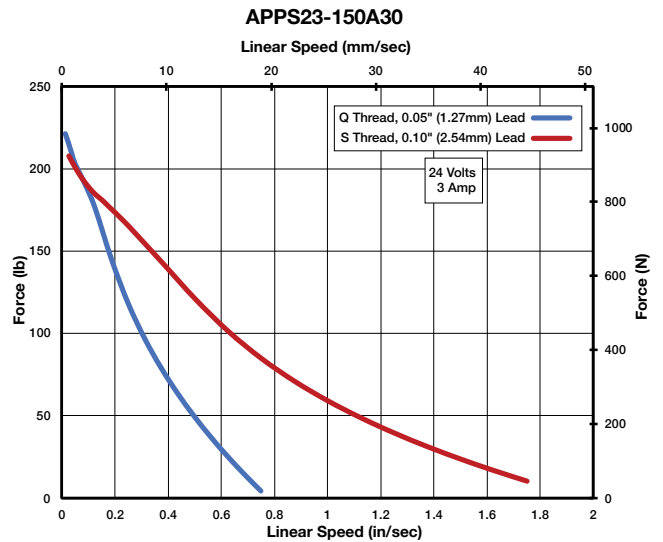
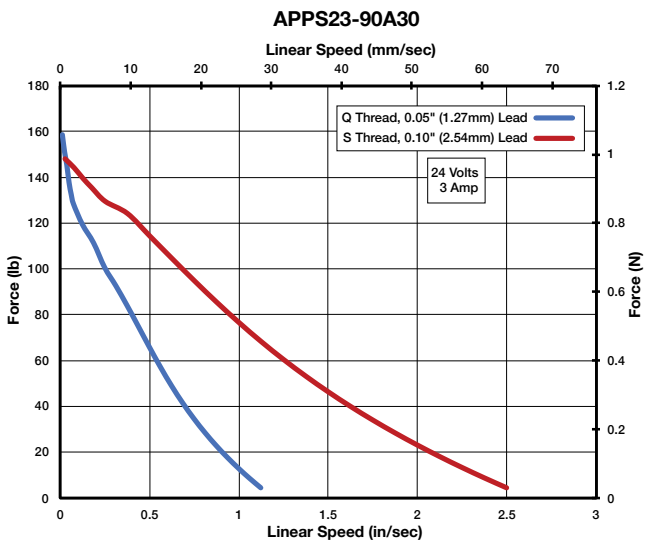
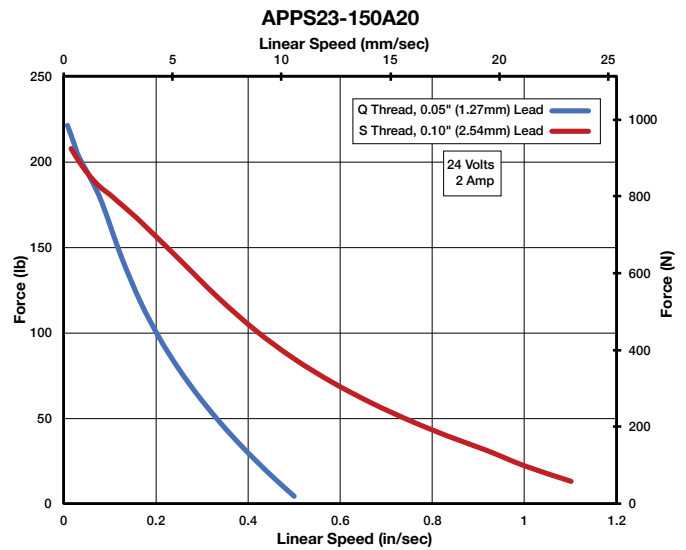
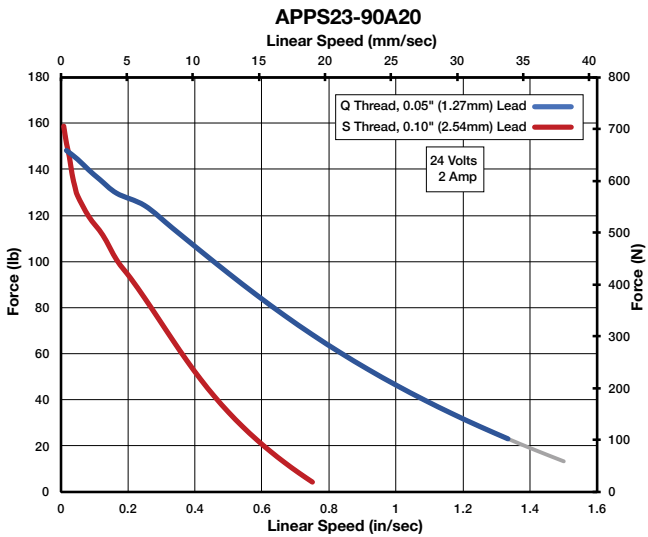
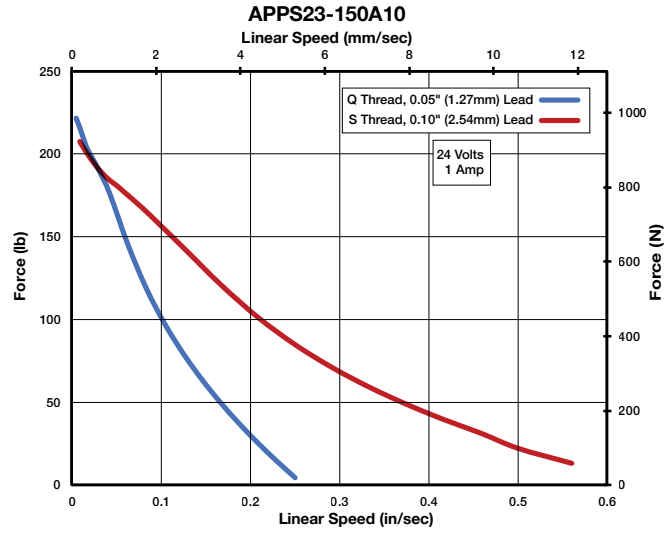
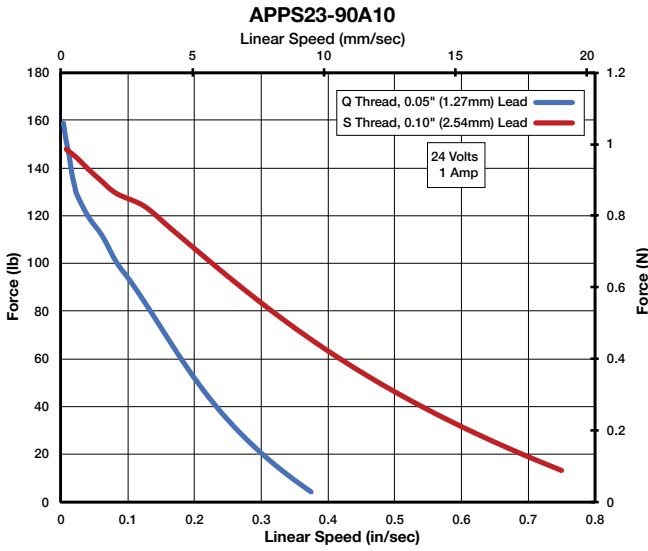
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APPS23 Performance Curves



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