



- High Precision
- High Resolution
- *Can be Customized for:*
 - Maximum Torque (see page 9)
 - Cables & Assemblies (see pages 21/70)
 - Shafts (see pages 21/69)
 - Drivers & Controllers (see page 99-108)
 - Maximum Efficiency (see page 12)



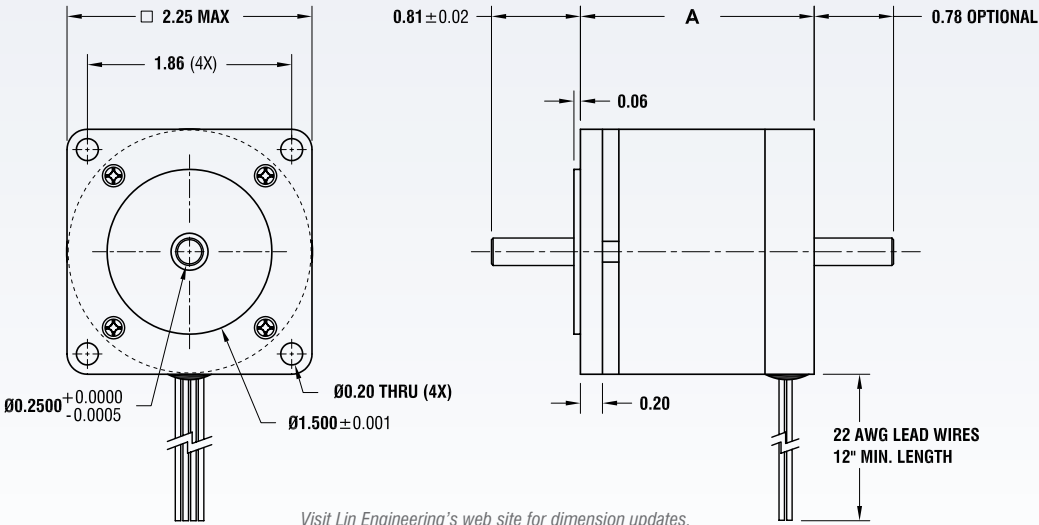
SPECIFICATIONS

BIPOLAR	Dimension "A" Max	Model #	Rated Current (Amps/Phase)	Holding Torque (oz-in)	Holding Torque (N-m)	Resistance (Ohms/Phase)	Inductance (mH/Phase)	Inertia (oz-in ²)	Weight (Lbs.)	Number of Leads
	1.55" 39.4 mm	5609X-01S	0.77	39.2	0.28	8.0	20.6	0.30	0.75	4
		5609X-01P	1.54	39.2	0.28	1.8	5.1	0.30	0.75	4
	2.08" 52.8 mm	5609S-04S	0.90	57.6	0.40	6.0	6.5	0.60	1.12	4
		5609S-04P	1.80	57.6	0.40	1.5	1.6	0.60	1.12	4
	2.20" 55.9 mm	5609M-01S	0.84	112.0	0.79	10.0	54.0	0.74	1.20	4
		5609M-01P	1.68	112.0	0.79	2.5	13.5	0.74	1.20	4
	3.08" 78.2 mm	5609L-05S	1.05	168.0	1.19	7.6	29.0	1.20	1.90	4
		5609L-05P	2.10	168.0	1.19	1.8	7.3	1.20	1.90	4

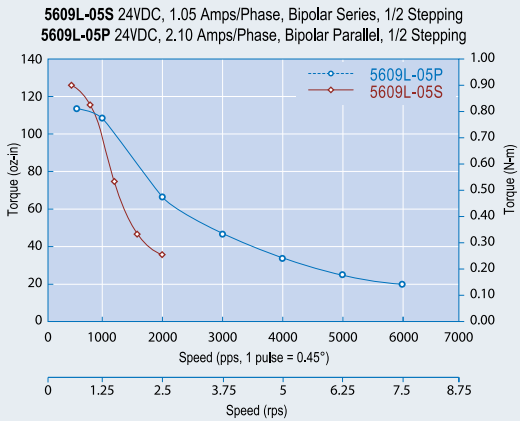
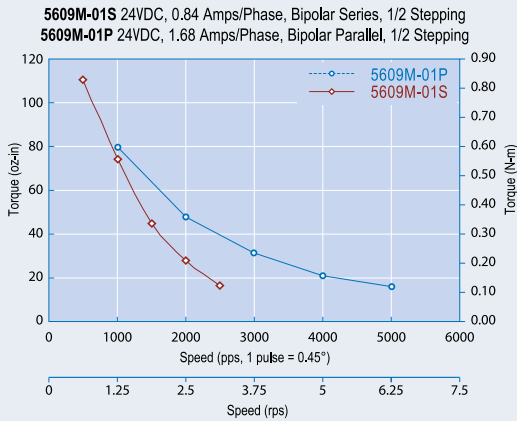
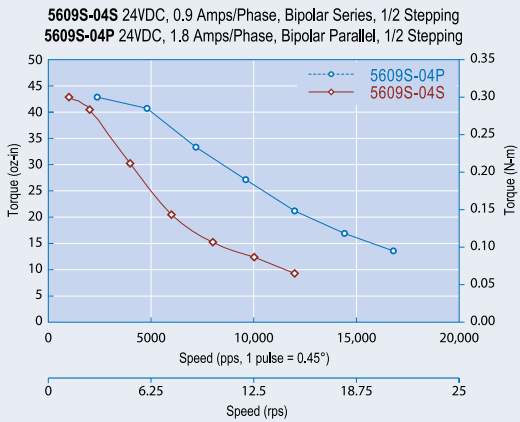
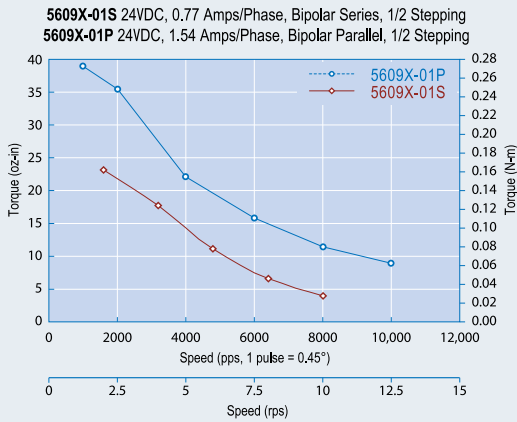
UNIPOLAR	Dimension "A" Max	Model #	Rated Current (Amps/Phase)	Holding Torque (oz-in)	Holding Torque (N-m)	Resistance (Ohms/Phase)	Inductance (mH/Phase)	Inertia (oz-in ²)	Weight (Lbs.)	Number of Leads
	1.55" 39.4 mm	5609X-01	1.10	28.0	0.20	3.6	5.1	0.30	0.75	6
	2.08" 52.8 mm	5609S-04	1.30	55.0	0.39	3.0	1.6	0.60	1.12	6
	2.20" 55.9 mm	5609M-01	1.20	98.0	0.69	5.0	13.5	0.74	1.20	6
	3.08" 78.2 mm	5609L-05	1.50	120.0	0.84	3.6	7.3	1.20	1.90	6

- Please complete our application data sheet on page 116 for different windings.
- Call Lin Engineering for additional bipolar torque curves.
- Performance, use, and appearance specifications of the products listed here are subject to change without notice.
- For operating temperatures, see page 114.
- All specifications are approximations. Please contact Lin Engineering for more details.

DIMENSIONS



TORQUE CURVES



AVAILABLE OPTIONS



DID YOU KNOW...

Lin Engineering has implemented Statistical Process Control along with a 4.5 Sigma System to meet your expectations for product quality & reliability.