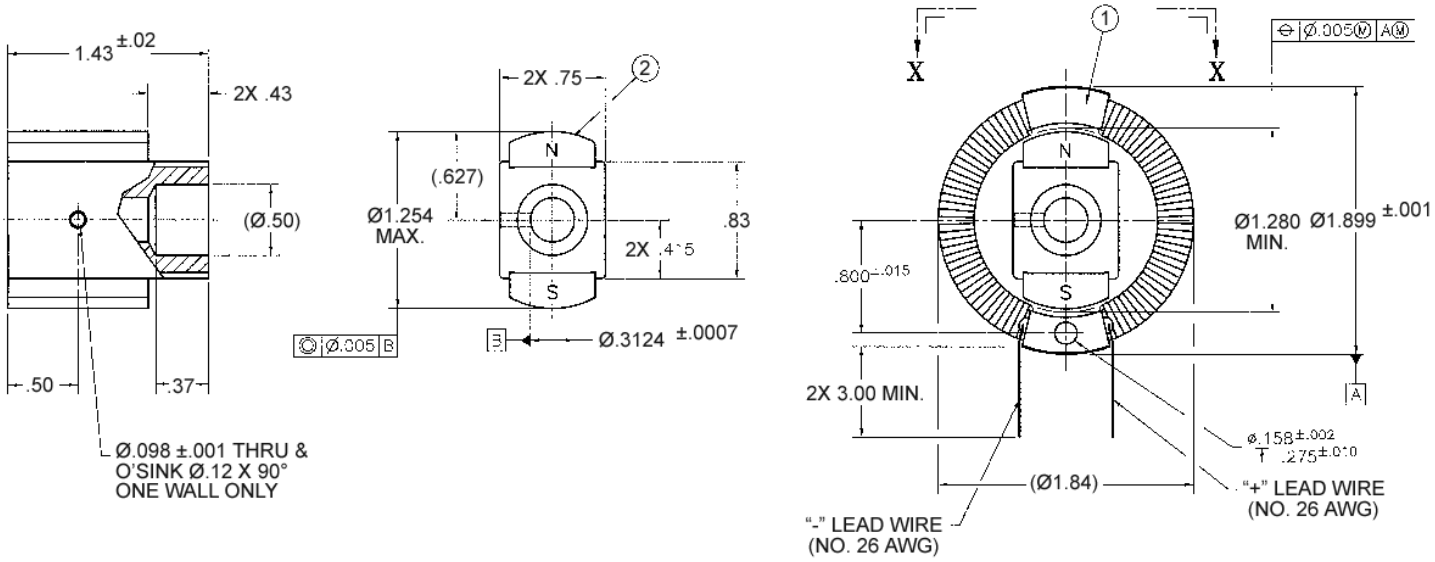
TD-1900-A-1 SPECIFICATIONS @ 25°C

Size Constants	Value	Units
Peak Torque, T_P	18	oz-in
Motor Constant, K_M	3.51	oz-in/√W
Excursion Angle	± 35	degrees
Number of Poles	2	
Weight	10	oz (nom)
Motor Inertia, J_M	3.40E-03	oz-in-s^2
Friction Torque, T_F	0.5	oz-in
Electrical Time Constant, τ_E	0.625	ms
Mechanical Time Constant, τ_M	39.37	ms
Winding Constants	**Value**	**Units**
Torque Sensitivity, K_T	6.28	oz-in/amp
Back EMF, K_E	0.044	V per rad/s
Terminal Resistance, R_M	3.2	ohms (nom)
Terminal Inductance, L_M	2	mH (nom)
Voltage, Stalled at Peak Torque, V_P	10	volts
Amps at Peak Torque, I_P	3	amps

TD-1900-A-1 Typical Outline Drawing



Dimensions are in inches