

STEPPING MOTOR FAMILY

Series 60mm (TS) Direct Drive Stepping Motor



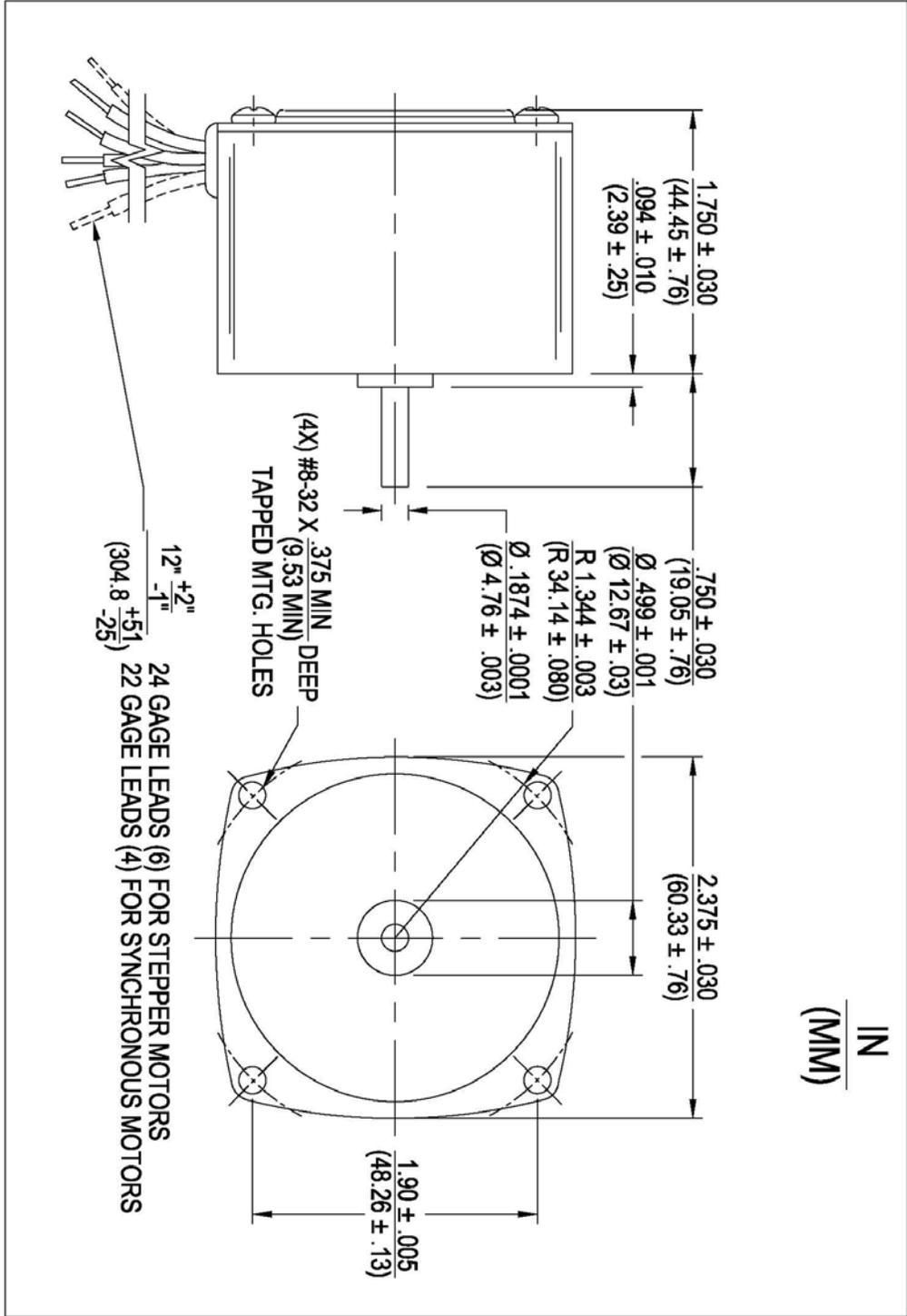
Step Angle:	7.5°
Steps per Revolution	48
Position Accuracy:	+/- 5% max.
Number of Phases:	4 phase bifilar
Insulation Class:	Class A (105°C)
Lead Wire:	6 leads 24AWG (approx. 12 inches [304.8 mm])
Operation Ambient Temp:	-10°C to +40°C (approx.)
Shaft Bearing:	Sleeve Bearing
Note: Typical data subject to change without notification	

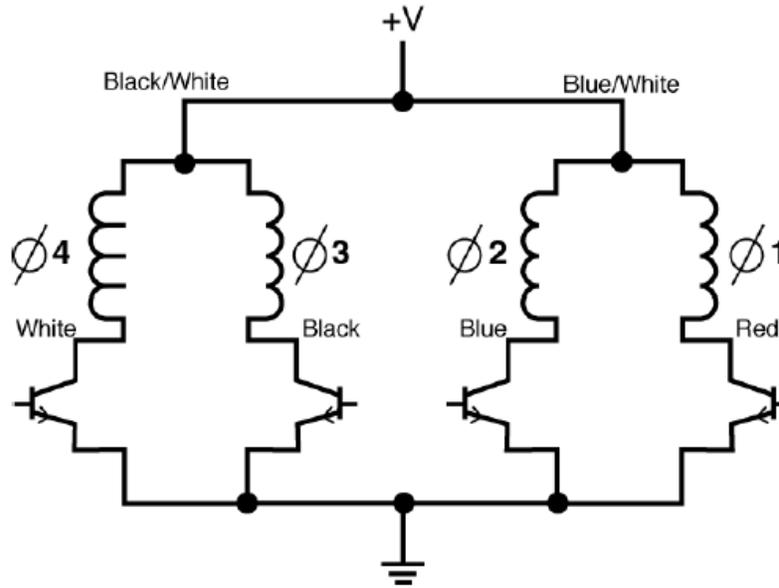
Compact, rugged, and efficient TS series 7.5° stepping motors are designed for heavy-duty applications. The motor is made with a durable machined die cast housing for dependable, long life expectancy. Rated torque for the standard model at 5 p/s is 8.5 oz.-in [60 mN-m]; Hi-Torque models are 10.4 oz.-in [73.4 mN-m].

Notes:

- Voltages other than those shown as well as 2-phase bipolar windings maybe ordered.
- Sleeve bearings are standard.

Model	Part Number	Step Angle (deg.)	Steps per Rev.	Rated Torque @ 200 p/s (oz-in)	Rated Torque @ 200 p/s (mN-m)	Rated Torque @ 4-5 p/s (oz-in)	Rated Torque @ 4-5 p/s (mN-m)	Holding Torque (oz-in) (2 Phase Energized)	Holding Torque (mN-m) (2 Phase Energized)	Output Speed (RPM)	Input Power (watts)	Nominal Voltage (Vdc)	Winding Res. (ohms)	Rotor Inertia (oz-in ²)	Rotor Inertia (g-cm ²)	Full Load Temp. Rise °C	Weight (oz)	Weight (g)	Hi-Torque Rotor
TS	2605-002	7.5	48	3.6	25.4	8.5	60	14	98.9	250	8.5	6	9.5	0.34	62.19	52	20	567	
TS	2610-002	7.5	48	5.4	38.1	10.4	73.4	15.5	109.5	250	8.5	12	31	0.34	62.19	40	20	567	X





	Ø4 White	Ø3 Black	Ø2 Blue	Ø1 Red	
CCW ROTATION ↑	1	0	1	0	↓ CW ROTATION
	1	0	0	1	
	0	1	0	1	
	0	1	1	0	

1 = ON, 0 = OFF

SWITCHING SEQUENCE

**MODELS TS 2605-001 AND TS 2610-002
UNIPOLAR L/R DRIVE**

