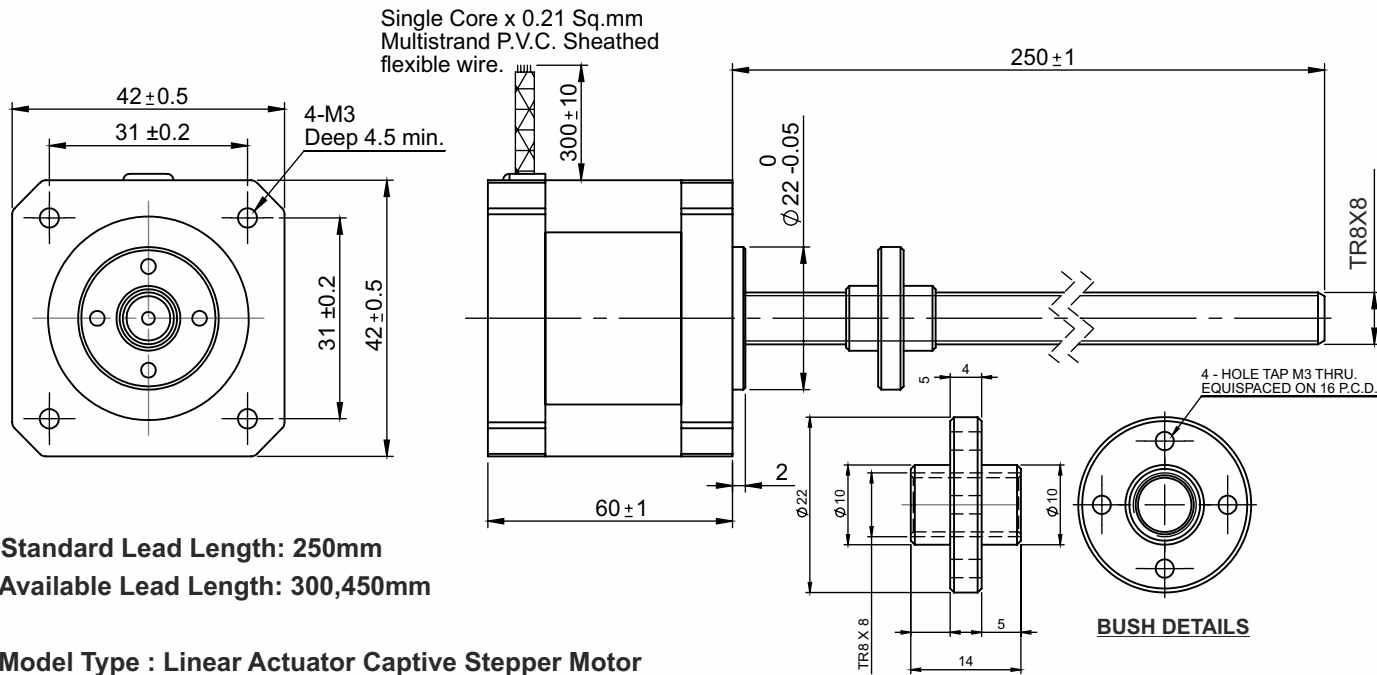


**SPECIFICATION SHEET**  
**Bholanath**

**STEPPER MOTOR**  
**BH 42 SH 60 - 0854 LA(250/300/450)**  
**(TR8 X 8)**  
**HIGH TORQUE HYBRID**



**TECHNICAL DATA**

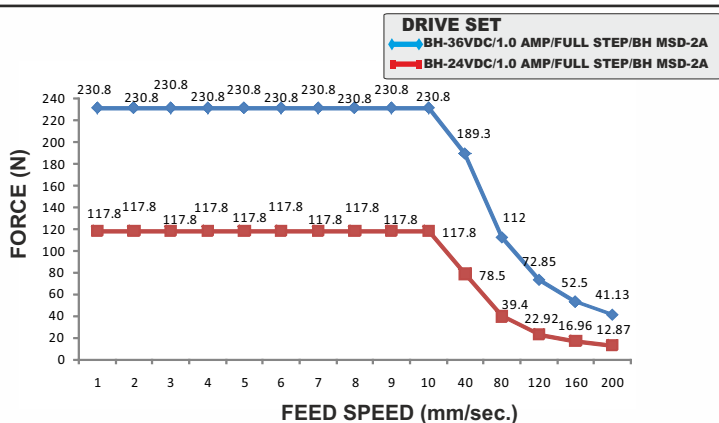
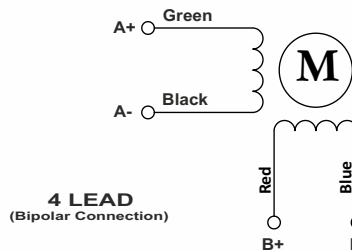
**CHARACTERISTICS**

- Step Angle - 1.8°
- Step Angle Accuracy - ± 3 Arc Minute
- Insulation Class - H
- Ambient Temperature - (- 20°C to + 50°C)
- Temperature Rise - 80°C Max. ( Rated Current Phase 2 ON )
- Insulation Resistance 100 M Ohms Min.500 VDC
- Dielectric Strength 500 VAC For One Minute
- Shaft Radial Play 0.02 Max. Play ( 450 G Load )
- Shaft Axial Play 0.08 Max. Play ( 450 G Load )
- Max.Radial Force 28 N ( 20MM From Front Flange )

**SPECIFICATION BH 42 SH 60 - 0854 LA(250/300/450) (TR8X8)**

MODEL		Bipolar
1	Rated Voltage	V 10.2
2	Current / Phase	A 0.85
3	Resistance / Phase	± 10% Ω 12
4	Inductance / Phase	± 20% mH 18
5	Holding Torque	Nm 0.9
6	Rotor Inertia	G-CM <sup>2</sup> 126.75
7	Weight	KG. 0.590
8	No of Lead	N <sup>0</sup> 4
9	Operating Voltage	VDC 24 - 50
10	Linear Step size - 40 micron per full step	

**Wiring Diagram**



**Bholanath Precision Engineering Pvt.Ltd.**

11,Kembros Ind.Estate , Sonapur Lane , Bhandup (W),Mumbai - 400078.  
 Telefax/Phone : 25662856/25664338/67993260 Email : support@bholanath.in  
 Mobile No : 9920903825/9821671733/9930514603/9819515543/9323166582.