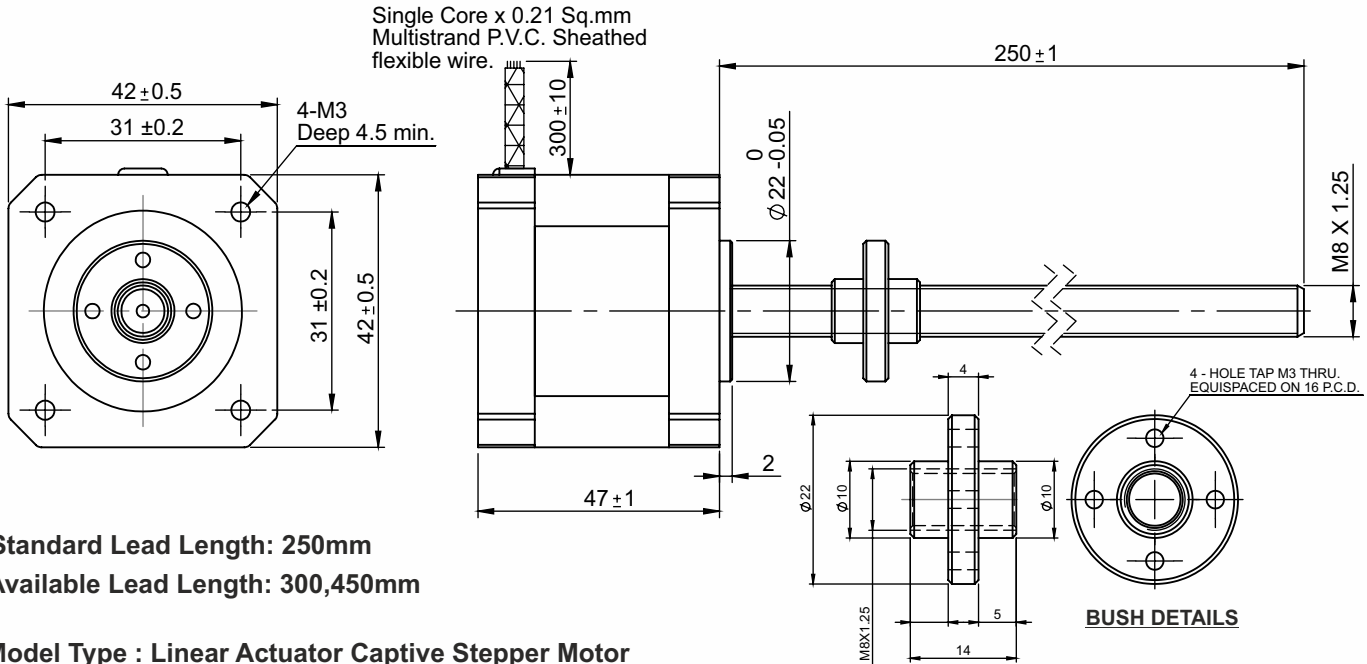


**SPECIFICATION SHEET**  
**Bholanath**

**STEPPER MOTOR**  
**Bh42 SH 47 - 1704 LA(250/300/450)**  
**(M8X1.25)**  
**HIGH TORQUE HYBRID**



**TECHNICAL DATA**

**CHARACTERISTICS**

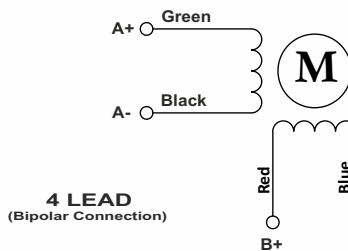
- Step Angle - 1.8°
- Step Angle Accuracy - ± 3 Arc Minute
- Insulation Class - H
- Ambient Temperature - (- 20°C to + 50°C)
- Temperature Rise - 80°C Max. ( Rated Current Phase 2 ON )
- Insulation Resistance 100 M Ohms Min.500 VDC
- Dielectric Strength 500 VAC For One Minute
- Shaft Radial Play 0.02 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**

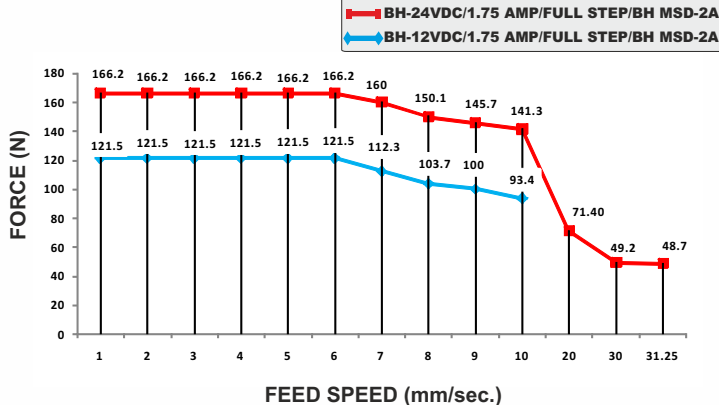
**BH 42 SH 47- 1704 LA(250/300/450)**  
**(M8X1.25)**

MODEL		Bipolar
1	Rated Voltage	V 2.8
2	Current / Phase	A 1.7
3	Resistance / Phase	± 10% Ω 1.7
4	Inductance / Phase	± 20% mH 2.5
5	Holding Torque	Nm 0.44
6	Rotor Inertia	G-CM <sup>2</sup> 91.03
7	Weight	KG. 0.475
8	No of Lead	N <sup>o</sup> 4
9	Operating Voltage	VDC 12 - 24
10	Linear Step size - 6.25 micron per full step	

**Wiring Diagram**



**DRIVE SET**



**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.