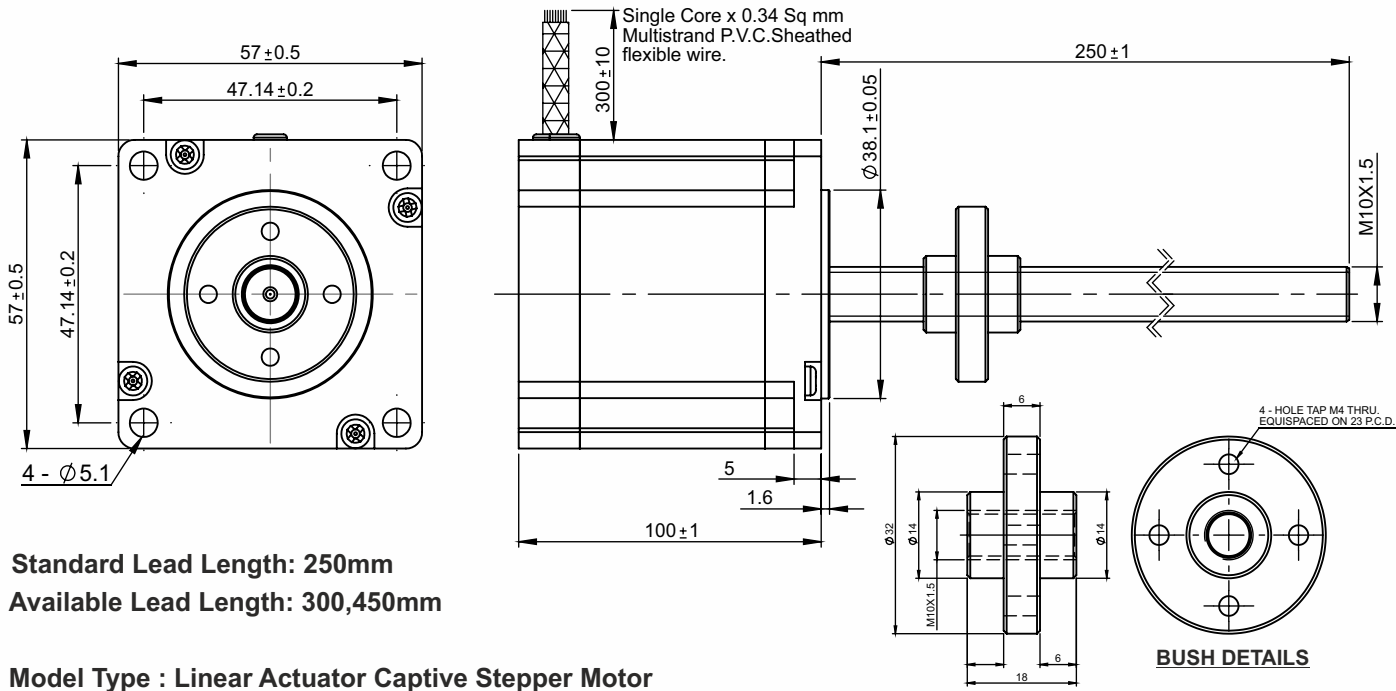


**SPECIFICATION SHEET**  
**Bholanath**

**STEPPER MOTOR**  
**BH 57 SH 100 - 3004 LA(250/300/450)**  
**(M10x1.5)**  
**HIGH TORQUE HYBRID**



**TECHNICAL DATA**

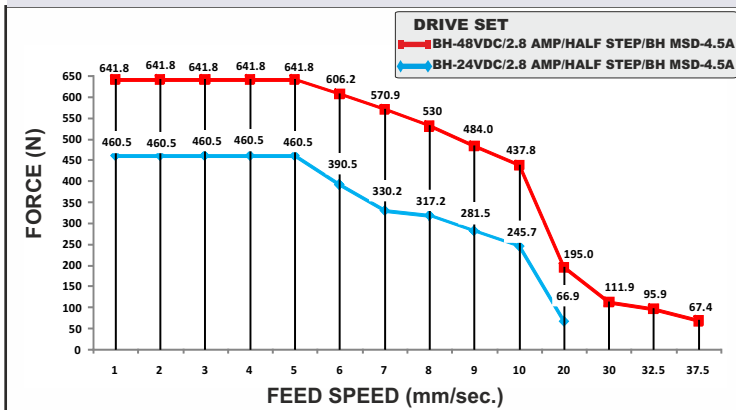
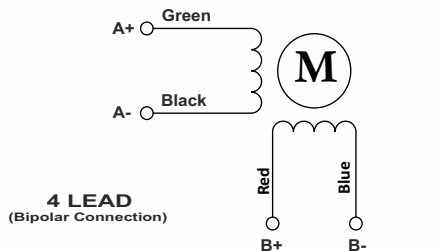
**CHARACTERISTICS**

- 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 75 N ( 20MM From Front Flange )

**SPECIFICATION BH 57 SH 100- 3004 LA(250/300/450) (M10X1.5)**

	MODEL		Bipolar
1	Rated Voltage	V	4.65
2	Current / Phase	A	3
3	Resistance / Phase	± 10% Ω	1.55
4	Inductance / Phase	± 20% mH	6.75
5	Holding Torque	Nm	2.5
6	Rotor Inertia	G-CM <sup>2</sup>	705.9
7	Weight	KG.	1.7
8	No of Lead	N <sup>o</sup>	4
9	Operating Voltage	VDC	24 - 48
10	Linear Step size - 7.5 micron per full step		

**Wiring Diagram**



**Bholanath Precision Engineering Pvt.Ltd.**

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