

# 28LHS/1904/0754/0354 Series

## Double Stack Hybrid Linear Stepper Motors

### 2 Phase, Nema 11, Captivet and Rich Leadscrews

#### Technical Specifications

Step Angle	1.8° (2 Phase)
Step Angle Accuracy	±0.09°
Size	Nema 11
Insulation Grade	500VDC, 100 MΩ Min. , Class B
Dielectric Strength	500 VAC for 1 Minute
Temperature Rise	Less than 80°C (Rated Current)
Surface Temperature	Max. Allowed 100°C
Humidity Range	20% to 90% RH
IP Grade	IP40
Certificates	Rohs, CE, CCC



#### Highlights:

- Low Noise, Low Vibration, Low Heating;
- High Smoothness;
- High Efficiency, Long lifetime ;
- Flexible in Customization:  
Screw Diameter, Screw Lead, Screw Length, Motor Length,  
Electric Parameters, Motor Surface Processing etc.

Model Name	Wiring	Rated voltage	Rated current	Resistance /phase	Inductance /phase	Power consumption	Temperature rise	Weight	Insulation resistance
28LHS1904C-C-L	Bipolar	2.1V	1.9A	1.1Ω	1.1mH	7.5W	75°C	180g	20MΩ
28LHS0754C-C-L		5V	0.75A	6.7Ω	5.8mH				
28LHS0354C-C-L		12V	0.35A	34.8Ω	35.6mH				

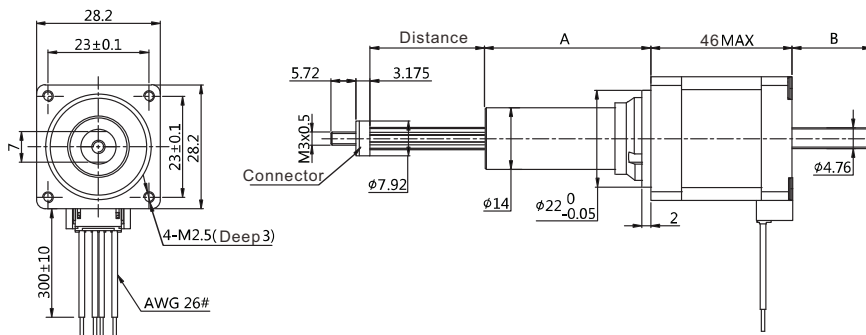
Note: Customization of motor specifications available.

Code	Leadscrew Thread Dimensions in mm		
	Diameter	Step	Lead
7	φ 4.76	0.003175	0.635
9	φ 4.76	0.00635	1.27

Note: Customization of step and lead specification available.

Code	Leadscrew Thread Dimensions in mm		
	Diameter	Step	Lead
3	φ 4.76	0.0127	2.54
1	φ 4.76	0.0254	5.08

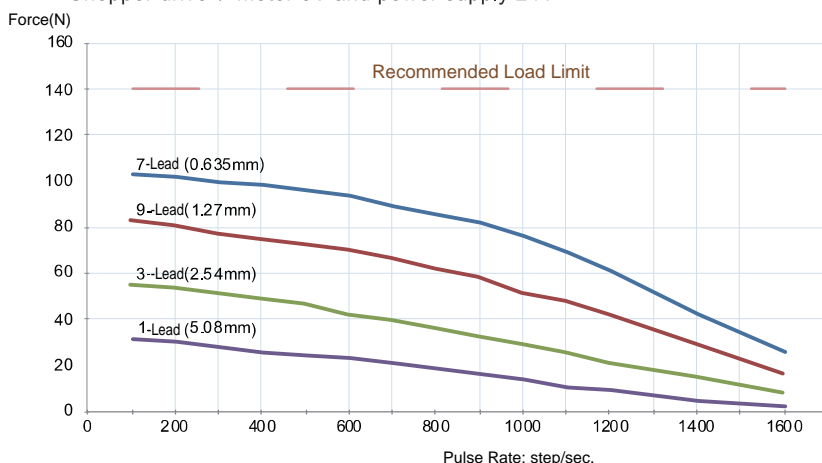
#### Captive Type Mechanical Drawings in mm



Distance Code	Distance(mm)	A(mm)	B(mm)
302	12.7	20.5	2.3
303	19.1	26.8	8.6
304	25.4	33.17	15
305	31.8	39.5	21.4
306	38.1	72.7	27.7
307	50.8	85.4	40.4

#### Load Force and Pulse Rate Curves

Chopper drive : motor 5V and power supply 24V



#### Wiring Diagram

