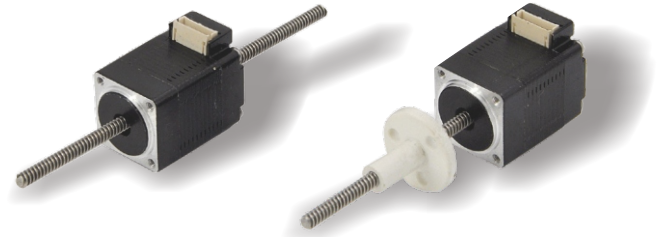


20LHS/0494/0244/0164 Series Hybrid Linear Stepper Motors

2Phase Nema 8, No-captive, External Nut and Rich Leadscrews

Technical Specifications

Step Angle	1.8° (2 Phase)
Step Angle Accuracy	±0.09°
Size	Nema 8
Insulation Grade	500VDC, 20 MΩ Min. , Class B
Dielectric Strengt	500 VAC for 1 Minute
Temperature Rise	Less than 80°C (Rated Current)
Suface 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
20LHS0494N/E-C-L	Bipolar	2.5V	0.49A	5.1Ω	1.5mH	2.45W	75°C	43g	20MΩ
20LHS0244N/E-C-L		5V	0.24A	20.4Ω	5.0mH				
20LHS0164N/E-C-L		7.5V	0.16A	45.9Ω	11.7mH				

Note: Customization of motor specifications available.

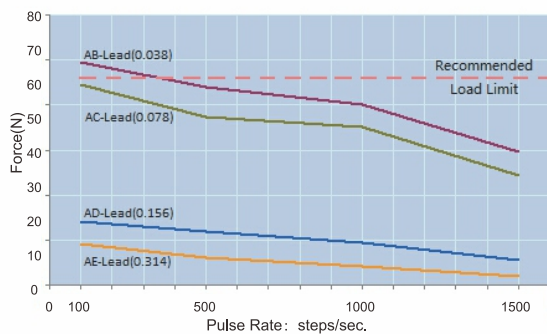
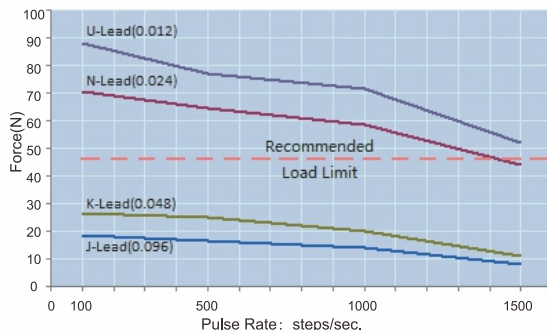
Code	Leadscrew Thread Dimensions in mm		
	Diameter	Step	Lead
U	φ 3.5	0.001524	0.3048
N	φ 3.5	0.003048	0.6096
K	φ 3.5	0.006096	1.2192
J	φ 3.5	0.012192	2.4384

Note: Customization of step and lead specification available.

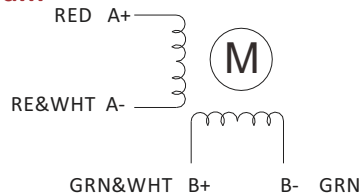
Code	Leadscrew Thread Dimensions in mm		
	Diameter	Step	Lead
AB	φ 3.5	0.005	0.5
AC	φ 3.5	0.01	1.0
AD	φ 3.5	0.02	2.0
AE	φ 3.5	0.04	4.0

Load Force and Pulse Rate Curves

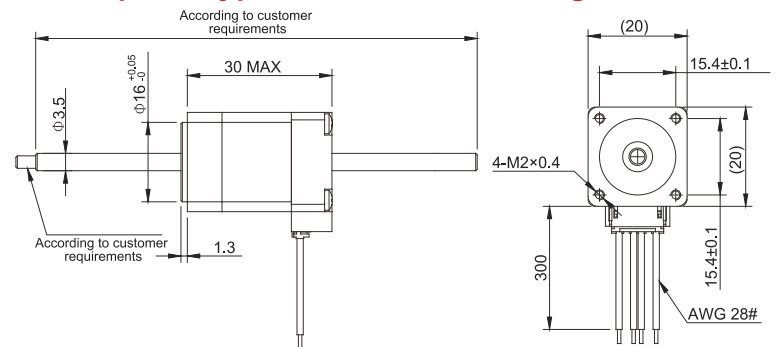
Chopper drive : motor 5V and power supply 24V



Wiring Diagram



No-captive Type Mechanical Drawings in mm



External Nut Type Mechanical Drawings in mm

