# LE08 Series

| | |
|---|---|
| **Phases** | 2 |
| **Step Accuracy** | ±5% |
| **IP Rating** | 40 |
| **Approvals** | RoHS |
| **Operating Temp.** | -20°C~+50°C |
| **Insulation Class** | B(130°C) |
| **Insulation Resistance** | 100MegOhms |

## Ordering Information

**LE 08 0K − E03006 − 100 − AR0 − 0 − XXX**

Lead Screw Motor Type Code

| Code | Structure Type |
|---|---|
| LE | External Nut<br>- Lead screw Shaft |

Frame Size Code

| Code | Frame Size |
|---|---|
| 08 | 20mm |

Motor Body Length Code

| Code | Motor Body Length Max(mm) | Step Angle (°) |
|---|---|---|
| 0K | 20 | 1.8 |
| 1K | 27 | |
| 1S | 30 | |

Lead Screw Type Code

| Code | Nominal Diameter (mm) | Lead (mm) | Travel(mm) |
|---|---|---|---|
| | | | Travel Per1.8° |
| M3501 | 3.5 | 1 | 0.005 |

| Code | Nominal Diameter | | Lead | | Travel(mm) |
|---|---|---|---|---|---|
| | inch | mm | inch | mm | Travel Per1.8° |
| E03006 | 0.138 | 3.51 | 0.024 | 0.61 | 0.0030* |
| E03012 | | | 0.048 | 1.22 | 0.0061* |
| E03024 | | | 0.096 | 2.44 | 0.0122* |
| E04006 | 0.188 | 4.78 | 0.025 | 0.64 | 0.0032* |
| E04012 | | | 0.05 | 1.27 | 0.0064* |
| E04025 | | | 0.1 | 2.54 | 0.0127* |

The number with * is abbreviated.

Rated Current Code

| XXX=X.XX(A) |
|---|

Special Custom Type Code

| Code | Custom Type |
|---|---|
| 0 | Non Special Custom |
| S | Lead Screw End Machining |
| C | Other Special Custom Type |

Nut Type Code

| Code | Nut Type |
|---|---|
| AR0 | Round Standard Nut |
| BR0 | Round Anti-Backlash Nut |
| AT0 | Triangular Standard Nut |
| BT0 | Triangular Anti-Backlash Nut |
| CN | Custom Made Nut |

Lx

| ### | Provided in 1 mm increments |
|---|---|

Note:Choose the standard order models can get the sample quickly, please see P9 for standard models.

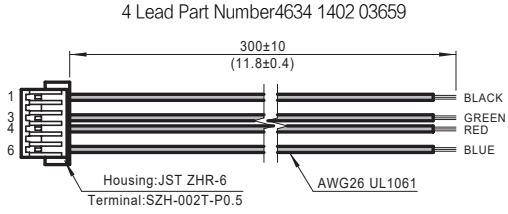
# LE08 Series

## LE08 Step Motor - 4 Lead Bi-Polar

| Motor Type Code | Motor Body Length (mm) | Step Angle (°) | Electrical Connection | Rated Current (Amps) | Winding | |
|---|---|---|---|---|---|---|
| | | | | | Resistanc(Ohms) ±10%@20°C | Inductance(mH) Typ. |
| LE080K | 20 | 1.8 | Leads | 0.4 | 8.5 | 2.7 |
| LE081K | 27 | | Leads | 0.4 | 12.7 | 4.1 |
| LE081S | 30 | | Plug In Connector | 0.5 | 8.6 | 6.5 |

Note: Recommended Driver, DC Input: SR2-Plus, SR3-mini.

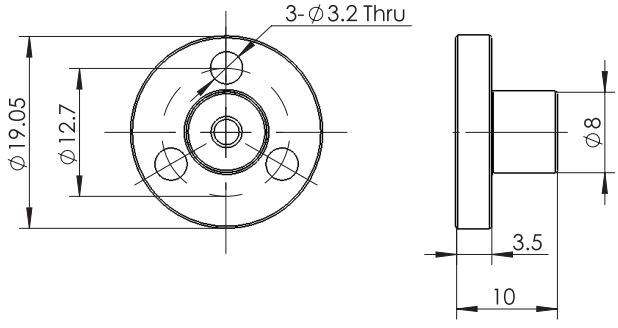
## Mating Connector With Leads (order separately)



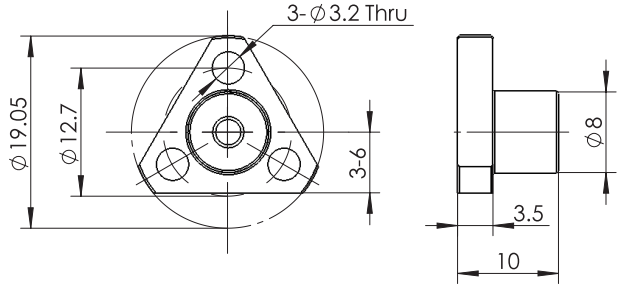

## Nut Type

UNIT:mm

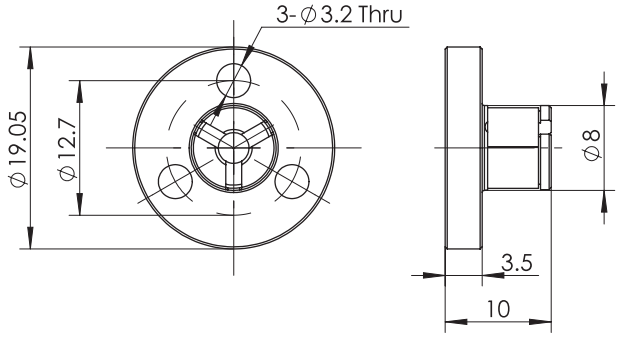
Round Standard Nut AR0



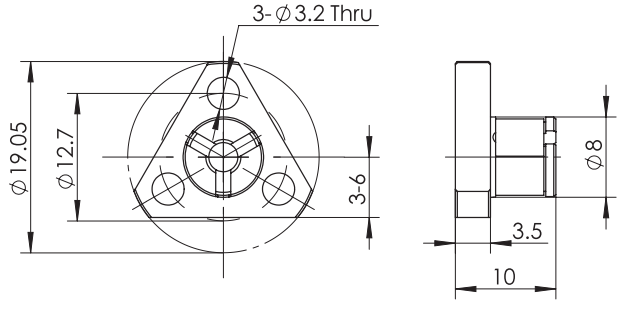

Triangular Standard Nut AT0




Round Anti-Backlash Nut BR0



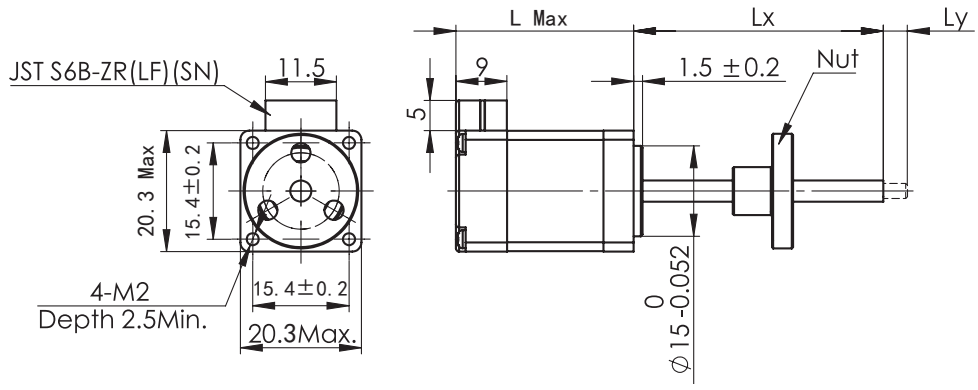

Triangular Anti-Backlash Nut BT0

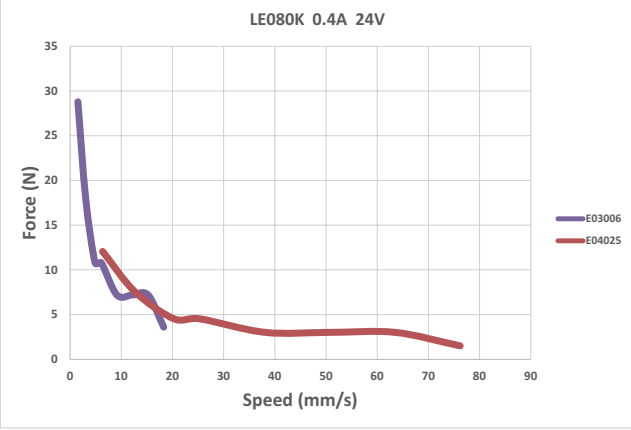
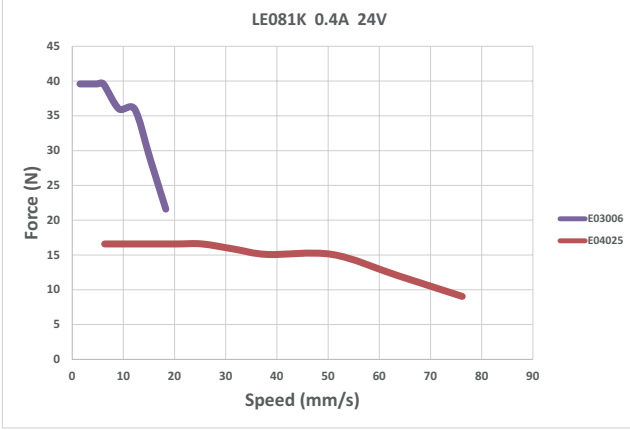


# LE08 Series

## ■ Dimensional Information

UNIT:mm




| Motor Type | Dimension"L" |
|---|---|
| LE080K | 20 |
| LE081K | 27 |
| LE081S | 30 |

## ■ Speed - Force Reference Curve