Anaheim Automation’s BLAW23 Brushless Ball Screw Linear Actuators are a unique motor with a Ball Screw attached to the lead screw. The BLAW23 Series come in a compact package with a 12” screw extended from the motor. This motor comes in a standard 8-lead wire configuration. These Brushless Ball Screw Linear Actuators are designed to be the most versatile linear positioning motors on the market. These external linear actuators are robust and can be easily configured to solve some of the most difficult application problems. Integration of a lead screw with a motor saves space, eliminates components, and reduces cost. While many standard configurations are available, custom modifications for OEM customers are welcome.
## Motor Specifications

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Voltage (VDC)</th>
<th>Rated Speed (RPM)</th>
<th>Rated Power (W)</th>
<th>Rated Current (A)</th>
<th>Rated Torque (oz-in)</th>
<th>Resistance (ohms)</th>
<th>Inductance (mH)</th>
<th>Number of Leads</th>
<th>Motor Weight (lbs)</th>
<th>Motor Length “L” (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLAW232</td>
<td>24</td>
<td>3000</td>
<td>34</td>
<td>2.5</td>
<td>15.5</td>
<td>1.6</td>
<td>4</td>
<td>8</td>
<td>1.95</td>
<td>2.16</td>
</tr>
</tbody>
</table>

## Leadscrew Thread Dimension (mm)

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Dynamic Rating Load (Kgf)</th>
<th>Static Rating Load (Kgf)</th>
<th>Lead (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>661</td>
<td>1316</td>
<td>5</td>
</tr>
</tbody>
</table>

Units in mm
### Wire Color | Description
--- | ---
Red | Hall Supply
Blue | Hall A
Green | Hall B
White | Hall C
Black | Hall Ground
Red | Phase A
Yellow | Phase B
Black | Phase C

**Diagram:**

```
PHASE A
RED
```

```
PHASE B
YEL
```

```
PHASE C
BLK
```