Suitable for conveyor lines without an air supply

<Application Example>

- Rod end shape
  Chamfered type, roller type and lever type are available.

- Energy saving: power consumption at rod stoppage is reduced by 60%.

- Height and mounting
  Compatible with Stopper Cylinder RSQ series

Contact our sales office regarding a delivery date or a price since this is a special model.
**Easy setting**

Easy adjustment on site with the programless controller

- No programming is required.
- Speed, acceleration and position can be set easily with the trimmer switch on the operation panel.
- No PC or Teaching Box is required.

- 16 gradual adjustments for speed and acceleration
- 14 positioning points
- Applicable to motors with lock
- Applicable to electric actuators with vertical specifications

- Applicable to Electric Actuator LE series

LEC series controllers that are capable of detailed settings are also applicable to this stopper cylinder.

**How to Order**

**LEBQ B 32 □ - 20 □ - □ 1 6N 1 □ -X1**

- **Mounting brackets**
  - B Through-hole
  - A Both ends tapped

- **Body size**
  - Motor side: M 32
  - Left side: L 50

- **Stroke**
  - B 20
  - L 30

- **Motor cover option**
  - C With motor cover

- **Controller mounting**
  - Nil Without option
  - 6N Without controller
  - 6P With controller (PNP)
  - 1N With program-ess controller (NPN)
  - 1P With program-less controller (PNP)

- **Actuator cable length**
  - Nil Without cable
  - 1 1.5 m
  - 3 3 m
  - 5 5 m

- **Actuator cable type**
  - Nil Without cable
  - S Standard cable
  - R Robotic cable (Flexible cable)
Specifications:

<table>
<thead>
<tr>
<th>Specifications</th>
<th>LEBQ32</th>
<th>LEBQ50</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Actuator specifications</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>LEBQ32</td>
<td>LEBQ50</td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LEBQ32</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LEBQ50</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Stroke (mm)</strong></td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td><strong>Force (N)</strong></td>
<td>30</td>
<td>150</td>
</tr>
<tr>
<td><strong>Speed (mm/s)</strong></td>
<td>80</td>
<td>135</td>
</tr>
<tr>
<td><strong>Screw lead (mm)</strong></td>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td><strong>Impact/Vibration resistance (m/sec^2)</strong></td>
<td>50/20</td>
<td></td>
</tr>
<tr>
<td><strong>Actuation type</strong></td>
<td>Sliding screw + Cam</td>
<td></td>
</tr>
<tr>
<td><strong>Operating temp. range (°C)</strong></td>
<td>5 to 40 (No freezing)</td>
<td></td>
</tr>
<tr>
<td><strong>Operating humidity range (%)</strong></td>
<td>35 to 85 (No freezing)</td>
<td></td>
</tr>
<tr>
<td><strong>Motor size</strong></td>
<td>□28</td>
<td>□42</td>
</tr>
<tr>
<td><strong>Motor type</strong></td>
<td>Step motor (Servo 24 V DC)</td>
<td></td>
</tr>
<tr>
<td><strong>Encoder (Angular displacement sensor)</strong></td>
<td>Incremental A/B phase (800 pulse/rotation)</td>
<td></td>
</tr>
<tr>
<td><strong>Rated voltage (V)</strong></td>
<td>24 V DC ± 10%</td>
<td></td>
</tr>
<tr>
<td><strong>Power consumption (W)</strong></td>
<td>29</td>
<td>36</td>
</tr>
<tr>
<td><strong>Standby power consumption when operating (W)</strong></td>
<td>10</td>
<td>15</td>
</tr>
<tr>
<td><strong>Momentary max. power consumption(W)</strong></td>
<td>37</td>
<td>46</td>
</tr>
<tr>
<td><strong>Controller weight (kg)</strong></td>
<td>LECP6</td>
<td>0.15 (Screw mounting), 0.17 (DIN rail mounting)</td>
</tr>
<tr>
<td><strong>LECP1</strong></td>
<td>0.13</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight (kg)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rod end shape</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Chamfered type, Roller type</strong></td>
<td>0.81</td>
<td>1.76</td>
</tr>
<tr>
<td><strong>Lever with a shock absorber built-in type</strong></td>
<td>0.9</td>
<td>1.99</td>
</tr>
</tbody>
</table>

※ Power consumption means power consumption during operation including the controller.
※ Standby power consumption when operating means power consumption at standby during operation including that at power saving holding.
※ Momentary maximum power consumption means the maximum momentary electric power during operation including the controller. Use this to select power source capacity.
■ System Construction

- In case of Program-less Controller (LECP1)

![Diagram of LECP1 system]

- Options (Ordered separately)

- No Teaching Box or PC is required.

- In case of Program Controller (LECP/A6)

![Diagram of LECP/A6 system]

- Options (Ordered separately)

- *Produced upon receipt of order

- Electric Stopper Cylinder
The drawing shows the product with motor cover.

The drawing shows the product with the rod chamfer facing the motor.

The drawing shows the product with the chamfered type rod end. Refer to Fig.1 and Fig.2 for other specifications.
※The drawing shows the product with motor cover.
※The drawing shows the product with the rod chamfer facing the motor.
※The drawing shows the product with the chamfered type rod end. Refer to Fig.1 and Fig.2 for other specifications.
### Operating range

- Roller Type/Round Bar Type/Chamfered Type

- Lever Type (With shock absorber) Friction coefficient $\mu = 0$

- Lever Type (With shock absorber) Friction coefficient $\mu = 0.1$

---

### Precautions

1. Since no magnet is mounted in this product, auto switches are not applicable.

2. In regard to the mass of the transferred object and the transfer speed, conform to the operating ranges.

⚠️ **Caution** To ensure the safest possible operation of this product, please be sure to read thoroughly the "Safety Instructions" in our “Best Pneumatics” catalog before use.

©2010 SMC Corporation All Rights Reserved