### Ordering method

**F8L**

<table>
<thead>
<tr>
<th>Type</th>
<th>Lead</th>
<th>Diameter (mm)</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>6</td>
<td>1 8/16</td>
<td>240</td>
</tr>
<tr>
<td>B</td>
<td>6</td>
<td>1 5/8</td>
<td>240</td>
</tr>
<tr>
<td>C</td>
<td>6</td>
<td>2 5/16</td>
<td>240</td>
</tr>
<tr>
<td>D</td>
<td>6</td>
<td>3 1/16</td>
<td>240</td>
</tr>
</tbody>
</table>

**SR1-X**

<table>
<thead>
<tr>
<th>Type</th>
<th>Power supply voltage</th>
<th>Power capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>05</td>
<td>24V (100W or less)</td>
<td>2kg</td>
</tr>
</tbody>
</table>

**TDV-X**

| Power supply voltage | 24V (100W or less) |

**LH**

| Power supply voltage | 24V (100W or less) |

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### Specifications

- **Articulated robots**
- LCM100
- Compact single-axis robots
- TRANSERVO
- Motor-less single-axis robots
- PHASER
- Cartesian robots
- XY-X
- SCARA robots
- YK-X
- Pick & place robots
- YP-X

### Note

1. The model with a lead of 30mm cannot select specifications with a brakedrive (vertical specifications).
2. The robot cable is standard cable (SL/SL-1/SL), but can be changed to flexible cable.
3. See P614 for details on robot cables.
4. Select this selection when using the gateway function. For details, see P66.

### Note

1. Positioning repeatability (in one direction).
2. When the stroke is longer than 650mm, resonance of the ball screw may occur depending on the operation conditions (critical speed).
3. If the horizontal installation, the maximum speeds shown in the table below.
4. When using the gateway function. For details, see P.66.
5. Weight of models with no brake shown in the table below.
6. The weight of brake-attached models is 0.3 kg heavier than the models with no brake shown in the table.

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**Controller**

- SR1-X: Programming / Remote command
- TS-X: Operation / Remote command
- RDV-X: Pulse train control

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**Linear conveyor modules**

- LCM100
- Compact single-axis robots
- TRANSERVO
- Motor-less single-axis robots
- PHASER
- Cartesian robots
- XY-X
- SCARA robots
- YK-X
- Pick & place robots
- YP-X

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**Note**

- When the stroke is longer than 650mm, resonance of the ball screw may occur depending on the operation conditions (critical speed).
- In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table above.
F8L  High lead type: Lead 30

Approx. 240 (Motor cable length) 212±4: When origin is on motor side 90.5±4: When origin is on non-motor side

Effective stroke 30±0.02 44±1.1

Use M4x0.7 hex socket head bolt with length (under head) of 16mm or more.

Cross-section E-E

Note Recommended plate nut M5 (≤8 11.8)

Note 1. Stop positions are determined by the mechanical stoppers at both ends.

Note 2. When installing the robot, do not use washers inside the robot body.

Note 3. Minimum bend radius of motor cable is R50.

Note 4. When using this φ10 knock-pin hole to position the robot body, the knockpin must not protrude more than 10mm inside the robot body.

Note 5. When the stroke is longer than 650mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table above.