### Ordering method

**T6L**

- **Model**
  - T6L
  - Brake
  - Origin position change
- **Specifications**
  - Motor type
  - Linear guide type
  - Deceleration mechanism
  - Stroke
  - Overall length
  - Rated thrust
  - Ball screw lead
- **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

### Allowable overhang

**Horizontal installation**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>T6L</td>
<td>2kg</td>
<td>319</td>
<td>184</td>
</tr>
<tr>
<td></td>
<td>6kg</td>
<td>61</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>10kg</td>
<td>64</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>3kg</td>
<td>624</td>
<td>125</td>
</tr>
<tr>
<td></td>
<td>5kg</td>
<td>273</td>
<td>41</td>
</tr>
<tr>
<td></td>
<td>12kg</td>
<td>216</td>
<td>77</td>
</tr>
<tr>
<td></td>
<td>10kg</td>
<td>374</td>
<td>109</td>
</tr>
<tr>
<td></td>
<td>30kg</td>
<td>159</td>
<td>25</td>
</tr>
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</table>

**Wall installation**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>T6L</td>
<td>2kg</td>
<td>234</td>
<td>152</td>
</tr>
<tr>
<td></td>
<td>6kg</td>
<td>61</td>
<td>77</td>
</tr>
<tr>
<td></td>
<td>10kg</td>
<td>30</td>
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<tr>
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<td>3kg</td>
<td>293</td>
<td>510</td>
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<tr>
<td></td>
<td>5kg</td>
<td>89</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>12kg</td>
<td>43</td>
<td>19</td>
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<td>10kg</td>
<td>72</td>
<td>245</td>
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<tr>
<td></td>
<td>30kg</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Vertical installation**

### Static loading moment

**Controller**

- **SR1-X**
  - SR1-X005
  - Programming / IO point brake / Remote control
  - RCB211
  - RCB212
  - RCB340
  - RCB333

- **TS-X**
  - TS-X100
  - TS-X205
  - SJ331

### Specifications

- **AC servo motor output (W)**: 60 W
- **Repeatability (mm)**: ±0.02
- **Deceleration mechanism**: Ball screw 012
- **Ball screw lead (mm)**: 20, 12, 6
- **Maximum speed (mm/sec)**: 10, 12, 30
- **Maximum payload (kg)**: Vertical: 51, 85, 170

### Note

1. The model with a lead of 20mm cannot select specifications with brake (vertical specifications).
2. The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable. See P.614 for details on robot cable.
3. See P.522 for DIN rail mounting bracket.
4. Select this selection when using the gateway function. For details, see P.66.

### Table

<table>
<thead>
<tr>
<th>Model</th>
<th>Effective stroke</th>
<th>Maximum speed for each stroke</th>
<th>Lead 20</th>
<th>Lead 12</th>
<th>Lead 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>T6L</td>
<td>911+3</td>
<td>2.4</td>
<td>1333</td>
<td>890</td>
<td>400</td>
</tr>
</tbody>
</table>

### Notes

1. Stop positions are determined by the mechanical stoppers at both ends.
2. Minimum bend radius of motor cable is R30. Weight of models with no brake. The weight of brake-attached models is 0.2 kg heavier than the models without brake shown in the table.
3. Brake effect must be considered when the stroke is longer than 600mm, 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 at the left.