### Ordering method

<table>
<thead>
<tr>
<th>Model</th>
<th>Lead type</th>
<th>Motor installed on right</th>
<th>Motor installed on left</th>
</tr>
</thead>
<tbody>
<tr>
<td>S2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Basic specifications

- **Motor**: 420:Step motor
- **Resolution (Pulse/rotation)**: 20480
- **Repeatability (mm)**: ±0.002
- **Deceleration mechanism**: Ball screw φ8 (Class C10)
- **Maximum motor torque (N.m)**: 0.27
- **Ball screw lead (mm)**: 1.2, 1.6, 2.0
- **Maximum speed (mm/sec)**: 600, 300, 100
- **Maximum payload (kg)**: 2, 4, 6
- **Max. pressing force (N)**: 45, 90, 150
- **Stroke (mm)**: 50 to 400 (50mm pitch)
- **Overall length (mm)**: Stroke + 261
- **Maximum outside dimension of body cross-section (mm)**: W49 × H59

### Motor installation (Space-saving model)

- **L type**: Motor installed on right
- **R type**: Motor installed on left

### Allowable overhang

- **Horizontal installation** (mm): 1kg 807, 2kg 607, 4kg 567, 6kg 469
- **Vertical installation** (mm): 1kg 174, 2kg 149, 4kg 129

### Static loading moment

- **Horizontal** (Unit: mm): 1kg 129, 2kg 118, 4kg 118
- **Vertical** (Unit: mm): 1kg 223, 2kg 214, 4kg 214

### Controller

- **Operation method**:
  - TS-S2: I/O point trace
  - TS-SH: Remote command
  - TS-SD: Pulse train control

---

### CE compliance

- Origin on the non-motor side is selectable

---

### Note 1

- If changing from the origin position at the time of purchase, the machine reference amount must be reset. For details, refer to the manual.

### Note 2

- The robot cable is flexible and resists bending. Secure the cable with a tie-band 100mm or less from unit’s end face to prevent the cable from being subjected to excessive loads.

### Note 3

- The cable’s minimum bend radius is R30.

### Note 4

- These are the weights without a brake. The weights are 0.2kg heavier when equipped with a brake.
## SS04 Space-saving model

### SS04 Specifications

<table>
<thead>
<tr>
<th>Effective stroke</th>
<th>50</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>300</th>
<th>350</th>
<th>400</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>L</strong></td>
<td>187</td>
<td>237</td>
<td>287</td>
<td>337</td>
<td>387</td>
<td>437</td>
<td>487</td>
<td>537</td>
</tr>
<tr>
<td><strong>A</strong></td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td><strong>B</strong></td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td><strong>C</strong></td>
<td>100</td>
<td>150</td>
<td>200</td>
<td>250</td>
<td>300</td>
<td>350</td>
<td>400</td>
<td>450</td>
</tr>
<tr>
<td><strong>Weight (kg)</strong></td>
<td>1.2</td>
<td>1.4</td>
<td>1.5</td>
<td>1.6</td>
<td>1.7</td>
<td>1.8</td>
<td>1.9</td>
<td>2.1</td>
</tr>
</tbody>
</table>

### Notes

1. Effective stroke: 50 100 150 200 250 300 350 400
2. Stop positions are determined by the mechanical stoppers at both ends.
3. Secure the cable with a tie-band 80mm or less from unit’s end face to prevent the cable from being subjected to excessive loads.
4. These are the weights without a brake. The weights are 0.2kg heavier when equipped with a brake.
5. The belt cover’s left and right sides are asymmetrical. Therefore, if the motor mounting orientation is changed, the cover cannot be attached.