### Ordering method

<table>
<thead>
<tr>
<th>Model</th>
<th>Lead</th>
<th>Motor</th>
<th>Brake</th>
<th>Origin position</th>
<th>Stroke</th>
<th>Cable length</th>
<th>Speed vs. payload</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR05</td>
<td>2m</td>
<td>YA</td>
<td>-</td>
<td>End of body</td>
<td>100</td>
<td>50</td>
<td>Horizontal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Vertical</td>
</tr>
</tbody>
</table>

Note 1. See P.153 for grease gun nozzles.
Note 2. When “2mm Lead” is selected, the origin position cannot be changed (to non-motor side).
Note 3. If changing from the origin position at the time of purchase, the machine reference amount must be reset. For details, refer to the manual.

### Basic specifications

- **Motor** (Pulse/rotation): 20480
- **Resolution**: 0.1mm or less
- **Maximum speed**: 10
- **Maximum payload**: 20
- **Overall length**: W56.4 × H71

Note 1. The maximum speed needs to be changed in accordance with the payload. See the “Speed vs. payload” graph shown on the right. For details, see P. 152.

### Motor installation (Space-saving model)

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

### Running life

5000 km on models other than shown below. Running life of only the model shown below becomes shorter than 5000 km depending on the payload, so check the running life curve.

### Controller

- **Controller**: TS-S2, TS-SH
- **Operation method**: I/O point trace / Remote command

### Controller

- **Controller**: TS-S2, TS-SH
- **Operation method**: I/O point trace / Remote command

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Note 1. It is possible to apply only the axial load. Use the external guide together so that any radial load is not applied to the rod.
Note 2. The orientation of the width across flat part is undefined to the base surface.
Note 3. Use the support guide together to maintain the straightness. For details, refer to the manual.
Note 5. When installing on 2mm specification, the origin on the non-motor side cannot be set. For details, refer to the manual.
Note 6. The robot cable is flexible and resists bending. For details, refer to the gateway function. For details, see P.66.
Note 7. Remove the M4 hex. socket head cap set bolts and use them to secure the cables. (Effective screw thread depth 5)
Note 8. The cable’s minimum bend radius is R30.
Note 9. When the lead is 2mm, this dimension is 27mm.
Note 10. Models with a brake will be 0.2kg heavier.
Note 11. Distance to mechanical stopper.
SR05 Space-saving model (motor installed on right) 

* Contents of option: Plate, 2 pcs., Nut, 8 pcs. See our robot manuals for additional settings.

* Contents of option: Plate, 2 pcs., Nut, 8 pcs. See our robot manuals for additional settings.

Effective stroke 50 100 150 200 250 300
L1 183 233 283 333 383 433
L 277.5 277.5 327.5 377.5 427.5 477.5
Weight (kg)****
2.4 2.8 3.2 3.5 3.9 4.3

Note 1. It is possible to apply only the axial load.
Note 2. Use the external guide together so that any radial load is not applied to the rod.
Note 3. Use the support guide together to maintain the straightness.
Note 4. When running the cables, secure cables so that any load is not applied to them.
Note 5. Remove the M4 hex. socketed cap set bolts and use them to secure the cables. (Effective screw thread depth 5)
Note 6. The cable’s minimum bend radius is R30.
Note 7. Models with a brake will be 0.2kg heavier.
Note 8. Distance to mechanical stopper.
Note 9. For lead 2mm specifications, the origin on the non-motor side cannot be set.
Note 10. This unit can be installed with the motor facing up (turned 90 degrees from the position in this drawing).
Note 11. Take great care as the outer case of the motor and cover belt projects from the bottom of the main unit.
Note 12. When the lead is 2mm, this dimension is 27mm.

SR05 Space-saving model (motor installed on left) 

* Contents of option: Plate, 2 pcs., Nut, 8 pcs. See our robot manuals for additional settings.

* Contents of option: Plate, 2 pcs., Nut, 8 pcs. See our robot manuals for additional settings.

Effective stroke 50 100 150 200 250 300
L1 183 233 283 333 383 433
L 277.5 277.5 327.5 377.5 427.5 477.5
Weight (kg)****
2.4 2.8 3.2 3.5 3.9 4.3

Note 1. It is possible to apply only the axial load.
Note 2. Use the external guide together so that any radial load is not applied to the rod.
Note 3. Use the support guide together to maintain the straightness.
Note 4. When running the cables, secure cables so that any load is not applied to them.
Note 5. Remove the M4 hex. socketed cap set bolts and use them to secure the cables. (Effective screw thread depth 5)
Note 6. The cable’s minimum bend radius is R30.
Note 7. Models with a brake will be 0.2kg heavier.
Note 8. Distance to mechanical stopper.
Note 9. For lead 2mm specifications, the origin on the non-motor side cannot be set.
Note 10. This unit can be installed with the motor facing up (turned 90 degrees from the position in this drawing).
Note 11. Take great care as the outer case of the motor and cover belt projects from the bottom of the main unit.
Note 12. When the lead is 2mm, this dimension is 27mm.