SR05 Rod type

Ordering method

<table>
<thead>
<tr>
<th>Model</th>
<th>Lead</th>
<th>Motor</th>
<th>Deceleration mechanism</th>
<th>Stroke (mm)</th>
<th>Maximum speed (mm/s)</th>
<th>Maximum payload (kg)</th>
<th>Max. pressing force (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR05-S</td>
<td>L</td>
<td>55 ° 2-step motor</td>
<td>Ball screw lead (12mm)</td>
<td>50 to 300</td>
<td>120 to 300</td>
<td>50 to 300</td>
<td>50 to 300</td>
</tr>
<tr>
<td>SR05-R</td>
<td>R</td>
<td>55 ° 2-step motor</td>
<td>Ball screw lead (12mm)</td>
<td>50 to 300</td>
<td>120 to 300</td>
<td>50 to 300</td>
<td>50 to 300</td>
</tr>
</tbody>
</table>

Motor installation (Space-saving model)

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

Motor specifications

- 55 ° 2-step motor
- Deceleration mechanism: Ball screw lead (12mm)
- Stroke: 50 to 300
- Maximum speed: 120 to 300
- Maximum payload: 50 to 300
- Max. pressing force: 50 to 300

Speed vs. payload

- Vertical
- Horizontal

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
SR05 Space-saving model (motor installed on right) R

SR05 Space-saving model (motor installed on left) L

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 the cables, secure cables so that any load is not applied to them.

Note 5. The cable’s minimum bend radius is R30.

Note 6. Models with a brake will be 0.2kg heavier.

Note 7. Distance to mechanical stopper.

Note 8. For lead 2mm specifications, the origin on the non-motor side cannot be set.

Note 9. The orientation of the width across flat part is undefined to the base surface.

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.

Controller: TS-S2 > 490, TS-SH > 490, TS-SD > 500