SR04 Rod type

◆ CE compliance
◆ Origin on the non-motor side is selectable: Lead 6, 12

### Ordering method

<table>
<thead>
<tr>
<th>Model</th>
<th>Lead 6</th>
<th>Lead 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR04-S</td>
<td>S R 04 - S</td>
<td>S R 04 - R</td>
</tr>
<tr>
<td>SR04-R</td>
<td>R 04 - R</td>
<td>R 04 - R</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>SR04-S</th>
<th>SR04-R</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR04-S</td>
<td>S R 04 - S</td>
<td>S R 04 - R</td>
</tr>
<tr>
<td>SR04-R</td>
<td>R 04 - R</td>
<td>R 04 - R</td>
</tr>
</tbody>
</table>

Note 1. See P.129 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

<table>
<thead>
<tr>
<th>Motor</th>
<th>42 [×] Step motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution (Pulse/rotation)</td>
<td>20480</td>
</tr>
<tr>
<td>Repeatability (mm)</td>
<td>+/- 0.02</td>
</tr>
<tr>
<td>Deceleration mechanism</td>
<td>Ball screw g-1 (Class C10)</td>
</tr>
<tr>
<td>Ball screw lead (mm)</td>
<td>17 10 12</td>
</tr>
<tr>
<td>Maximum speed (mm/min)</td>
<td>500 250 60</td>
</tr>
<tr>
<td>Payload (kg)</td>
<td>25 40 60</td>
</tr>
<tr>
<td>Max. pressing force (N)</td>
<td>100 300 600</td>
</tr>
<tr>
<td>Stroke (mm)</td>
<td>50 to 300 (bipitch)</td>
</tr>
<tr>
<td>Lead motor</td>
<td>F 170 at 60</td>
</tr>
<tr>
<td>Motor installation (Space-saving model)</td>
<td>L type Motor installed on right</td>
</tr>
<tr>
<td></td>
<td>L type Motor installed on left</td>
</tr>
</tbody>
</table>

### Speed vs. payload

- **Horizontal**
  - Lead 2
  - Lead 6
  - Lead 12

- **Vertical**
  - Lead 2
  - Lead 6
  - Lead 12

### 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**

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

**Stop**

- **I/O cable**
  - TS-SD Pulse train control
  - TS-SH Controller Operation method

**Robot driver I/O**

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

**Function**

- **Robot driver I/O cable**
  - TS-SD Pulse train control
  - TS-SH Controller Operation method
  - TS-SD Pulse train control

**Controller**

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

**Function**

- **Robot driver I/O cable**
  - TS-SD Pulse train control
  - TS-SH Controller Operation method
  - TS-SD Pulse train control

**Controller**

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