**T5LH**

- **High lead**: Lead 20
- **Origin on the non-motor side is selectable**
- **Controller**: 100V / 200V

### Ordering method

**T5LH**

<table>
<thead>
<tr>
<th>Model</th>
<th>Lead</th>
<th>Brake</th>
<th>Origin position change</th>
<th>Grease type</th>
<th>Stroke</th>
<th>Cable length (mm)</th>
<th>Stroke</th>
<th>Single-axis or bi-axis</th>
<th>TEV-10C Wire-mesh cage</th>
<th>TEV-10K Flexible cable</th>
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<td>CLEAN CONTROLLER INFORMATION</td>
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</table>

### Specifications

**AC servo motor output (W)**: 30

- **Repeatability (mm/rotation)**: ±0.02

- **Deceleration mechanism**: Ball screw (20) (C130).

- **Ball screw (lead)**: 12 (C130).

- **Ball screw (stroke)**: 172.5 (C130).

- **Maximum dimensions (cross section of main unit (mm))**: W55×H55

- **Cable length (mm)**: Standard: 3.5 / Option: 0.5

- **Linear guide type**: 2 rows of gothic arch grooves × 1 rail

- **Position detector**: Resolver

- **Resolution (Pulse/rotation)**: 16384

- **Position detector**: Resolvers

Note 1. Positioning repeatability is one direction.

Note 2. 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.

Note 3. Position detectors (readers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications.

### Allowable overhang

#### Vertical installation

**Effective stroke**: 745.5

**Effective stroke**: 745.5

**Mounting hole (mm)**: 3.5

**Mounting hole (mm)**: 3.5

**Installation hole (mm)**: 55

**Installation hole (mm)**: 55

**Weight (kg)**:

<table>
<thead>
<tr>
<th>Lead</th>
<th>Weight (kg)</th>
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<tbody>
<tr>
<td>20</td>
<td>1.9</td>
</tr>
<tr>
<td>60</td>
<td>4.7</td>
</tr>
<tr>
<td>120</td>
<td>6.5</td>
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</tbody>
</table>

**Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.**

### Static loading moment

**Rated thrust (N)**: 50 to 800 (50mm pitch)

**Stroke (mm)**: 250

**Repeatability**: Standard: 3.5 / Option: 5,10

**Cable length (m)**: 20

**Deceleration mechanism**: AC servo motor output (W)

- **AC servo motor output (W)**: 30

- **Resolution (Pulse/rotation)**: 16384

- **Position detector**: Resolvers

### Controller

**Controller**: SR1-X

- **Operation method**: Programming / I/O point trace / Remote command / Operation using RS-232C communication

**Controller**: TS-X

- **Operation method**: Programming / I/O point trace / Remote command / Operation using RS-232C communication

**Controller**: RDV-X

- **Operation method**: Pulse train control

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**Note 1.** Step positions are determined by the mechanical stoppers at both ends.

**Note 2.** Minimum bend radius of motor cable is R30.

**Note 3.** Weight of models with no brake. The weight of brake-attached models is 0.2 kg heavier than the models with no brake shown in the table.

**Note 4.** The under-head length of the hex socket-head bolt (M4×0.7) to be used for the installation work is 15mm or less.

**Note 5.** 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.

**Note 6.** External view of T5LH is identical to T5L.