### Ordering method

**T5L**

- **Model**: Lead designation
- **Model**: Lead position change
- **Model**: Grease type
- **Model**: Stroke
- **Model**: Cable length
- **Model**: Controller

**Specifications**

- **AC servo motor output (W)**: 30
- **Repeatability (mm)**: ±0.02
- **Deceleration mechanism**: Ball screw μ12
- **Ball screw lead (mm)**: 20, 12, 6
- **Maximum speed (mm/sec)**: 800, 400
- **Rated Thrust (N)**: 2kg
- **Stroke (mm)**: 50 to 800 (50mm pitch)
- **Maximum dimensions of main unit (mm)**: W5×H6×D5
- **Cable length (m)**: Standard: 3.5 / Option: 1, 5, 10
- **Position detector**: Resolvers
- **Resolution (Pulse/rotation)**: 16384

**Allowable overhang**

- **Horizontal installation**
  - (Unit: mm)
  - A: 1kg 600 323 683
  - B: 3kg 675 103 247
  - C: 5kg 179 159 406

- **Wall installation**
  - (Unit: mm)
  - A: 1kg 600 291 600
  - B: 3kg 215 73 589
  - C: 5kg 368 127 1082

- **Vertical installation**
  - (Unit: mm)
  - A: 1.2kg 242 240
  - B: 2.4kg 113 113

**Static loading moment**

- **MY**: 30
- **MP**: 34
- **MR**: 40

**Controller**

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

**T5L**

- **Approx. 250 (Motor cable length)**
  - 127+/-3
  - Effective stroke 74.5+/-3

- **Model**: When origin is on motor side
  - 73±2 (Note 1)

- **Effective stroke**: 74.5+/-3

- **Model**: When origin is on non-motor side
  - 20.5+/-2 (Note 1)

- **Model**: 108+/-2 (with brakes) (Note 1)

- **Model**: 251.5+/-0.02

- **Model**: 30-150

- **Model**: 5kg 555 59 155

- **Model**: 9kg 1271 30 445

- **Model**: 3kg 1408 104 294

- **Model**: 9kg 628 31 89

- **Model**: 3kg 263 73 970

- **Model**: 9kg 54 0 400

**Note 1**: 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 below.

**Note 2**: Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000km.

**Note 3**: Service life is calculated for 600mm stroke models.

**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 at the left.

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