Motor

SRD03

Rod type (With support guide)

CE compliance

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

### Ordering method

Basic specifications

Resolution (Pulse/rotation)

**Deceleration mechanism** 

Repeatability (mm)

SRD03 - Lead
12: 12mm
06: 6mm
U: Space-saving mc

Note 1. See P.337 for grease gun nozzles.

Note 2. If changing from the origin position at the time of purchase, the machine reference amount must be reset. For details, refer to the manual.

42 Step motor

20480

+/-0.02

Ball screw φ8

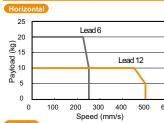
Note 3. The robot cable is flexible and resists bending. Note 4. See P.600 for DIN rail mounting bracket.

Stroke

(50mm pitch)

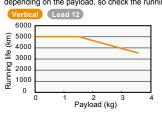
Note 4. See P.600 for DIN rail mounting bracket. Note 5. Select this selection when using the gateway function.

# function. Speed vs. payload



# 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.



SRD03-S

**S2** 

SH

SD

PN: PNF

N: PNF

GW: No I/O board

Note. See P.337 for running life distance to life time conversion example.

SRD03-U

With batte

(Absolute)

(Incremental)

## Controller

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

Controller Operation method
TS-SD Pulse train control

#### Ball screw lead (mm) 12 6 Maximum speed Note 1 (mm/sec) 500 250 Horizontal 10 20 Maximum payload (kg) Vertical 3.5 7.5 Max. pressing force (N) 75 100 50 to 200 (50pitch) Stroke (mm) Lost motion 0.1mm or less Rotating backlash (°) +/-0.05 Overall length Horizontal Stroke+236.5 Vertical Stroke+276.5 Maximum outside dimension of body cross-section (mm) W48 × H56.5 Standard: 1 / Option: 3, 5, 10 Cable length (m) 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. 336. SRD03 Straight model See Note 3

