SRD04

Rod type (With support guide)

● CE compliance

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

ad 6, 12

Stroke

50 to 300 (50mm pitch)



Ordering method

	<u> </u>	<u> </u>	
SRD04	-		-
Model	Lead	Model	Brake
	12: 12mm	S: Straight model	N: With no brake
	06: 6mm	U: Space-saving model Note 1	B: With brake
	02: 2mm	(motor installed on top)	

Note 1. See P.129 for grease gun nozzles.

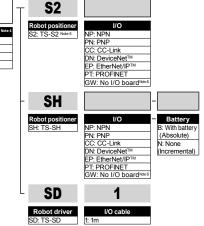
Note 2. When "2mm lead" is selected, the origin position cannot be changed (to non-motor side).

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.

Note 4. The robot cable is flexible and resists bending.

Note 5. See P.498 for DIN rail mounting bracket.

Note 6. Select this selection when using the gateway function. For details, see P.60.



Basic specifications

Motor		42 ☐ Step motor		
Resolution (Pulse/rotation)		20480		
Repeatability (mm)		+/-0.02		
Deceleration mechanism		Ball screw φ8 (Class C10)		Ball screw φ10 (Class C10)
Ball screw lead (mm)		12	6	2
Maximum speed	Note 1 (mm/sec)	500	250	80
Maximum payload (kg)	Horizontal	25	40	45
	Vertical	4	11	24
Max. pressing force (N)		150	300	600
Stroke (mm)		50 to 300 (50pitch)		
Lost motion		0.1mm or less		
Rotating backlash (°)		+/-0.05		
Overall length (mm)	Horizontal	Stroke+263		
	Vertical	Stroke+303		
Maximum outside dimension of body cross-section (mm)		W48 × H58		
Cable length (m)		Standard: 1 / Option: 3, 5, 10		
Note 1. The maximum speed needs to be changed in				

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. 128.

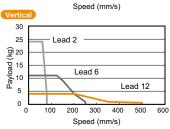
Additionally, when the stroke is long, the maximum speed is decreased due to the critical speed of the ball screw.

See the maximum speed table shown at the lower portion of the drawing.

Speed vs. payload

N: Standard Note 3
Z: Non-motor side

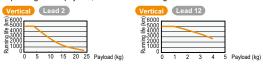




Running life

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.



Note. See P.129 for running life distance to life time conversion example.

Controller

to them.

Note 4. Remove the M4 hex. socket head cap set bolts and use them to secure

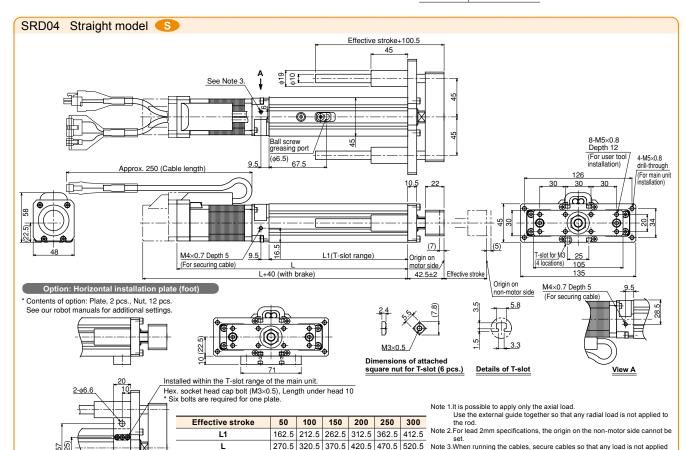
Note 5. The cables. (Effective screw thread days to to the cables. (Effective screw thread days to to the cable's minimum bend radius is R30.

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

Note 7.Distance to mechanical stopper

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

Controller	Operation method
TS-SD	Pulse train control



3.3 3.7

440 320

220 160

72

Weight (kg)

Lead 12

Lead 6

Lead 2

Maximum beed for each stroke

(mm/sec)

-

Controller

2.0 | 2.4 | 2.7 | 3.0

500

250

80

