

SRD04

Rod type (With support guide)

● CE compliance

● Origin at non-motor side: Lead 6, 12



SRD04-S



SRD04-U

Ordering method

SRD04

Model	Lead	Model	Brake	Origin position	Bracket plate	Stroke	Cable length
	12: 12mm 06: 6mm 02: 2mm	S: Straight model J: Space-saving model (motor installed on top)	N: With no brake B: With brake	N: Standard Z: Non-motor side	N: No plate H: With plate	50 to 300 (50mm pitch)	1L: 1m 3L: 3m 5L: 5m 10L: 10m

S	I/O
Controller: S: TS-S	NP: NPN PN: PNP CC: CC-Link DN: DeviceNet

SD	1
Controller: SD: TS-SD	I/O cable: 1: 1m

Note 1. When "2mm lead" is selected, the origin position cannot be changed (to non-motor side).

Note 2. The robot cable is flexible and resists bending.

Note 3. See P.61 for grease gun nozzles.

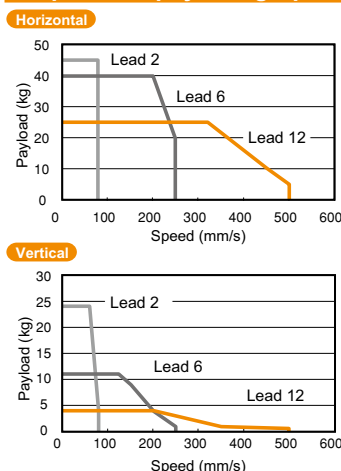
Note 4. See P.404 for DIN rail mounting bracket.

Basic specifications

Motor	42 □ Step motor		
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
	Vertical	4	11
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		

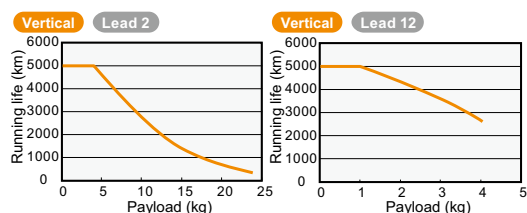
Note 1. Maximum speed varies with the payload. Maximum speed also decreases due to ball screw critical speed when the stroke is long. For more details, refer to the "Speed - payload" graphs on the right or the maximum speed shown in the lower right table.

Speed vs. payload graph



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.61 for running life distance to life time conversion example.

Controller

Controller	Operation method	Controller	Operation method
TS-S	I/O point trace / Remote command	TS-SD	Pulse train control

SRD04 Straight model S

