Rod type (With support guide)

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

Stroke

50 to 300 (50mm pitch)

10K: 10m

SRD05-S SRD05-U

Ordering method

<u> </u>	9 1110111	O G	
SRD05	-		
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)	

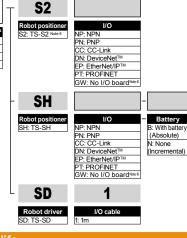
Note 1. See P.129 for grease gun nozzles.

- 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.



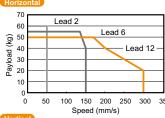
Basic specifications

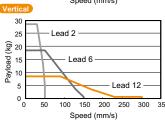
Motor		56	☐ Step n	notor	
Resolution (Pulse/rotation)		20480			
Repeatability (mm)		+/-0.02			
Deceleration mechanism		Ball screw φ12 (Class C10)			
Ball screw lead (mm)		12	6	2	
Maximum speed '	Note 1 (mm/sec)	300	150	50	
Maximum payload (kg)	Horizontal	50	55	60	
	Vertical	8.5	18.5	28.5	
Max. pressing force (N)		250	550	900	
Stroke (mm)		50 to 300 (50pitch)			
Lost motion		0.1mm or less			
Rotating backlash (°)		+/-0.05			
Overall length	Horizontal	Stroke+276			
(mm)	Vertical	Stroke+316			
Maximum outside dimension of body cross-section (mm)		W56.4 × H71			
Cable length (r	Cable length (m)		Standard: 1 / Option: 3, 5, 10		

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.

Speed vs. payload

N: Standard Note 3
Z: Non-motor side

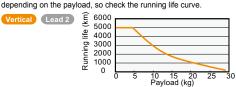




Effective stroke+107

Running life

5000 km on models other than shown below. Running life of only the model shown below becomes shorter than 5000 km



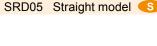
Note. See P.129 for running life distance to life time conversion example.

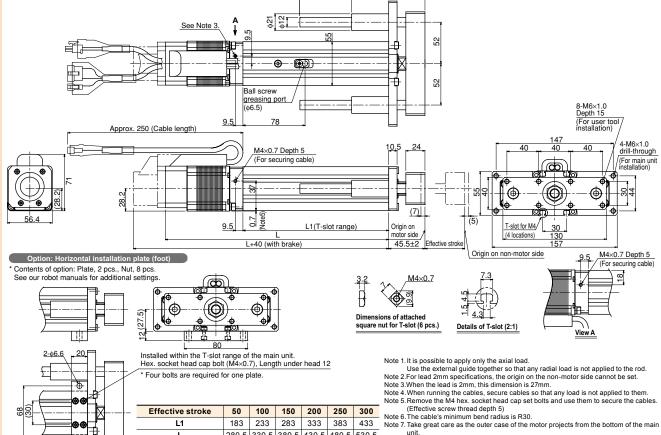
Controller

Note 8. Models with a brake will be 0.2kg heavier.

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

Controller	Operation method
TS-SD	Pulse train control





4.1 4.5 5.0 5.5

280.5 330.5 380.5 430.5 480.5 530.5

3.6

3.1

Weight (kg) Note 8

Controller

