Rod type

CE compliance

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

N: With no brake

■ Ordering method

SR05 Lead : 12mm S: Straight model R: Space-saving model Note 1 (motor installed on right) B: With brake : Space-saving model Not (motor installed on left)

Note 1. See P.153 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.

Stroke

(50mm pitch)

50 to 300

Note 5. See P.522 for DIN rail mounting bracket.

Note 6. Select this selection when using the gateway function. For details, see P.66.

PN: PNF GW: No I/O board[№] SH B: With batte PN: PNF (Absolute) (Incremental) SD

SR05-R

Basic specifications

Motor		56 ☐ Step motor		
Resolution (Pulse/rotation)		20480		
Repeatability (mm)		+/-0.02		
Deceleration mechanism		Ball screw ф12		
Ball screw lead (mm)		12	6	2
Maximum speed Note 1 (mm/sec)		300	150	50
Maximum	Horizontal	50	55	60
payload (kg)	Vertical	10	20	30
Max. pressing force (N)		250	550	900
Stroke (mm)		50 to 300 (50pitch)		
Lost motion		0.1mm or less		
Rotating backlash (°)		+/-1.0		
Overall length	Horizontal	Stroke+276		
(mm)	Vertical	Stroke+316		
Maximum outside dimension of body cross-section (mm)		W56.4 × H71		
Cable length (m)		Standard: 1 / Option: 3, 5, 10		
Note 1. The mayimum around needs to be abouted in				

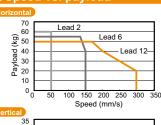
Note 1. The maximum speed needs to be changed in accordance with the payload.

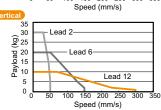
See the "Speed vs. payload" graph shown on the right. For details, see P. 152.

Speed vs. payload

Origin position Note 2

N: Standard Note 3
Z: Non-motor side





Running life

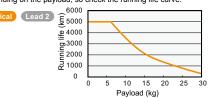
5000 km on models other than shown below.

SR05-S

Cable length N

S2

Running life of only the model shown below becomes shorter than 5000 km depending on the payload, so check the running life curve.



Motor installation (Space-saving model)





Note. See P.153 for running life distance to life time conversion example.

