With batte

SR03-S SR03-R

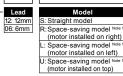
CE compliance

Origin on the non-motor side is selectable

Rod type

Ordering method











Note 3. The robot cable is flexible and resists bending.

Note 4. See P.634 for DIN rail mounting bracket. Note 5. Select this selection when using the gateway function. For details, see P.96.

Lead 6

00 300 400 Speed (mm/s)

Lead 12

Lead 6

Speed vs. payload

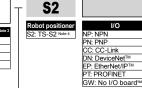
25

15 Payload (0

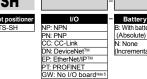
(g) 20

Payload (kg)





SH



SD



Note 1. See P.255 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.

Basic specifications

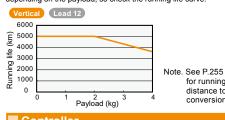
Motor		42 Step motor			
Resolution (Pulse/rotation)		20480			
Repeatability (mm)		+/-0.02			
Deceleration mechanism		Ball screw φ8			
Ball screw lead (mm)		12	6		
Maximum speed Note 1 (mm/sec)		500	250		
Maximum payload (kg)	Horizontal	10	20		
	Vertical	4	8		
Max. pressing force (N)		75	100		
Stroke (mm)		50 to 200 (50pitch)			
Lost motion		0.1mm or less			
Rotating backlash (°)		+/-1.0			
Overall length	Horizontal	Stroke+236.5			
(mm)	Vertical	Stroke+276.5			
Maximum outside dimension of body cross-section (mm)		W48 × H56.5			
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.

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.



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

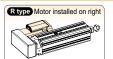
Controller	Operation method	
TS-SD	Pulse train control	

for running life

distance to life time

conversion example.

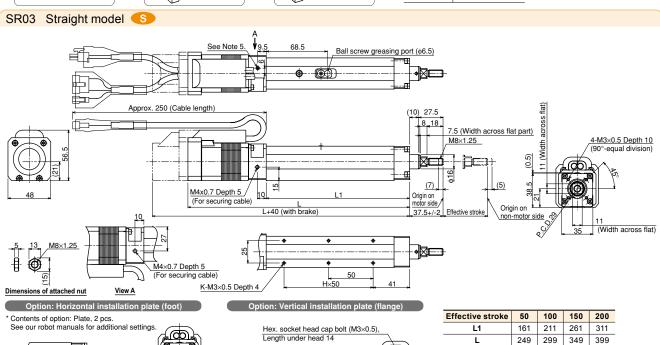
For details, see P. 254

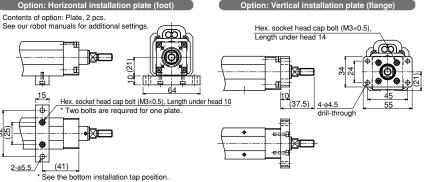






Speed (mm/s)





Effective stroke	50	100	150	200
L1	161	211	261	311
L	249	299	349	399
Н	2	3	4	5
K	6	8	10	12
Weight (kg) Note 7	1.1	1.3	1.4	1.6

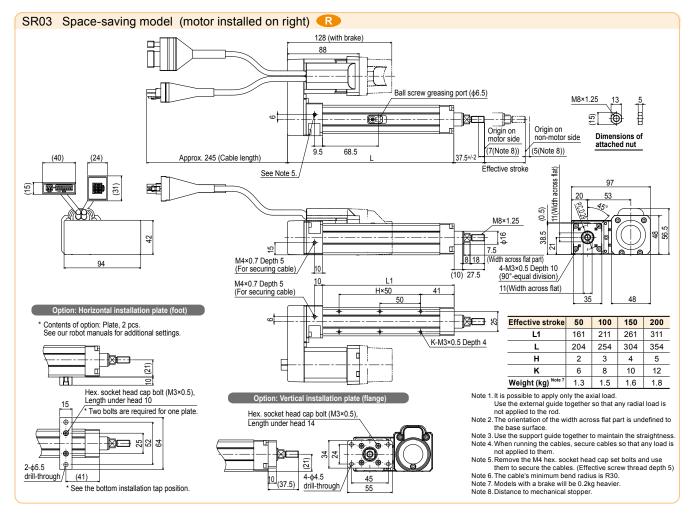
- Note 1. It is possible to apply only the axial load. Use the external guide together so that any radial load is not

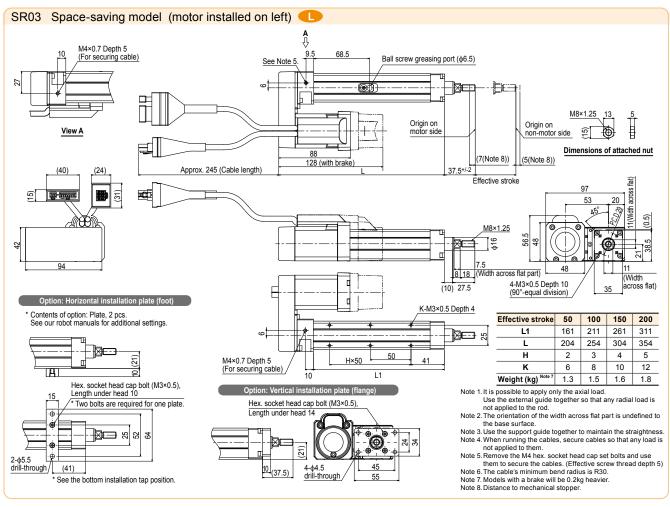
- Use the external guide together so that any radial load is not applied to the rod.

 Note 2. The orientation of the width across flat part is undefined to the base surface.

 Note 3. Use the support guide together to maintain the straightness.

 Note 4. When running the cables, secure cables so that any load is not
- applied to them.
- Note 5. Remove the M4 hex. socket head cap set bolts and use them to secure the cables. (Effective screw thread depth 5)
- Note 6. The cable's minimum bend radius is R30. Note 7. Models with a brake will be 0.2kg heavier. Note 8. Distance to mechanical stopper.





Controller

