With batte

(Absolute)

CE compliance Origin on the non-motor side is selectable

Rod type

Ordering method





Straight model Space-saving model Note 1 (motor installed on right) L: Space-saving model Note (motor installed on left)
U: Space-saving model Note (motor installed on top)

N: With no brake

e N: Standard Note 2 Z: Non-motor side

Note 4. See P.498 for DIN rail mounting bracket. Note 5. Select this selection when using the gateway function. For details, see P.60.

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

H: With plate V: With flange

Stroke 50 to 200 (50mm pitch)

PN: PNF DN: DeviceNet EP: EtherNet/I PT: PROFINE GW: No I/O board[№]

SH

S2

N: PNF

SD

Note 1. See P.129 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.

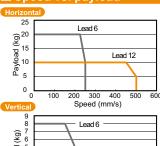
Basic specifications

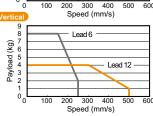
Motor		42 ☐ Step motor			
Resolution (Pulse/rotation)		20480			
Repeatability (mm)		+/-0.02			
Deceleration mechanism		Ball screw φ8 (Class C10)			
Ball screw lead (mm)		12	6		
Maximum speed Note 1 (mm/sec)		500	250		
Maximum payload (kg)	Horizontal	10	20		
	Vertical	4	8		
Max. pressing force (N)		75	100		
Stroke (mm)		50 to 200 (50pitch)			
Lost motion		0.1mm or less			
Rotating backlash (°)		+/-1.0			
Overall length Horizont		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 peeds 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.

Speed vs. payload

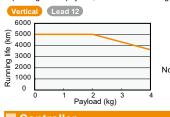




Running life

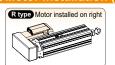
5000 km on models other than shown below.

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.

Motor installation (Space-saving model)



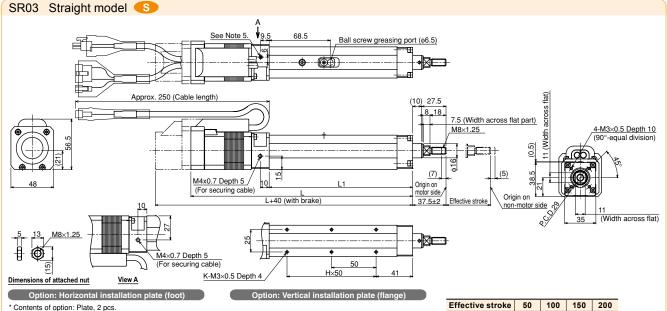


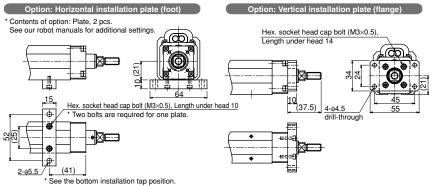


Controller

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

Controller	Operation method	
TS-SD	Pulse train control	





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.

