

■ Ordering method

SR03 Lead S: Straight model

Note 1. The robot cable is flexible and resists bending Note 2. See P.61 for grease gun nozzles. Note 3. See P.404 for DIN rail mounting bracket.

12: 12mm 06: 6mm R: Space-saving model Note 2 (motor installed on right) L: Space-saving model Note (motor installed on left) U: Space-saving model Note (motor installed on top)

B: With no brake

B: With brake

- Origin position

N: Standard

Z: Non-motor side

Stroke 50 to 200 (50mm pitch)

SR03-S

NP: NPN PN: PNP CC-Link

SR03-R

SD

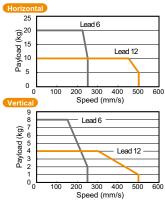
Controller	I/O ca
SD: TS-SD	1: 1m

■ Basic specifications						
Motor		42 Step motor				
Repeatability (mm)		+/-0.02				
Deceleration mechanism		Ball screw ф8 (Class C10)				
Ball screw lead (mm)		12	6			
Maximum speed Note 1 (mm/sec)		500	250			
Maximum	Horizontal	10	20			
payload (kg)	Vertical	4	8			
Max. pressing force (N)		75	100			
Stroke (mm) 50 to 200 (50pi		(50pitch)				
Lost motion		0.1mm or less				
Rotating backl	cklash (°) +/-1.0		1.0			
Overall length	Horizontal	Stroke+236.5				
(mm)	Vertical					
Maximum outside dimension		W40 × HE6 E				

Note 1. Maximum speed varies with the payload.

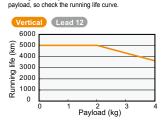
Refer to the "Speed vs. payload graphs" on the right

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

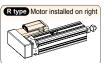


Note. See P.61 for running life distance to life time conversion example.

Motor installation (Space-saving model)

W48 × H56.5

Standard: 1 / Option: 3, 5, 10



of body cross-section (mm)

Cable length (m)

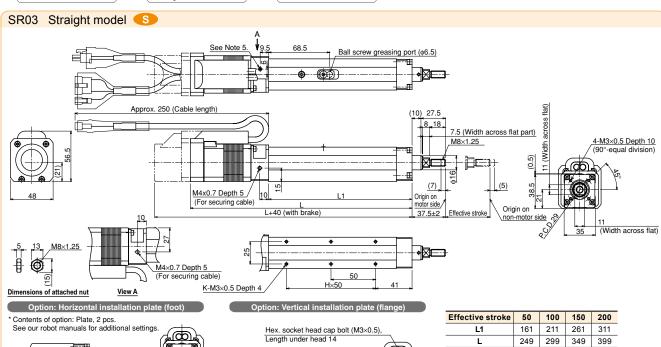


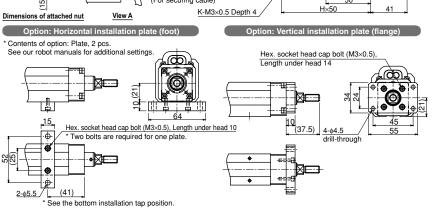


Controller

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

Controll	er 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

Note1. It is possible to apply only the axial load.

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

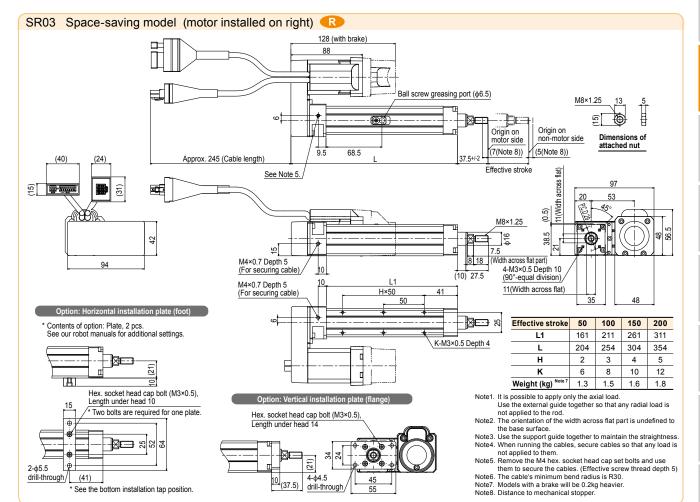
applied to the foliation of the width across flat part is undefined to the base surface.

Note3. Use the support guide together to maintain the straightness.

Note4. When running the cables, secure cables so that any load is not

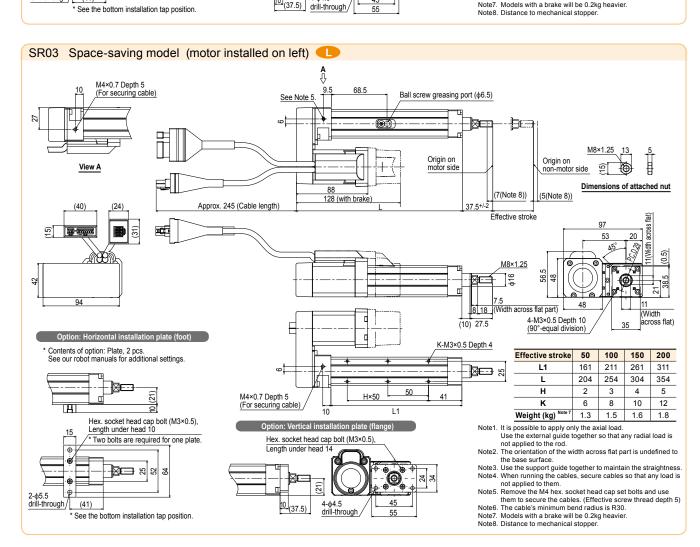
applied to them. Note5. Remove the M4 hex, socket head cap set bolts and use them to

Note: Nethode in White. Society leads age to loss and secure the cables, (Effective screw thread depth 5) Note6. The cable's minimum bend radius is R30. Note7. Models with a brake will be 0.2kg heavier. Note8. Distance to mechanical stopper.



drill-through/

(41)



Controller

