

# SR03 Rod type

- CE compliance
- Origin on the non-motor side is selectable



## Ordering method

### SR03

Model	Lead	Model	Brake	Origin position	Bracket plate	Stroke	Cable length
	12: 12mm 06: 6mm	S: Straight model R: Space-saving model (motor installed on right) L: Space-saving model (motor installed on left) U: Space-saving model (motor installed on top)	N: With no brake B: With brake	N: Standard Z: Non-motor side	N: No plate H: With plate V: With flange	50 to 200 (50mm pitch)	1K: 1m 3K: 3m 5K: 5m 10K: 10m

Note 1. See P.337 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.

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

Note 4. See P.600 for DIN rail mounting bracket.

Note 5. Select this selection when using the gateway function.

### S2

Robot positioner	I/O
S2: TS-S2	NP: PNP PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board

### SH

Robot positioner	I/O	Battery
SH: TS-SH	NP: PNP PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board	B: With battery (Absolute) N: None (Incremental)

### SD

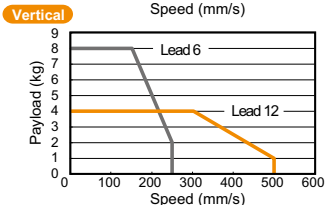
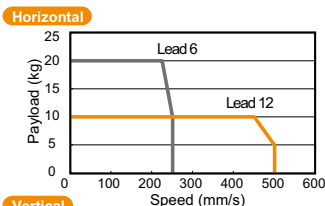
Robot driver	I/O cable
SD: TS-SD	1: 1m

## Basic specifications

Motor	42 □ Step motor
Resolution (Pulse/rotation)	20480
Repeatability (mm)	+/-0.02
Deceleration mechanism	Ball screw $\phi 8$
Ball screw lead (mm)	12
Maximum speed (mm/sec)	500
Maximum payload (kg)	Horizontal: 4 Vertical: 8
Max. pressing force (N)	75
Stroke (mm)	50 to 200 (50pitch)
Lost motion	0.1mm or less
Rotating backlash (°)	+/-1.0
Overall length (mm)	Horizontal: Stroke+236.5 Vertical: Stroke+276.5
Maximum outside dimension of body cross-section (mm)	W48 x H56.5
Cable length (m)	Standard: 1 / Option: 3, 5, 10

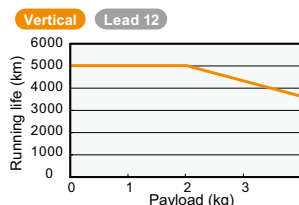
Note 1. The maximum speed needs to be changed in accordance with the payload.  
See the "Speed vs. payload" graph shown on the right.  
For details, see P. 336.

## Speed vs. payload



## Running life

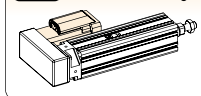
5000 km on models other than shown below.  
Running life of only the model shown below becomes shorter than 5000 km depending on the payload, so check the running life curve.



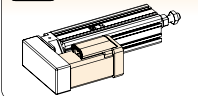
Note. See P.337 for running life distance to life time conversion example.

## Motor installation (Space-saving model)

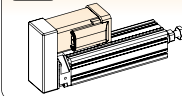
R type Motor installed on right



L type Motor installed on left



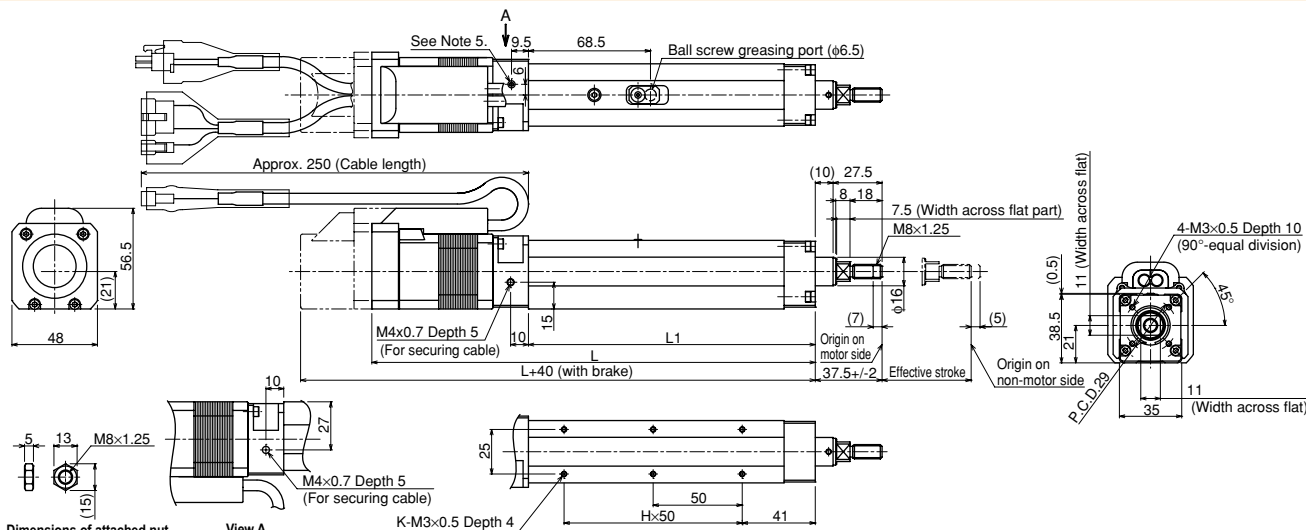
U type Motor installed on top



## Controller

Controller	Operation method	Controller	Operation method
TS-S2	I/O point trace / Remote command	TS-SD	Pulse train control

## SR03 Straight model S



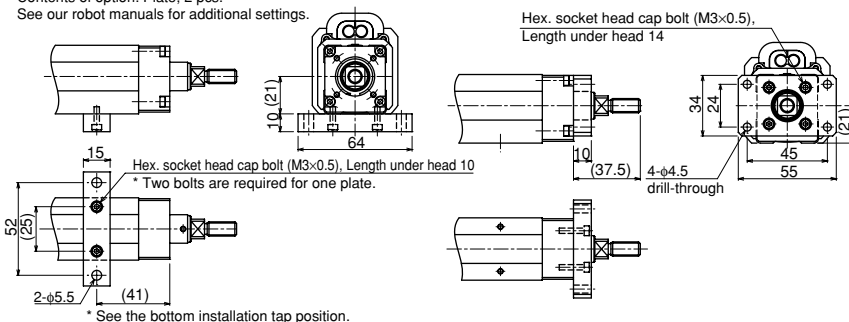
Dimensions of attached nut

View A

Option: Horizontal installation plate (foot)

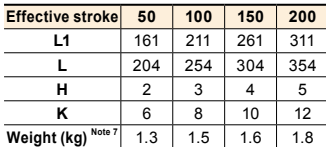
\* Contents of option: Plate, 2 pcs.  
See our robot manuals for additional settings.

Option: Vertical installation plate (flange)



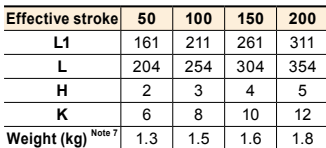
Effective stroke	50	100	150	200
L1	161	211	261	311
L	249	299	349	399
H	2	3	4	5
K	6	8	10	12
Weight (kg)	1.1	1.3	1.4	1.6

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



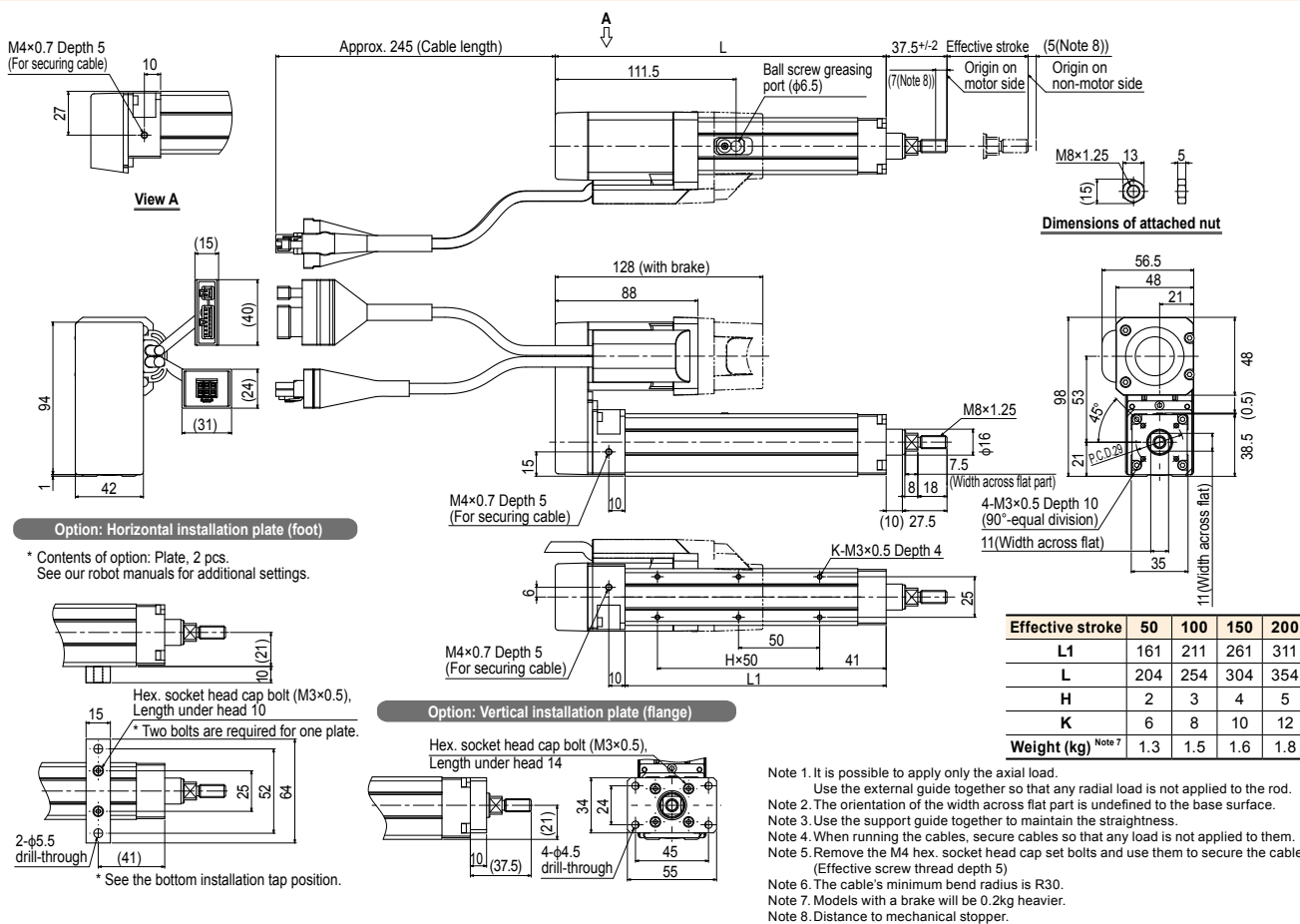
- Note 1. It is possible to apply only the axial load.
- Note 2. Use the external guide together so that any radial load is not applied to the rod.
- Note 3. The orientation of the width across flat part is undefined to the base surface.
- Note 3. Use the support guide together to maintain the straightness.
- Note 4. When running the cables, secure cap screws so that any load is not applied to them.
- Note 5. Remove the cable eye, 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.

L



- Note 1. 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.
- 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.

SR03 Space-saving model (motor installed on top) **U**



# SRD03

Rod type (With support guide)

CE compliance

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



## Ordering method

SRD03

Model	Lead	Model	Brake	Origin position	Bracket plate	Stroke	Cable length
	12: 12mm 06: 6mm	S: Straight model U: Space-saving model (motor installed on top)	N: With no brake B: With brake	N: Standard Z: Non-motor side	N: No plate H: With plate	50 to 200 (50mm pitch)	1K: 1m 3K: 3m 5K: 5m 10K: 10m

S2

Robot positioner  
S2: TS-S2

I/O  
NP: NPN  
PN: PNP  
CC: CC-Link  
DN: DeviceNet™  
EP: EtherNet/IP™  
PT: PROFINET  
GW: No I/O board

SH

Robot positioner  
SH: TS-SH

I/O  
NP: NPN  
PN: PNP  
CC: CC-Link  
DN: DeviceNet™  
EP: EtherNet/IP™  
PT: PROFINET  
GW: No I/O board

Battery  
B: With battery (Absolute)  
N: None (Incremental)

SD

Robot driver  
SD: TS-SD

I/O cable  
1: 1m

Note 1. See P.337 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.

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

Note 4. See P.600 for DIN rail mounting bracket.

Note 5. Select this selection when using the gateway function.

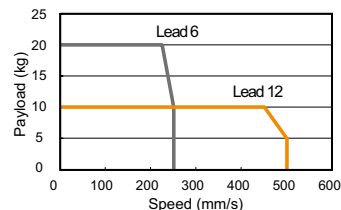
## Basic specifications

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 (mm/sec)	500      250
Maximum payload (kg)	Horizontal 10      20 Vertical 3.5      7.5
Max. pressing force (N)	75      100
Stroke (mm)	50 to 200 (50pitch)
Lost motion	0.1mm or less
Rotating backlash (°)	+/-0.05
Overall length (mm)	Horizontal Stroke+236.5 Vertical Stroke+276.5
Maximum outside dimension of body cross-section (mm)	W48 × H56.5
Cable length (m)	Standard: 1 / Option: 3, 5, 10

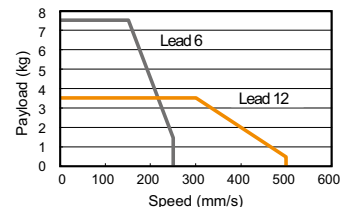
Note 1. The maximum speed needs to be changed in accordance with the payload.  
See the "Speed vs. payload" graph shown on the right.  
For details, see P. 336.

## Speed vs. payload

Horizontal



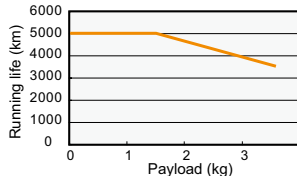
Vertical



## 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.

Vertical Lead 12

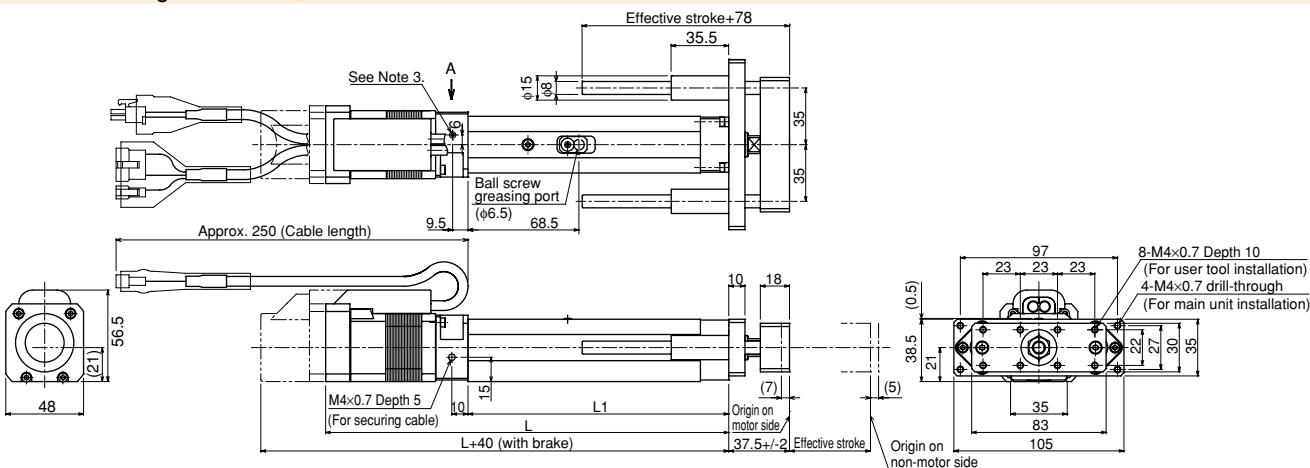


Note. See P.337 for running life distance to life time conversion example.

## Controller

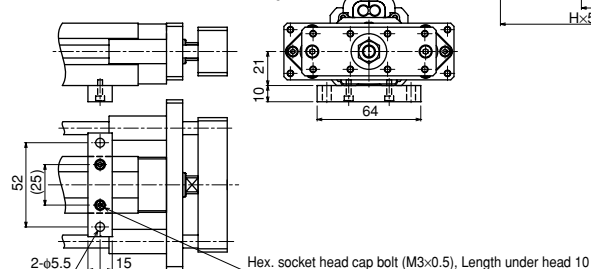
Controller	Operation method	Controller	Operation method
TS-S2	I/O point trace / Remote command	TS-SD	Pulse train control
TS-SH			

## SRD03 Straight model S



### Option: Horizontal installation plate (foot)

\* Contents of option: Plate, 2 pcs.  
See our robot manuals for additional settings.



Effective stroke	50	100	150	200
L1	161	211	261	311
L	249	299	349	399
H	2	3	4	5
K	6	8	10	12
Weight (kg)	1.5	1.7	1.9	2.1

Note 1. 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.

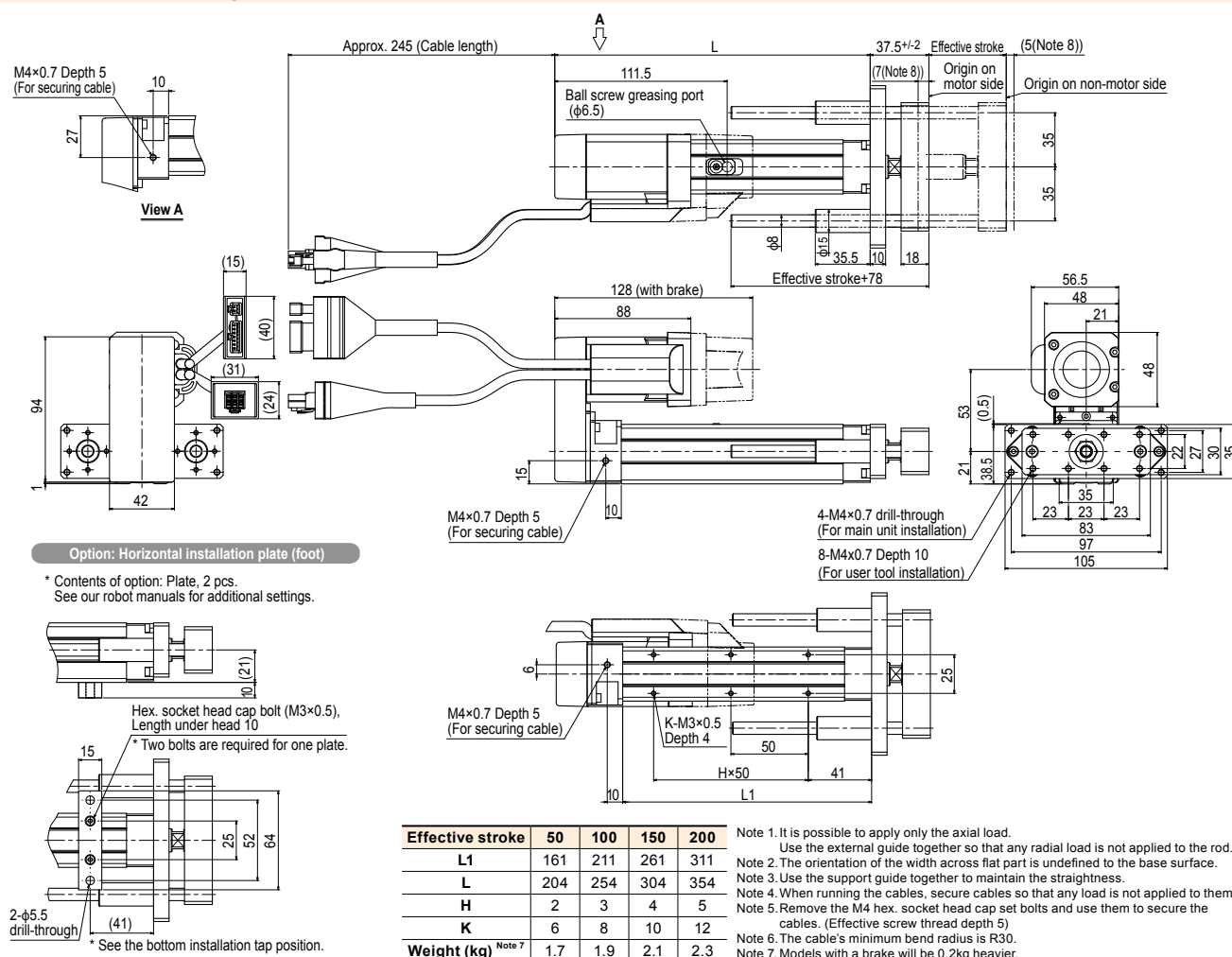
Note 2. When running the cables, secure cables so that any load is not applied to them.

Note 3. Remove the M4 hex. socket head cap set bolts and use them to secure the cables. (Effective screw thread depth 5)

Note 4. The cable's minimum bend radius is R30.

Note 5. Models with a brake will be 0.2kg heavier.

Note 6. Distance to mechanical stopper.

SRD03 Space-saving model (motor installed on top) **U**



# SR04 Rod type

CE compliance

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



## Ordering method

### SR04

Model	Lead	Model
	12: 12mm	S: Straight model
	06: 6mm	R: Space-saving model (motor installed on right)
	02: 2mm	L: Space-saving model (motor installed on left)

Brake	Origin position	Bracket plate	Stroke	Cable length
N: With no brake B: With brake	N: Standard Z: Non-motor side	N: No plate H: With plate V: With flange	50 to 300 (50mm pitch)	1K: 1m 3K: 3m 5K: 5m 10K: 10m

### S2

Robot positioner	I/O
S2: TS-S2	NP: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board

### SH

Robot positioner	I/O
SH: TS-SH	NP: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board

### SD

Robot driver	I/O cable
SD: TS-SD	1: 1m

Note 1. See P.337 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.

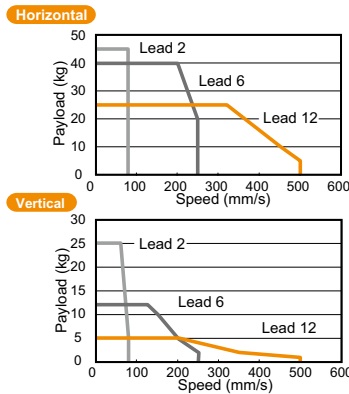
Note 4. The robot cable is flexible and resists bending.  
Note 5. See P.600 for DIN rail mounting bracket.  
Note 6. Select this selection when using the gateway function.

## Basic specifications

Motor	42 Step motor
Resolution (Pulse/rotation)	20480
Repeatability (mm)	+/-0.02
Deceleration mechanism	Ball screw $\phi 8$ Ball screw $\phi 10$
Ball screw lead (mm)	12 6 2
Maximum speed (mm/sec)	500 250 80
Maximum payload (kg)	25 40 45
Max. pressing force (N)	150 300 600
Stroke (mm)	50 to 300 (50pitch)
Lost motion	0.1mm or less
Rotating backlash (°)	+/-1.0
Overall length (mm)	Horizontal: Stroke+263 Vertical: Stroke+303
Maximum outside dimension of body cross-section (mm)	W48 x H58
Cable length (m)	Standard: 1 / Option: 3, 5, 10

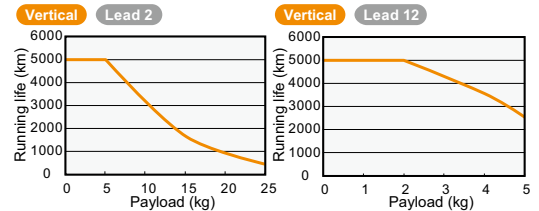
Note 1. The maximum speed needs to be changed in accordance with the payload.  
See the "Speed vs. payload" graph shown on the right. For details, see P. 336. Additionally, when the stroke is long, the maximum speed is decreased due to the critical speed of the ball screw. See the maximum speed table shown at the lower portion of the drawing.

## 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.

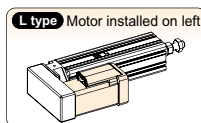
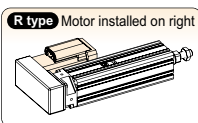


Note. See P.337 for running life distance to life time conversion example.

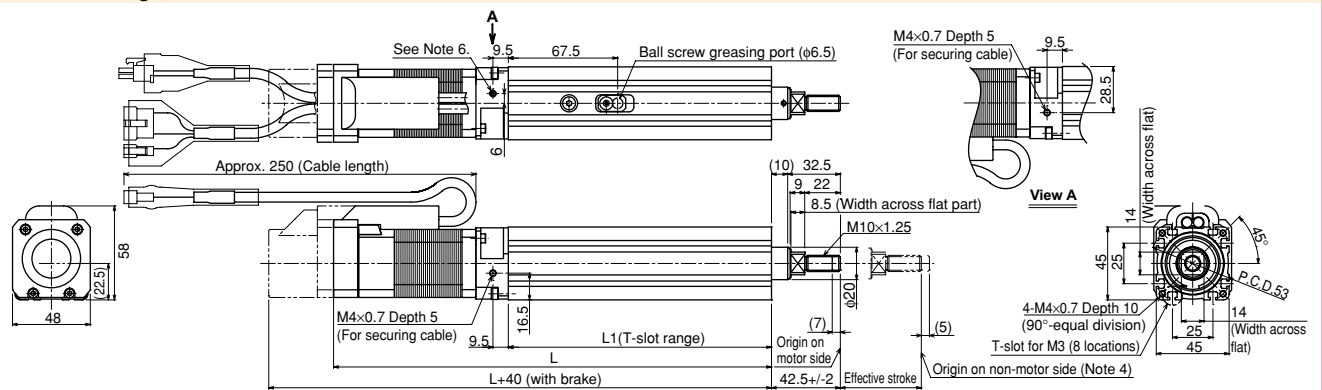
## Controller

Controller	Operation method	Controller	Operation method
TS-S2	I/O point trace / Remote command	TS-SD	Pulse train control
TS-SH			

## Motor installation (Space-saving model)

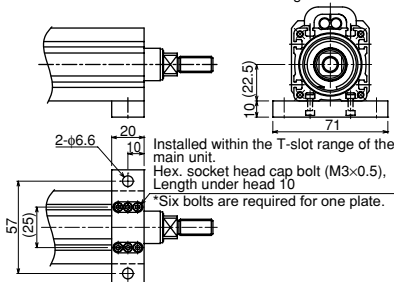


## SR04 Straight model S



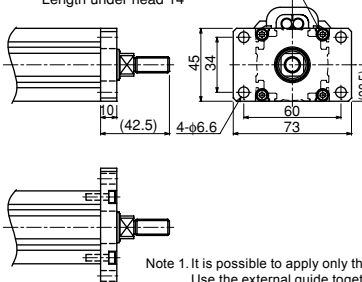
### Option: Horizontal installation plate (foot)

\* Contents of option: Plate, 2 pcs., Nut, 12 pcs.  
See our robot manuals for additional settings.



### Option: Vertical installation plate (flange)

Hex. socket head cap bolt (M4x0.7).  
Length under head 14



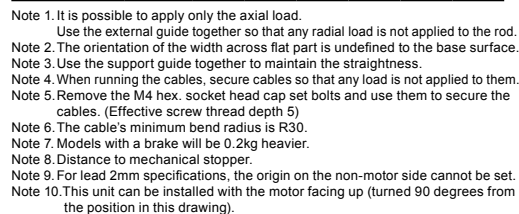
Dimensions of attached square nut for T-slot (6 pcs.)

Details of T-slot

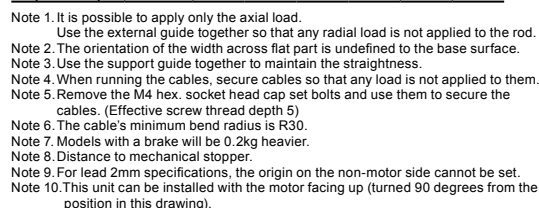
Dimensions of attached nut

Effective stroke	50	100	150	200	250	300
L1	162.5	212.5	262.5	312.5	362.5	412.5
L	270.5	320.5	370.5	420.5	470.5	520.5
Weight (kg)	1.4	1.7	1.9	2.2	2.4	2.7
Maximum speed for each stroke (mm/sec)						
Lead 12		500		440	320	
Lead 6		250		220	160	
Lead 2		80		72	53	

Note 1. 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.  
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. For lead 2mm specifications, the origin on the non-motor side cannot be set.  
Note 5. When running the cables, secure cables so that any load is not applied to them.  
Note 6. Remove the M4 hex. socket head cap set bolts and use them to secure the cables. (Effective screw thread depth 5)  
Note 7. The cable's minimum bend radius is R30.  
Note 8. Models with a brake will be 0.2kg heavier.  
Note 9. Distance to mechanical stopper.



L



# SRD04

Rod type (With support guide)

CE compliance

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



## Ordering method

SRD04

Model	Lead	Model	Brake	Origin position	Bracket plate	Stroke	Cable length
	12: 12mm 06: 6mm 02: 2mm	S: Straight model U: Space-saving model (motor installed on top)	N: With no brake B: With brake	N: Standard Z: Non-motor side	N: No plate H: With plate	50 to 300 (50mm pitch)	1K: 1m 3K: 3m 5K: 5m 10K: 10m

S2	I/O
Robot positioner S2: TS-S2	NP: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board

SH	I/O	Battery
Robot positioner SH: TS-SH	NP: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board	B: With battery (Absolute) N: None (Incremental)

SD	1
Robot driver SD: TS-SD	I/O cable t: 1m

Note 1. See P.337 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.

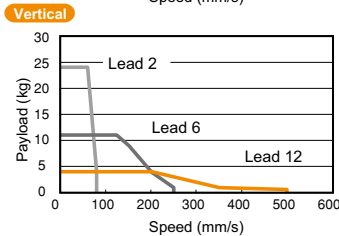
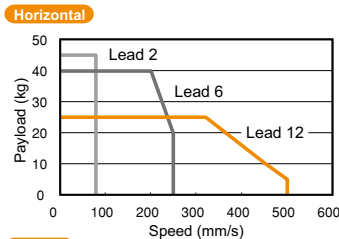
Note 4. The robot cable is flexible and resists bending.  
Note 5. See P.600 for DIN rail mounting bracket.  
Note 6. Select this selection when using the gateway function.

## Basic specifications

Motor	42 □ Step motor
Resolution (Pulse/rotation)	20480
Repeatability (mm)	+/-0.02
Deceleration mechanism	Ball screw φ8 / Ball screw φ10
Ball screw lead (mm)	12 / 6 / 2
Maximum speed (mm/sec)	500 / 250 / 80
Maximum payload (kg)	Horizontal: 25 / 40 / 45 Vertical: 4 / 11 / 24
Max. pressing force (N)	150 / 300 / 600
Stroke (mm)	50 to 300 (50pitch)
Lost motion	0.1mm or less
Rotating backlash (°)	+/-0.05
Overall length	Horizontal: Stroke+263 Vertical: Stroke+303
Maximum outside dimension of body cross-section (mm)	W48 × H58
Cable length (m)	Standard: 1 / Option: 3, 5, 10

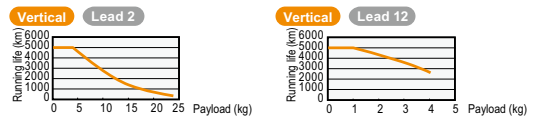
Note 1. The maximum speed needs to be changed in accordance with the payload.  
See the "Speed vs. payload" graph shown on the right. For details, see P. 336.  
Additionally, when the stroke is long, the maximum speed is decreased due to the critical speed of the ball screw.  
See the maximum speed table shown at the lower portion of the drawing.

## 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.

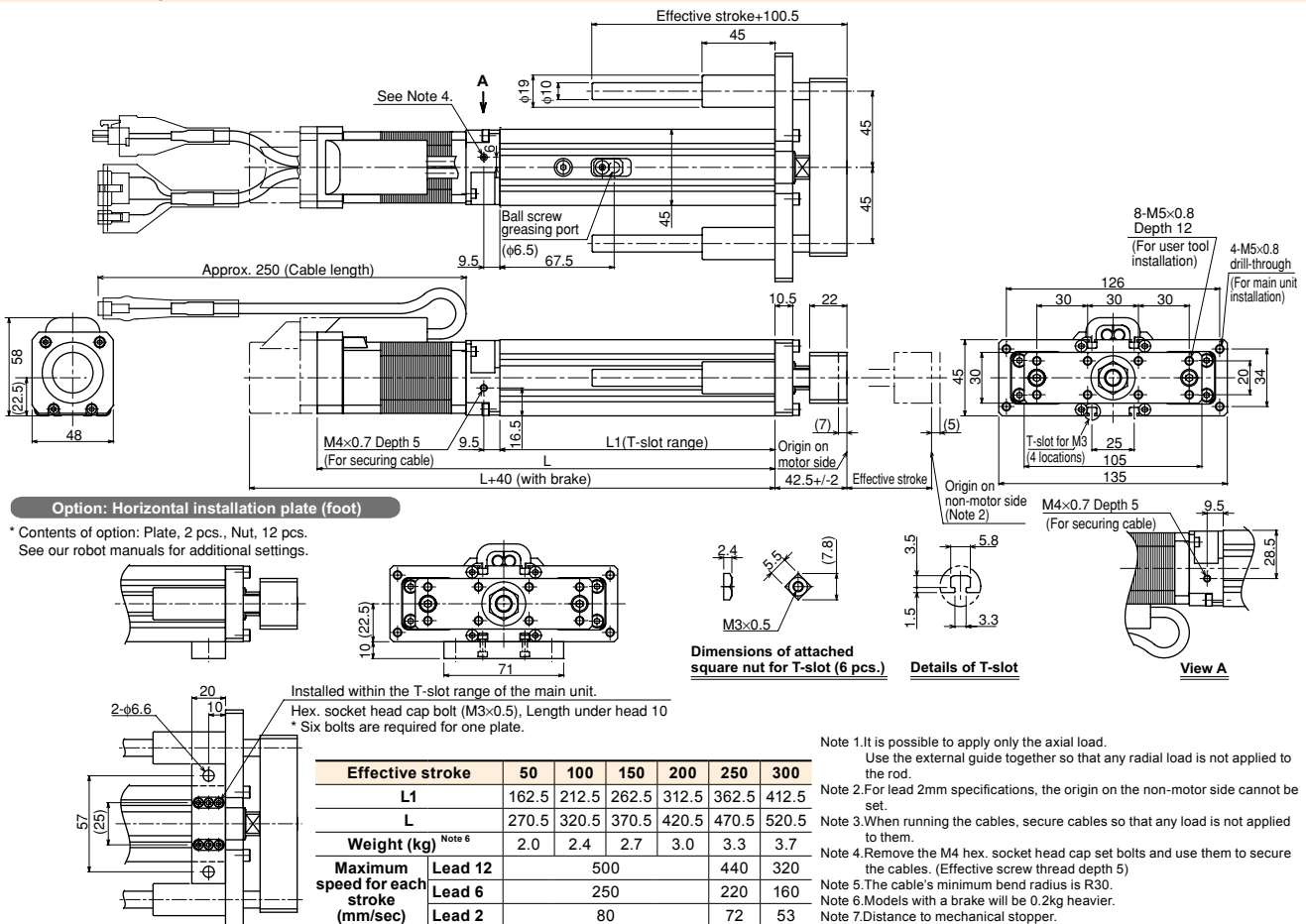


Note. See P.337 for running life distance to life time conversion example.

## Controller

Controller	Operation method	Controller	Operation method
TS-S2	I/O point trace / Remote command	TS-SD	Pulse train control

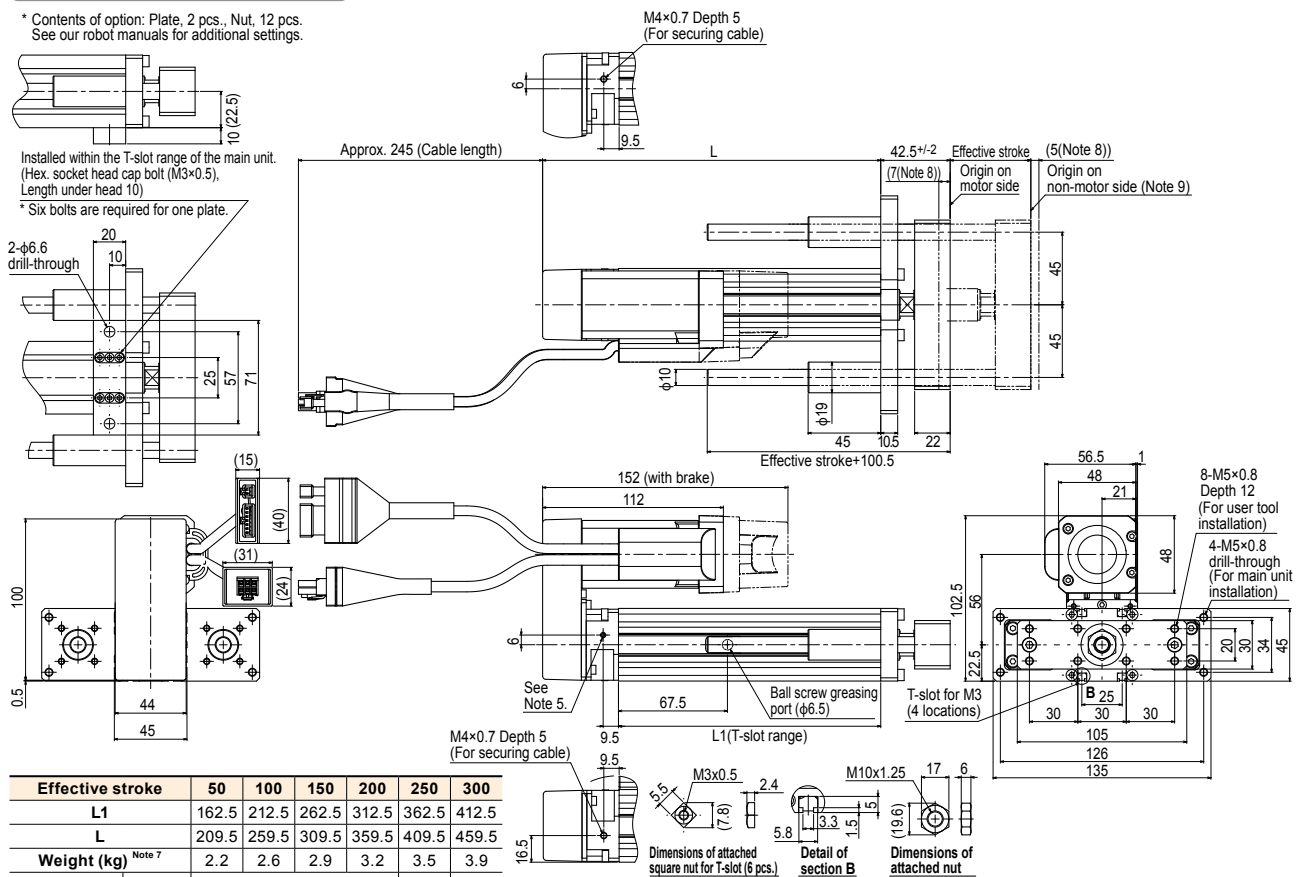
## SRD04 Straight model S





SRD04 Space-saving model (motor installed on top) **U**

Option: Horizontal installation plate (foot)

\* Contents of option: Plate, 2 pcs., Nut, 12 pcs.  
See our robot manuals for additional settings.

Note 1. 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.

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.

Note 9. For lead 2mm specifications, the origin on the non-motor side cannot be set.

# SR05 Rod type

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



## Ordering method

### SR05

Model	Lead	Model	Brake	Origin position	Bracket plate	Stroke	Cable length
	12: 12mm 06: 6mm 02: 2mm	S: Straight model R: Space-saving model (motor installed on right) L: Space-saving model (motor installed on left)	N: With no brake B: With brake	N: Standard Z: Non-motor side	N: No plate H: With plate V: With flange	50 to 300 (50mm pitch)	1K: 1m 3K: 3m 5K: 5m 10K: 10m

- Note 1. See P.337 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.600 for DIN rail mounting bracket.  
 Note 6. Select this selection when using the gateway function.

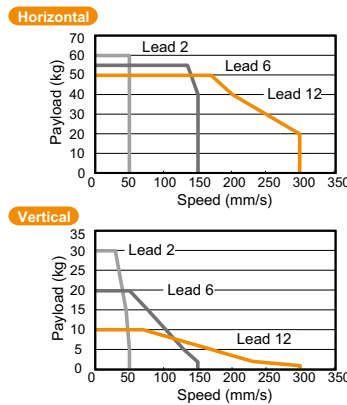
S2	I/O
Robot positioner S2: TS-S2	NP: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board
SH	Battery
Robot positioner SH: TS-SH	B: With battery (Absolute) N: None (Incremental)
SD	1
Robot driver SD: TS-SD	I/O cable 1: 1m

## Basic specifications

Motor	56 Step motor
Resolution (Pulse/rotation)	20480
Repeatability (mm)	±0.02
Deceleration mechanism	Ball screw φ12
Ball screw lead (mm)	12 6 2
Maximum speed (mm/sec)	300 150 50
Maximum payload (kg)	50 55 60
Max. pressing force (N)	10 20 30
Stroke (mm)	250 550 900
Lost motion	50 to 300 (50pitch) 0.1mm or less
Rotating backlash (°)	+/-1.0
Overall length (mm)	Horizontal Stroke+276 Vertical Stroke+316
Maximum outside dimension of body cross-section (mm)	W56.4 × H71
Cable length (m)	Standard: 1 / Option: 3, 5, 10

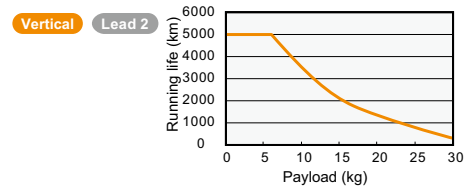
Note 1. The maximum speed needs to be changed in accordance with the payload.  
 See the "Speed vs. payload" graph shown on the right.  
 For details, see P. 336.

## Speed vs. payload



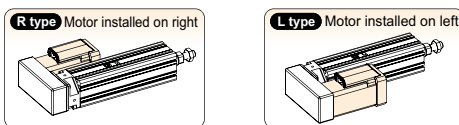
## Running life

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.337 for running life distance to life time conversion example.

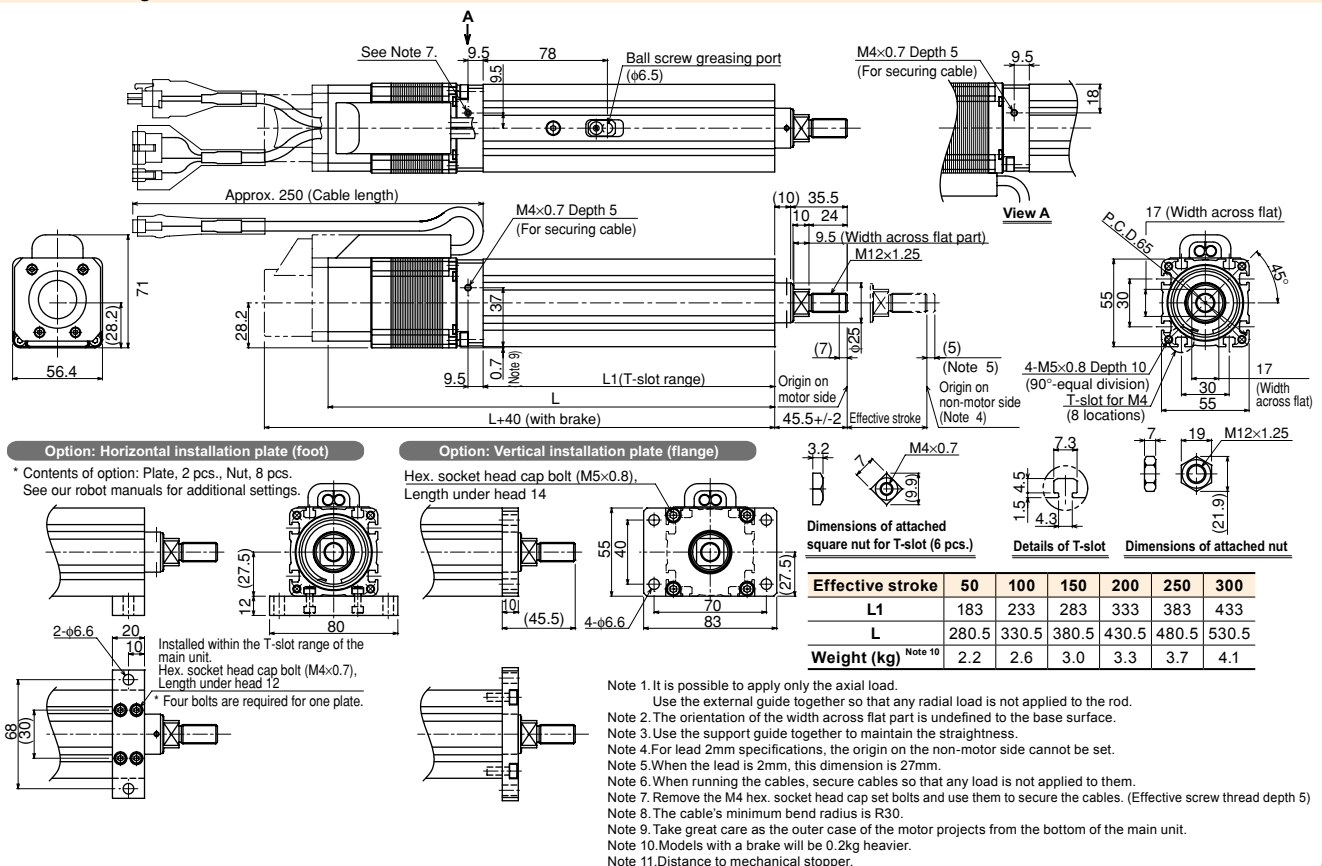
## Motor installation (Space-saving model)



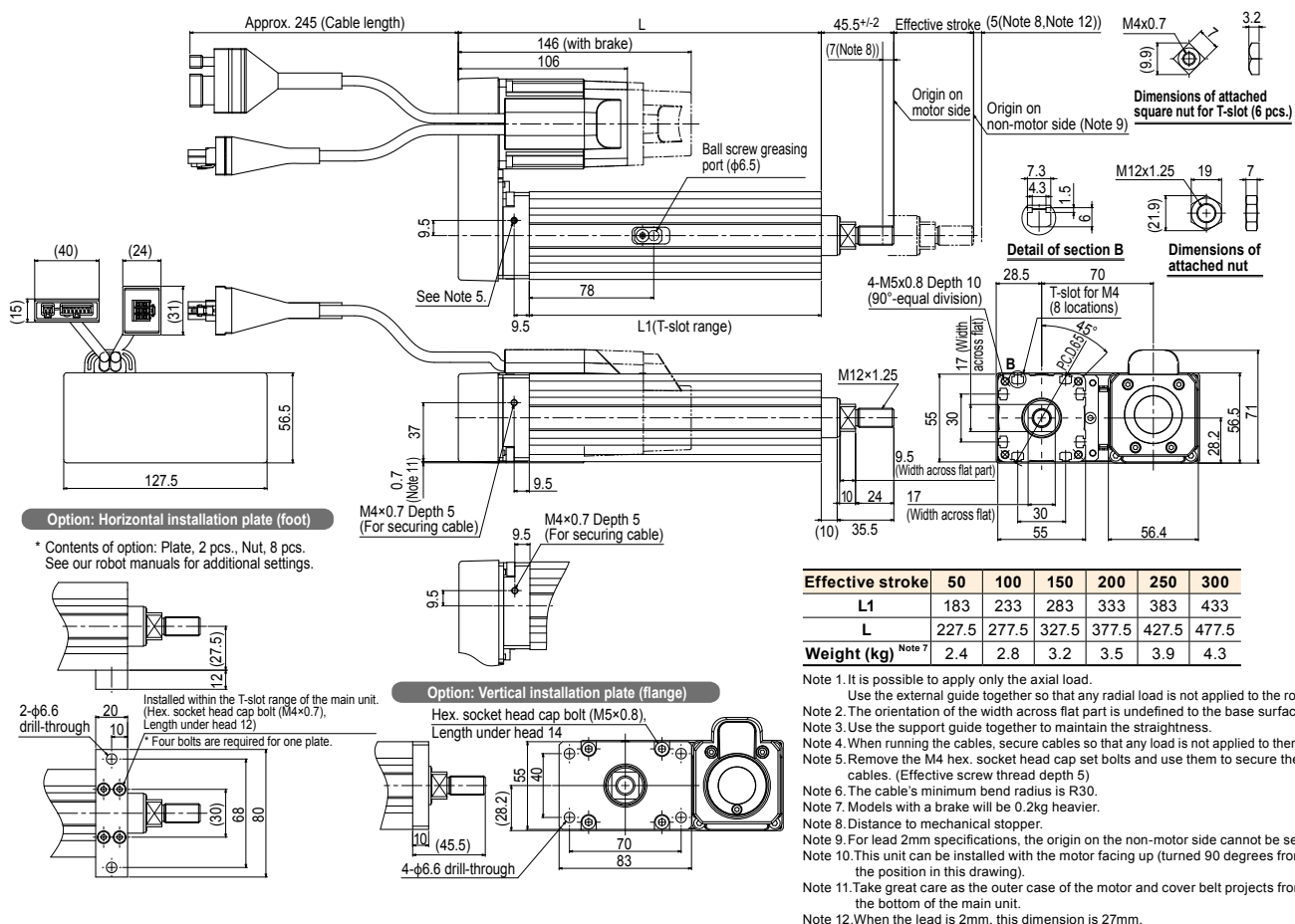
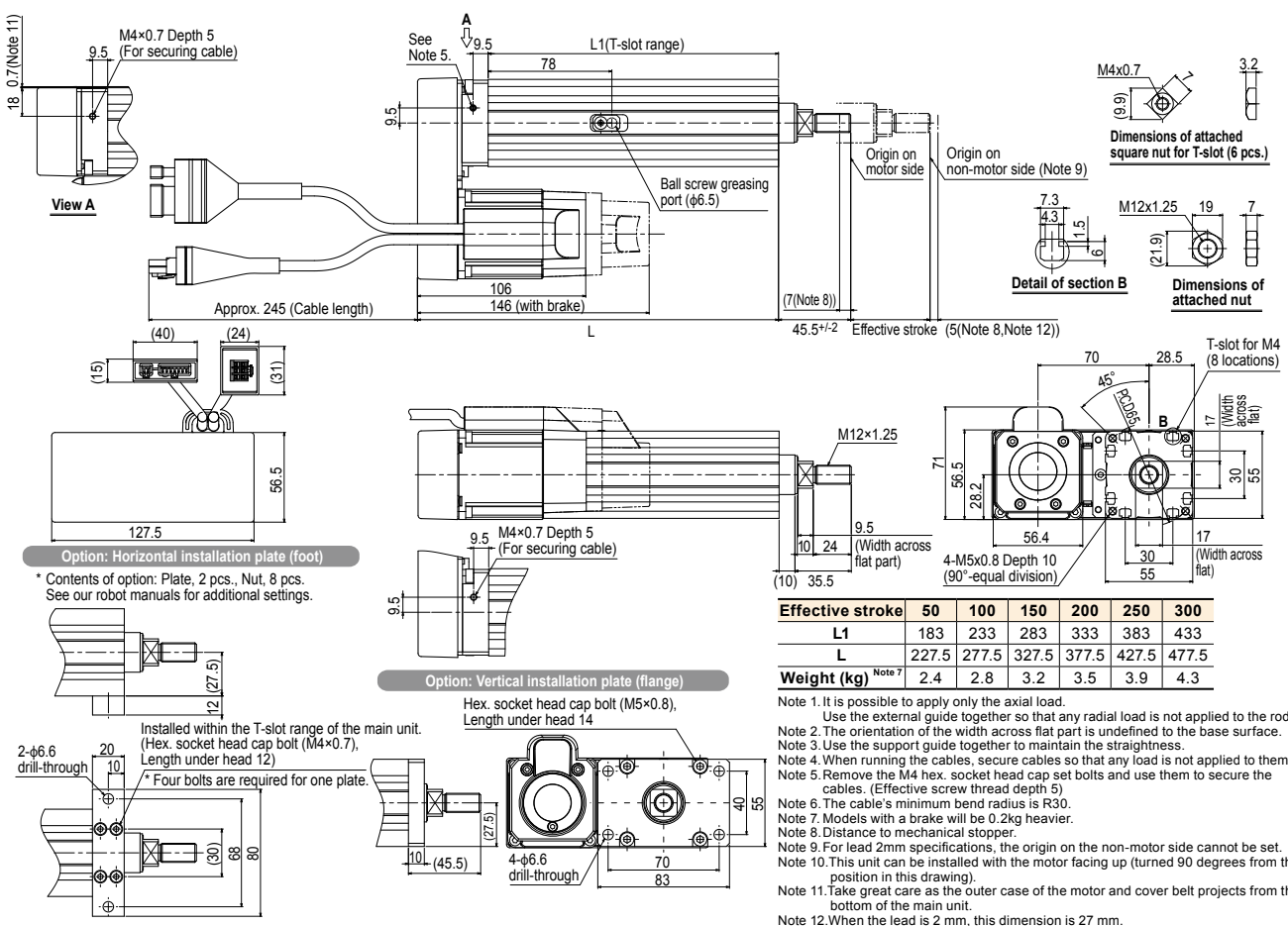
## Controller

Controller	Operation method	Controller	Operation method
TS-S2	I/O point trace / Remote command	TS-SD	Pulse train control

## SR05 Straight model S



- Note 1. It is possible to apply only the axial load.  
 Note 2. Use the external guide together so that any radial load is not applied to the rod.  
 Note 3. The orientation of the width across flat part is undefined to the base surface.  
 Note 4. Use the support guide together to maintain the straightness.  
 Note 5. For lead 2mm specifications, the origin on the non-motor side cannot be set.  
 Note 6. When the lead is 2mm, this dimension is 27mm.  
 Note 7. When running the cables, secure cables so that any load is not applied to them.  
 Note 8. Remove the M4 hex. socket head cap set bolts and use them to secure the cables. (Effective screw thread depth 5)  
 Note 9. The cable's minimum bend radius is R30.  
 Note 10. Take great care as the outer case of the motor projects from the bottom of the main unit.  
 Note 11. Models with a brake will be 0.2kg heavier.  
 Note 12. Distance to mechanical stopper.

SR05 Space-saving model (motor installed on right) **R**SR05 Space-saving model (motor installed on left) **L**

# SRD05

## Rod type (With support guide)

CE compliance

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



### Ordering method

**SRD05**

Model	Lead	Model	Brake	Origin position	Bracket plate	Stroke	Cable length
	12: 12mm 06: 6mm 02: 2mm	S: Straight model U: Space-saving model (motor installed on top)	N: With no brake B: With brake	N: Standard Z: Non-motor side	N: No plate H: With plate	50 to 300 (50mm pitch)	1K: 1m 3K: 3m 5K: 5m 10K: 10m

**S2**  
Robot positioner  
S2: TS-S2

I/O
NP: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board

**SH**  
Robot positioner  
SH: TS-SH

I/O
NP: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board

**SD**  
Robot driver  
SD: TS-SD

I/O cable
1: 1m

Note 1. See P.337 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.

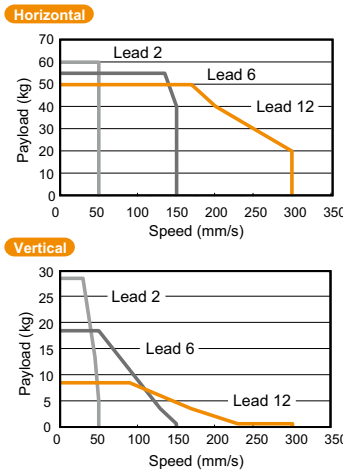
Note 4. The robot cable is flexible and resists bending.  
Note 5. See P.600 for DIN rail mounting bracket.  
Note 6. Select this selection when using the gateway function.

### Basic specifications

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

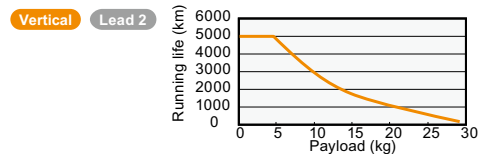
Note 1. The maximum speed needs to be changed in accordance with the payload.  
See the "Speed vs. payload" graph shown on the right.  
For details, see P. 336.

### 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.

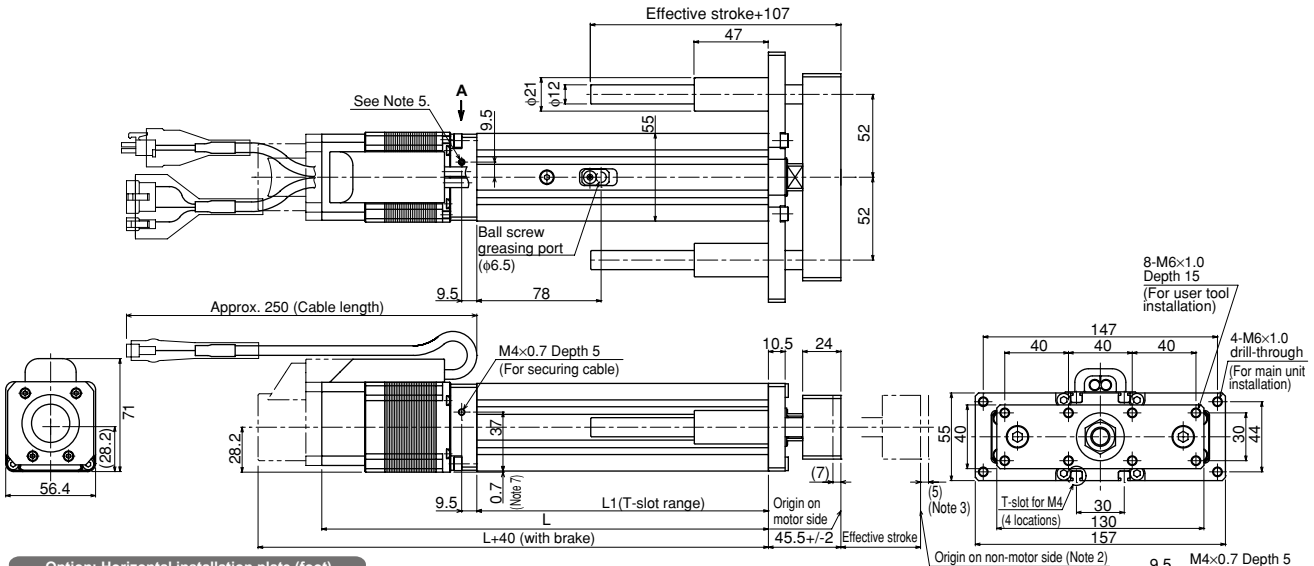


Note. See P.337 for running life distance to life time conversion example.

### Controller

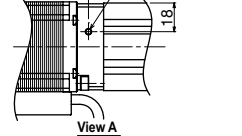
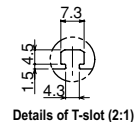
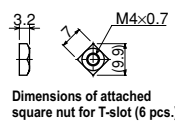
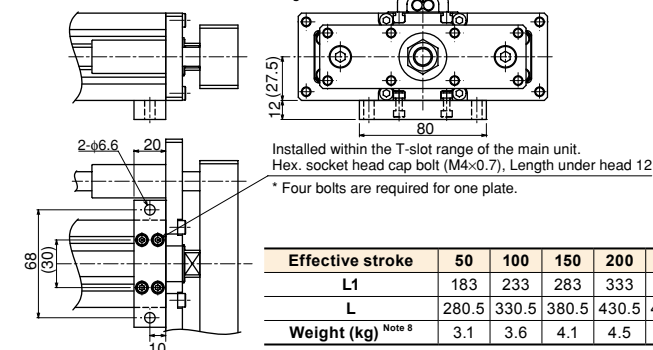
Controller	Operation method	Controller	Operation method
TS-S2	I/O point trace / Remote command	TS-SD	Pulse train control

### SRD05 Straight model S



Option: Horizontal installation plate (foot)

\* Contents of option: Plate, 2 pcs., Nut, 8 pcs.  
See our robot manuals for additional settings.



Note 1. It is possible to apply only the axial load.  
Note 2. Use the external guide together so that any radial load is not applied to the rod.  
Note 3. For lead 2mm specifications, the origin on the non-motor side cannot be set.  
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. Take great care as the outer case of the motor projects from the bottom of the main unit.  
Note 8. Models with a brake will be 0.2kg heavier.  
Note 9. Distance to mechanical stopper.

Effective stroke	50	100	150	200	250	300
L1	183	233	283	333	383	433
L	280.5	330.5	380.5	430.5	480.5	530.5
Weight (kg)	3.1	3.6	4.1	4.5	5.0	5.5

<p>Note 1. 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.</p>	<p>Note 6. The cable's minimum bend radius is R30. Note 7. Models with a brake will be 0.2kg heavier.</p>
<p>Note 2. The orientation of the width across flat part is undefined to the base surface.</p>	<p>Note 8. Distance to mechanical stopper.</p>
<p>Note 3. Use the support guide together to maintain the straightness.</p>	<p>Note 9. For lead 2mm specifications, the origin on the non-motor side cannot be set.</p>
<p>Note 4. When running the cables, secure cables so that any load is not applied to them.</p>	<p>Note 10. Take great care as the outer case of the cover belt projects from the bottom of the main unit.</p>
<p>Note 5. Remove the M4 hex. socket head cap set bolts and use them to secure the cables. (Effective screw thread depth 5)</p>	<p>Note 11. When the lead is 2 mm, this dimension is 27 mm.</p>