

SR04 Space-saving model (motor installed on right) **R**

Approx. 245 (Cable length)

Effective stroke (5)(Note 8)

42.5⁺² (7)(Note 8)

152 (with brake)
112

Origin on motor side

Origin on non-motor side (Note 9)

5.8
3.3
1.5

M10x1.25
17
6

Detail of section B

Dimensions of attached nut

56
14 (Width across flat)

45°

T-slot for M3 (8 locations)

4-M4x0.7 Depth 10 (90°-equal division)

48
1.5

102.5

45
25
14 (Width across flat)

8.5
9 22 (Width across flat part)

10 32.5

67.5

Ball screw greasing port (φ6.5)

L1(T-slot range)

9.5

M4x0.7 Depth 5 (For securing cable)

16.5

M4x0.7 Depth 5 (For securing cable)

9.5

M3x0.5 2.4
(7/8)

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

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)

Installed within the T-slot range of the main unit.
(Hex. socket head cap bolt (M3x0.5), Length under head 10)
* Six bolts are required for one plate.

2-φ6.6 drill-through

20
10
10 (22.5)

42.5

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

73

4-φ6.6 drill-through

60

45
34

Effective stroke	50	100	150	200	250	300
L1	162.5	212.5	262.5	312.5	362.5	412.5
L	209.5	259.5	309.5	359.5	409.5	459.5
Weight (kg) ^{Note 7}	1.6	1.9	2.1	2.4	2.6	2.9
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. 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.
Note 10. This unit can be installed with the motor facing up (turned 90 degrees from the position in this drawing).

SR04 Space-saving model (motor installed on left) **L**

Approx. 245 (Cable length)

Effective stroke (5)(Note 8)

42.5⁺² (7)(Note 8)

152 (with brake)
112

Origin on motor side

Origin on non-motor side (Note 9)

5.8
3.3
1.5

M10x1.25
17
6

Detail of section B

Dimensions of attached nut

56
14 (Width across flat)

45°

T-slot for M3 (8 locations)

4-M4x0.7 Depth 10 (90°-equal division)

48
1.5

102.5

45
25
14 (Width across flat)

8.5
9 22 (Width across flat part)

10 32.5

67.5

Ball screw greasing port (φ6.5)

L1(T-slot range)

9.5

M4x0.7 Depth 5 (For securing cable)

28.5

M4x0.7 Depth 5 (For securing cable)

9.5

M3x0.5 2.4
(7/8)

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

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)

Installed within the T-slot range of the main unit.
(Hex. socket head cap bolt (M3x0.5), Length under head 10)
* Six bolts are required for one plate.

2-φ6.6 drill-through

20
10
10 (22.5)

42.5

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

73

4-φ6.6 drill-through

60

45
34

Effective stroke	50	100	150	200	250	300
L1	162.5	212.5	262.5	312.5	362.5	412.5
L	209.5	259.5	309.5	359.5	409.5	459.5
Weight (kg) ^{Note 7}	1.6	1.9	2.1	2.4	2.6	2.9
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. 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.
Note 10. This unit can be installed with the motor facing up (turned 90 degrees from the position in this drawing).