

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

Approx. 245 (Cable length)

146 (with brake)
106

45.5^{+/-2} Effective stroke (5(Note 8,Note 12))
(7(Note 8))

Origin on motor side

Origin on non-motor side (Note 9)

M4x0.7 (9.9)

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

Ball screw greasing port (φ6.5)

9.5

78

L1(T-slot range)

See Note 5.

9.5

4-M5x0.8 Depth 10 (90°-equal division)

Detail of section B

M12x1.25 19 7

Dimensions of attached nut

7.3 4.3 1.5 6

28.5 70

T-slot for M4 (8 locations)

17 (Width across flat)

56.5 71

9.5 (Width across flat part)

10 24 17 (Width across flat)

30 55

35.5 (10)

Option: Horizontal installation plate (foot)

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

56.5

127.5

M4x0.7 Depth 5 (For securing cable)

M4x0.7 Depth 5 (For securing cable)

Option: Vertical installation plate (flange)

Hex. socket head cap bolt (M5x0.8), Length under head 14

4-φ6.6 drill-through

2-φ6.6 drill-through

Installed within the T-slot range of the main unit. (Hex. socket head cap bolt (M4x0.7), Length under head 12)

* Four bolts are required for one plate.

12 (27.5)

20 10 30 68 80

4-φ6.6 drill-through

28.2 40 70 83

Effective stroke	50	100	150	200	250	300
L1	183	233	283	333	383	433
L	227.5	277.5	327.5	377.5	427.5	477.5
Weight (kg) ^{Note 7}	2.4	2.8	3.2	3.5	3.9	4.3

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).
Note 11. Take great care as the outer case of the motor and cover belt projects from the bottom of the main unit.
Note 12. When the lead is 2mm, this dimension is 27mm.

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

Approx. 245 (Cable length)

106

146 (with brake)

45.5^{+/-2} Effective stroke (5(Note 8,Note 12))
(7(Note 8))

Origin on motor side

Origin on non-motor side (Note 9)

M4x0.7 (9.9)

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

Ball screw greasing port (φ6.5)

9.5

78

L1(T-slot range)

See Note 5.

9.5

4-M5x0.8 Depth 10 (90°-equal division)

Detail of section B

M12x1.25 19 7

Dimensions of attached nut

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28.5 70

T-slot for M4 (8 locations)

17 (Width across flat)

56.5 71

9.5 (Width across flat part)

10 24 17 (Width across flat)

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35.5 (10)

Option: Horizontal installation plate (foot)

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

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M4x0.7 Depth 5 (For securing cable)

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4-φ6.6 drill-through

2-φ6.6 drill-through

Installed within the T-slot range of the main unit. (Hex. socket head cap bolt (M4x0.7), Length under head 12)

* Four bolts are required for one plate.

12 (27.5)

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4-φ6.6 drill-through

28.2 40 70 83

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