RCP6CR-SA/WSA series

Clean room Specification | ±10 μm Standard | ±5 μm high precision Optional setting | Battery absolute | Motor straight | 24V stepper motor

Battery-less Absolute Encoder
No Battery, No Maintenance,
No Homing, and No Price Increase.
No Going Back to Incremental.

RCP6CR-SA4C | RCP6CR-SA6C | RCP6CR-SA7C | RCP6CR-SA8C | RCP6CR-WSA10C | RCP6CR-WSA12C | RCP6CR-WSA14C | RCP6CR-WSA16C

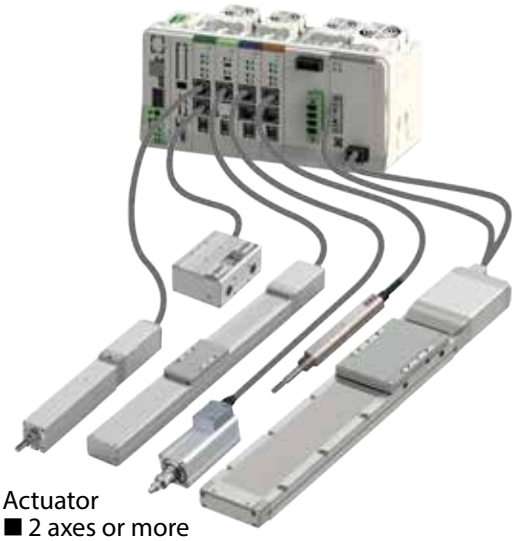
Applicable controller

1 axis	2 axes or more	Complicated movement (program type)

PCON controller

Actuator
■ 1 axis

RCON controller



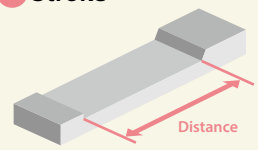
Actuator
■ 2 axes or more

RSEL controller

■Operations with a 2D/3D trajectory
■Palletizing operations
■Registration of multi-axis operations

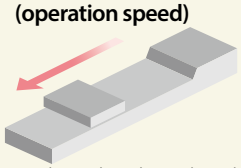
Description of Table and Reference Pages

1 Stroke



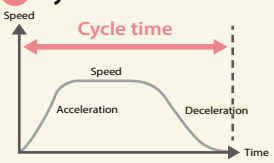
* The belt length shows selectable strokes.
Ex.) SA4C can select from 50 to 500mm.

2 Maximum speed (operation speed)



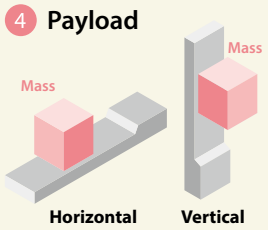
* Max. speed varies depending on the stroke.
Ex.) Max. speed is 875mm/s for SA4C with 16mm lead and 500mm stroke.
* Figures in < > represent operations in vertical use.

3 Cycle time



* One-way travel time of an operation with maximum stroke and horizontal mount, at maximum speed and maximum acceleration/deceleration.
*Does not represent operations with the maximum payload.

4 Payload



* Payload changes depending on acceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s) * Belt length = stroke * Figures in the belt are max. speed by stroke. Figures in < > represent operations in vertical use.	Lead (mm)	Payload (kg) Horizontal	Payload (kg) Vertical
SA4C	1260 / 1060 / 875 — 0.763 seconds	16	7	1.5
	785 / 675 / 555 — 1.058 seconds	10	12	3
	390 / 330 / 275 — 1.939 seconds	5	14	5.5
	195 / 165 / 135 — 3.798 seconds	2.5	18	12
SA6C	1440〈1280〉 / 1335〈1280〉 / 1130 / 970 / 840 / 735 / 650 / 575 — 1.55 seconds	20	15	1
	900 / 885 / 735 / 620 / 535 / 460 / 405 / 355 / 315 — 2.666 seconds	12	28	2.5
	450 / 435 / 365 / 305 / 265 / 230 / 200 / 175 / 155 — 5.26 seconds	6	32	6
	225 / 215 / 180 / 150 / 130 / 115 / 100 / 85 / 75 — 10.743 seconds	3	40	16
SA7C	1200 / 1095 / 965 / 850 / 760 — 1.253 seconds	24	37	3
	980〈840〉 / 965〈840〉 / 830 / 720 / 635 / 560 / 500 — 1.75 seconds	16	46	8
	490 / 475 / 410 / 355 / 315 / 275 / 245 — 3.381 seconds	8	51	16
	245〈210〉 / 235〈210〉 / 205 / 175 / 155 / 135 / 120 — 6.757 seconds	4	55	25
SA8C	1200〈850〉 / 1155〈850〉 / 1040〈850〉 / 940〈850〉 / 855〈850〉 / 780 / 715 / 660 — 1.856 sec.	30	28	3
	1000〈800〉 / 950〈800〉 / 860〈800〉 / 770 / 695 / 630 / 570 / 520 / 480 / 440 — 2.643 sec.	20	60	4
	500 / 480 / 430 / 385 / 345 / 310 / 285 / 260 / 235 / 220 — 5.129 sec.	10	70	25
	250 / 240 / 215 / 190 / 175 / 155 / 140 / 130 / 120 / 110 — 10.101 sec.	5	80	55
WSA10C	840 / 775 / 660 — 0.926 seconds	16	4	–
	610 / 590 / 490 / 415 — 1.345 seconds	10	15	–
	390〈350〉 / 355〈350〉 / 290 / 245 / 205 — 2.548 seconds	5	28	3
	195〈175〉 / 175 / 145 / 120 / 100 — 5.084 seconds	2.5	40	10
WSA12C	800 / 740 / 650 / 580 / 520 — 1.691 seconds	20	12	–
	600 / 535 / 465 / 405 / 355 / 315 / 285 — 2.929 seconds	12	25	–
	450〈400〉 / 435〈400〉 / 365 / 310 / 265 / 230 / 200 / 175 / 155 / 140 — 5.809 seconds	6	40	9
	225 / 215 / 180 / 150 / 130 / 115 / 100 / 85 / 75 / 70 — 11.501 seconds	3	60	18
WSA14C	700 / 665 — 1.393 seconds	24	25	–
	560 / 550 / 490 / 440 — 1.961 seconds	16	50	–
	420〈350〉 / 400〈350〉 / 350 / 305 / 270 / 240 / 215 — 3.831 seconds	8	65	14
	210〈175〉 / 200〈175〉 / 170 / 150 / 135 / 120 / 105 — 7.706 seconds	4	80	26
WSA16C	720 / 715 / 645 / 590 / 535 / 490 / 450 / 415 — 2.803 sec.	20	50	–
	450〈240〉 / 440〈240〉 / 395〈240〉 / 355〈240〉 / 320〈240〉 / 290〈240〉 / 265〈240〉 / 240 / 225 / 205 — 5.475 sec.	10	70	15
	195〈170〉 / 175〈170〉 / 160 / 145 / 130 / 120 / 110 / 100 — 11.084 sec.	5	100	50

* Figures in <> represent operations in vertical use.

Single-Axis Robot / Slider / Cleanroom Specification

RCP4CR series

Clean room Specification | Motor straight | 24V stepper motor

RCP4CR-SA3C

RCP4CR-SA5C

RCACR series

Clean room Specification | Battery absolute | Motor straight | 24V stepper motor

RCACR-SA4C

RCACR-SA5C

RCACR-SA6C

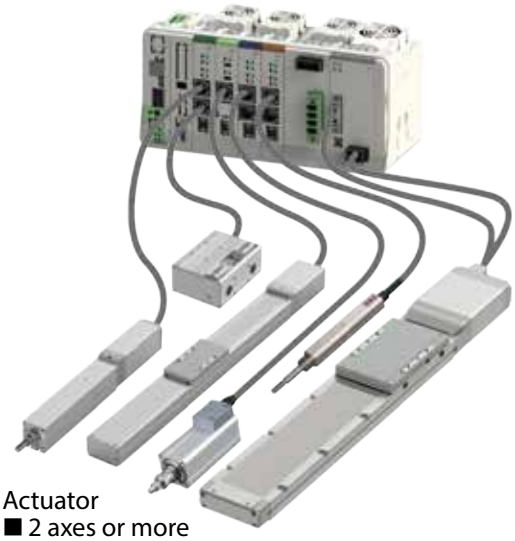
Applicable controller

1 axis	2 axes or more	Complicated movement (program type)

PCON/ACON controller

Actuator
■ 1 axis

RCON controller



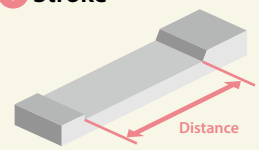
Actuator
■ 2 axes or more

RSEL controller

■Operations with a 2D/3D trajectory
■Palletizing operations
■Registration of multi-axis operations

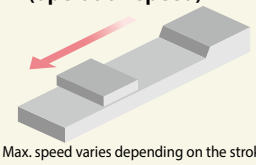
Description of Table and Reference Pages

1 Stroke



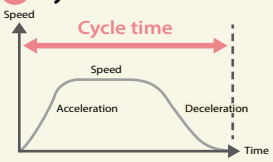
* The belt length shows selectable strokes.
Ex.) SA4C can s elect from 50 to 500mm.

2 Maximum speed (operation speed)



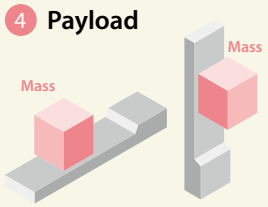
* Max. speed varies depending on the stroke.
Ex.) Max. speed is 420mm/s for SA4C with 6mm lead and 300mm stroke.
* Figures in < > represent operations in vertical use.

3 Cycle time



* One-way travel time of an operation with maximum stroke and horizontal mount, at maximum speed and maximum acceleration/deceleration.
*Does not represent operations with the maximum payload.

4 Payload



* Payload changes depending on acceleration and mounting posture.

Series	Type	Stroke (mm) and maximum speed (mm/s) * Belt length = stroke * Figures in the belt are max. speed by stroke. Figures in < > represent operations in vertical use.	Lead (mm)	Payload (kg) Horizontal	Payload (kg) Vertical
		25 / 50～300 / 350 / 400 / 450 / 500 / 550 / 600 / 650 / 700 / 750 / 800 / 850 / 900			
RCP4CR	SA3C	420 — 0.855 seconds	6	3	1.5
		280 — 1.193 seconds	4	5	2.5
		140 — 2.239 seconds	2	8	3.5
	SA5C	1440〈1280〉 / 1225 / 1045 / 900 / 785 / 690 / 610 — 1.474 sec.	20	6.5	1
		900 / 795 / 665 / 570 / 490 / 425 / 375 / 330 — 2.553 sec.	12	9	2.5
		450 / 395 / 335 / 285 / 245 / 215 / 185 / 165 — 4.95 sec.	6	18	6
		225 / 195 / 165 / 140 / 120 / 105 / 90 / 80 — 10.079 sec.	3	20	12
RCACR	SA4C	665 — 0.777 seconds	10	4	1
		330 — 1.357 seconds	5	6	2.5
		165 — 2.552 seconds	2.5	8	4.5
	SA5C	1300〈800〉 — 0.608 seconds	20	2	0.5
		800 / 760 — 0.841 seconds	12	4	1
		400 / 380 — 1.471 seconds	6	8	2
		200 / 190 — 2.784 seconds	3	12	4
	SA6C	1300〈800〉 / 1160 〈800〉 / 990 〈800〉 — 0.838 seconds	20	3	0.5
		800 / 760 / 640 / 540 — 1.299 seconds	12	6	1.5
		400 / 380 / 320 / 270 — 2.361 seconds	6	12	3
		200 / 190 / 160 / 135 — 4.567 seconds	3	18	6

* Figures in <> represent operations in vertical use.

RCS4CR/RCS3CR series

Clean room Specification | Battery absolute | Motor straight | 200V AC servo motor

Battery-less Absolute Encoder
No Battery, No Maintenance,
No Homing, and No Price Increase.
No Going Back to Incremental.

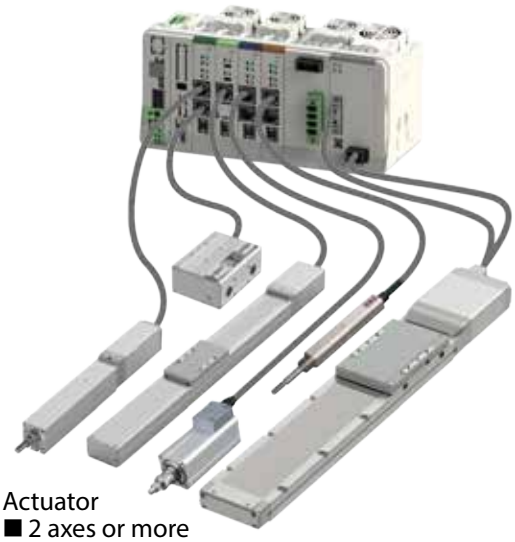
Applicable controller

1 axis	2 axes or more	Complicated movement (program type)

SCON controller

Actuator
■ 1 axis

RCON controller



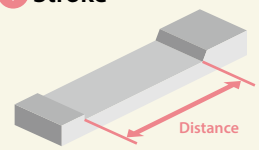
Actuator
■ 2 axes or more

RSEL controller

■Operations with a 2D/3D trajectory
■Palletizing operations
■Registration of multi-axis operations

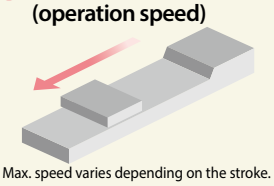
Description of Table and Reference Pages

1 Stroke



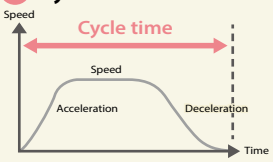
* The belt length shows selectable strokes.
Ex.) SA4C can select from 50 to 500mm.

2 Maximum speed (operation speed)



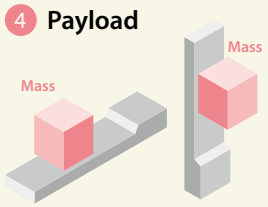
* Max. speed varies depending on the stroke.
Ex.) Max. speed is 500mm/s for SA4C with 16mm lead and 875mm stroke.
* Figures in < > represent operations in vertical use.

3 Cycle time



* One-way travel time of an operation with maximum stroke and horizontal mount, at maximum speed and maximum acceleration/deceleration.
*Does not represent operations with the maximum payload.

4 Payload



* Payload changes depending on acceleration and mounting posture.

Series	Type	Stroke (mm) and maximum speed (mm/s) * Belt length = stroke * Figures in the belt are max. speed by stroke. Figures in < > represent operations in vertical use.	Lead (mm)	Payload (kg) Horizontal	Payload (kg) Vertical
		50~350 / 400 / 450 / 500 / 550 / 600 / 650 / 700 / 750 / 800 / 850 / 900 / 950 / 1000 / 1050 / 1100 / 1150 / 1200 / 1250			
RCS4CR	SA4C	960 / 875 — 0.804 seconds	16	10	3
		600 / 555 — 1.101 seconds	10	14	5
		300 / 275 — 1.983 seconds	5	17	8
		150 / 135 — 3.84 seconds	2.5	20	12
	SA6C	1200 / 1130 / 970 / 840 / 735 / 650 / 575 — 1.594 seconds	20	18	6
		720 / 620 / 535 / 460 / 405 / 355 / 315 — 2.709 seconds	12	30	11
		360 / 305 / 265 / 230 / 200 / 175 / 155 — 5.299 seconds	6	45	15
		180 / 150 / 130 / 115 / 100 / 85 / 75 — 10.777 seconds	3	45	15
	SA7C	1500 / 1440 / 1240 / 1095 / 965 / 850 / 760 — 1.274 seconds	24	30	7
		1000 / 965 / 830 / 720 / 635 / 560 / 500 — 1.794 seconds	16	40	12
		500 / 475 / 410 / 355 / 315 / 275 / 245 — 3.425 seconds	8	45	20
		240 / 235 / 205 / 175 / 155 / 135 / 120 — 6.798 seconds	4	50	25
	SA8C	1200 / 1090 / 960 / 860 / 770 / 695 / 630 / 570 / 520 / 480 / 440 — 2.686 sec.	20	60	20
		600 / 540 / 480 / 430 / 385 / 345 / 310 / 285 / 260 / 235 / 220 — 5.155 sec.	10	80	35
		300 / 270 / 240 / 215 / 190 / 175 / 155 / 140 / 130 / 120 / 110 — 10.126 sec.	5	90	45
	WSA10C	960 / 930 / 775 / 660 — 0.969 seconds	16	7	–
		600 / 590 / 490 / 415 — 1.388 seconds	10	16	3
		300 / 290 / 245 / 205 — 2.59 seconds	5	27	5
		150 / 145 / 120 / 100 — 5.123 seconds	2.5	40	10
	WSA12C	1200 / 1130 / 970 / 840 / 740 / 650 / 580 / 520 — 1.735 seconds	20	15	3
		720 / 610 / 535 / 465 / 405 / 355 / 315 / 285 — 2.971 seconds	12	25	8
		360 / 310 / 265 / 230 / 200 / 175 / 155 / 140 — 5.848 seconds	6	45	15
		180 / 150 / 130 / 115 / 100 / 85 / 75 / 70 — 11.538 seconds	3	55	15
	WSA14C	1440 / 1420 / 1220 / 1060 / 930 / 830 / 740 / 665 — 1.415 seconds	24	20	2.5
		960 / 920 / 790 / 690 / 610 / 550 / 490 / 440 — 2.005 seconds	16	45	8
		480 / 460 / 400 / 350 / 305 / 270 / 240 / 215 — 3.874 seconds	8	65	10
		240 / 230 / 200 / 170 / 150 / 135 / 120 / 105 — 7.744 seconds	4	80	25
	WSA16C	1200 / 1120 / 990 / 880 / 780 / 715 / 645 / 590 / 535 / 490 / 450 / 415 — 2.834 sec.	20	60	20
		600 / 560 / 490 / 440 / 395 / 355 / 320 / 290 / 265 / 240 / 225 / 205 — 5.517 sec.	10	80	35
		300 / 280 / 240 / 220 / 195 / 175 / 160 / 145 / 130 / 120 / 110 / 100 — 11.121 sec.	5	100	50
RCS3CR	SA8C (100W)	1800 / 1510 / 1340 / 1190 / 1070 / 960 / 870 / 790 / 720 / 660 — 1.794 sec.	30	8	2
		1200 / 1010 / 890 / 790 / 710 / 640 / 580 / 530 / 480 / 440 — 2.576 sec.	20	20	4
		600 / 500 / 440 / 390 / 350 / 320 / 290 / 260 / 240 / 220 — 4.945 sec.	10	40	8
		300 / 250 / 220 / 190 / 170 / 160 / 140 / 130 / 120 / 110 — 10.138 sec.	5	80	16
	SA8C (50W)	1800 / 1510 / 1340 / 1190 / 1070 / 960 / 870 / 790 / 720 / 660 — 1.794 sec.	30	12	3
		1200 / 1010 / 890 / 790 / 710 / 640 / 580 / 530 / 480 / 440 — 2.571 sec.	20	30	6
		600 / 500 / 440 / 390 / 350 / 320 / 290 / 260 / 240 / 220 — 4.939 sec.	10	60	12
	SS8C (100W)	1800 / 1660 / 1460 / 1295 / 1155 / 1035 / 935 / 850 / 775 — 1.497 seconds	30	8	2
		1200 / 1105 / 970 / 860 / 770 / 690 / 625 / 565 / 515 — 2.132 seconds	20	20	4
		600 / 550 / 485 / 430 / 385 / 345 / 310 / 280 / 255 — 4.089 seconds	10	40	8
		300 / 275 / 240 / 215 / 190 / 170 / 150 / 140 / 125 — 8.147 seconds	5	80	16
	SS8C (150W)	1800 / 1660 / 1460 / 1295 / 1155 / 1035 / 935 / 850 / 775 — 1.497 seconds	30	12	3
		1200 / 1105 / 970 / 860 / 770 / 690 / 625 / 565 / 515 — 2.127 seconds	20	30	6
		600 / 550 / 485 / 430 / 385 / 345 / 310 / 280 / 255 — 4.083 seconds	10	60	12

* Figures in <> represent operations in vertical use.

ISDBCR/ISPDBCR series

Clean room Specification | ±10 μm Standard | ±3μm high precision | Battery absolute | 200V AC servo motor

Battery-less Absolute Encoder
No Battery, No Maintenance,
No Homing, and No Price Increase.
No Going Back to Incremental.

ISDBCR-S-60

ISDBCR-M-100
ISDBCR-M-200

ISDBCR-MX-200

ISDBCR-L-200
ISDBCR-L-400

ISDBCR-LX-200
ISDBCR-LX-400

ISDBCR-
S□□□-ESD
M□□□-ESD
L□□□-ESD

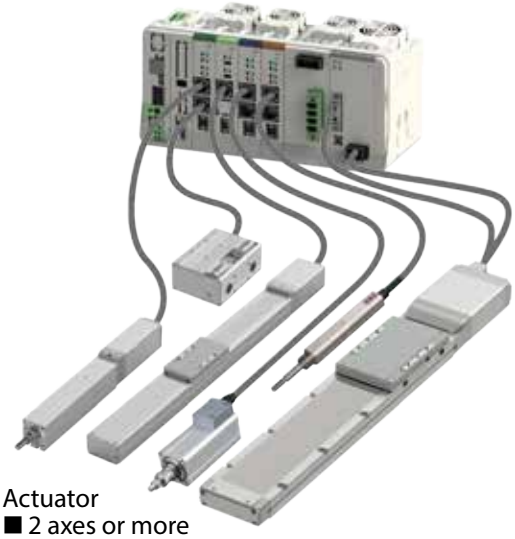
Applicable controller

1 axis	2 axes or more	Complicated movement (program type)

SCON controller

Actuator
■ 1 axis

RCON controller



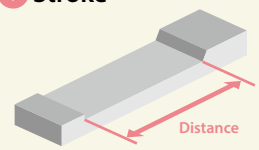
Actuator
■ 2 axes or more

RSEL controller

■Operations with a 2D/3D trajectory
■Palletizing operations
■Registration of multi-axis operations

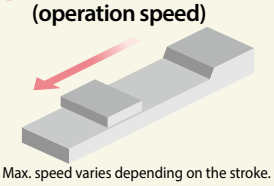
Description of Table and Reference Pages

1 Stroke



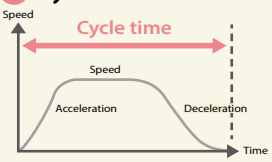
* The belt length shows selectable strokes.
Ex.) S-60 can select from 100 to 800mm.

2 Maximum speed (operation speed)



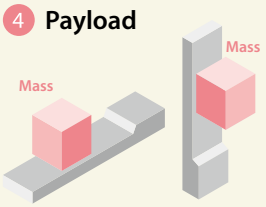
* Max. speed varies depending on the stroke.
Ex.) Max. speed is 480mm/s for S-60 with 16mm lead and 800mm stroke.
* Figures in < > represent operations in vertical use.

3 Cycle time



* One-way travel time of an operation with maximum stroke and horizontal mount, at maximum speed and maximum acceleration/deceleration.
*Does not represent operations with the maximum payload.

4 Payload



* Payload changes depending on acceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s) * Belt length = stroke * Figures in the belt are max. speed by stroke. Figures in < > represent operations in vertical use.	Lead (mm)	Payload (kg) Horizontal	Payload (kg) Vertical
	100~500 / 550 / 600 / 650 / 700 / 750 / 800 / 850 / 900 / 950 / 1000 / 1050 / 1100 / 1150 / 1200 / 1250 / 1300 / 1350 / 1400			
S-60	960 / 920 / 795 / 690 / 610 / 540 / 480 — 2.235 seconds	16	13	3
	480 / 460 / 400 / 345 / 305 / 270 / 240 — 3.498 seconds	8	27	6
	240 / 230 / 200 / 170 / 150 / 135 / 120 — 6.781 seconds	4	55	14
M-100	1800 / 1630 / 1440 / 1280 / 1150 / 1035 / 935 / 850 / 780 / 715 / 660 — 1.885 seconds	30	15	2
	1200 / 1085 / 960 / 855 / 765 / 690 / 625 / 570 / 520 / 475 / 440 — 2.691 seconds	20	23	4
	600 / 545 / 480 / 430 / 380 / 345 / 310 / 285 / 260 / 240 / 220 — 5.135 seconds	10	45	10
	300 / 270 / 240 / 215 / 190 / 170 / 155 / 140 / 130 / 120 / 110 — 10.129 seconds	5	85	20
M-200	1800 / 1630 / 1440 / 1280 / 1150 / 1035 / 935 / 850 / 780 / 715 / 660 — 1.927 seconds	30	30	6
	1200 / 1085 / 960 / 855 / 765 / 690 / 625 / 570 / 520 / 475 / 440 — 2.691 seconds	20	45	10
	600 / 545 / 480 / 430 / 380 / 345 / 310 / 285 / 260 / 240 / 220 — 5.159 seconds	10	90	20
	300 / 270 / 240 / 215 / 190 / 170 / 155 / 140 / 130 / 120 / 110 — 10.129 seconds	5	110	40
L-200	1800 / 1700 / 1540 / 1410 / 1290 / 1185 / 1095 / 1015 / 940 / 875 / 815 — 1.832 sec.	40	15	2.5
	1200 / 1165 / 1045 / 940 / 850 / 770 / 705 / 645 / 595 / 545 / 505 / 470 / 440 / 410 — 3.357 sec.	20	45	9
	600 / 585 / 520 / 470 / 425 / 385 / 350 / 320 / 295 / 275 / 255 / 235 / 220 / 205 — 6.473 sec.	10	90	20
L-400	1800 / 1700 / 1540 / 1410 / 1290 / 1185 / 1095 / 1015 / 940 / 875 / 815 — 1.832 sec.	40	40	8
	1200 / 1165 / 1045 / 940 / 850 / 770 / 705 / 645 / 595 / 545 / 505 / 470 / 440 / 410 — 3.357 sec.	20	90	20
	600 / 585 / 520 / 470 / 425 / 385 / 350 / 320 / 295 / 275 / 255 / 235 / 220 / 205 — 6.532 sec.	10	120	40

Type	Stroke (mm) and maximum speed (mm/s) * Belt length = stroke * Figures in the belt are max. speed by stroke. Figures in < > represent operations in vertical use.	Lead (mm)	Payload (kg) Horizontal	Payload (kg) Vertical
	800~950 / 1000 / 1050·1100 / 1150·1200 / 1250·1300 / 1350·1400 / 1450·1500 / 1550·1600 / 1650·1700 / 1750·1800 / 1850·1900 / 1950·2000 / 2050·2100 / 2150·2200 / 2250·2300 / 2350·2400 / 2450·2500			
MX-200	1800 / 1650 / 1500 / 1425 / 1200 / 1050 / 900 / 825 / 750 / 675 — 3.26 seconds	30	30	–
	1200 / 1100 / 1000 / 950 / 800 / 700 / 600 / 550 / 500 / 450 — 4.683 seconds	20	45	–
LX-200	3.975 sec. — 1800 / 1660 / 1480 / 1300 / 1180 / 1080 / 980 / 880 / 820 / 740 / 680	40	15	–
	7.561 sec. — 1200 / 1150 / 1000 / 950 / 830 / 740 / 650 / 590 / 540 / 490 / 440 / 410 / 370 / 340	20	45	–
LX-400	3.975 sec. — 1800 / 1660 / 1480 / 1300 / 1180 / 1080 / 980 / 880 / 820 / 740 / 680	40	40	–
	7.561 sec. — 1200 / 1150 / 1000 / 950 / 830 / 740 / 650 / 590 / 540 / 490 / 440 / 410 / 370 / 340	20	90	–

Single-Axis Robot / Slider / Cleanroom Specification

SSPDACR series

Clean room Specification | ±5μm high precision | 200V AC servo motor

SSPDACR-S-200 | SSPDACR-M-400 | SSPDACR-L-750

ISDACR series

Clean room Specification | 200V AC servo motor

ISDACR-W-600 | ISDACR-W-750 | ISDACR-WX-600 | ISDACR-WX-750

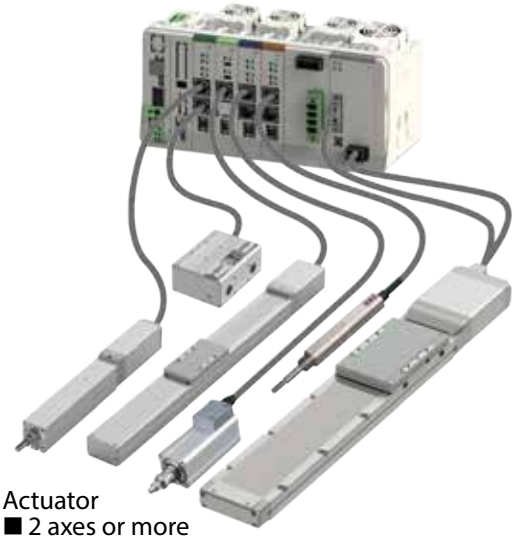
Applicable controller

1 axis	2 axes or more	Complicated movement (program type)

SCON controller

Actuator
■ 1 axis

RCON controller



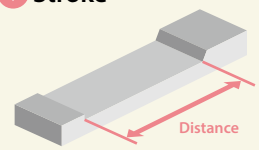
Actuator
■ 2 axes or more

RSEL controller

■ Operations with a 2D/3D trajectory
■ Palletizing operations
■ Registration of multi-axis operations

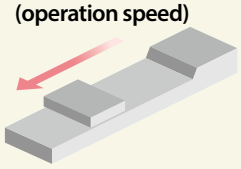
Description of Table and Reference Pages

1 Stroke



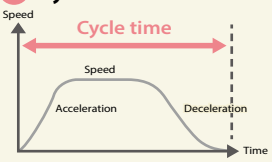
* The belt length shows selectable strokes.
Ex.) S-200 can select from 100 to 1100mm.

2 Maximum speed (operation speed)



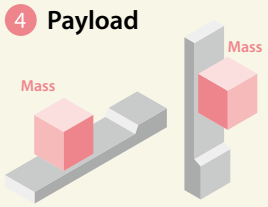
* Max. speed varies depending on the stroke.
Ex.) Max. speed is 610mm/s for S-60 with 30mm lead and 1100mm stroke.
* Figures in < > represent operations in vertical use.

3 Cycle time



* One-way travel time of an operation with maximum stroke and horizontal mount, at maximum speed and maximum acceleration/deceleration.
*Does not represent operations with the maximum payload.

4 Payload



* Payload changes depending on acceleration and mounting posture.

Series	Type	Stroke (mm) and maximum speed (mm/s) * Belt length = stroke * Figures in the belt are max. speed by stroke. Figures in < > represent operations in vertical use.	Lead (mm)	Payload (kg) Horizontal	Payload (kg) Vertical
		100~550 / 600 / 650 / 700 / 750 / 800 / 850 / 900 / 950 / 1000 / 1050 / 1100 / 1150 / 1200 / 1250 / 1300 / 1350 / 1400 / 1450 / 1500 / 1550 / 1600			
SSPDACR	S-200	1600 1450 1290 1160 1040 940 860 780 720 660 610 — 2.009 seconds	30	30	4
		1100 1090 970 860 770 690 630 570 520 480 440 400 — 2.935 seconds	20	45	6
		600 540 480 430 380 340 310 280 260 240 220 200 — 5.656 seconds	10	90	12
	M-400	1600 1540 1410 1290 1180 1100 1010 940 880 820 760 — 1.932 seconds	40	45	6
		1100 1040 940 850 770 700 640 590 550 500 470 440 410 380 — 3.603 seconds	20	90	12
		600 580 520 470 420 380 350 320 290 270 250 230 220 200 190 — 6.994 seconds	10	120	25
	L-750	1600 1550 1340 1170 1040 — 1.69 sec.	50	60	12
		1100 1060 900 770 670 580 520 — 3.09 sec.	25	120	25

Series	Type	Stroke (mm) and maximum speed (mm/s) * Belt length = stroke * Figures in the belt are max. speed by stroke. Figures in < > represent operations in vertical use.	Lead (mm)	Payload (kg) Horizontal	Payload (kg) Vertical
		100~700 / 750 / 800 / 850 / 900 / 950 / 1000 / 1050 / 1100 / 1150 / 1200 / 1250 / 1300 / 1350 / 1400			
ISDACR	W-600	2000 1965 1605 1335 1130 970 840 — 1.787 sec.	40	60	14
		1000 980 800 665 565 485 420 — 3.283 sec.	20	120	29
		500 490 400 330 280 240 210 — 6.351 sec.	10	150	60
	W-750	2000 1780 1525 1320 — 1.275 sec.	50	60	14
		1250 1050 890 760 660 — 2.31 sec.	25	120	29

Series	Type	Stroke (mm) and maximum speed (mm/s) * Belt length = stroke * Figures in the belt are max. speed by stroke. Figures in < > represent operations in vertical use.	Lead (mm)	Payload (kg) Horizontal	Payload (kg) Vertical
		900~1300 / 1350・1400 / 1450・1500 / 1550・1600 / 1650・1700 / 1750・1800 / 1850・1900 / 1950・2000 / 2050・2100 / 2150・2200 / 2250・2300 / 2350・2400 / 2450・2500			
ISDACR	WX-600	2000 1965 1725 1530 1365 1225 1100 1005 915 840 770 710 655 — 4.156 sec.	40	60	–
		1000 980 860 765 680 610 555 500 455 420 385 355 325 — 7.917 sec.	20	120	–
	WX-750	2000 1930 1740 1580 1440 1320 1210 1115 1035 — 2.883 sec.	50	60	–
		1250 1200 1075 965 870 790 720 660 605 555 515 — 5.145 sec.	25	120	–

Single-axis / Rod / Cleanroom Specifications

RCA2CR series

Clean room Specification | 24V AC servo motor

RCA2CR-RN3NB
RCA2CR-RN4NB

RCA2CR-RP3NB
RCA2CR-RP4NB

RCA2CR-GS3NB
RCA2CR-GS4NB

RCA2CR-GD3NB

RCA2CR-SD3NB
RCA2CR-SD4NB

RCS2CR series

Clean room Specification | 200V AC servo motor

RCS2CR-RN5NB

RCS2CR-RP5NB

RCS2CR-GS5NB

RCS2CR-GD5NB

RCS2CR-SD5NB

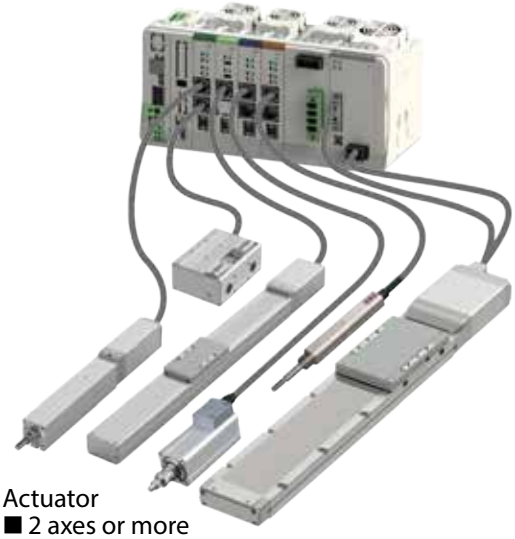
Applicable controller

1 axis	2 axes or more	Complicated movement (program type)

ACON/SCON controller

Actuator
■ 1 axis

RCON controller



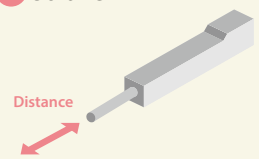
Actuator
■ 2 axes or more

RSEL controller

■Operations with a 2D/3D trajectory
■Palletizing operations
■Registration of multi-axis operations

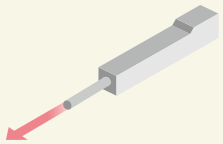
Description of Table and Reference Pages

1 Stroke



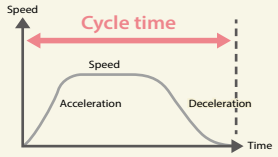
* The belt length shows selectable strokes.
Ex.) RN3NB can select 30mm and 50mm.

2 Maximum speed (operation speed)



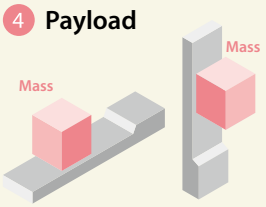
* Figures in < > represent operations in vertical use.

3 Cycle time



* One-way travel time of an operation with maximum stroke and horizontal mount, at maximum speed and maximum acceleration/deceleration.

4 Payload



* Payload changes depending on acceleration and mounting posture.

Series	Type	Stroke (mm) and maximum speed (mm/s) * Belt length = stroke * Figures in the belt are max. speed by stroke. Figures in < > represent operations in vertical use.	Lead (mm)	Rated thrust force (N)	Payload (kg) Horizontal	Payload (kg) Vertical
		25 / 30 / 50 / 75 / 100 / 150				
RCA2CR	RN3NB	200 0.353 seconds	4	42.7	0.75	0.25
		100 0.635 seconds	2	85.5	1.5	0.5
		50 1.107 seconds	1	170.9	3	1
	RN4NB	270〈220〉 300 0.304 seconds	6	33.8	2	0.5
		200 0.353 seconds	4	50.7	3	0.75
		100 0.645 seconds	2	101.5	6	1.5
	RP3NB	200 0.353 seconds	4	42.7	0.75	0.25
		100 0.635 seconds	2	85.5	1.5	0.5
		50 1.107 seconds	1	170.9	3	1
	RP4NB	270〈220〉 300 0.304 seconds	6	33.8	2	0.5
		200 0.353 seconds	4	50.7	3	0.75
		100 0.645 seconds	2	101.5	6	1.5
	GS3NB	200 0.353 seconds	4	42.7	0.75	0.25
		100 0.635 seconds	2	85.5	1.5	0.5
		50 1.107 seconds	1	170.9	3	1
	GS4NB	270〈220〉 300 0.304 seconds	6	33.8	2	0.5
		200 0.353 seconds	4	50.7	3	0.75
		100 0.645 seconds	2	101.5	6	1.5
	GD3NB	200 0.353 seconds	4	42.7	0.75	0.25
		100 0.635 seconds	2	85.5	1.5	0.5
		50 1.107 seconds	1	170.9	3	1
	GD4NB	270〈220〉 300 0.304 seconds	6	33.8	2	0.5
		200 0.353 seconds	4	50.7	3	0.75
		100 0.645 seconds	2	101.5	6	1.5
	SD3NB	200 0.353 seconds	4	42.7	0.75	0.25 (Note 1)
		100 0.635 seconds	2	85.5	1.5	0.5 (Note 1)
		50 1.107 seconds	1	170.9	3	1 (Note 1)
	SD4NB	240〈220〉 300 0.387 seconds	6	33.8	2	0.5 (Note 1)
		200 0.478 seconds	4	50.7	3	0.75 (Note 1)
		100 0.895 seconds	2	101.5	6	1.5 (Note 1)
RCS2CR	RN5NB	280〈230〉 380〈330〉 0.442 seconds	10	89	5	1.5
		250〈230〉 250 0.498 seconds	5	178	10	3
		125 0.761 seconds	2.5	356	20	6
	RP5NB	280〈230〉 380〈330〉 0.442 seconds	10	89	5	1.5
		250〈230〉 250 0.498 seconds	5	178	10	3
		125 0.761 seconds	2.5	356	20	6
	GS5NB	280〈230〉 380〈330〉 0.442 seconds	10	89	5	1.5
		250〈230〉 250 0.498 seconds	5	178	10	3
		125 0.761 seconds	2.5	356	20	6
	GD5NB	280〈230〉 380〈330〉 0.442 seconds	10	89	5	1.5
		250〈230〉 250 0.498 seconds	5	178	10	3
		125 0.761 seconds	2.5	356	20	6
	SD5NB	280〈230〉 380〈330〉 0.442 seconds	10	89	5	1.5 (Note 1)
		250〈230〉 250 0.498 seconds	5	178	10	3 (Note 1)
		125 0.761 seconds	2.5	356	20	6 (Note 1)

* Figures in < > represent operations in vertical use. (Note 1) When the actuator is fixed.

RCP2CR series

Clean room Specification | Slide | Lever | 24v stepper motor

RCP2CR-GRSS

RCP2CR-GRLS

RCP2CR-GRS

RCP2CR-GRM

RCP2CR-GR3SS

RCP2CR-GR3SM

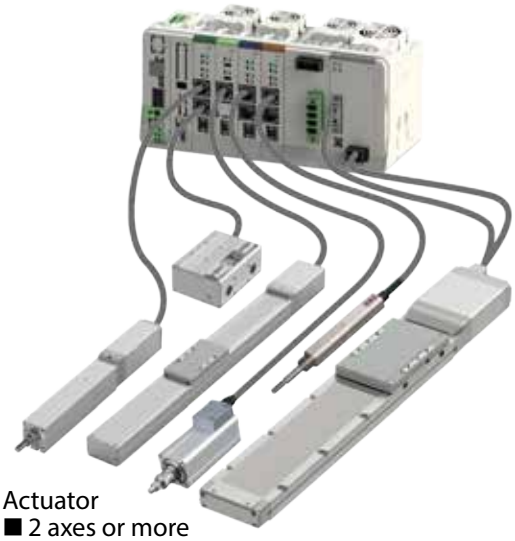
Applicable controller

1 axis	2 axes or more	Complicated movement (program type)

PCON controller

Actuator
■ 1 axis

RCON controller



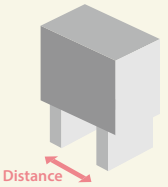
Actuator
■ 2 axes or more

RSEL controller

■Operations with a 2D/3D trajectory
■Palletizing operations
■Registration of multi-axis operations

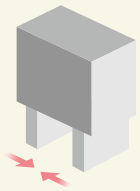
Description of Table and Reference Pages

1 Stroke (both sides)

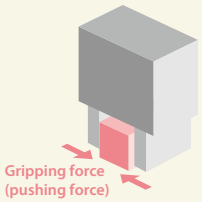


* The belt length shows selectable strokes.
Ex.) GRSS can select 8mm.

2 Max. speed (one side)



3 Max. gripping force (both sides)



Type	Stroke (mm) and maximum speed (mm/s) * Belt length = stroke * Figures in the belt are max. speed by stroke. Figures in < > represent operations in vertical use.				Rated thrust force (N)
	8mm	10mm	14mm	180 degrees	
GRSS	78				14
GRLS				600	6.4
GRS		33			21
GRM			36		80
GR3SS		40			22
GR3SM			50		102

Rotary / Cleanroom Specification

RCP2CR series

Clean room Specification | 24V stepper motor

RCP2CR-RTBS

RCP2CR-RTB

RCP2CR-RTBB

RCP2CR-RTCS

RCP2CR-RTC

RCP2CR-RTCB

DDACR series

Clean room Specification | Direct drive motor

DDACR-LT18C

DDACR-LH18C

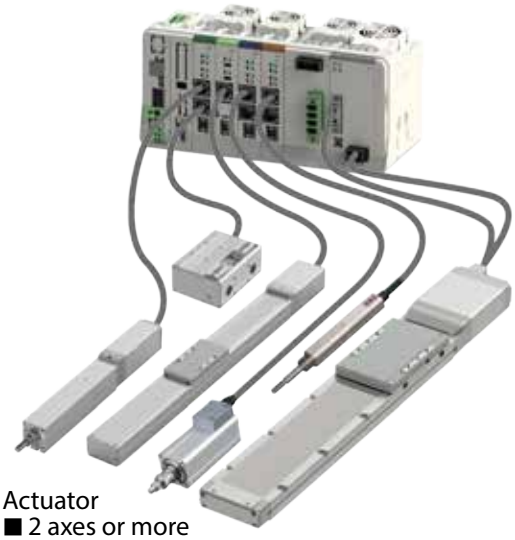
Applicable controller

1 axis	2 axes or more	Complicated movement (program type)

PCON controller

Actuator
■ 1 axis

RCON controller



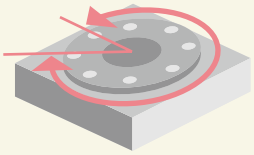
Actuator
■ 2 axes or more

RSEL controller

■Operations with a 2D/3D trajectory
■Palletizing operations
■Registration of multi-axis operations

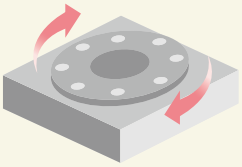
Description of Table and Reference Pages

1 Swaying angle

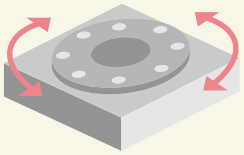


* The belt length shows operable swaying angles.

2 Max. speed (rotational speed)



3 Allowable moment of inertia



*Allowable moment of inertia varies depending on rotational speed.

Series	Type	Swaying angle (degree) and Max. speed (degree/s)				Max. torque (N)	Allowable moment of inertia (kg・m2)
		300	330	360	Multi-rotation		
RCP2CR	RTBS RTCS	400				0.24	0.0023
		266				0.36	0.0035
	RTBSL RTCSL	400				0.24	0.0023
		266				0.36	0.0035
	RTB RTC	600				1.1	0.01
		400				1.7	0.015
	RTBL RTCL	600				1.1	0.01
		400				1.7	0.015
	RTBB RTCB	600				3.0	0.02
		400				4.6	0.03
	RTCBL RTBBL	600				3.0	0.02
		400				4.6	0.03
DDACR	LT18C	1800				25.2	0.6
	LH18C	1440				75	1.8

SCARA Robot / Cleanroom Specification

IXP series

Clean room Specification | Battery absolute | 24v stepper motor

IXP-3C3515
IXP-4C3515

IXP-3C4515
IXP-4C4515

IXP-3C5520
IXP-4C5520

IXP-3C6520
IXP-4C6520

IX series

Clean room Specification | 200v AC servo motor

IX-NNC1205
IX-NNC1505
IX-NNC1805

IX-NNC2515H
IX-NNC3515H

IX-NNC50□□H
IX-NNC60□□H
IX-NNC70□□H
IX-NNC80□□H

Applicable controller

IXP series

MSEL controller

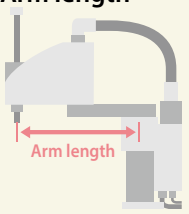
Actuator
■ 1 axis

IX series

XSEL controller

Description of Table and Reference Pages

1 Arm length

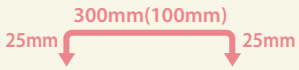


* Shows the maximum distance from the 1st arm center to the 3rd/4th rotational center.

2 Combined maximum speed

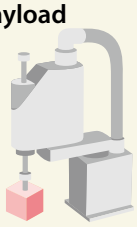
* The combined speed of the 1st and 2nd arms.
* Speed varies depending on the operating conditions.

3 Standard cycle time



*Reciprocating travel time with horizontal transfer of 300mm (100mm for 180 stroke or less) and vertical transfer of 25mm.
[payload]
IXP 350,450…1kg
IX 120,150,180…0.2kg
IX 700,800…5kg
All others … 2kg

4 Payload



* Payload varies depending on acceleration/deceleration speed.

Series	Type	Arm length (mm) and combined max. speed (mm/s) * The belt length = arm length * Figures in the belt = Max. speed of 1st and 2nd arm lengths									Standard cycle time (sec.)	Payload (kg)		Vertical axis stroke (mm)	
		120	150	180	250	350	500	600	700	800		Rated	Max.	Standard	Optional
IXP	3C3515					2399					0.76	1	3	150	–
	4C3515					2399					0.76	1	3	150	–
	3C4515						2194				0.74	1	3	150	–
	4C4515						2194				0.74	1	3	150	–
	3C5520							2501			0.79	2	6	200	–
	4C5520							2501			0.79	2	6	200	–
	3C6520								2314		0.93	2	6	200	–
	4C6520								2314		0.93	2	6	200	–
IX	NNC1205	2053									0.38	0.2	1	50	–
	NNC1505		2304								0.38	0.2	1	50	–
	NNC1805			2555							0.41	0.2	1	50	–
	NNC2515H				3191						0.44	1	3	150	–
	NNC3515H					4042					0.46	1	3	150	–
	NNC5020 (5030) H						6381				0.41	2	10	200	300
	NNC6020 (6030) H							7232			0.45	2	10	200	300
	NNC7020 (7040) H								7010		0.45	5	20	200	400
	NNC8020 (8040) H									7586	0.46	5	20	200	400