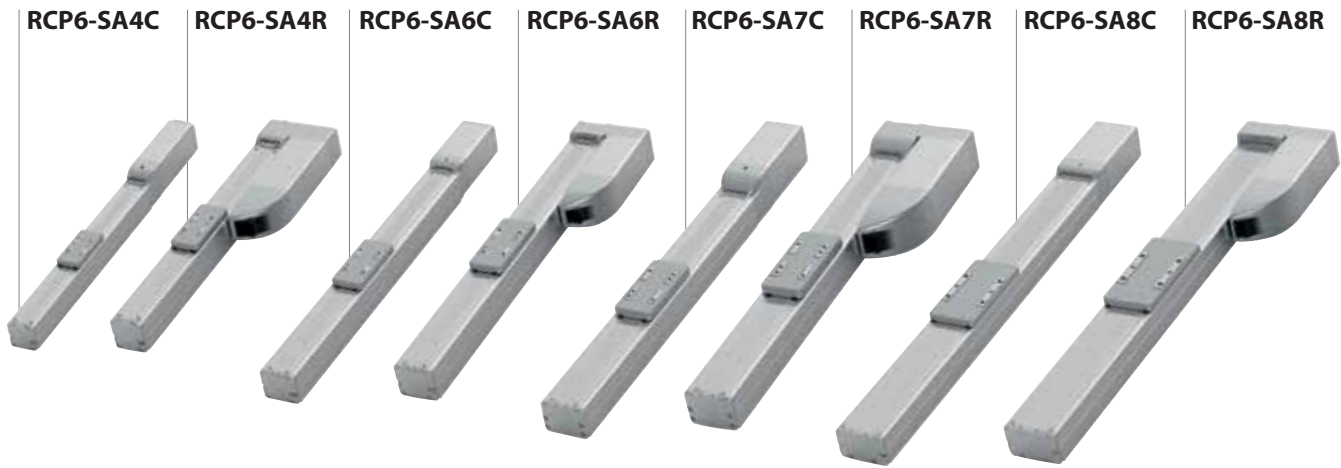


Single-Axis Robot / Slider

RCP6-SA series



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



Applicable controllers

1 axis

2 axes or more

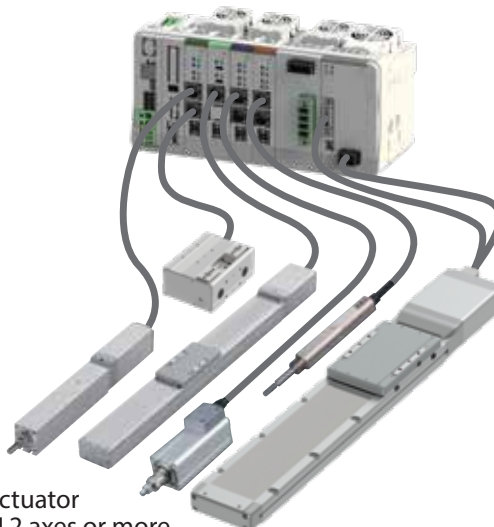
Complicated movement
 (program type)

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 the Table

1 Stroke

Distance

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

* The max. speed varies depending on the stroke.
Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
* Figures in < > show a vertical operation.

3 Cycle time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

Mass (weight)
Horizontal Vertical
* Payload varies depending on acceleration/deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)															Lead (mm)	Payload (kg)			
	* The distance = stroke. * Figures show max. speed by stroke.																Horizontal	Vertical		
	50~400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100				1150	1200
SA4C	1260	1060	875	0.763 sec.												16	7	1.5		
	785	675	555	1.058 sec.												10	12	3		
	390	330	275	1.939 sec.												5	14	5.5		
	195	165	135	3.798 sec.												2.5	18	12		
SA4R	1260 (1120)	1060	875	0.763 sec.												16	7	1.5		
	785	675	555	1.058 sec.												10	12	3		
	390	330	275	1.939 sec.												5	14	5.5		
	195	165	135	3.798 sec.												2.5	18	12		
SA6C	1440 (1280)	1335 (1280)	1130	970	840	735	650	575	1.55 sec.							20	15	1		
	900	885	735	620	535	460	405	355	315	2.666 sec.						12	28	2.5		
	450	435	365	305	265	230	200	175	155	5.26 sec.						6	32	6		
	225	215	180	150	130	115	100	85	75	10.743 sec.						3	40	16		
SA6R	1280 (1120)	1130 (1120)	970	840	735	650	575	1.55 sec.							20	15	1			
	900 (800)	885 (800)	735	620	535	460	405	355	315	2.666 sec.						12	28	2.5		
	450	435	365	305	265	230	200	175	155	5.26 sec.						6	32	6		
	225	215	180	150	130	115	100	85	75	10.743 sec.						3	40	14		
SA7C	1200			1095	965	850	760	1.253 sec.								24	37	3		
	980	840	965 (840)	830	720	635	560	500	1.75 sec.							16	46	8		
	490	475	410	355	315	275	245	3.381 sec.							8	51	16			
	245	210	235 (210)	205	175	155	135	120	6.757 sec.							4	55	25		
SA7R	1080			965	850	760	1.253 sec.								24	37	3			
	840	700	830 (700)	720 (700)	635	560	500	1.75 sec.							16	46	8			
	420	410	355	315	275	245	3.381 sec.							8	51	16				
	210	205	175	155	135	120	6.757 sec.							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
SA8R	1200			850	1155 (850)	1040 (850)	940 (850)	855 (850)	780	715	660	1.856 sec.					30	26	3	
	1000			800	950 (800)	860 (800)	770	695	630	570	520	480	440	2.663 sec.				20	55	4
	500			480 (450)	430	385	345	310	285	260	235	220	5.129 sec.					10	70	25
	250			240	215	190	175	155	145	130	120	110	10.101 sec.					5	80	55

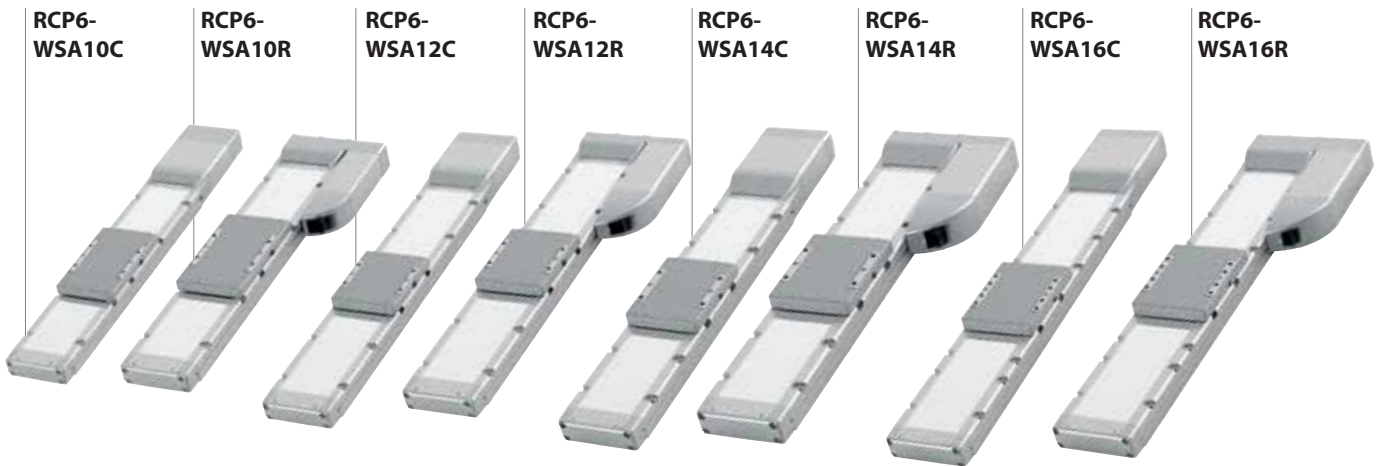
※ < > when vertical use

Single-Axis Robot / Slider

RCP6-WSA series



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



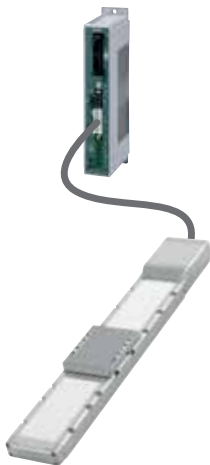
Applicable controllers

1 axis

2 axes or more

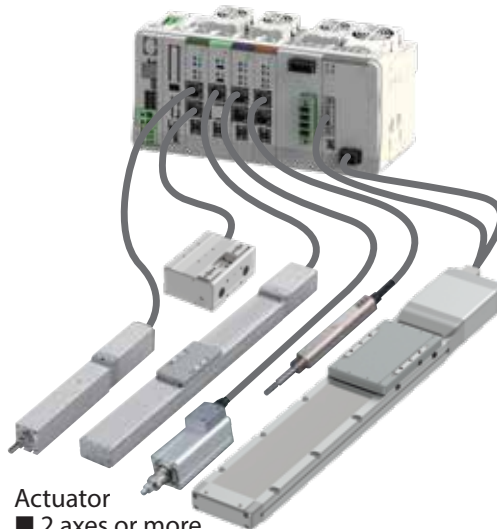
Complicated movement
(program type)

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 the Table

1 Stroke

Distance

* The distance shows the selectable stroke.
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Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
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3 Cycle time

Speed
Cycle time
Speed
Deceleration
Acceleration
Time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

Mass (weight)
Mass (weight)
Horizontal Vertical

* Payload varies depending on acceleration/deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)																Lead (mm)	Payload (kg)												
	* The distance = stroke. * Figures show max. speed by stroke.																	Horizontal	Vertical											
	50-300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050				1100	1150	1200								
WSA10C	840			775		660		0.926 sec.									16	4	—											
	610		590		490		415		1.345 sec.									10	15	—										
	390 (350)		355 (350)		290		245		205		2.548 sec.									5	28	3								
	195 (175)		175		145		120		100		5.084 sec.									2.5	40	10								
WSA10R	840			775		660		0.926 sec.									16	4	—											
	610		590		490		415		1.345 sec.									10	15	—										
	390 (350)		355 (350)		290		245		205		2.548 sec.									5	28	3								
	195 (175)		175		145		120		100		5.084 sec.									2.5	40	10								
WSA12C	800				740		650		580		520		1.691 sec.						20	12	—									
	600			535		465		405		355		315		285		2.292 sec.						12	25	—						
	450 (400)		435 (400)		365		310		265		230		200		175		155		140		5.809 sec.						6	40	9	
	225		215		180		150		130		115		100		85		75		70		11.50 sec.						3	60	18	
WSA12R	800				740		650		580		520		1.691 sec.						20	12	—									
	600			535		465		405		355		315		285		2.929 sec.						12	25	—						
	450 (400)		435 (400)		365		310		265		230		200		175		155		140		5.809 sec.						6	40	9	
	225		215		180		150		130		115		100		85		75		70		11.501 sec.						3	60	16	
WSA14C	700					665					1.393 sec.											24	25	—						
	560				550			490		440			1.961sec.											16	50	—				
	420 <350>		400 (350)		350		305		270		240		215		3.831sec.											8	65	14		
	210 <175>		200 (175)		170		150		135		120		105		7.706 sec.											4	80	26		
WSA14R	700					665					1.372 sec.											24	25	—						
	560				550			490		440			1.961sec.											16	50	—				
	420 <350>		400 (350)		350		305		270		240		215		3.831sec.											8	65	14		
	175		170		150		135		120		105		7.706 sec.											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		1.084 sec.						5	100	50				
WSA16R	600					590					535		490		450		415		2.864 sec.						20	30	—			
	365 <210>			355 (210)		320 (210)		290 (210)		265 (210)		240 (210)		225 (210)		205		5.475 sec.						10	70	15				
	170 <145>			160 (145)		145		130		120		110		100		11.084 sec.						5	100	45						

※ < > when vertical use

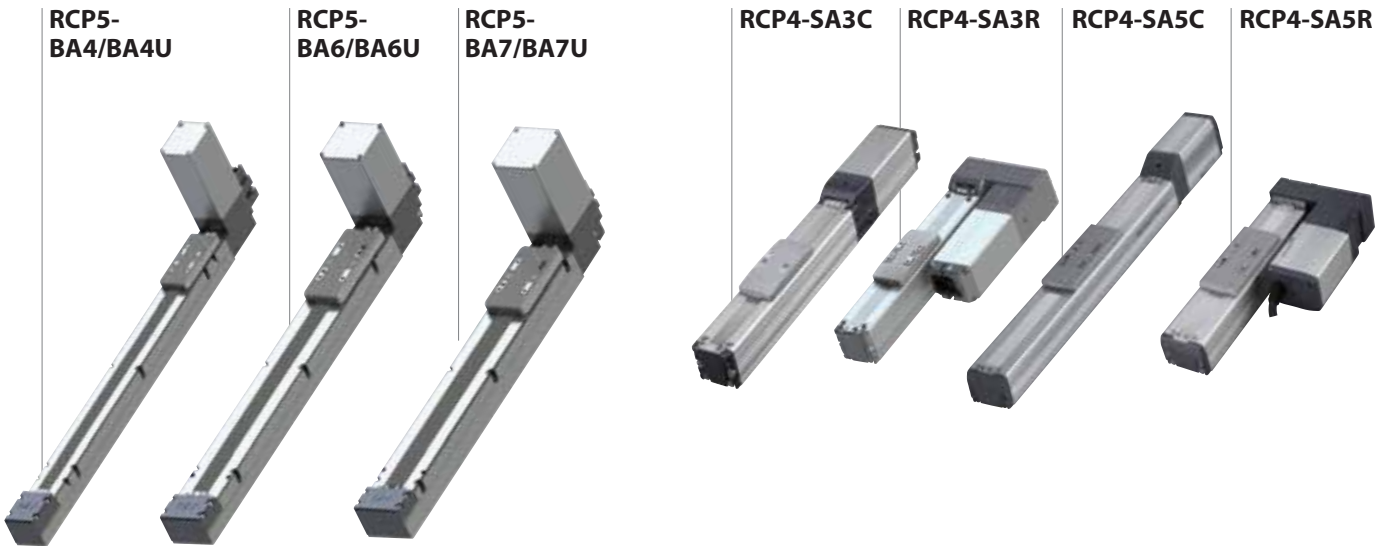
Single-Axis Robot / Slider

RCP5-BA series

- Simple dust proof
- Battery-less absolute
- Motor straight
- Belt type
- 24V stepper motor

RCP4 -SA series

- Simple dust proof
- Motor straight
- Side-mounted motor
- 24V stepper motor



Applicable controllers

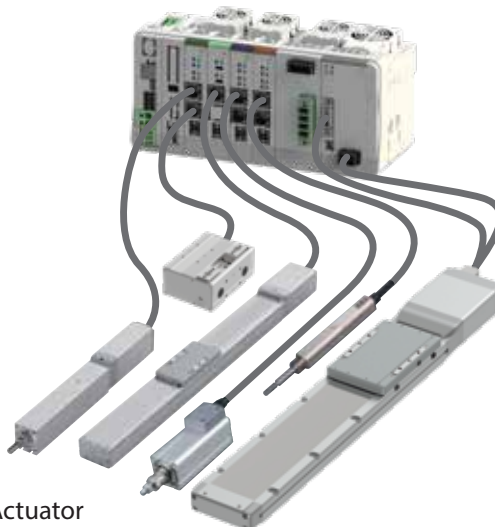
- 1 axis
- 2 axes or more
- Complicated movement (program type)

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 the Table

1 Stroke

Distance

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

* The max. speed varies depending on the stroke.
Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
* Figures in < > show a vertical operation.

3 Cycle time

Speed
Cycle time
Speed
Acceleration
Deceleration
Time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

Mass (weight)
Mass (weight)
Horizontal
Vertical

* Payload varies depending on acceleration/deceleration and mounting posture.

Series	Type	Stroke (mm) and maximum speed (mm/s)											Lead (mm)	Payload (kg)			
		* The distance = stroke. * Figures show max. speed by stroke.												Horizontal	Vertical		
		300	400	500	600	700	800	900	1000-1200	1300~2200	2300~2600						
RCP5	BA4	890	1040	1120	1160	1200				1.855 sec.			48 Equivalent	1.5	—		
	BA6	890	1070	1220	1340	1400	1440	1500				2.387 sec.			48 Equivalent	6	—
	BA7	890	1070	1220	1340	1450	1520	1550	1600				2.566 sec.			48 Equivalent	16

Series	Type	Stroke (mm) and maximum speed (mm/s)																		Lead (mm)	Payload (kg)					
		* The distance = stroke. * Figures show max. speed by stroke.																			Horizontal	Vertical				
		25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950					
RCP4	SA3C	420				0.855 sec.														6	3	1.5				
		280				1.193 sec.														4	5	2.5				
		140				2.239 sec.														2	8	3.5				
	SA3R	420				0.855 sec.														6	3	1.5				
		280				1.193 sec.														4	5	2.5				
		140				2.239 sec.														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
	SA5R	1440 <1120>				1225 (1120)	1045	900	785	690	610	1.474秒											20	6.5	1	
		900 <800>				795	665	570	490	425	375	330	2.553秒											12	9	2.5
450				395	335	285	245	215	185	165	4.95秒											6	18	6		
225				195	165	140	120	105	90	80	10.079秒											3	20	12		

※ < > when vertical use

Single-Axis Robot / Slider

RCP3-SA series



24V
stepper
motor

RCP3-SA2AC
RCP3-SA2BC



RCP3-SA3C



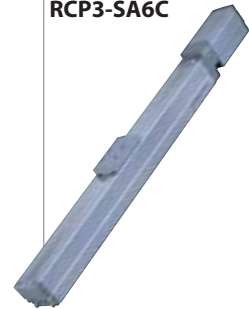
RCP3-SA4C



RCP3-SA5C



RCP3-SA6C



RCP3-SA2AR
RCP3-SA2BR



RCP3-SA3R



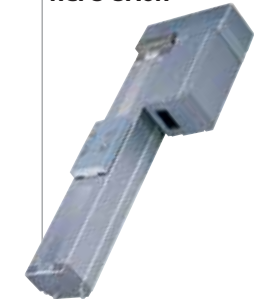
RCP3-SA4R



RCP3-SA5R



RCP3-SA6R



Applicable controllers

1 axis

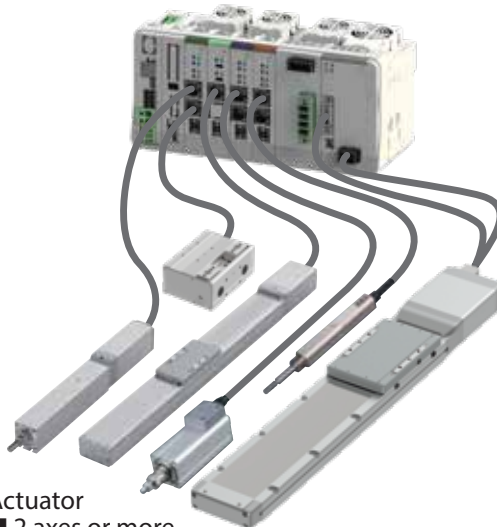
PCON Controller



Actuator
■ 1 axis

2 axes or more

RCON Controller



Actuator
■ 2 axes or more

Complicated movement
(program type)

RSEL Controller



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

Description of the Table

1 Stroke

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

* The max. speed varies depending on the stroke.
Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
* Figures in < > show a vertical operation.

3 Cycle time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

* Payload varies depending on acceleration/deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)											Lead (mm)	Payload (kg)						
	* The distance = stroke. * Figures show max. speed by stroke.												Horizontal	Vertical					
	25	50	100	150	200	250	300	350	400	450	500				550	600	650	700	750
SA2AC SA2AR	180	200	0.63 sec.									4	0.25	—					
	100		1.078 sec.									2	0.5	—					
	50		2.049 sec.									1	1	—					
SA2BC SA2BR	180	280	300	0.681 sec.									6	0.25	—				
	180	200		0.88 sec.									4	0.5	—				
	100			1.578 sec.									2	1	—				
SA3C	300					1.137 sec.						6	1	0.5					
	200					1.603 sec.						4	2	1					
	100					3.078 sec.						2	3	1.5					
SA3R	300					1.137 sec.						6	1	0.5					
	200					1.603 sec.						4	2	1					
	100					3.078 sec.						2	3	1.5					
SA4C	500				1.122 sec.							10	9	1.5					
	250				2.083 sec.							5	10	4					
	125				4.06 sec.							2.5	11	8					
SA4R	500				1.205 sec.							10	9	1.5					
	250				2.119 sec.							5	10	4					
	125				4.091 sec.							2.5	11	8					
SA5C	1000					910	790	690	610	1.449 sec.			20	4	0.5				
	600					570	490	425	370	330	2.52 sec.			12	8	2			
	300					285	245	210	185	165	4.917 sec.			6	12	5			
	150					140	120	105	90	80	10.047 sec.			3	19	10			
SA5R	600					570	490	425	370	330	2.571 sec.			12	8	2			
	300					285	245	210	185	165	4.938 sec.			6	12	5			
	150					140	120	105	90	80	10.066 sec.			3	19	10			
SA6C	1000					910	790	690	610	1.449 sec.			20	4	0.5				
	600					570	490	425	370	330	2.52 sec.			12	6	2			
	300					285	245	210	185	165	4.917 sec.			6	12	5			
	150					140	120	105	90	80	10.047 sec.			3	19	10			
SA6R	600					570	490	425	370	330	2.571 sec.			12	8	2			
	300					285	245	210	185	165	4.938 sec.			6	12	5			
	150					140	120	105	90	80	10.066 sec.			3	19	10			

Single-Axis Robot / Slider

RCA series

- Simple dust proof
- Battery-less absolute
- Motor straight
- Side-mounted motor
- 24V stepper motor

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



Applicable controllers

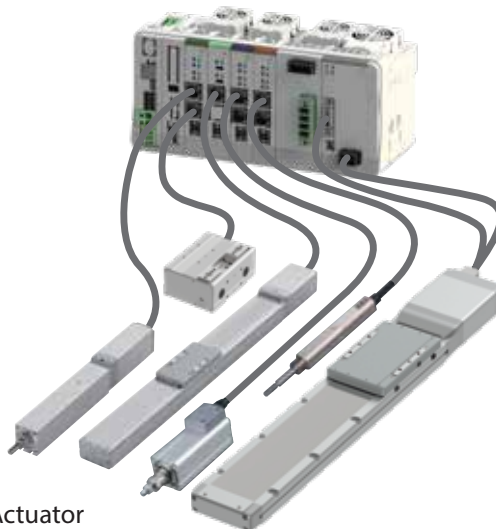
- 1 axis
- 2 axes or more
- Complicated movement (program type)

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 the Table

1 Stroke

Distance

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3 Cycle time

Cycle time

Speed

Acceleration

Deceleration

Time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

Mass (weight)

Horizontal

Vertical

* Payload varies depending on acceleration/deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)															Lead (mm)	Payload (kg)	
	* The distance = stroke. * Figures show max. speed by stroke.																Horizontal	Vertical
	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900			
SA4C	665						0.777 sec.		10	4	1							
	330						1.357 sec.		5	6	2.5							
	165						2.552 sec.		2.5	8	4.5							
SA4R	665						0.804 sec.		10	4	1							
	330						1.374 sec.		5	6	2.5							
	165						2.557 sec.		2.5	8	4.5							
SA5C	1300 <800>										0.608 sec.		20	2	0.5			
	800										760	0.841sec.		12	4	1		
	400										380		1.471sec.		6	8	2	
	200										190		2.784 sec.		3	12	4	
SA5R	800										760	0.872 sec.		12	4	1		
	400										380		1.488 sec.		6	8	2	
	200										190		2.784 sec.		3	12	4	
SA6C	1300 <800>										1160 (800)	990 (800)	0.838 sec.		20	3	0.5	
	800										760	640	540	1.299 sec.		12	6	1.5
	400										380	320	270	2.36 sec.		6	12	3
	200										190	160	135	4.567 sec.		3	18	6
SA6R	800										760	640	540	1.324 sec.		12	6	1.5
	400										380	320	270	2.372 sec.		6	12	3
	200										190	160	135	4.574 sec.		3	18	6

※ < > when vertical use

Single-Axis Robot / Slider

RCS4-SA series



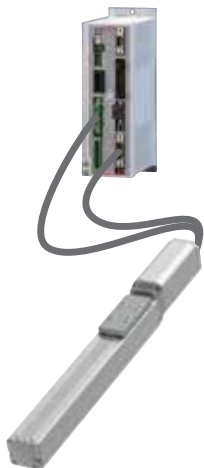
Battery-less Absolute Encoder
 No Battery, No Maintenance,
 No Homing, and No Price Increase.
 No Going Back to Incremental.



Applicable controllers

1 axis

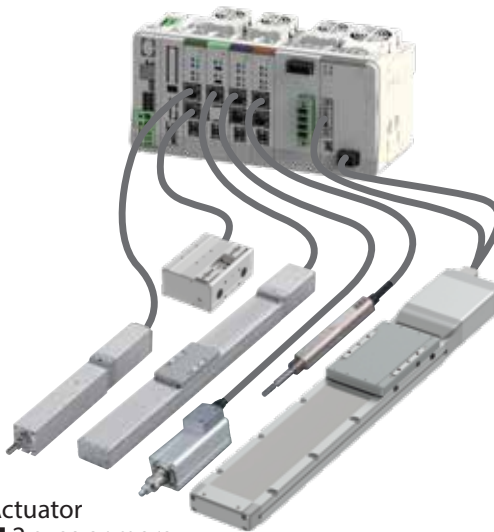
SCON Controller



Actuator
 ■ 1 axis

2 axes or more

RCON Controller



Actuator
 ■ 2 axes or more

Complicated movement
 (program type)

RSEL Controller



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

Description of the Table

1 Stroke

Distance

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

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3 Cycle time

Speed
Cycle time
Speed
Deceleration
Acceleration
Time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

Mass (weight)
Mass (weight)
Horizontal
Vertical

* Payload varies depending on acceleration/deceleration and mounting posture.

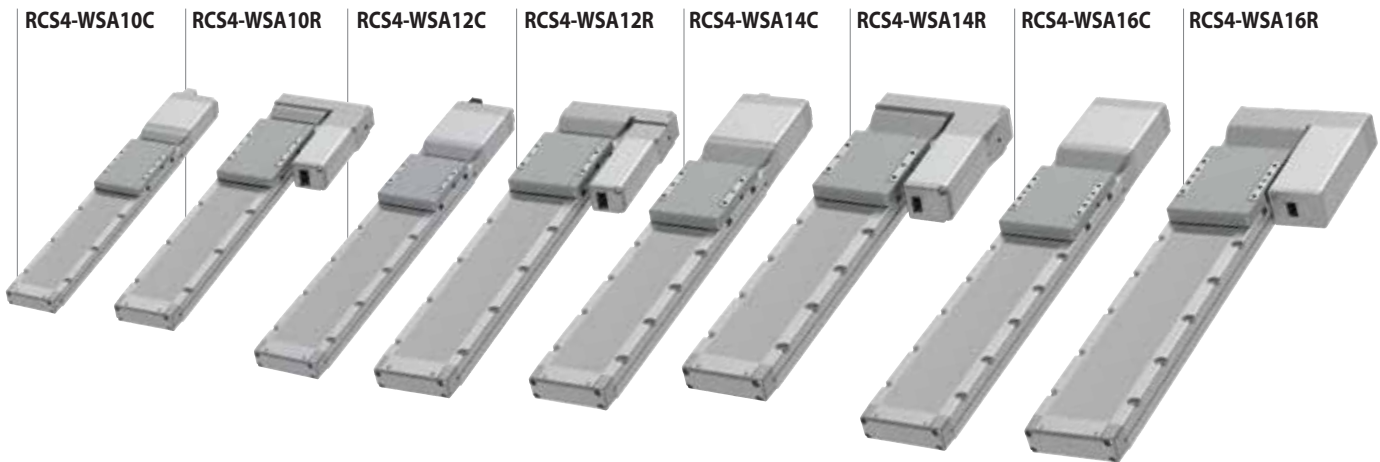
Type	Stroke (mm) and maximum speed (mm/s)														Lead (mm)	Payload (kg)												
	* The distance = stroke. * Figures show max. speed by stroke.															Horizontal	Vertical											
	50-450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200												
SA4C	960	875	0.804 sec.														16	10	3									
	600	555	1.101 sec.														10	14	5									
	300	275	1.983 sec.														5	17	8									
	150	135	3.84 sec.														2.5	20	12									
SA4R	960	875	0.814 sec.														16	10	2.5									
	600	555	1.107 sec.														10	14	4.5									
	300	275	1.983 sec.														5	17	8									
	150	135	3.84 sec.														2.5	20	12									
SA6C	1600	1450	1260	1100	970	860	1.162 sec.														30	11	3.5					
	1200	1130	970	840	735	650	575	1.594 sec.														20	18	6				
	720	620	535	460	405	355	315	2.709 sec.														12	30	11				
	360	305	265	230	200	175	155	5.299 sec.														6	45	15				
	180	150	130	115	100	85	75	10.777 sec.														3	45	15				
SA6R	1600	1450	1260	1100	970	860	1.172 sec.														30	11	3					
	1200	1130	970	840	735	650	575	1.6 sec.														20	18	5				
	720	620	535	460	405	355	315	2.712 sec.														12	30	9				
	360	305	265	230	200	175	155	5.299 sec.														6	45	15				
	180	150	130	115	100	85	75	10.777 sec.														3	45	15				
SA7C	1800	1620	1420	1260	1120	0.97 sec.														36	7	4						
	1500	1440	1240	1095	965	850	760	1.274 sec.														24	30	7				
	1000	965	830	720	635	560	500	1.794 sec.														16	40	12				
	500	475	410	355	315	275	245	3.425 sec.														8	45	20				
	240	235	205	175	155	135	120	6.798 sec.														4	50	25				
SA7R	1800	1620	1420	1260	1120	0.984 sec.														36	7	4						
	1500	1440	1240	1095	965	850	760	1.283 sec.														24	30	6				
	1000	965	830	720	635	560	500	1.799 sec.														16	38	12				
	500	475	410	355	315	275	245	3.425 sec.														8	45	18				
	240	235	205	175	155	135	120	6.798 sec.														4	50	25				
SA8C	2200	2180	1950	1760	1590	1450	1320	1210	1100	1.24 sec.														48	8	—		
	1800	1640	1440	1280	1155	1040	940	855	780	715	660	1.88 sec.														30	30	12
	1200	1090	960	860	770	695	630	570	520	480	440	2.69 sec.														20	60	20
	600	540	480	430	385	345	310	285	260	235	220	5.16 sec.														10	80	35
	300	270	240	215	190	175	155	140	130	120	110	10.13 sec.														5	90	45
SA8R	2100	1950	1760	1590	1450	1320	1210	1100	1.26 sec.														48	8	—			
	1800	1640	1440	1280	1155	1040	940	855	780	715	660	1.89 sec.														30	30	12
	1200	1090	960	860	770	695	630	570	520	480	440	2.70 sec.														20	60	20
	600	540	480	430	385	345	310	285	260	235	220	5.16 sec.														10	80	35
	300	270	240	215	190	175	155	140	130	120	110	10.13 sec.														5	90	45

Single-Axis Robot / Slider

RCS4-WSA series



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



Applicable controllers

1 axis

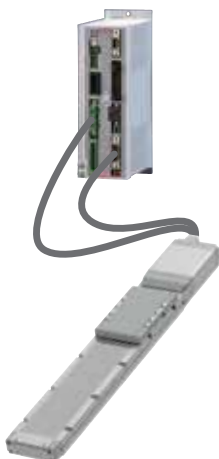
2 axes or more

Complicated movement
(program type)

SCON Controller

RCON Controller

RSEL Controller



Actuator
 ■ 1 axis

Actuator
 ■ 2 axes or more

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

Description of the Table

1 Stroke

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

* The max. speed varies depending on the stroke.
Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
* Figures in < > show a vertical operation.

3 Cycle time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

* Payload varies depending on acceleration/ deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)															Lead (mm)	Payload (kg)		
	* The distance = stroke. * Figures show max. speed by stroke.																Horizontal	Vertical	
	50-350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050				1100
WSA10C	960	930	775	660	0.969 sec.											16	7	—	
	600	590	490	415	1.388 sec.											10	16	3	
	300	290	245	205	2.59 sec.											5	27	5	
	150	145	120	100	5.123 sec.											2.5	40	10	
WSA10R	960	930	775	660	0.976 sec.											16	7	—	
	600	590	490	415	1.392 sec.											10	16	3	
	300	290	245	205	2.59 sec.											5	27	5	
	150	145	120	100	5.123 sec.											2.5	40	10	
WSA12C	1600	1450	1260	1100	970	860	770	1.262 sec.								30	5	—	
	1200	1130	970	840	740	650	580	520	1.735 sec.								20	15	3
	720	610	535	465	405	355	315	285	2.971 sec.								12	25	8
	360	310	265	230	200	175	155	140	5.848 sec.								6	45	15
	180	150	130	115	100	85	75	70	11.538 sec.								3	55	15
WSA12R	1600	1450	1260	1100	970	860	770	1.27 sec.								30	5	—	
	1200	1130	970	840	740	650	580	520	1.74 sec.								20	13	3
	720	610	535	465	405	355	315	285	2.974 sec.								12	23	8
	360	310	265	230	200	175	155	140	5.848 sec.								6	43	15
	180	150	130	115	100	85	75	70	11.538 sec.								3	55	15
WSA14C	1800	1590	1400	1240	1100	990	1.052 sec.								36	7	—		
	1440	1420	1220	1060	930	830	740	665	1.415 sec.								24	20	2.5
	960	920	790	690	610	550	490	440	2.005 sec.								16	45	8
	480	460	400	350	305	270	240	215	3.874 sec.								8	65	10
	240	230	200	170	150	135	120	105	7.744 sec.								4	80	25
WSA14R	1710	1590	1400	1240	1100	990	1.064 sec.								36	7	—		
	1440	1420	1220	1060	930	830	740	665	1.422 sec.								24	20	2.5
	960	920	790	690	610	550	490	440	2.009 sec.								16	45	8
	480	460	400	350	305	270	240	215	3.874 sec.								8	65	10
	240	230	200	170	150	135	120	105	7.744 sec.								4	75	25
WSA16C	1800	1680	1480	1320	1180	1060	960	870	790	730	670	620	1.99 sec.	30	30	12			
	1200	1120	990	880	780	715	645	590	535	490	450	415	2.84 sec.	20	60	20			
	600	560	490	440	395	355	320	290	265	240	225	205	5.52 sec.	10	80	35			
	300	280	240	220	195	175	160	145	130	120	110	100	11.13 sec.	5	100	50			
WSA16R	1800	1680	1480	1320	1180	1060	960	870	790	730	670	620	1.99 sec.	30	30	12			
	1200	1120	990	880	780	715	645	590	535	490	450	415	2.84 sec.	20	60	18			
	600	560	490	440	395	355	320	290	265	240	225	205	5.52 sec.	10	80	35			
	300	280	240	220	195	175	160	145	130	120	110	100	11.13 sec.	5	100	50			

Single-Axis Robot / Slider

RCS3 series

Simple dust proof

Battery-less absolute

Motor straight

Side-mounted motor

200V AC Servo Motor

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



Applicable controllers

1 axis

2 axes or more

Complicated movement
(program type)

SCON Controller

RCON Controller

RSEL Controller



Actuator
 ■ 1 axis

Actuator
 ■ 2 axes or more

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

Description of the Table

1 Stroke

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

* The max. speed varies depending on the stroke.
Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
* Figures in < > show a vertical operation.

3 Cycle time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

* Payload varies depending on acceleration/ deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)															Lead (mm)	Payload (kg)	
	* The distance = stroke. * Figures show max. speed by stroke.																Horizontal	Vertical
	50	100-500	550-600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200			
SA8C (100W)	1800	1610	1420	1260	1120	1010	910	830	760	690	1.794 sec.	30	8	2				
	1200	1070	940	840	750	670	610	550	500	460	2.576 sec.	20	20	4				
	600	530	470	410	370	340	310	270	250	230	4.945 sec.	10	40	8				
	300	260	230	200	180	170	150	135	120	110	10.138 sec.	5	80	16				
SA8R (100W)	1800	1610	1420	1260	1120	1010	910	830	760	690	1.809 sec.	30	8	2				
	1200	1070	940	840	750	670	610	550	500	460	2.585 sec.	20	20	4				
	600	530	470	410	370	340	310	270	250	230	4.945 sec.	10	40	8				
	300	260	230	200	180	170	150	135	120	110	10.138 sec.	5	80	16				
SA8C (150W)	1800	1660	1460	1295	1155	1035	935	850	775	1.497 sec.	30	12	3					
	1200	1105	970	860	770	690	625	565	515	2.127 sec.	20	30	6					
	600	550	485	430	385	345	310	280	255	4.083 sec.	10	60	12					
SA8R (150W)	1800	1660	1460	1295	1155	1035	935	850	775	1.513 sec.	30	12	3					
	1200	1105	970	860	770	690	625	565	515	2.143 sec.	20	30	6					
	600	550	485	430	385	345	310	280	255	4.089 sec.	10	60	12					
SS8C (100W)	1800	1660	1460	1295	1155	1035	935	850	775	1.497 sec.	30	8	2					
	1200	1105	970	860	770	690	625	565	515	2.132 sec.	20	20	4					
	600	550	485	430	385	345	310	280	255	4.089 sec.	10	40	8					
	300	275	240	215	190	170	150	140	125	8.147 sec.	5	80	16					
SS8R (100W)	1800	1660	1460	1295	1155	1035	935	850	775	1.513 sec.	30	8	2					
	1200	1105	970	860	770	690	625	565	515	2.143 sec.	20	20	4					
	600	550	485	430	385	345	310	280	255	4.089 sec.	10	40	8					
	300	275	240	215	190	170	150	140	125	8.147 sec.	5	80	16					
SS8C (150W)	1800	1660	1460	1295	1155	1035	935	850	775	1.497 sec.	30	12	3					
	1200	1105	970	860	770	690	625	565	515	2.127 sec.	20	30	6					
	600	550	485	430	385	345	310	280	255	4.083 sec.	10	60	12					
SS8R (150W)	1800	1660	1460	1295	1155	1035	935	850	775	1.513 sec.	30	12	3					
	1200	1105	970	860	770	690	625	565	515	2.143 sec.	20	30	6					
	600	550	485	430	385	345	310	280	255	4.089 sec.	10	60	12					
CT8C	2500	0.322 sec.	30	5	—													

Single-Axis Robot / Slider

RCS2 series

Simple dust proof

Battery-less absolute

Motor straight

Side-mounted motor

200V AC Servo Motor

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



Applicable controllers

1 axis

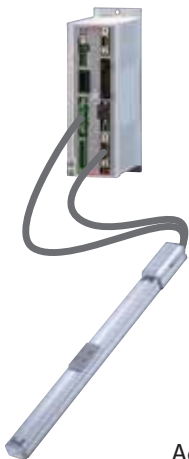
2 axes or more

Complicated movement
(program type)

SCON Controller

RCON Controller

RSEL Controller



Actuator
 ■ 1 axis



Actuator
 ■ 2 axes or more

To connect RCS2-SA4/SA5/SA6 to R unit (RCON/RSEL), an extension unit (RCON-EXT) and a SCON are needed additionally.



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

Description of the Table

1 Stroke

Distance

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

* The max. speed varies depending on the stroke.
Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
* Figures in < > show a vertical operation.

3 Cycle time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

Horizontal Vertical

* Payload varies depending on acceleration/deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)														Lead (mm)	Payload (kg)													
	* The distance = stroke. * Figures show max. speed by stroke.															Horizontal	Vertical												
	50	100	150	200	250	300	350	400	450	500	550	600	650	700				750	800	900	1000	1100	1150						
SA4C				1060				0.543 sec.												16	2.5	0.6							
				665				0.807 sec.												10	4	1							
				330				1.384 sec.												5	6	2.5							
				165				2.576 sec.												2.5	8	4.5							
SA4R				665				0.832 sec.												10	4	1							
				330				1.4 sec.												5	6	2.5							
				165				2.581 sec.												2.5	8	4.5							
SA5C				1300 (800)				0.64 sec.												20	2	0.5							
				800	760				0.871 sec.												12	4	1						
				400	380				1.498 sec.												6	8	2						
				200	190				2.807 sec.												3	12	4						
SA5R				800	760				0.902 sec.												12	4	1						
				400	380				1.514 sec.												6	8	2						
				200	190				2.807 sec.												3	12	4						
SA6C				1300 (800)				1160 (800)	990 (800)				0.838 sec.												20	3	0.5		
				800	760	640	540				1.299 sec.												12	6	1.5				
				400	380	320	270				2.386 sec.												6	12	3				
				200	190	160	135				4.589 sec.												3	18	6				
SA6R				800	760	640	540				1.324 sec.												12	6	1.5				
				400	380	320	270				2.397 sec.												6	12	3				
				200	190	160	135				4.596 sec.												3	18	6				
SA7C				1200				1150	960	890	720				1.314 sec.												24	8	1.4
				800				745	640	575	480				1.849 sec.												16	12	3
				400				370	320	285	240				3.488 sec.												8	25	6
				200				185	160	140	120				6.801 sec.												4	40	12
SA7R				800				745	640	575	480				1.871 sec.												16	12	3
				400				370	320	285	240				3.502 sec.												8	25	6
				200				185	160	140	120				6.805 sec.												4	40	12

※ < > when vertical use

Single-Axis Robot / Slider

ISB/ISPB series



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

ISB/ISPB-SXM-60
 ISB/ISPB-SXM-100
 ISB/ISPB-SXL-60
 ISB/ISPB-SXL-100



ISB/ISPB-MXM-100
 ISB/ISPB-MXM-200
 ISB/ISPB-MXM-400
 ISB/ISPB-MXL-100
 ISB/ISPB-MXL-200
 ISB/ISPB-MXL-400



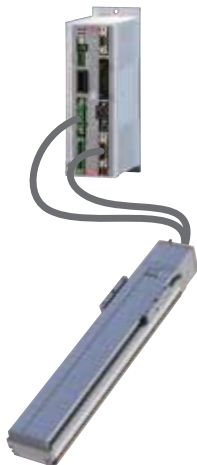
ISB/ISPB-MXMX-200
 ISB/ISPB-MXMX-400



Applicable controllers

1 axis

SCON Controller



Actuator
 ■ 1 axis

2 axes or more

RCON Controller



Actuator
 ■ 2 axes or more

Complicated movement
 (program type)

RSEL Controller



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

Description of the Table

1 Stroke

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

* The max. speed varies depending on the stroke.
Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
* Figures in < > show a vertical operation.

3 Cycle time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

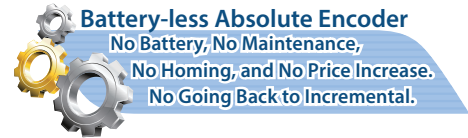
* Payload varies depending on acceleration/deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)															Lead (mm)	Payload (kg)			
	* The distance = stroke. * Figures show max. speed by stroke.																Horizontal	Vertical		
	100~550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250				1300	1350
SXM-60	960	655	515	415	☺ 2.446 sec.											16	13	3.5		
	480	330	260	210	☺ 4.413 sec.											8	27	7		
	240	165	130	100	☺ 9.126 sec.											4	55	14		
SXM-100	1100 ~2160	2000	1740	1520	1340	1190	1065	960	865	790	721	660	☺ 1.858 sec.				36	10	2	
SXL-60	960	655	515	415	☺ 2.398 sec.											16	13	3.5		
	480	330	260	210	☺ 4.319 sec.											8	27	7		
	240	165	130	100	☺ 8.926 sec.											4	55	14		
SXL-100	1425 ~2160	2000	1740	1520	1340	1190	1065	960	865	790	721	660	☺ 1.827 sec.				36	10	2	
MXM-100	1800		1290	1045	860	690	☺ 1.794 sec.					30	15	2.5						
	1200		860	695	570	460	☺ 2.571 sec.					20	23	5						
	600		430	345	280	230	☺ 4.92 sec.					10	45	10						
	300		215	170	140	115	☺ 9.697 sec.					5	85	20						
MXM-200	1800		1290	1045	860	690	☺ 1.794 sec.					30	30	6						
	1200		860	695	570	460	☺ 2.571 sec.					20	45	10						
	600		430	345	280	230	☺ 4.945 sec.					10	90	20						
	300		215	170	140	115	☺ 9.697 sec.					5	110	40						
MXM-400	1025~2500			2270	2030	1825	1645	1495	1365	1250	1150	1060	980	910	845	☺ 1.786 sec.		48	20	6
MXL-100	1800		1290	1045	860	690	☺ 1.751 sec.					30	15	2.5						
	1200		860	695	570	460	☺ 2.506 sec.					20	23	5						
	600		430	345	280	230	☺ 4.79 sec.					10	45	10						
	300		215	170	140	115	☺ 9.436 sec.					5	85	20						
MXL-200	1800		1290	1045	860	690	☺ 1.751 sec.					30	30	6						
	1200		860	695	570	460	☺ 2.506 sec.					20	45	10						
	600		430	345	280	230	☺ 4.814 sec.					10	90	20						
	300		215	170	140	115	☺ 9.436 sec.					5	110	40						
MXL-400	1325~2500			2270	2030	1825	1645	1495	1365	1250	1150	1060	980	910	845	☺ 1.751 sec.		48	20	6

Type	Stroke (mm) and maximum speed (mm/s)															Lead (mm)	Payload (kg)					
	* The distance = stroke. * Figures show max. speed by stroke.																Horizontal	Vertical				
	800 ~1100	1150 1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850				1900	1950	2000	2050
MXMX-200	1800	1650	1500	1425	1200	1050	900	825	750	675	☺ 3.24 sec.				30	30	—					
	1200	1100	1000	950	800	700	600	550	500	450	☺ 4.66 sec.				20	45	—					
MXMX-400	1700~2200			2065	1925	1805	1690	1590	1495	1410	1335	1265	1195	1135	1080	1025	980	☺ 2.42 sec.		48	20	—

Single-Axis Robot / Slider

ISB/ISPB series



ISB/ISPB-LXM-200
ISB/ISPB-LXM-400
ISB/ISPB-LXL-200
ISB/ISPB-LXL-400



ISB/ISPB-LXMX-200
ISB/ISPB-LXMX-400



ISB/ISPB-LXUWX-200
ISB/ISPB-LXUWX-400



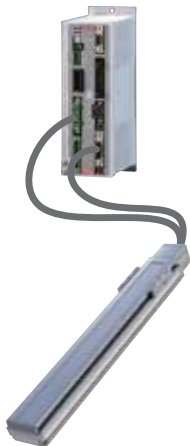
ISB-WXM-750
ISB-WXMX-750



Applicable controllers

1 axis

SCON Controller



Actuator
■ 1 axis

2 axes or more

RCON Controller



Actuator
■ 2 axes or more

Complicated movement
(program type)

RSEL Controller



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

Description of the Table

1 Stroke

Distance

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

* The max. speed varies depending on the stroke.
Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
* Figures in < > show a vertical operation.

3 Cycle time

Speed
Cycle time
Speed
Acceleration
Deceleration
Time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

Mass (weight)
Horizontal
Vertical
Mass (weight)

* Payload varies depending on acceleration/deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)											Lead (mm)	Payload (kg)	
	* The distance = stroke. * Figures show max. speed by stroke.												Horizontal	Vertical
	100~800	850 900	950 1000	1050 1100	1150 1200	1250 1300	1350 1400	1450 1500	1550 1600	1650 1700	1750 1800			
LXM-200	2400	1840	1530	1290	1100	880	🕒 1.691 sec.					40	15	4
	1200	920	765	645	550	440	🕒 3.106 sec.					20	45	10
	600	460	380	320	270	220	🕒 6.044 sec.					10	90	20
LXL-200	2400	1840	1530	1290	1100	880	🕒 1.657 sec.					40	15	4
	1200	920	765	645	550	440	🕒 3.037 sec.					20	45	10
	600	460	380	320	270	220	🕒 5.908 sec.					10	90	20
LXM-400	2400	1840	1530	1290	1100	880	🕒 1.691 sec.					40	40	10
	1200	920	765	645	550	440	🕒 3.172 sec.					20	90	20
	600	460	380	320	270	220	🕒 6.104 sec.					10	120	40
LXL-400	2400	1840	1530	1290	1100	880	🕒 1.657 sec.					40	40	10
	1200	920	765	645	550	440	🕒 3.104 sec.					20	90	20
	600	460	380	320	270	220	🕒 5.968 sec.					10	120	40
WXM	2500	2260	1840	1570	1360	🕒 1.233 sec.						50	80	14
	1250	1130	920	785	680	🕒 2.125 sec.						25	160	29
	600	460	380	320	270	235	🕒 5.697 sec.					10	200	65

Type	Stroke (mm) and maximum speed (mm/s)																					Lead (mm)	Payload (kg)					
	* The distance = stroke. * Figures show max. speed by stroke.																						Horizontal	Vertical				
	900~1000	1000~1200	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	2550 2600	2650 2700	2750 2800	2850 2900	2950 3000	3050 3100				3150 3200	3250 3300		
LXMX-200	1200	1150	1000	950	830	740	650	590	540	490	460	410	370	340	🕒 7.578 sec.											20	45	—
LXMX-400	2400	2300	2000	1900	1660	1480	1300	1180	1080	980	900	820	740	680	🕒 3.969 sec.											40	40	—
	1200	1150	1000	950	830	740	650	590	540	490	460	410	370	340	🕒 7.578 sec.											20	90	—
LXUWX-200	1200	1150	1000	950	830	740	650	590	540	490	440	430	370	340	🕒 7.578 sec.											20	45	—
LXUWX-400	2400	2300	2000	1900	1660	1480	1300	1180	1080	980	880	840	740	680	🕒 3.969 sec.											40	40	—
	1200	1150	1000	950	830	740	650	590	540	490	440	430	370	340	🕒 7.578 sec.											20	90	—
WXM	2500											🕒 1.574 sec.	50	80	—													
	1250											🕒 2.667 sec.	25	160	—													

Single-Axis Robot / Slider

SSPA series

ISA series



200V
AC Servo
Motor

200V
AC Servo
Motor

SSPA-SXM-200



SSPA-MXM-400



SSPA-LXM-750



ISA/ISPA-WXM-600
ISA/ISPA-WXM-750
ISA/ISPA-WXMX-600
ISA/ISPA-WXMX-750



Applicable controllers

1 axis

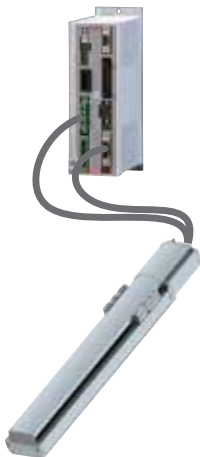
2 axes or more

Complicated movement
(program type)

SCON Controller

RCON Controller

RSEL Controller



Actuator
■ 1 axis



Actuator
■ 2 axes or more



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

Description of the Table

1 Stroke

Distance

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

* The max. speed varies depending on the stroke.
Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
* Figures in < > show a vertical operation.

3 Cycle time

Cycle time

Speed

Acceleration

Deceleration

Time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

Mass (weight)

Horizontal

Vertical

* Payload varies depending on acceleration/deceleration and mounting posture.

Series	Type	Stroke (mm) and maximum speed (mm/s)																Lead (mm)	Payload (kg)								
		* The distance = stroke. * Figures show max. speed by stroke.																	Horizontal	Vertical							
		100~600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650				
SSPA	SXM-200	1800	1680	1480	1320	1180	1060	960	870	790	730	670	1.84 sec.										30	30	4		
		1200	1120	990	880	780	710	640	580	530	480	440	2.678 sec.										20	45	6		
		600	560	490	440	390	350	320	290	260	240	220	5.159 sec.										10	90	12		
	MXM-400	2400	2150	1930	1740	1580	1440	1320	1210	1120	1030	960	890	830	1.777 sec.										40	45	6
		1200	1070	960	870	790	720	660	600	560	510	480	440	410	3.345 sec.										20	90	12
		600	530	480	430	390	360	330	300	280	250	240	220	200	6.653 sec.										10	120	25
LXM-750	2500						2320	1950	1660	1440	1250	1100	1.592 sec.										50	60	12		
	1250						1160	970	830	720	620	550	2.916 sec.										25	120	25		

Series	Type	Stroke (mm) and maximum speed (mm/s)											Lead (mm)	Payload (kg)	
		* The distance = stroke. * Figures show max. speed by stroke.												Horizontal	Vertical
		100~800	850	950	1050	1150	1250	1350	1450	1550	1650	1750			
ISA/ISPA	WXM-600	2400	1840	1530	1290	1100	950	1.619 sec.					40	60	14
		1200	920	765	645	550	475	2.932 sec.					20	120	29
		600	460	380	320	270	235	5.697 sec.					10	150	60
	WXM-750	2000				1840	1570	1360	1.25 sec.					50	60
1250					1090	920	785	680	2.133 sec.					25	120

Series	Type	Stroke (mm) and maximum speed (mm/s)																Lead (mm)	Payload (kg)				
		* The distance = stroke. * Figures show max. speed by stroke.																	Horizontal	Vertical			
		900~1200	1250	1350	1450	1550	1650	1750	1850	1950	2050	2150	2250	2350	2450	2550	2650	2750	2800				
ISA/ISPA	WXM-600	2400	2200	1965	1725	1530	1365	1225	1110	1005	915	840	770	710	695	4.156 sec.					40	60	—
		1200	1100	980	860	765	680	610	555	500	455	420	385	355	325	7.917 sec.					20	120	—
	WXM-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

Single-Axis Robot / Slider

ISDB/ISPDB series



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

ISDB-S-60
ISDB-S-100



ISDB-M-100
ISDB-M-200
ISDB-M-400



ISDB-MX-200
ISDB-MX-400



ISDB-L-200
ISDB-L-400



ISDB-LX-200
ISDB-LX-400



Applicable controllers

1 axis

2 axes or more

Complicated movement
(program type)

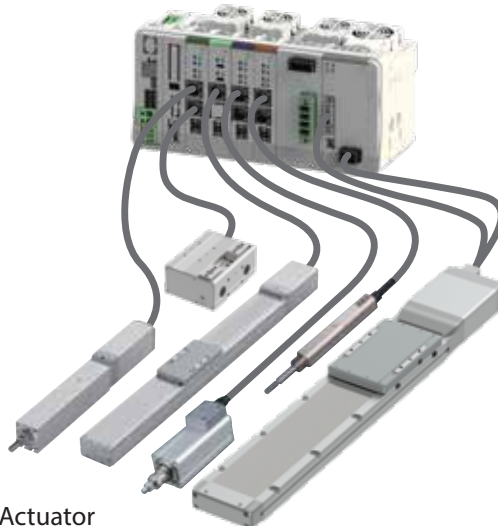
SCON Controller

RCON Controller

RSEL Controller



Actuator
 ■ 1 axis



Actuator
 ■ 2 axes or more



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

Description of the Table

1 Stroke

Distance

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

* The max. speed varies depending on the stroke.
Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
* Figures in < > show a vertical operation.

3 Cycle time

Cycle time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

Mass (weight)

Horizontal Vertical

* Payload varies depending on acceleration/deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)																	Lead (mm)	Payload (kg)			
	* The distance = stroke. * Figures show max. speed by stroke.																		Horizontal	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	🕒 1.85 sec.										16	13	3		
	480	460	400	345	305	270	240	🕒 3.492 sec.										8	27	6		
	240	230	200	170	150	135	120	🕒 6.781 sec.										4	55	14		
S-100	1075 ~2000	1825	1590	1400	1240	1105	🕒 0.941 sec.										36	10	2			
M-100	1800	1630	1440	1280	1150	1035	935	850	780	715	660	🕒 1.866 sec.					30	15	2			
	1200	1085	960	855	765	690	625	570	520	475	440	🕒 2.679 sec.					20	23	4			
	600	545	480	430	380	345	310	285	260	240	220	🕒 2.679 sec.					10	45	10			
	300	270	240	215	190	170	155	140	130	120	110	🕒 10.129 sec.					5	85	20			
M-200	1800	1630	1440	1280	1150	1035	935	850	780	715	660	🕒 1.866 sec.					30	30	6			
	1200	1085	960	855	765	690	625	570	520	475	440	🕒 2.679 sec.					20	45	10			
	600	545	480	430	380	345	310	285	260	240	220	🕒 5.159 sec.					10	90	20			
	300	270	240	215	190	170	155	140	130	120	110	🕒 10.129 sec.					5	110	40			
M-400	980~2000			2145	1920	1730	1570	1430	1305	1195	1105	🕒 1.213 sec.					48	20	6			
L-200	1800				1700	1540	1410	1290	1185	1095	1015	940	875	815	🕒 1.807 sec.				40	15	2.5	
	1200			1165	1045	940	850	770	705	645	595	545	505	470	440	410	🕒 3.346 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	🕒 1.807 sec.				40	40	8	
	1200			1165	1045	940	850	770	705	645	595	545	505	470	440	410	🕒 3.346 sec.			20	90	20
	600		585	520	470	425	385	350	320	295	275	255	235	220	205	🕒 6.532 sec.			10	120	40	

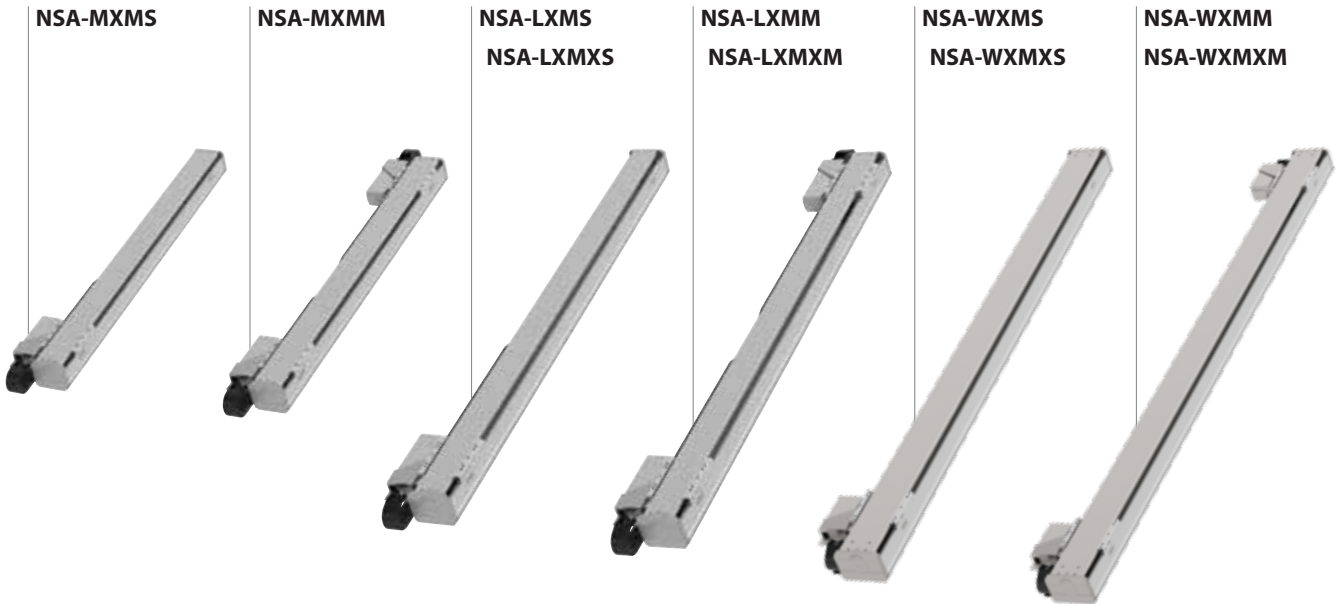
Type	Stroke (mm) and maximum speed (mm/s)																	Lead (mm)	Payload (kg)				
	* The distance = stroke. * Figures show max. speed by stroke.																		Horizontal	Vertical			
	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600				1650	1700	1800
MX-200	1800				1650	1500	1425	1200	1050	🕒 1.917 sec.								30	30	—			
	1200			1100	1000	950	800	700	🕒 2.589 sec.								20	45	—				
MX-400	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	1990	1860	1745	1640	1540	1450	🕒 1.598 sec.			48	20	—
LX-200	1800						1660	🕒 1.513 sec.								40	15	—					
	1200				1150	1000	950	830	🕒 2.264 sec.								20	45	—				
LX-400	1800						1660	🕒 1.513 sec.								40	40	—					
	1200				1150	1000	950	830	🕒 2.264 sec.								20	90	—				

Single-Axis Robot / Slider

NSA series



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



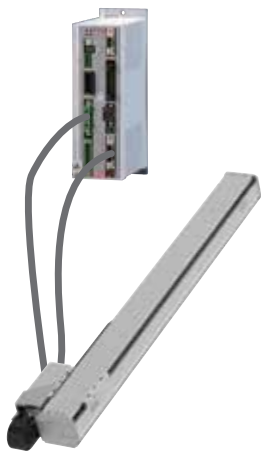
Applicable controllers

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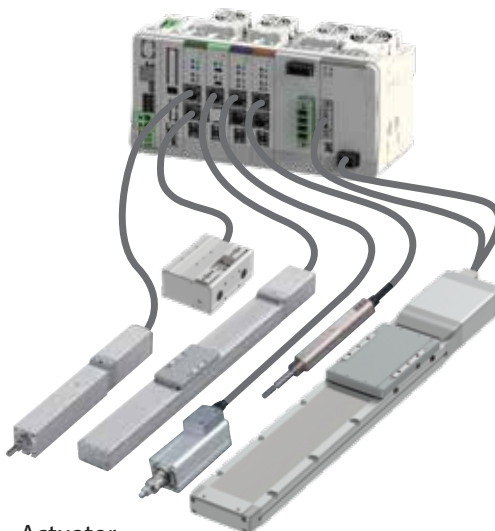
SCON Controller

RCON Controller

RSEL Controller



Actuator
 ■ 1 axis



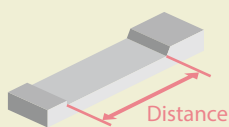
Actuator
 ■ 2 axes or more



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

Description of the Table

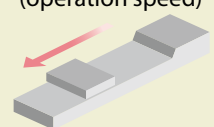
1 Stroke



Distance

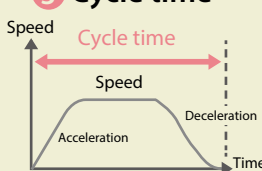
* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)



* The max. speed varies depending on the stroke.
Ex.) The maximum speed for the SXM-200 is 730m/s based on 30mm lead and 1050mm stroke.
* Figures in < > show a vertical operation.

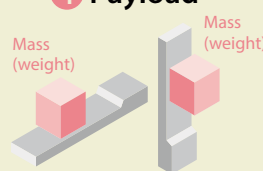
3 Cycle time



Speed
Cycle time
Acceleration
Speed
Deceleration
Time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload



Mass (weight)
Horizontal
Vertical
Mass (weight)

* Payload varies depending on acceleration/deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)												Lead (mm)	Payload (kg)							
	300~500	550	600	650~1500	1550~1800	1850~2250	2300	2400	2500	2600	2650	2700		2800	2900	3000	3100	3200	3300	Horizontal	Vertical
MXMS	1800				1.5 sec.														30	20	—
	1200				1.843 sec.														20	35	—
MXMM	1800				1.305 sec.														30	20	—
	1200				1.564 sec.														20	35	—
LXMS	2400				1.362 sec.														40	40	—
	1300				2 sec.														20	80	—
LXMM	2400				1.362 sec.														40	40	—
	1300				2 sec.														20	80	—
LXMS	2400				1.705 sec.														40	40	—
	1300				2.607 sec.														20	80	—
LXMM	2400				1.580 sec.														40	40	—
	1300				2.376 sec.														20	80	—
WXMS	2500				1.325 sec.														50	60	—
	1300				2.026 sec.														25	120	—
WXMM	2500				1.325 sec.														50	60	—
	1300				2.026 sec.														25	120	—
WXMS	2500				1.636 sec.														50	60	—
	1300				2.595 sec.														25	120	—
WXMM	2500				1.496 sec.														50	60	—
	1300				2.326 sec.														25	120	—

Single-Axis Robot / Slider

NS series

IF series

200V
AC Servo
Motor

Belt
type

200V
AC Servo
Motor

NS-SXMSA
NS-SZMSA
NS-MXMSA
NS-MXMSA
NS-MZMSA

NS-SXMMA
NS-SZMMA
NS-MXMMA
NS-MZMMA

NS-LXMSA
NS-LXMMSA
NS-LZMSA

NS-LXMMA
NS-LZMMA

IF-SA-60
IF-SA-100
IF-MA-200
IF-MA-400



Applicable controllers

1 axis

2 axes or more

Complicated movement
(program type)

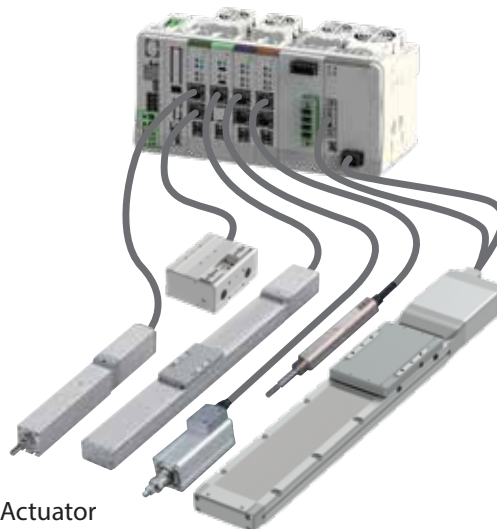
SCON Controller

RCON Controller

RSEL Controller



Actuator
■ 1 axis



Actuator
■ 2 axes or more



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

Description of the Table

1 Stroke

Distance

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

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3 Cycle time

Cycle time

Speed

Acceleration

Deceleration

Time

* Shows one-way travel time of the max. stroke with horizontal use, max. speed and max. acceleration/deceleration.
* Figures are not based on the maximum payload.

4 Payload

Mass (weight)

Horizontal

Vertical

Mass (weight)

* Payload varies depending on acceleration/deceleration and mounting posture.

Series	Type	Stroke (mm) and maximum speed (mm/s)														Lead (mm)	Payload (kg)					
		* The distance = stroke. * Figures show max. speed by stroke.															Horizontal	Vertical				
		100	200	300	400	500	600	700	800	900	1000	1200~1500	1600~2000	2100	2200	2300	2400	2500	2600~3000			
NS	SXMSA						720											1.349 sec.	12	15	—	
	SXMMA						720											1.349 sec.	12	15	—	
	SZMSA						<600>											1.562 sec.	12	—	3	
	SZMMA						<600>											1.562 sec.	12	—	3	
	MXMSA							1800											1.173 sec.	30	25	—
								1200											1.551 sec.	20	40	—
	MXMMA							1800											1.173 sec.	30	25	—
								1200											1.551 sec.	20	40	—
	MXMXSA													1800					1.95 sec.	30	25	—
														1200					2.357 sec.	20	40	—
	MZMSA							<1000>											1.137 sec.	20	—	6
								<1000>											1.137 sec.	20	—	6
	LXMSA							2400											1.317 sec.	40	40	—
								1300											1.98 sec.	20	80	—
	LXMMA							2400											1.339 sec.	40	40	—
								1300											2.018 sec.	20	80	—
LXMXSA													2.182 sec.	2400					40	40	—	
													2.865 sec.	1300					20	80	—	
LZMSA							<1000>											1.275 sec.	20	—	16	
LZMMA							<1000>											1.226 sec.	20	—	16	
IF	SA-60						1750											1.854 sec.	Timing	5	—	
	SA-100						1750											1.854 sec.	Belt	10	—	
	MA-200						1750											2.139 sec.	Lead	20	—	
	MA-400						1750											2.139 sec.	Equivalent 35	40	—	

※ < > when vertical use

Linear Servo type

LSA/LSAS series

Simple
dust
proof

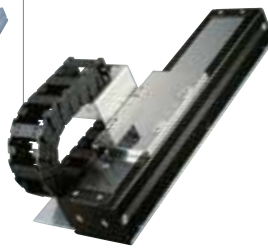
LSA-S6SS
LSA-S8SS
LSA-S8HS
LSA-S10SS
LSA-S10HS



LSA-S6SM
LSA-S8SM
LSA-S8HM
LSA-S10SM
LSA-S10HM



LSAS-N10SS
LSAS-N10SM



LSAS-N15SS
LSAS-N15SM
LSAS-N15HS
LSAS-N15HM



LSA-W21SS
LSA-W21SM
LSA-W21HS
LSA-W21HM



Applicable controllers

1 axis

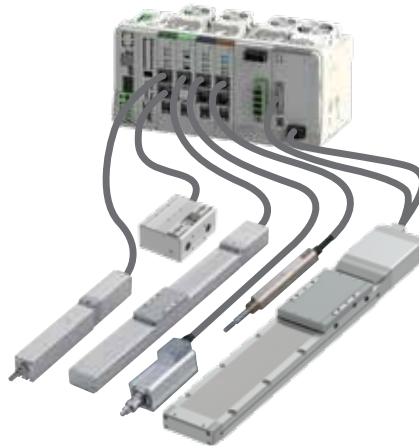
SCON Controller



Actuator
■ 1 axis

2 axes or more

RCON Controller



Actuator
■ 2 axes or more

LSA-W21HS/W21HM cannot connect to the R unit (RCON/RSEL).
Refer to the individual actuator pages for the applicable controllers.

Complicated movement
(program type)

RSEL Controller



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

Description of the Table

1 Stroke

Distance

* The distance shows the selectable stroke.
Ex.) SXM-200 can select 100 to 1100mm.

2 Maximum speed (operation speed)

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3 Cycle time

Speed
Cycle time
Speed
Acceleration
Deceleration
Time

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* Figures are not based on the maximum payload.

4 Payload

Mass (weight)
Horizontal
Vertical
Mass (weight)

* Payload varies depending on acceleration/deceleration and mounting posture.

Type	Stroke (mm) and maximum speed (mm/s)																		Rating thrust (N)	Payload (kg)			
	40	50	100	200~400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800		1900	2000	2100	2200
S6SS	2500																		15	3	—		
S6SM	2500																				0.778 sec.	—	
S8SS	2500																		25	5	—		
S8SM	2500																				0.851 sec.	—	
S8HS	2500																		35	7	—		
S8HM	2500																				0.923 sec.	—	
S10SS	2500																		65	15	—		
S10SM	2500																				1.019 sec.	—	
S10HS	2500																		80	20	—		
S10HM	2500																				1.11 sec.	—	

Type	Stroke (mm) and maximum speed (mm/s)															Rating thrust (N)	Payload (kg)	
	100	200~400	500	600	700	800	900	1000	1100~3500	3600	3700	3800	3900	4000	4100		4150	Horizontal
N10SS	2500															54	15	—
N10SM	2500																	1.915 sec.
N15SS	2500															86	20	—
N15SM	2500																	1.835 sec.
N15HS	2500															125	30	—
N15HM	2500																	1.94 sec.
W21SS	2500															200	60	—
W21SM	2500																	2.07 sec.
W21HS	2500															400	120	—
W21HM	2500																	1.939 sec.

General Catalog 2021 - non listed models

The following models are not listed on 2021 General Catalog, but they are available.
Please contact IAI.

Type	Model type		
Slider type	RCP2-BA6 (U)		
	RCP2-BA7 (U)		
	RCP2-SS7C		
	RCP2-SS8C		
	RCP2-HS8C		
	RCP2-SS7R		
	RCP2-SS8R		
	RCP2-HS8R		
	RCA2-SA2AC		
	RCA2-SA2AR		
	RCA-SS4D		
	RCA-SS5D		
	RCA-SS6D		
	RCS2-SS7C		
	RCS2-SS7R		
	RCP5-SA4C		
	RCP5-SA6C		
	RCP5-SA7C		
	RCP5-SA4R		
	RCP5-SA6R		
	RCP5-SA7R		
	RCP4-SA6C		
	RCP4-SA7C		
	RCP4-SA6R		
	RCP4-SA7R		
	RCA2-SA3C		
	RCA2-SA4C		
	RCA2-SA5C		
	RCA2-SA6C		
	RCA2-SA3R		
	RCA2-SA4R		
	RCA2-SA5R		
	RCA2-SA6R		
	RCA-SA4D		
	RCA-SA5D		
	RCA-SA6D		
	RCS2-SA4D		
	RCS2-SA5D		
	RCS2-SA6D		
	FS-NM-60		
	FS-NM-100		
	FS-NO		
FS-WM-100			
FS-WM-200			
FS-WO			
FS-LM-400			
FS-HM-400			
FS-LO			

General Catalog 2021 - non listed models

The following models are not listed on 2021 General Catalog, but they are available.
Please contact IAI.

Type	Model type		
Linear Servo type	LSA-L15SS		
	LSA-L15SM		
	LSA-H8SS		
	LSA-H8SM		
	LSA-H8HS		
	LSA-H8HM		
	LSA-N19SS		
	LSA-N19SM		
	RCL-SA1L		
	RCL-SA2L		
	RCL-SA3L		
	RCL-SA4L		
	RCL-SM4L		
	RCL-SA5L		
	RCL-SM5L		
	RCL-SA6L		
	RCL-SM6L		
	RCL-RA1L		
	RCL-RA2L		
	RCL-RA3L		
	LSA-N10SS		
	LSA-N10SM		
	LSA-N15SS		
	LSA-N15SM		
	LSA-N15HS		
LSA-N15HM			