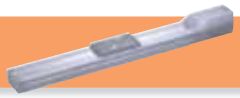
3 Check Specifications

Slider Type



The slider type is used for transporting and positioning workpieces. When selecting a slider-type model, note that the specifications are different when used horizontally versus vertically.

[Positioning]

For positioning motions, the criteria for selection are: (1) stroke; (2) load capacity; and (3) speed. From the table below, select a model that meets your requirements for the stroke, load capacity, and speed. For RCP3 and RCP2, which use a pulse motor, the load capacity changes with speed. See the "Speed vs. Load Capacity" chart on each respective page to check if your desired speed and load capacity are supported.

[How to Read the Table]

Slider Type

Type		Stroke (mm) and Maximum Speed (mm/sec) * Length of bar = stroke * Number inside bar = max. speed by stroke, < > denotes vertical use	Load Capacity (kg) H	Load Capacity (kg) V	Encoder Type	Controller Input Power	Model * □ denotes motor shape ○ denotes encoder type *** denotes stroke.	See Page
SA2		200 (25–100)	0.25	–	I	⊖24V	RCP3-SA2A□-I-20P-4S-***	P.3
		100 (25–100)	0.5	–			RCP3-SA2A□-I-20P-2S-***	
		50 (25–100)	1	–			RCP3-SA2A□-I-20P-1S-***	
		300 (25–150)	0.25	–			RCP3-SA2B□-I-20P-6S-***	P.5
		200 (25–150)	0.5	–			RCP3-SA2B□-I-20P-4S-***	
		100 (25–150)	1	–			RCP3-SA2B□-I-20P-2S-***	

Maximum Speed — Stroke Range — Horizontal Load Capacity — Vertical Load Capacity

Note: If the workpiece being transported is significantly overhanging from the actuator, the service life of the guide needs to be considered separately from the actuator's specifications. See "About Service Life and Moment" on page A-5 for details.

Slider Type

Type		Stroke (mm) and Maximum Speed (mm/sec) * Length of bar = stroke *Number inside bar = max. speed by stroke, < > denotes vertical use	Load Capacity (kg) H	Load Capacity (kg) V	Encoder Type	Controller Input Power	Model * □ denotes motor shape ○ denotes encoder type *** denotes stroke.	See Page
Small Size								
SA2		200 (25–100)	0.25	–	I	⊖24V	RCP3-SA2A□-I-20P-4S-***	P.3
		100 (25–100)	0.5	–			RCP3-SA2A□-I-20P-2S-***	
		50 (25–100)	1	–			RCP3-SA2A□-I-20P-1S-***	
		300 (25–150)	0.25	–			RCP3-SA2B□-I-20P-6S-***	P.5
		200 (25–150)	0.5	–			RCP3-SA2B□-I-20P-4S-***	
		100 (25–150)	1	–			RCP3-SA2B□-I-20P-2S-***	
SA3		300 (25–200)	1	0.5	I	⊖24V	RCP3-SA3□-I-28P-6-***	P.7
		200 (25–200)	2	1			RCP3-SA3□-I-28P-4-***	
		100 (25–200)	3	1.5			RCP3-SA3□-I-28P-2-***	
		300 (25–200)	1	0.5			RCA2-SA3□-I-10-6-***	P.59
		200 (25–200)	2	1			RCA2-SA3□-I-10-4-***	
		100 (25–200)	3	1.5			RCA2-SA3□-I-10-2-***	
SA4		500 (25–350)	-7.5	-1.5	I	⊖24V	RCP3-SA4□-I-35P-10-***	P.9
		250 (25–350)	-9	-4			RCP3-SA4□-I-35P-5-***	
		125 (25–350)	-11	-8			RCP3-SA4□-I-35P-2.5-***	
		500 (25–350)	2	1			RCA2-SA4□-I-20-10-***	P.61
		250 (25–350)	4	1.5			RCA2-SA4□-I-20-5-***	
		125 (25–350)	6	3			RCA2-SA4□-I-20-2.5-***	
		665 (25–450)	4	1			RCA-SA4□-I-20-10-***	P.75
		330 (25–450)	6	2.5		⊖24V	RCA-SA4□-I-20-5-***	
		165 (25–450)	8	4.5	I		RCA-SA4□-I-20-2.5-***	
		665 (25–450)	4	1	A		RCS2-SA4□-I-20-10-***	P.99
		330 (25–450)	6	2.5		⊖100V ⊖200V	RCS2-SA4□-I-20-5-***	
		165 (25–450)	8	4.5			RCS2-SA4□-I-20-2.5-***	

Large Size

I = Incremental A = Absolute ⊖ = DC ⊖ = AC

Slider Type

Small Size ↑ Large Size ↓

Type		Stroke (mm) and Maximum Speed (mm/sec) * Length of bar = stroke * Number inside bar = max. speed by stroke, < > denotes vertical use	Load Capacity (kg) H	Load Capacity (kg) V	Encoder Type	Controller Input Power	Model * □ denotes motor shape ○ denotes encoder type *** denotes stroke.	See Page
SA5		600 570 425 330	~6	~2			RCP3-SA5□-I-42P-12-***	P.11
		300 285 210 165	~10	~5			RCP3-SA5□-I-42P-6-***	
		150 140 105 80	19	~10			RCP3-SA5□-I-42P-3-***	
		600 540 400 300	~6	1			RCP2-SA5□-I-42P-12-***	P.27
		300 270 200 150	~13	~4	I		RCP2-SA5□-I-42P-6-***	
		150 135 100 75	16	~8			RCP2-SA5□-I-42P-3-***	
		600 570 425 330	3	1		⊖24V	RCA2-SA5□-I-20-12-***	P.63
		300 285 210 165	6	1.5			RCA2-SA5□-I-20-6-***	
		150 140 105 80	9	3			RCA2-SA5□-I-20-3-***	
		800 760	4	1			RCA-SA5□-○-20-12-***	P.77
		400 380	8	2			RCA-SA5□-○-20-6-***	
		200 190	12	4	I		RCA-SA5□-○-20-3-***	
		800 760	4	1	A		RCS2-SA5□-○-20-12-***	P.101
		400 380	8	2		≋100V ≋200V	RCS2-SA5□-○-20-6-***	
		200 190	12	4			RCS2-SA5□-○-20-3-***	
SA6		600 570 425 330	~6	~2			RCP3-SA6□-I-42P-12-***	P.13
		300 285 210 165	~10	~5			RCP3-SA6□-I-42P-6-***	
		150 140 105 80	~19	~10			RCP3-SA6□-I-42P-3-***	
		600 540 400 300	~8.5	~1.5			RCP2-SA6□-I-42P-12-***	P.29
		300 270 200 150	~15	~4			RCP2-SA6□-I-42P-6-***	
		150 135 100 75	~19	~6			RCP2-SA6□-I-42P-3-***	
		600 515	~6	~1.5	I		ERC2-SA6C-I-PM-12-***	P.55
		300 255	12	~3		⊖24V	ERC2-SA6C-I-PM-6-***	
		150 125	12	~6			ERC2-SA6C-I-PM-3-***	
		600 570 425 330	4	1.5			RCA2-SA6□-I-30-12-***	P.65
		300 285 210 165	7	2			RCA2-SA6□-I-30-6-***	
		150 140 105 80	10	4			RCA2-SA6□-I-30-3-***	
		800 760 640 540	6	1.5			RCA-SA6□-○-30-12-***	P.79
		400 380 320 270	12	3			RCA-SA6□-○-30-6-***	
		200 190 160 135	18	6	I		RCA-SA6□-○-30-3-***	
		800 760 640 540	6	1.5	A		RCS2-SA6□-○-30-12-***	P.103
		400 380 320 270	12	3		≋100V ≋200V	RCS2-SA6□-○-30-6-***	
		200 190 160 135	18	6			RCS2-SA6□-○-30-3-***	
SA7		533 480	~35	~5			RCP2-SA7□-I-56P-16-***	P.31
		266 240	~40	~10			RCP2-SA7□-I-56P-8-***	
		133 120	40	~15			RCP2-SA7□-I-56P-4-***	
		450<400>	~10	~2.5	I	⊖24V	ERC2-SA7C-I-PM-16-***	P.57
		250	~20	~5			ERC2-SA7C-I-PM-8-***	
		125	20	~10			ERC2-SA7C-I-PM-4-***	
		800 640 480	12	3	I		RCS2-SA7□-○-60-16-***	P.105
		400 320 240	25	6	A	≋100V ≋200V	RCS2-SA7□-○-60-8-***	
		200 160 120	40	12			RCS2-SA7□-○-60-4-***	
SS7		600 470	~30	~4			RCP2-SS7□-I-42P-12-***	P.33
		300 230	~30	~8	I	⊖24V	RCP2-SS7□-I-42P-6-***	
		150 115	~30	~12			RCP2-SS7□-I-42P-3-***	
		600 470	15	4	I	≋100V	RCS2-SS7□-○-60-12-***	P.107
		300 230	30	8	A	≋200V	RCS2-SS7□-○-60-6-***	
SS8		1200<750> 1000 <800> 750	~20	~3			RCP2-HS8□-I-86P-30-***	P.37
		666<600> 625 <600> 515	~40	~5			RCP2-SS8□-I-56P-20-***	P.35
		333<300> 310 <300> 255	~50	~12	I	⊖24V	RCP2-SS8□-I-56P-10-***	
		165<150> 155 <150> 125	~55	~20			RCP2-SS8□-I-56P-5-***	
		1000 960 765 625 515	20	4			RCS2-SS8□-○-100-20-***	P.109
		500 480 380 310 255	40	8	I	≋100V	RCS2-SS8□-○-100-10-***	
		1000 960 765 625 515	30	6	A	≋200V	RCS2-SS8□-○-150-20-***	
		500 480 380 310 255	60	12			RCS2-SS8□-○-150-10-***	
BA6/ BA7		1000	~4	–	I	⊖24V	RCP2-BA6-I-42P-54-***	P.51
		1500	~8	–			RCP2-BA7-I-42P-54-***	P.53

* < > is for vertical use

I = Incremental A = Absolute ⊖=DC ≋=AC