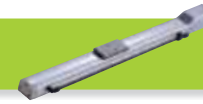


Model Selection

ER03 CYLINDER
RCP3

3 Check Specifications

Cleanroom Type



The cleanroom type is used for transporting and positioning workpieces. When selecting a cleanroom-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]

Cleanroom Type		Stroke (mm) and Maximum Speed (mm/sec)														Load Capacity (kg)		Encoder Type	Controller Input Power	Model	See Page
Type	Image	* Length of bar = stroke * Number inside bar = max. speed by stroke, < > denotes vertical use														H	V	Type	Power	□ denotes motor shape ○ denotes encoder type *** denotes stroke	
		50mm	100	150	200	250	300	350	400	450	500	550	600	700	800						
SA4		665														4	1	I A	24V	RCACR-SA4C-○-20-10-***	P.415
		330														6	2.5			RCACR-SA4C-○-20-5-***	
		165														8	4.5			RCACR-SA4C-○-20-2.5-***	
		665														4	1	I A	100V 200V	RCS2CR-SA4C-○-20-10-***	P.425
		330														6	2.5			RCS2CR-SA4C-○-20-5-***	
		165														8	4.5			RCS2CR-SA4C-○-20-2.5-***	

Maximum Speed → (points to speed values in table)
Stroke Range → (points to stroke values in table)
Horizontal Load Capacity → (points to H column)
Vertical Load Capacity → (points to V column)

Note: If the workpiece being transported is significantly overhanging 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.

Cleanroom Type		Stroke (mm) and Maximum Speed (mm/sec)														Load Capacity (kg)		Encoder Type	Controller Input Power	Model	See Page
Type	Image	* Length of bar = stroke * Number inside bar = max. speed by stroke, <> denotes vertical use														H	V	Type	Power	□ denotes motor shape ○ denotes encoder type *** denotes stroke	Page
		50mm	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000				
SA4		665														4	1	I A	⊖24V	RCACR-SA4C-○-20-10-*** RCACR-SA4C-○-20-5-*** RCACR-SA4C-○-20-2.5-***	P.415
		330														6	2.5				
		165														8	4.5				
SA4		665														4	1	I A	⊖100V ⊖200V	RCS2CR-SA4C-○-20-10-*** RCS2CR-SA4C-○-20-5-*** RCS2CR-SA4C-○-20-2.5-***	P.425
		330														6	2.5				
		165														8	4.5				
SA5		600														4	1	I	⊖24V	RCP2CR-SA5C-I-42P-12-*** RCP2CR-SA5C-I-42P-6-*** RCP2CR-SA5C-I-42P-3-***	P.399
		300														8	2.5				
		150														8	4.5				
SA5		800														4	1	I A	⊖100V ⊖200V	RCACR-SA5C-○-20-12-*** RCACR-SA5C-○-20-6-*** RCACR-SA5C-○-20-3-***	P.417
		400														8	2				
		200														12	4				
SA5		800														4	1	I A	⊖100V ⊖200V	RCS2CR-SA5C-○-20-12-*** RCS2CR-SA5C-○-20-6-*** RCS2CR-SA5C-○-20-3-***	P.427
		400														8	2				
		200														12	4				
SA6		600														6	-1.5	I	⊖24V	RCP2CR-SA6C-I-42P-12-*** RCP2CR-SA6C-I-42P-6-*** RCP2CR-SA6C-I-42P-3-***	P.401
		300														12	-3				
		150														12	-6				
SA6		800														6	1.5	I A	⊖100V ⊖200V	RCACR-SA6C-○-30-12-*** RCACR-SA6C-○-30-6-*** RCACR-SA6C-○-30-3-***	P.419
		400														12	3				
		200														18	6				
SA6		800														6	1.5	I A	⊖100V ⊖200V	RCS2CR-SA6C-○-30-12-*** RCS2CR-SA6C-○-30-6-*** RCS2CR-SA6C-○-30-3-***	P.429
		400														12	3				
		200														18	6				
SA7		533<400>														~25	~5	I	⊖24V	RCP2CR-SA7C-I-56P-16-*** RCP2CR-SA7C-I-56P-8-*** RCP2CR-SA7C-I-56P-4-***	P.403
		266														~30	~10				
		133														30	~15				
SA7		800														12	3	I A	⊖100V ⊖200V	RCS2CR-SA7C-○-60-16-*** RCS2CR-SA7C-○-60-8-*** RCS2CR-SA7C-○-60-4-***	P.431
		400														25	6				
		200														40	12				
SS7		600														~30	~4	I	⊖24V	RCP2CR-SS7C-I-42P-6-*** RCP2CR-SS7C-I-42P-3-***	P.405
		300														~30	~8				
		150														~30	~12				
SS7		600														15	4	I A	⊖100V ⊖200V	RCS2CR-SS7C-○-60-12-*** RCS2CR-SS7C-○-60-6-***	P.433
		400														30	8				
		SS8		1200<750>																	
666<500>														~40	~5						
333<300>														~50	~12						
SS8		165<150>														~55	~20	I A	⊖100V ⊖200V	RCP2CR-SS8C-I-56P-5-*** RCS2CR-SS8C-○-100-20-*** RCS2CR-SS8C-○-150-20-***	P.435
		1000														20	4				
		500														40	8				
SS8		1000														30	6	I A	⊖100V ⊖200V	RCS2CR-SS8C-○-150-20-*** RCS2CR-SS8C-○-150-10-***	P.435
		500														60	12				

* < > is for vertical use

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

Small Size ↑ Large Size ↓