



Introducing  
**High-Speed Specification**  
ROBO Cylinder® Slider Type

# SA5/SA6

### RCP3/RCA2/RCP2 Series

Maximum Speed

**Previous** 600mm/s → **Now** 1000mm/s

**1.7 Times Faster**

RCP3/RCA2-SA5C  
RCP3/RCA2-SA6C

RCP2-SA5C  
RCP2-SA6C

RCP2CR-SA5C  
RCP2CR-SA6C

### RCA/RCS2 Series

Maximum Speed

**Previous** 800mm/s → **Now** 1300mm/s

**1.6 Times Faster**

RCA/RCS2-SA5C  
RCA/RCS2-SA6C

RCACR/RCS2CR-SA5C  
RCACR/RCS2CR-SA6C

- External Dimensions
- Options
- Compatible Controllers

Same as RCP3/RCP2/RCP2CR/RCA2/RCA/RCACR/RCS2/RCS2CR Series SA5 and SA6. Please refer to the ROBO Cylinder General Catalog for details.

■ Specifications

Motor	Series	Type	Lead (mm)	Max. Speed (mm/s)		Payload (kg)		Max. Acceleration (G)		Stroke (mm)	Suction Rate (Nℓ/min)	Positioning Repeatability (mm)
				Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical			
Pulse Motor (Stepper)	RCP3	SA5C	20	1000	800	4	0.5	0.7	0.2	50~800	—	±0.03 (±0.02 for RCS2/RCS2CR)
		SA6C				4	0.5					
	RCP2	SA5C				4	0.5					
		SA6C				6	0.5					
	RCP2CR	SA5C				4	0.5					
		SA6C				6	0.5					
Servo Motor	RCA2	SA5C	1300	800	2	0.5	0.3	0.2	50~800	—		
		SA6C			3	0.5						
	RCA RCS2	SA5C			2	0.5	0.8 (*)	0.2	50~500			
		SA6C			3	0.5			50~600			
	RCACR RCS2CR	SA5C			2	0.5	0.8 (*)	0.2	50~500			
		SA6C			3	0.5			50~600			

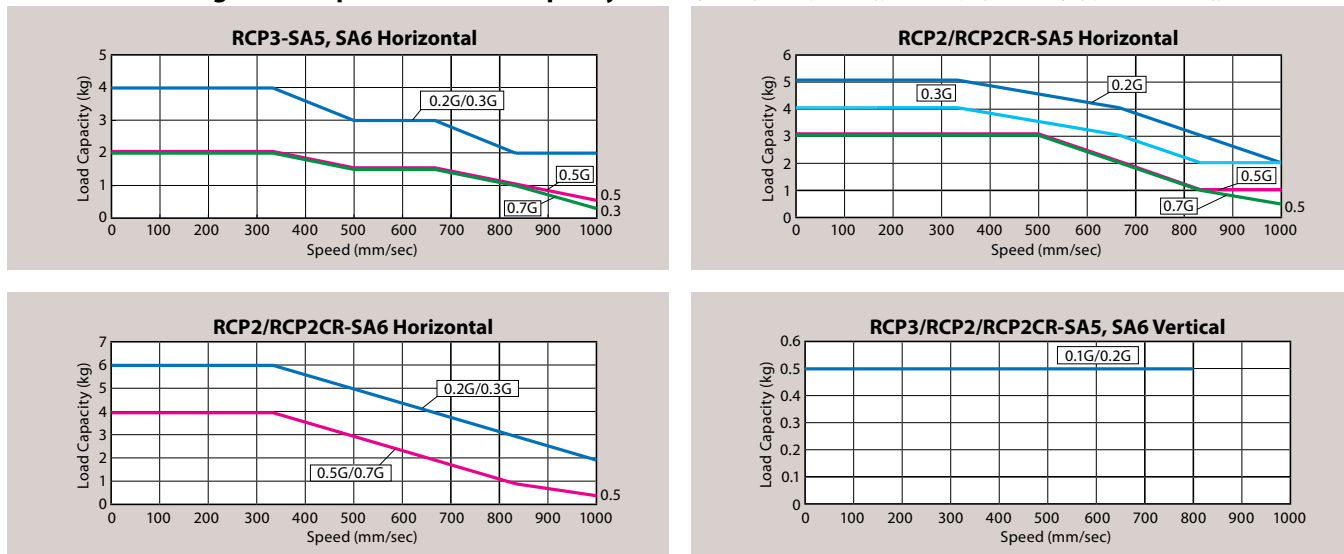
(\*) High-Acceleration/Deceleration Model

■ Maximum Speed per Stroke (\* When the stroke is short, it may not reach the maximum speed.)

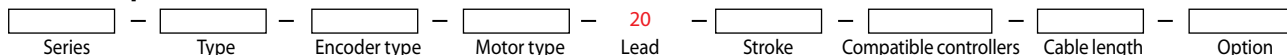
(mm/s)

Model	Stroke	50~500mm	550mm	600mm	650mm	700mm	750mm	800mm
RCP3/RCA2-SA5, SA6	1000	1000			910	790	690	610
RCP2/RCP2CR-SA5C, SA6C	1000		980	850	740	650	580	
RCA/RCACR/RCS2/RCS2CR-SA5C	1300							
RCA/RCACR/RCS2/RCS2CR-SA6C	1300	1160	990					

■ Correlation Diagrams of Speed and Load Capacity (\* The following tables only show the pulse motor type data. Load capacity does not change by speed with servo motor types.)



■ Model Description



Example) RCP3 — SA5C — I — 42P — 20 — 300 — P1 — S — B

\*Please refer to the ROBO Cylinder General Catalog for details.

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