Mini
Standard
Controllers
Integrated

Rod
Vype
Mini
Standard
Controllers
Integrated

Table/Arm
//Flat Typ
Mini
Standard

Cleanroom
Type

Splash-Proo

Controllers

PMEC
/AMEC
PSEP
ROBO
NET
ERC2
PCON
ACON
SCON
PSEL
ASEL
XSEL

Cleanroom ROBO Cylinder Slider Built-In Type 58mm Width 200V Servo Motor Aluminum Base RCS2CR- SA6D-30 ■ Configuration: Motor Encoder Compatible Control Cable Length Series — Type Lead Stroke Option N: None
P:1m
S:3m
M:5m
X : Custom
R : Robot cable 30:30W servo 12:12mm I :Incremental 50: 50mm T1:XSEL-J/K See Options below T2:SCON A:Absolute motor 6: 6mm 600: 600mm SSEL XSEL-P/Q (50mm pitch * See page Pre-35 for an explanation of the naming convention



Actuator Specifications ■ Lead and Load Capacity Stroke, Max. Speed/Suction Volume Max. Load Capacity 50~450 (50mm Lead (mm) Stroke (mm) 500 (mm) 550 (mm) Output (w) Thrust (N RCS2CR-SA6D-1-30-12-2-3-4-5 12 24.2 12 800 760 640 540 50 50~600 RCS2CR-SA6D- ① -30-6- ② - ③ - ④ - ⑤ 30 6 12 3 48.4 30 6 400 380 320 270 (50mm RCS2CR-SA6D-1-30-3-2-3-4-5 18 6 96.8 200 190 135 15 (Unit: mm/s) Legend: ① Encoder ② Stroke ③ Compatible controller ④ Cable length ⑤ Options

① Encoder & Stroke List

	Standard Price			
Stroke (mm)	Encoder Type			
	Incremental	Absolute		
	I	Α		
50	_	_		
100	-	-		
150	_	_		
200	-	_		
250	-	-		
300	-	-		
350	-	-		
400	-	_		
450	-	_		
500	-	-		
550	-	_		
600	-	_		
	•			

⑤ Ontion List

Name	Option Code	See Page	Standard Price			
Brake (Cable exiting from end)	BE	→ A-25	-			
Brake (Cable exiting from left)	BL	→ A-25	-			
Brake (Cable exiting from right)	BR	→ A-25	-			
Reversed-home	NM	→ A-33	-			
Intake port mounted on opposite side	VR	→ Δ-38	_			

4 Cable List

Туре	Cable Symbol	Standard Price	
	P (1m)	_	
Standard Type	S (3m)	-	
	M (5m)	-	
	X06 (6m) ~ X10 (10m)	-	
Special Lengths	X11 (11m) ~ X15 (15m)	-	
	X16 (16m) ~ X20 (20m)	-	
	R01 (1m) ~ R03 (3m)	_	
	R04 (4m) ~ R05 (5m)	-	
Robot Cable	R06 (6m) ~ R10 (10m)	_	
	R11 (11m) ~ R15 (15m)	_	
	R16 (16m) ~ R20 (20m)	_	

^{*} See page A-39 for cables for maintenance.

Actuator Specifications

Item	Description		
Drive System	Ball screw ø10mm C10 grade		
Positioning Repeatability	±0.02mm		
Lost Motion	0.1mm or less		
Base	Material: Aluminum (white alumite treated)		
Allowable Static Moment	Ma: 38.3N·m Mb: 54.7N·m Mc: 81.0N·m		
Allowable Dynamic Moment (*)	Ma: 8.9N·m Mb: 12.7N·m Mc: 18.6N·m		
Overhang Length	Ma direction: 220mm or less; Mb, Mc directions: 220mm or less		
Grease Type	Low dust generation grease (both ball screw and guide)		
Cleanliness	Class 10 (0.1µm)		
Ambient Operating Temp./Humidity	0~40°C, 85% RH or less (non-condensing)		

(*) Based on a 5,000km service life.

Directions of Allowable Load Moments



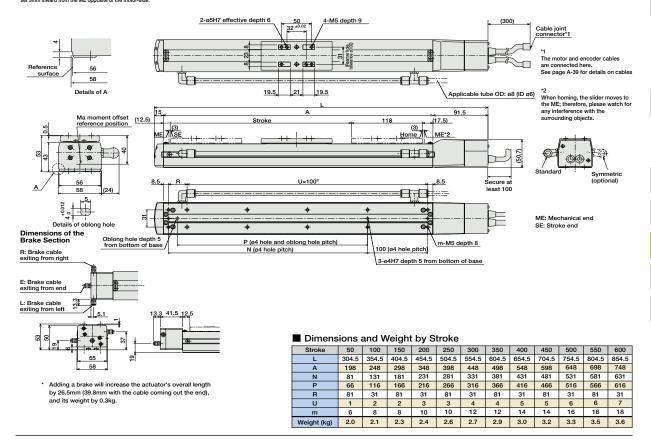




For Special Orders



- * Note that in order to change the home orientation, arrangements must be made to send in the product to IAI. * In the reversed-home model (NM), the new home position is set 3mm inward from the ME opposite of the motor-side.



③ Compatible Controllers

The RCS2CR series actuators can operate with the controllers below. Select the controller according to your usage.

Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
Positioner Mode			Positioning is possible for up to 512 points	512 points		*When operating a lase AC200V 150W single-axis		
Solenoid Valve Mode		SCON-C-30D ①-NP-2-②	Operable with the same controls as the solenoid valve	7 points				→ P 547
Serial Communication Type			Dedicated to serial communication	64 points	Single-phase AC100V Single-phase AC200V		_	→ 2047
Pulse Train Input Control Type			Dedicated to pulse train input	(-)	Three-phase AC200V (XSEL-P/Q only)			
Program Control 1-2 Axes Type		SSEL-C-1-30D①-NP-2-②	Programmed operation is possible Operation is possible on up to 2 axes	20000 points			-	→ P 577
Program Control 1-6 Axes Type	Mira	XSEL-③-1-30D①-N1-EEE-2-④	Programmed operation is possible Operation is possible on up to 6 axes	20000 points			-	→ P587

- *For SSEL and XSEL, only applicable to the single-axis model.

 *① is a placeholder for the encoder type (I: incremental / A: absolute).

 *② is a placeholder for the power supply voltage (I: 100V, or 2: single-phase 200V).

 *③ is a placeholder for the XSEL type name ("J", "K", "P", or "Q").

 *④ is a placeholder for the power supply voltage (I: 100V, 2: single-phase 200V, 3: 3-phase 200V).

IAI

RCS2CR-SA6D **440**



PMEC /AMEC PSEP /ASEP ROBO NET ERC2 PCON ACON SCON PSEL ASEL