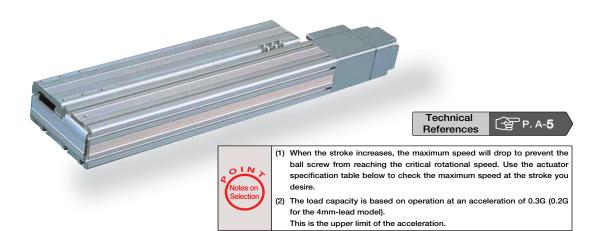
ROBO Cylinder Flat Type Built-In (Direct-Coupled) Motor 55mm Width 200V Servo Motor Ball Screw ■ Configuration: RCS2- F5D -Type I : Incremental A : Absolute 60:60W servo 16:16mm 50: 50mm T1: XSEL-J/K B : Brake motor 8:8mm T2: SCON NM: Reversed-home 100:100W servo 4:4mm 300: 300mm SSEL (50mm pitch XSEL-P/Q motor increments) * See page Pre-35 for an explanation of the naming convention.



Actuator Specifications

■ Lead and Load Capacity

Model		Lead	Max. Load Capacity		Rated	Stroke
	Output (W)	(mm)	Horizontal (kg)	Vertical (kg)	Thrust (N)	(mm)
RCS2-F5D-①-60-16-②-③-④-⑤		16		2.0	63.8	
RCS2-F5D-①-60-8-②-③-④-⑤		8		5.0	127.5	50 ~ 300 (50mm
RCS2-F5D-①-60-4-②-③-④-⑤		4 See page		11.5	255.1	
RCS2-F5D-①-100-16-②-③-④-⑤	100 8 4	16	A-88	3.5	105.8	increments)
RCS2-F5D-①-100-8-②-③-④-⑤		8		9.0	212.7	
RCS2-F5D-①-100-4-②-③-④-⑤		4		18.0	424.3	
Legend: ① Encoder ② Stroke ③ Compatible controller ④ Cable length ⑤ Options						

■ Stroke and Maximum Speed

Stroke	$50 \sim 300$ (50mm increments)
16	800
8	400
4	200

(Unit: mm/s)

Encoder & Stroke List

	Standard Price				
② Churche (mans)	① Encoder				
② Stroke (mm)	Incremental		Absolute		
	Motor Output (W)		Motor Output (W)		
	60W	100W	60W	100W	
50	-	-	-	-	
100	-	-	-	-	
150	-	-	_	-	
200	-	-	-	-	
250	=	-	-	-	
300	-	_	-	-	

(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)	_
Robot Cable	R04 (4m) ~ R05 (5m)	-
	R06 (6m) ~ R10 (10m)	_
	R11 (11m) ~ R15 (15m)	-
	R16 (16m) ~ R20 (20m)	_

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

⑤ Option List

Name	Option Code	See Page	Standard Price
Brake	В	→ A-25	-
Reversed-home	NM	→ A-33	-

Actuator Specifications

Item	Description		
Drive System	Ball screw ø12mm C10 grade		
Positioning Repeatability	±0.02mm		
Lost Motion	0.05mm or less		
Base	Material: Aluminum (white alumite treated)		
Allowable Dynamic Moment (*)	Ma: 4.5 N·m Mb: 5.4 N·m Mc: 4.1 N·m		
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 MR



Dimensions

CAD drawings can be downloaded from IAI website. www.intelligentactuator.com

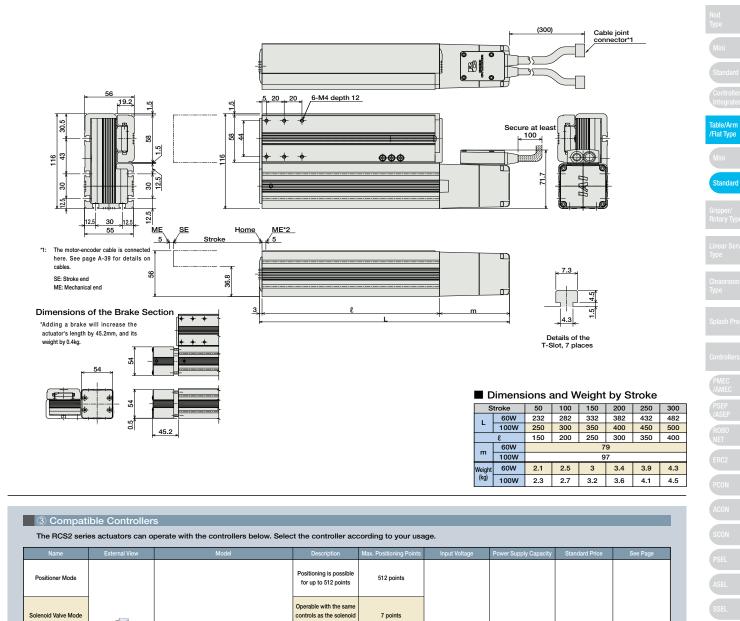
For Special Order







* To change the direction of the home position, arrangements must be made to send in the product. Please make a note of it.



③ Compatible Controllers

The RCS2 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				
Solenoid Valve Mode		SCON-C-60①-NP-2-② SCON-C-100①-NP-2-②	Operable with the same controls as the solenoid valve	7 points		le-phase AC200V * Single-axis model		→ P 547	
Serial Communication Type			Dedicated to serial communication	64 points	Single-phase AC100V Single-phase AC200V		-	→ P347	
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-1-60 ①-NP-2-② SSEL-C-1-100 ①-NP-2-②	Programmed operation is possible Operation is possible on up to 2 axes	20000 points			-	→ P577	
Program Control 1-6 Axes Type	Pilita	XSEL-③-1-60 ①-N1-EEE-2-④ XSEL-③-1-100 ①-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 (1: 100V, 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 (1: 100V, 2: single-phase 200V, or 3: three-phase 200V).

Table/Arm /Flat Type

RCS2-F5D 330

