Mini

Standard

Controllers Integrated

> Rod Type

Min

Standard

Integrated

Table/ Arm/ Flat Type

Mini

Gripper/

Linear Servo Type

roor Typ

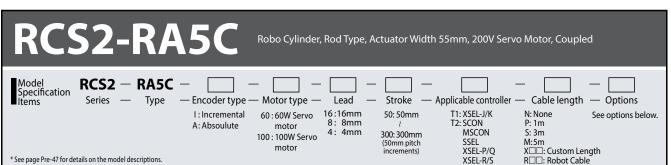
Splash Proo Type

> Puls Moto

Servo Motor (24V)

Servo Motor (200V)

Linear Servo Motor



*CE compliance is optional.

(1) When the from rest to check
The load and the (Even we selection)

For High Acceleration/Deceleration

(*1)

(*1) Except all 60W models and 100W 4mm lead models

Technical References



(1) When the stroke increases, the maximum speed will drop to prevent the ball screw from reaching the critical rotational speed. Use the actuator specification table below to check the maximum speed at the stroke you desire.

- (2) The load capacity is based on operation of the standard model at 0.3G (0.2G for 4mm-lead), and the high acceleration/deceleration model at 1 G (0.2G for 4mm-lead). (Even when the acceleration/deceleration is dropped, the maximum load capacity values shown in the table below are the upper limits.
- (3) The values for the horizontal load capacity assume the use of an external guide, so that there is no external force from any direction other than the forward/backward direction of the rod.
- (4) See page A-71 for details on push motion.

Ac	tuat	tor S	Sp	eci	fi	cat	io:	ns

■ Leads and Payloads						
Model number	Motor output (W)	Lead (mm)	Max. Loac Horizontal (kg)	Capacity Vertical (kg)	Rated thrust (N)	Stroke (mm)
RCS2-RA5C-①-60-16-②-③-④-⑤		16	12.0	2.0	63.8	
RCS2-RA5C-①-60-8-②-③-④-⑤	60	8	25.0	5.0	127.5	
RCS2-RA5C-①-60-4-②-③-④-⑤		4	50.0	11.5	255.1	50~300
RCS2-RA5C-①-100-16-②-③-④-⑤		16	15.0	3.5	105.8	(every 50mm)
RCS2-RA5C-①-100-8-②-③-④-⑤	100	8	30.0	9.0	212.7	
PCS2 PASC 11 100 4 10 10 10 10 10 10 10 10 10 10 10 10 10		1	60.0	18.0	1213	

■ Stroke and Maximum Speed

Stroke Lead	50~250 (every 50mm)	300 (mm)
16	800	755
8	400	377
4	200	188

(Unit: mm/s)

Code explanation ① Encoder ② Stroke ③ Applicable controller ④ Cable length ⑤ Options *See page A-71 for details on push motion.

①Encoder Type/②Stroke

	Standard price						
	① Encoder Type						
@Stroke (mm)	Incren	nental	Absolute				
	Motor Ou	itput (W)	Motor Output (W)				
	60W	100W	60W	100W			
50	_	_	_	_			
100			_				
150	_	_ _		_			
200		-	_	_			
250				_			
300	_	_	_	_			

4 Cable Length

© cubic zens		
Туре	Cable symbol	Standard Price
	P (1m)	_
Standard	S (3m)	_
	M (5m)	_
	X06 (6m) ~ X10 (10m)	_
Special length	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-59 for cables for maintenance.

© Options Ac

Name	Option code	See page	Standard price
Connector cable exit direction	A2	→ A-41	
Brake	В	→ A-42	_
CE compliance	CE	→ A-42	_
Flange bracket	FL	→ A-45	_
Foot bracket	FT	→ A-49	_
High-acceleration/deceleration (*1)	HA	→ A-50	_

(*1) The high-acceleration/deceleration option is not available for all 60W models and 100W model with 4mm lead.

Actuator Specifications

ltem	Description
Drive System	Ball screw, ø12mm, rolled C10
Positioning Repeatability	±0.02mm
Lost Motion	0.1mm or less
Base	Material: Aluminum, white alumite treated
Rod diameter	ø30mm
Non-rotating accuracy of rod	±0.7 deg
Ambient operating temperature humidity	0 to 40°C 85% RH or less (Non-condensing)

For Special Orders

P.15

Dimensional Drawings

3D

CAD

Do not apply any external force on the rod from any direction other than the direction

of the rod's motion. If a force is exerted on the rod in a perpendicular or rotational direction, the detent may become damaged.

2D CAD

Note:

www.intelligentactuator.com

*The RA5C is not available in non-motor end

configuration, due to its construction.

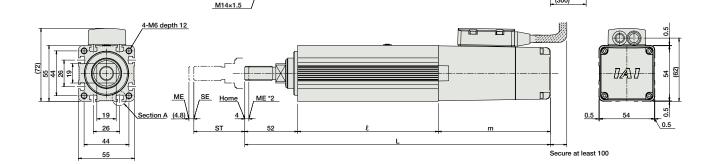
[Brake-Equipped]

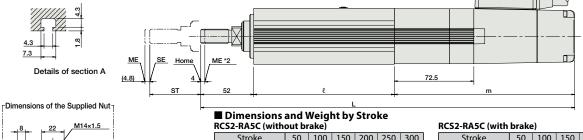
 (*1) Connect the motor and encoder cables here. See page A-59 for details on cables.
 (*2) After homing, the slider moves to the ME, therefore, please watch for any interference with surrounding objects.

> (300)

ME: Mechanical end SE: Stroke end

[No Brake] (*3) The orientation of the bolt varies depending on the product. Cable joint 9.5 (width across flats) *3





50 100 150 200 250 300 282 332 382 432 482 532 300 350 400 450 500 550 138 188 238 288 338 388 Stroke 60W 100W 60W 92 m 100W 110 Weight (kg)

_	ncs	Z-NASC (WILLI	DIAKE	:)					
)	Stroke		50	100	150	200	250	300	
		60W	354.5	404.5	454.5	504.5	554.5	604.5	
	-	100W	372.5	422.5	472.5	522.5	572.5	622.5	
	l		138	188	238	288	338	388	
		60W	164.5						
	m	100W			182	2.5			
	\	Weight (kg)	2.2	2.5	2.8	3.1	3.4	3.7	

3 Applicable Controllers

Name	External view	Model number	Features	Maximum number of positioning points	Input power	Power supply capacity	Standard price	Reference page		
Positioner mode			Up to 512 positioning points are supported.	512 points						
Solenoid valve mode	1	SCON-CA-60(1)-NP-2-(11)	Actuators can be operated through the same control used for solenoid valves.	7 points		314 VA max.	2141/4	314 VA may	_	. 0.643
Field network type	ium/	SCON-CA-100①-NP-2-①	Movement by numerical specification is supported.	768 points	Single-phase 100VAC	*Power supply	_	→ P64.		
Pulse-train input control type			Dedicated pulse-train input type	(—)	Single-phase 200VAC 3-phase	capacity will vary depending on the controller, so please refer to	_			
Positioner multi-axis, network type	田梅	MSCON-C-1-60①-②-0-⑪ MSCON-C-1-100①-②-0-⑪	Up to 6 axes can be operated. Movement by numerical specification is supported.	256 points	200VAC (XSEL-P/Q/R/S ONLY)		_	→ P655		
Program control type, 1 to 2 axes		SSEL-CS-1-60①-NP-2-⑪ SSEL-CS-1-100①-NP-2-⑪	Program operation is supported. Up to 2 axes can be operated.	20,000 points			_	→ P685		
Program control type, 1 to 8 axes	Pilita	XSEL-@-1-60①-N1-EEE-2-® XSEL-@-1-100①-N1-EEE-2-®	Program operation is supported. Up to 8 axes can be operated.	Varies depending on the number of axes connected			_	→ P695		

- *This is for the single-axis MSCON, SSEL, and XSEL.

 * ① indicates the power-supply voltage type (1: 100V / 2: Single-phase 200V).

 * ② indicates the power-supply voltage type (1: 100 V / 2: Single-phase 200V / 3: Three-phase 200V).
 - * \bigcirc indicates the encoder type (l: Incremental / A: Absolute). * \bigcirc indicates the XSEL type (J / K / P / Q / R / S). * \bigcirc indicates field network specification symbol.