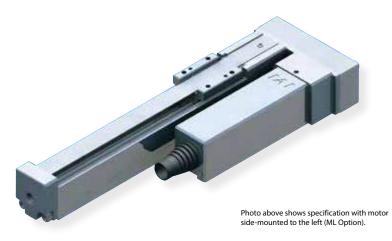
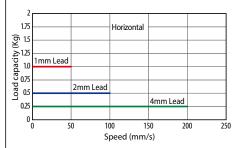
#### **SA2AR** ROBO Cylinder Mini Slider Type Side-Mounted Motor Type Actuator Width 58mm Pulse Motor ■ Model Description RCP3 - SA2AR - I**20P** Series Encoder type Motor type Lead Stroke Cable length Option Compatible controllers l: Incremental specification N: None P: 1 m S: 3 m See options table below. 20P: Pulse motor 4S: Lead screw 4mm 25: 25mm P3: PCON 20□size 2S: Lead screw 2mm MSEL \* Model number is "I" when used with 1S: Lead screw 1mm 100: 100mm \* Be sure to specify P5: RCON M: 5 m (every 25mm) which side the RSEL X□□: Length Designation motor is to be mounted (ML/MR) simple absolute unit. \* See page 14 for details on the model descriptions.



■ Correlation Diagrams of Speed and Load Capacity With the RCP3 series, due to the characteristics of the pulse motor, load capacity decreases as the speed increases. Use the chart below to confirm that the desired speed and load capacity requirements are met.





- (1) The payload is the value when operated at 0.2G acceleration. The acceleration upper limit is the value indicated above.
- (2) Cannot be used in the horizontal orientation with the slider facing to the side or in the vertical orientation.
- (3) Service life decreases significantly if used in a dusty environment.

	Actuator S	pecifications	Table
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### ■ Leads and Payloads

Model	Feed	Lead	Maximum	n payload	Positioning	Stroke
Model	screw	(mm)	Horizontal (kg)	Vertical (kg)	repeatability (mm)	(mm)
RCP3-SA2AR-I-20P-4S-①-②-③-④		4	0.25	_		
RCP3-SA2AR-I-20P-2S-①-②-③-④	Lead screw	2	0.5	_	±0.05	25 to 100 (every 25mm)
RCP3-SA2AR-I-20P-1S-①-②-③-④		1	1	_		
Logand Ostroka OCampatible Controllers	(Cable	lonath	Ontion			

Legend	1 Stroke	(2) Compatible Controllers	3 Cable length	4 Option
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### ■ Stroke and Maximum Speed

Lead	Stroke	25 (mm)	50~100 (mm)						
We	4	180	200						
Lead screw	2	10	00						
Le	1	50							

(unit: mm/s)

### ① Stroke list

① Stroke (mm)	Standard price
25	_
50	_
75	_
100	_

Standard price	Tvo

① Stroke (mm)	Standard price
25	_
50	_
75	_
100	_

Туре	Cable symbol	Standard price
Charadanal tomas	<b>P</b> (1m)	_
Standard type (Robot cable)	<b>S</b> (3m)	_
(RODOL Cable)	<b>M</b> (5m)	_
	<b>X06</b> (6m) ~ <b>X10</b> (10m)	_
Special length	<b>X11</b> (11m) ~ <b>X15</b> (15m)	_
	X16 (16m) ~ X20 (20m)	_
*The standard cable fo	or the BCB3 is the robot cable	

## **4**Options

Title	Option code	See page	Standard price
Specification with motor side-mounted to the left	ML	_	_
Specification with motor side-mounted to the right	MR	_	_
Reversed-home specification	NM	_	_

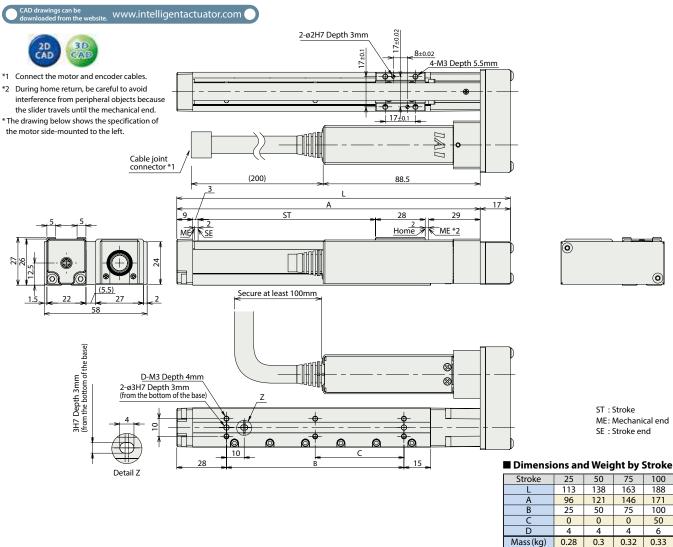
### Actuator Specifications

③ Cable Length

Actuator specifications	
ltem	Description
Drive System	Lead screw, ø4mm, rolled C10
Lost motion	0.3mm or less (initial value)
Base	Material: Aluminum, white alumite treated
Guide	Slide guide
Ambient operating temperature, humidity	0 to 40°C, 85% RH or less (Non-condensing)
Service life	10 million cycles

0.32 0.33

# Dimensional Drawings



### Applicable Controllers

The actuators on this page can be operated by the controllers indicated below. Please select the type depending on your intended use.

								Coi	ntrol i	neth	od									Reference page
Name	External view	Max. number of connectable axes		Positioner	Pulse-	Program					Ne	twor	k opti	on *1					Maximum number of positioning points	
	VICVV	connectable axes	voltage	rositionei	train	Flogram	DV	CC	CIE	PR	CN	ML	ML3	EC	EP	PRT	SSN	ECM	or positioning points	
MSEL-PC/PG		4	Single phase 100VAC/230VAC	-	-	•	•	•	-	•	-	-	-	•	•	•	-	-	30000	
PCON-CB/CGB	-	1		● * Option	* Option	-	•	•	•	•	•	•	•	•	•	•	-	-	512 (768 for network spec.)	
PCON-CYB/PLB/POB		1		● * Option	• * Option	-	-	-	-	-	-	-	-	-	-	-	-	-	64	Please contact IAI for more information
RCON	HOM IL	16 (ML3,SSN_ECM=8)	24VDC	-	-	-	•	•	•	•	-	-	•	•	•	•	•	•	128 (No position data for ML3, SSN, ECM),	- more imormation.
RSEL	We to	8		-	-	•	•	•	•	•	-	-	-	•	•	•	-	-	36000	

<sup>\*1</sup> For network abbreviations such as DV and CC, please contact IAI.

### More controller info is available in the General Controller Catalog PDF.



0.28 0.3

<sup>\*</sup> This is for the single-axis PSEL
\* ① indicates the power-supply voltage type (1: 100 V/2: 100 to 240 V).