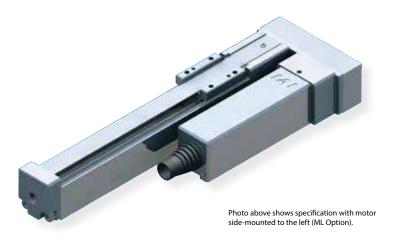
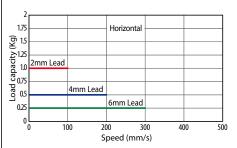
ROBO Cylinder Mini Slider Type Side-Mounted Motor Type Actuator Width 59.5mm Pulse Motor ■ Model Description RCP3 - SA2BR - I**20P** Series Encoder type Motor type Lead Stroke Option Compatible controllers Cable length I: Incremental specification N: None P: 1 m S: 3 m See options table below. 20P: Pulse motor 6S: Lead screw 6mm 25: 25mm P3: PCON 20□size 4S: Lead screw 4mm MSEL * Model number is "I" when used with 2S: Lead screw 2mm 150: 150mm * Be sure to specify P5: RCON M: 5 m (every 25mm) which side the RSEL motor is to be mounted (ML/MR). simple absolute unit. X□□: Length Designation * 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 Specifications Table	■ Leads and Payloads	■ Stroke and Maximum Speed
	Actuator Specifications Table	

■ Lead

	Model	Feed screw	Lead (mm)	Maximun Horizontal (kg)	n payload Vertical (kg)	Positioning repeatability (mm)	Stroke
		SCIEW	(111111)	Horizontai (kg)	vertical (kg)	repeatability (IIIII)	(mm)
	RCP3-SA2BR-I-20P-6S-①-②-③-④		6	0.25	_		
	RCP3-SA2BR-I-20P-4S-①-②-③-④	Lead screw	4	0.5	_	±0.05	25 to 150 (every 25mm)
	RCP3-SA2BR-I-20P-2S-①-②-③-④		2	1	_		2311111)
ľ	Legend ① Stroke ② Compatible Controllers	3 Cable	length	4 Option			

Lead	Stroke	(mm)	(mm)	/5~150 (mm)
We	6	180	280	300
Lead screw	4	180	20	00
Le	2		100	

(unit: mm/s)

① Stroke list

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

	100	L I a		ماخيم
(ડ	лса	pje	Len	oun
_				

Туре	Cable symbol	Standard price			
Charadanal huma	P (1m)	_			
Standard type (Robot cable)	S (3m)	_			
(RODOL Cable)	M (5m)	_			
	X06 (6m) ~ X10 (10m)				
Special length	X11 (11m) ~ X15 (15m)	_			
	X16 (16m) ~ X20 (20m)	_			

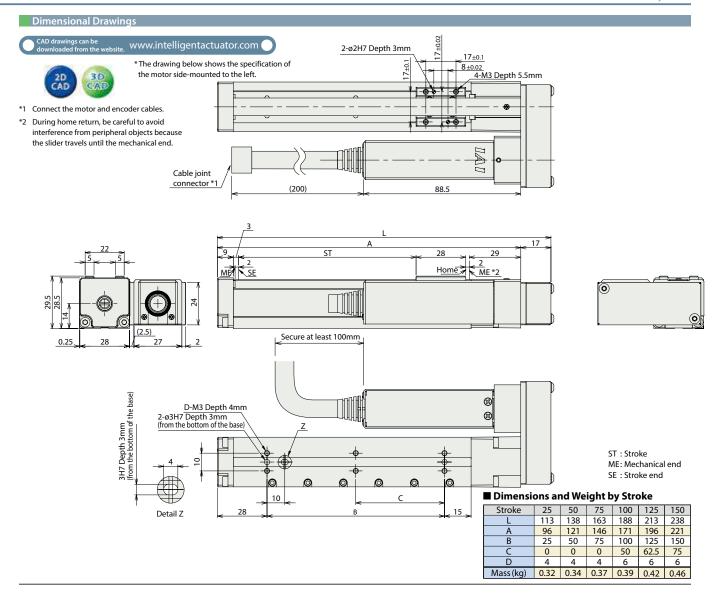
^{*}The standard cable for the RCP3 is the robot cable.

3 Ontions

© 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

ltem	Description
Drive System	Lead screw, ø6mm, 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



Applicable Controllers

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

	External Max. number of Pow	Power cupply		Control method										Maximum number						
Name	view	connectable axes	voltage	Positioner	ositioner Pulse-									ECM	of positioning points	Reference page				
MSEL-PC/PG	0	4	Single phase 100VAC/230VAC	-	-	•	•	•	-	•	-	-	-	•	•	•	-	-	30000	
PCON-CB/CGB	-	1		• * Option	Option	-	•	•	•	•	•	•	•	•	•	•	-	-	512 (768 for network spec.)	
PCON-CYB/PLB/POB	1	1	2005	• * Option	Option	-	-	-	-	-	-	-	-	-	-	-	-	-	64	Please contact IAI for more information.
RCON	HOM TO	16 (ML3,SSN,ECM=8)	24VDC	-	-	-	•	•	•	•	-	-	•	•	•	•	•	•	128 (No position data for ML3, SSN, ECM),	
RSEL	Wet	8		-	-	•	•	•	•	•	-	-	-	•	•	•	-	-	36000	

^{*1} For network abbreviations such as DV and CC, please contact IAI.

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

