Standard
controllers
integrated

Rod
Type

Mini

Standard

Controllers
Integrated

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

ROBO Cylinder 2-Finger Gripper Mini Slider Type 69mm Width Pulse Motor **20P** RCP2- GRS 10 Motor Encoder Stroke - Compatible Contro Cable Length Option Type I: Incremental

* The Simple
absolute encoder
is also considered
type "I". N : None P : 1m S : 3m M : 5m 20P : 20 □ size 10: 10mm P1: PCON SB: Shaft bracket Pulse motor deceleration ratio (5mm per side) RPCON FB:Flange bracket PSEL P3: PMEC X : Custom
R : Robot cable PSEP * See page Pre-35 for an explanation of the naming convention



Technical References

(1) The maximum opening/closing speed indicates the operating speed on one side. The relative operating speed is twice this value.

value.

The maximum gripping force is the sum of the gripping forces of both fingers, at a gripping point where there is no offset or overhang distance. The work piece weight that can be actually moved depends on the friction coefficient between the gripper fingers and the work piece, as well as on the shape of the work piece. As a rough guide, a work piece's weight should not exceed 17/10 to 1/20 of the gripping force.

(See page A-74 for details.) (2)

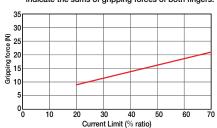
(3) The rated acceleration while moving is 0.3G

Legend: ① Compatible controllers ② Cable length ③ Options

■ Gripping Force Adjustment

The gripping (pushing) force can be adjusted freely within the range of current limits of 20% to 70%.

* The gripping forces in the following diagrams indicate the sums of gripping forces of both fingers.



* Please note that, when gripping (pushing), the speed is fixed at 5mm/s.

Actuator Specifications

■ Lead and Load Capacity Deceleration Max. Gripping Stroke Ratio Force (N) RCP2-GRS-I-20P-1-10-1 - 2 - 3 21 (5 per side)

■ Stroke and Maxi. Opening/Closing Speed 10 (mm) 33.3 (Unit: mm/s)

Stroke List

Stroke (mm)	Standard Price
10	ı

② 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.

③ Option List			
Name	Option Code	See Page	Standard Price
Flange bracket	FB	→ A-26	-
Shaft bracket	SB	→ A-36	-

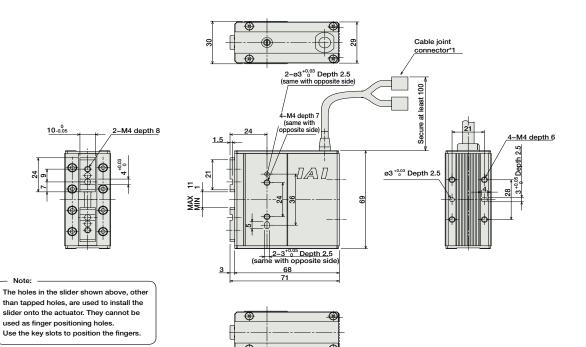
ons				
Description				
Timing belt + trapezoidal screw (1.5 lead)				
±0.01mm				
0.15mm or less per side (constantly pressed out by a spring)				
0.1mm or less per side				
Cross roller guide				
Ma: 6.3 N·m Mb: 6.3 N·m Mc: 7.0 N·m				
0.36kg				
0~40°C, 85% RH or less (non-condensing)				

For Special Order

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- The opening side of the slider is the home position.

 The motor-encoder cable is connected here. See page A-39 for details on cables.



Weight (kg) 0.36

The RCP2 serie	es actuators car	operate with the cor	trollers below. Select the controller ac	cording to your usag	e.			
Name	External View	Model	Description	Max. Positioning Points	Input Voltage	Power Supply Capacity	Standard Price	See Page
Solenoid Valve Type	118	PMEC-C-20PI-NP-2-①	Easy-to-use controller, even for beginners		AC100V AC200V	See P481	-	→ P477
solelioid valve lype		PSEP-C-20PI-NP-2-0	Operable with same signal as solenoid valve. Supports both single and double solenoid types. No homing necessary with simple absolute type.	types.	DC24V	2A max.	-	– → P487
Splash-Proof Solenoid Valve Type		PSEP-CW-20PI-NP-2-0					1	
Positioner Type		PCON-C-20PI-NP-2-0	Positioning is possible for up to 512 points	512 points			-	→ P525
Safety-Compliant Positioner Type		PCON-CG-20PI-NP-2-0					-	
Pulse Train Input Type Differential Line Driver)		PCON-PL-20PI-NP-2-0	Pulse train input type with differential line driver support	- (-)			-	
Pulse Train Input Type (Open Collector)		PCON-PO-20PI-NP-2-0	Pulse train input type with open collector support				1	
Serial communication Type	Í	PCON-SE-20PI-N-0-0	Dedicated to serial communication	64 points			-	
Field Network Type		RPCON-20P	Dedicated to field network	768 points			-	→ P503
Program Control Type	E	PSEL-C-1-20PI-NP-2-0	Programmed operation is possible Operation is possible on up to 2 axes	1500 points			-	→ P557

IAI

RCP2-GRS **338**

