

RCP2W-GRLS ROBO Cylinder 2-Finger Gripper Mini Lever Type 42mm Width Pulse Motor

Configuration: **RCP2W** — **GRLS** — **I** — **20P** — **30** — **180** — — —
 Series — Type — Encoder — Motor — Lead — Stroke — Compatible Controllers — Cable Length — Option
 I: Incremental Type 20P: Pulse motor 30: Deceleration 180: 180 Degree P1: PCON N: None NM: Reversed-home
 * The simple absolute encoder is also considered type "I". 20 size ratio 1/30 (One side 90 degrees) RPCON PSEL P: 1m FB: Flange Bracket
 P3: PMEC M: 5m SB: Shaft Bracket
 PSEP X : Custom Length
 * See page Pre-35 for explanation of each code that makes up the configuration name.

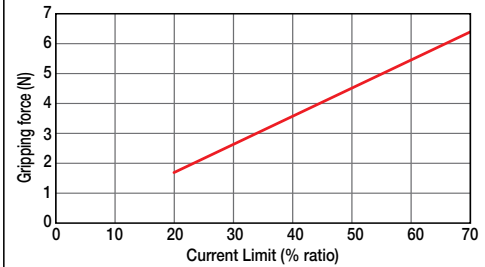


Technical References P. A-5

Grip Force Arrangement

Through push operation the grip force (push force) can be arranged freely within the range of 20%~70% of current limit value of the controller.

* Grip force noted in the figure below is the sum of the grip force of two fingers.



* Please note when gripping (pushing) is performed the speed will be fixed at 5 degrees/sec.

- POINT** Notes on Selection
- (1) The max. open/close speed represents one side operating speed.
 - (2) The max. grip force will be the sum of the two fingers grip force when the distance for grip point and over hang is 0. The actual work part weight which can be transported depends on the friction constant between finger and work part material, and the form; typically it is 1/10 ~ 1/20 or less than gripping force. (See page A-77 for details.)
 - (3) The rated acceleration at transportation is 0.3G.
 - (4) Please note that the product has no splash-proof function.

Actuator Specifications

Lead and Load Capacity

Model	Deceleration ratio	Max. Grip Force (N)	Stroke (degrees)
RCP2W-GRLS-I-20P-30-180-①-②-③	30	6.4	180 (One side 90)

Legend ① Compatible controller ② Cable length ③ Options

Stroke and Maximum Open/Close Speed

Deceleration ratio	Stroke	180 (degrees)
	30	600

(Unit: degrees/s)

Stroke List

Stroke (degrees)	Standard Price
180	—

② Cable List

Type	Cable Symbol	Standard Price
Standard (Robot Cables)	P (1m)	—
	S (3m)	—
	M (5m)	—
Special Lengths	X06 (6m) ~ X10 (10m)	—
	X11 (11m) ~ X15 (15m)	—
	X16 (16m) ~ X20 (20m)	—
	X16 (16m) ~ X20 (20m)	—

* The standard cable is the motor-encoder integrated robot cable.

* See page A-39 for cables for maintenance.

③ Option List

Name	Option Code	See Page	Standard Price
Reversed-home	NM	A-33	—
Flange Bracket	FB	26	—
Shaft Bracket	SB	36	—

Actuator Specifications

Item	Description
Drive System	Worm gear + Helical gear
Positioning Repeatability	±0.01mm
Backlash	1 degree or less for one side (stressed by spring on the side which is opened always)
Lost Motion	0.1 mm or less one side
Guide	—
Statically Allowable Load Moment	—
Weight	0.2kg
Ambient Operating Temp./Humidity	0~40°C, 85%RH or less (Non-condensing)

