

ROBO Cylinder Mini-Gripper
Cleanroom Type

RCP2CR-GRSS/GRLS

ROBO Cylinder Mini-Gripper
Dustproof type

RCP2W-GRSS/GRLS



Features

1 Cleanroom specification

The cleanroom specification means air is extracted from inside the body of the actuator to give it a cleanroom class rating of 10 (0.1 μ m).

3 Small and lightweight, High-torque, Long strokes

Small, lightweight actuator, 42mm-wide, 71mm-high, weighing 200g with a 14N maximum grip strength, and 8mm open/close stroke specifications.

5 Two settings: Slider type and lever type

A two-type lineup features a guide-equipped slider type with excellent rigidity and a lever type whose lever can be opened and closed 180 degrees.

2 Dustproof Specification

The dustproof specification eliminates the suction coupling of the clean specification and enables use in dusty adverse environments with IP50-equivalent dustproofing.

* There is no splash-proof function.

4 Multi-point positioning and adjustable grip strength

Servo-controlled positioning for up to 1,500 points and a capability to make fine adjustments to the grip as needed.

Model

Type	Layout	Model
Cleanroom Type	Slider Type	RCP2CR-GRSS-I-20P-30-8-P1-□
	Lever Type	RCP2CR-GRSL-I-20P-30-180-P1-□
Dustproof Type	Slider Type	RCP2W-GRSS-I-20P-30-8-P1-□
	Lever Type	RCP2W-GRSL-I-20P-30-180-P1-□

Specification

Item	Cleanroom Type		Dustproof Type	
Type	Slider Type	Lever Type	Slider Type	Lever Type
Model	RCP2CR-GRSS	RCP2CR-GRLS	RCP2W-GRSS	RCP2W-GRLS
Open/Close Stroke	8 (4 per side) mm	180 (90 per side) degrees	8 (4 per side) mm	180 (90 per side) degrees
Maximum gripping force	14.0N	6.4N	14.0N	6.4N
Maximum Open/Close Speed	78 (per side) mm/s	600 (per side) deg/sec	78 (per side) mm/s	600 (per side) deg/sec
Positioning Repeatability	±0.01mm	±0.01 degrees	±0.01mm	±0.01 degrees
Static Allowable Moment (N·m)	Ma : 0.5 Mb : 0.5 Mc : 1.5	--	Ma : 0.5 Mb : 0.5 Mc : 1.5	--
Cleanliness	Class 10 (0.1μm)		—	
Suction Tube Coupling	One-touch tube coupling, Suitable tube outer diameter φ4		—	
Suction Volume	10NI/min		—	
Actuator Unit Weight	0.2kg			
Compatible Controllers	PCON / PSEL / RPCON (ROBONET)			

External Dimensions

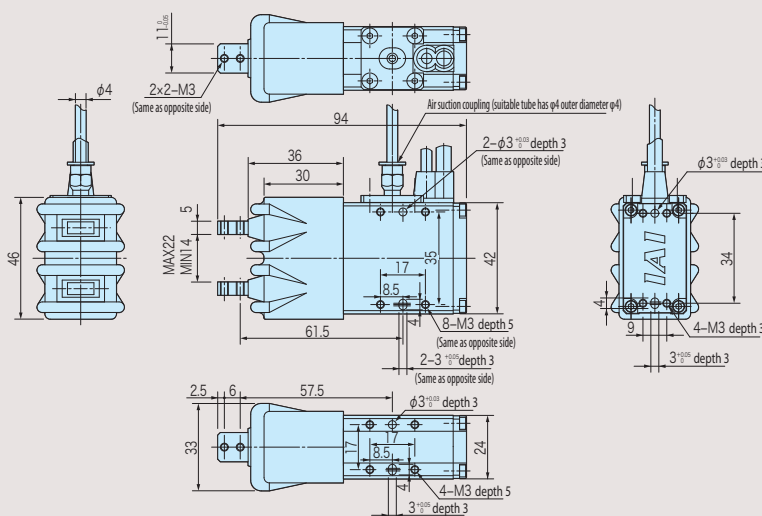
[Cleanroom Slider Type]

(Model RCP2CR-GRSS-I-20P-30-8-P1)

[Dustproof Slider Type]

(Model RCP2W-GRSS-I-20P-30-8-P1)

* Dustproof type is not equipped with an air suction coupling.



[Cleanroom Lever Type]

(Model RCP2CR-GRLS-I-20P-30-180-P1)

[Dustproof Lever Type]

(Model RCP2W-GRLS-I-20P-30-180-P1)

* Dustproof type is not equipped with an air suction coupling.

