

# IAI

Quality and Innovation

## Gripper Series

### Solenoid Motor

Max. Stroke (mm) : 4 (2 per side)  
Max. Grip Force [N] : 10 (5 per side), 20 (10 per side)

**GRS-SEG**  
(Outer diameter grip)  
**GRS-SIG**  
(Inner diameter grip)

**GRS-MEG**  
(Outer diameter grip)  
**GRS-MIG**  
(Inner diameter grip)

Body width  
30 mm



Body width  
30 mm



### Rotary Chuck Type RCP6-RTCK

#### 24V Pulse Motor

Battery-less Absolute Encoder



- Multi-point positioning of the rotary part
  - Compact size
  - Highly flexible installation
- Coming soon**
- Rotation Operation Range (deg) : 0 to 360  
Max. Torque (N·m) : 0.29, 0.36  
Max. Rotation Speed (deg/s) : 1800  
Max. Grip Force [N] : 10 (5 per side), 20 (10 per side)

### Slider Type

#### 24V Brushless DC Motor

##### Incremental Encoder

Max. Stroke (mm) : 4 (2 per side)  
Max. Grip Force [N] : 10 (5 per side)  
Max. Speed (mm/s) : 134 (67 per side)

#### RCD-GRSNA

Body width  
20 mm



Ultra Compact Type

#### 230V Servo Motor

##### RCS2-GR8

Max. Stroke (mm) : 200  
Max. Grip Force [N] : 31.3 (15.65 per side)  
Max. Speed (mm/s) : 400

Body width  
100 mm



#### 24V Pulse Motor

##### Battery-less Absolute Encoder

Max. Stroke (mm) : 30 (15 per side), 80 (40 per side)  
Max. Grip Force [N] : 120 (60 per side), 150 (75 per side), 300 (150 per side)  
Max. Speed (mm/s) : 150 (75 per side), 240 (120 per side), 120 (60 per side)

#### RCP6-GRT7A

Body width  
90 mm



#### RCP6-GRT7B

Body width  
120 mm



#### 24V Pulse Motor

#### Coupling Type

Battery-less Absolute Encoder

Built-in controller available

Max. Stroke (mm) : 230 (115 per side), 260 (130 per side)  
Max. Grip Force [N] : Lead 8 : 110 (55 per side), 340 (170 per side)  
Lead 2 : 310 (155 per side), 880 (440 per side)  
Max. Speed (mm/s) : Lead 8 : 360 (180 per side)  
Lead 2 : 90 (45 per side)

#### RCP6-GRST6C RCP6S-GRST6C

Body width  
60 mm



#### RCP6-GRST7C RCP6S-GRST7C

Body width  
70 mm



#### 24V Pulse Motor

#### Side-mounted Motor Type

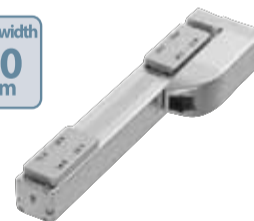
Battery-less Absolute Encoder

Built-in controller available

Max. Stroke (mm) : 230 (115 per side), 260 (130 per side)  
Max. Grip Force [N] : Lead 8 : 110 (55 per side), 340 (170 per side)  
Lead 2 : 310 (155 per side), 880 (440 per side)  
Max. Speed (mm/s) : Lead 8 : 360 (180 per side)  
Lead 2 : 90 (45 per side)

#### RCP6-GRST6R RCP6S-GRST6R

Body width  
60 mm



#### RCP6-GRST7R RCP6S-GRST7R

Body width  
70 mm



#### 24V Pulse Motor

#### RCP2 / RCP4 Series

##### Incremental Encoder

Max. Stroke (mm) : 8 (4 per side) ~ 40 (20 per side)  
Max. Grip Force [N] : 14 (7 per side) ~ 220 (110 per side)  
Max. Speed (mm/s) : 66 (33 per side) ~ 314 (157 per side)

#### RCP2-GRSS

Body width  
40 mm



#### RCP4-GRSML

Body width  
50 mm



#### RCP4-GRSLL

Body width  
70 mm



#### RCP4-GRSWL

Body width  
80 mm



#### RCP2-GRST

Body width  
130~240 mm

Deceleration ratio: 1/1  
Max. Stroke (mm) : 150 (75 per side)  
Max. Grip Force [N] : 20 (10 per side)  
Max. Speed (mm/s) : 150 (75 per side)

Deceleration ratio: 1/2  
Max. Stroke (mm) : 150 (75 per side)  
Max. Grip Force [N] : 40 (20 per side)  
Max. Speed (mm/s) : 68 (34 per side)



#### RCP2-GRS

Body width  
70 mm



#### RCP2-GRM

Body width  
70 mm



#### RCP2-GRHM

Body width  
120 mm



#### RCP2-GRHB

Body width  
130 mm



## Slider Type

24V Pulse Motor

Cleanroom Type

ISO Cleanliness Class  
4

Incremental Encoder

Max. Stroke (mm) : 8 (4 per side), 10 (5 per side), 14 (7 per side)  
Max. Grip Force [N] : 14 (7 per side), 21 (10.5 per side), 80 (40 per side)  
Max. Speed (mm/s) : 156 (78 per side), 66 (33 per side), 72 (36 per side)

RCP2CR-GRSS

RCP2CR-GRS

RCP2CR-GRM

Body width  
40 mm



Body width  
70 mm



Body width  
80 mm



24V Pulse Motor

Dust-Proof Type

IP50

Incremental Encoder

Max. Stroke (mm) : 8 (4 per side), 10 (5 per side), 14 (7 per side)  
Max. Grip Force [N] : 14 (7 per side), 21 (10.5 per side), 80 (40 per side)  
Max. Speed (mm/s) : 156 (78 per side), 66 (33 per side), 72 (36 per side)

RCP2W-GRSS

RCP2W-GRS

RCP2W-GRM

Body width  
40 mm



Body width  
70 mm



Body width  
80 mm



## Lever Type

24V Pulse Motor

Max. Stroke (deg/s) : 180 (90 per side)  
Max. Grip Force [N] : 6.4 (3.2 per side) ~ 90 (45 per side)  
Max. Speed (deg/s) : 1200 (600 per side), 1286 (643 per side)

Incremental Encoder

RCP2-GRLS

RCP2-GRLM

RCP4-GRLL

RCP4-GRLW

Body width  
40 mm



Body width  
50 mm



Body width  
70 mm



Body width  
80 mm



Cleanroom Type

ISO Cleanliness Class  
4

Max. Stroke (deg/s) : 180 (90 per side)  
Max. Grip Force [N] : 6.4 (3.2 per side)  
Max. Speed (deg/s) : 1200 (600 per side)

RCP2CR-GRLS

Body width  
40 mm



Dust-proof Type

IP50

Max. Stroke (deg/s) : 180 (90 per side)  
Max. Grip Force [N] : 6.4 (3.2 per side)  
Max. Speed (deg/s) : 1200 (600 per side)

RCP2W-GRLS

Body width  
40 mm



## 3-finger type Series

24V Pulse Motor

Incremental Encoder

Slider Type

Max. Stroke (mm) : 10 (5 per side), 14 (7 per side)  
Max. Grip Force [N] : 22 (11 per side), 102 (51 per side)  
Max. Speed (mm/s) : 80 (40 per side), 100 (50 per side)

RCP2-GR3SS

Body width  
60 mm



RCP2-GR3SM

Body width  
80 mm



Lever Type

Max. Stroke (deg/s) : 38 (19 per side)  
Max. Grip Force [N] : 18 (9 per side), 51 (25.5 per side)  
Max. Speed (deg/s) : 400 (200 per side)

RCP2-GR3LS

Body width  
60 mm



RCP2-GR3LM

Body width  
80 mm



Cleanroom Type

ISO Cleanliness Class  
4

Slider Type

Max. Stroke (mm) : 10 (5 per side), 14 (7 per side)  
Max. Grip Force [N] : 22 (11 per side), 102 (51 per side)  
Max. Speed (mm/s) : 80 (40 per side), 100 (50 per side)

RCP2CR-GR3SS

Body width  
60 mm



RCP2CR-GR3SM

Body width  
80 mm



Dust-Proof Type

IP50

Slider Type

Max. Stroke (mm) : 10 (5 per side), 14 (7 per side)  
Max. Grip Force [N] : 22 (11 per side), 102 (51 per side)  
Max. Speed (mm/s) : 80 (40 per side), 100 (50 per side)

RCP2W-GR3SS

Body width  
60 mm



RCP2W-GR3SM

Body width  
80 mm

