

# DH-ROBOTICS

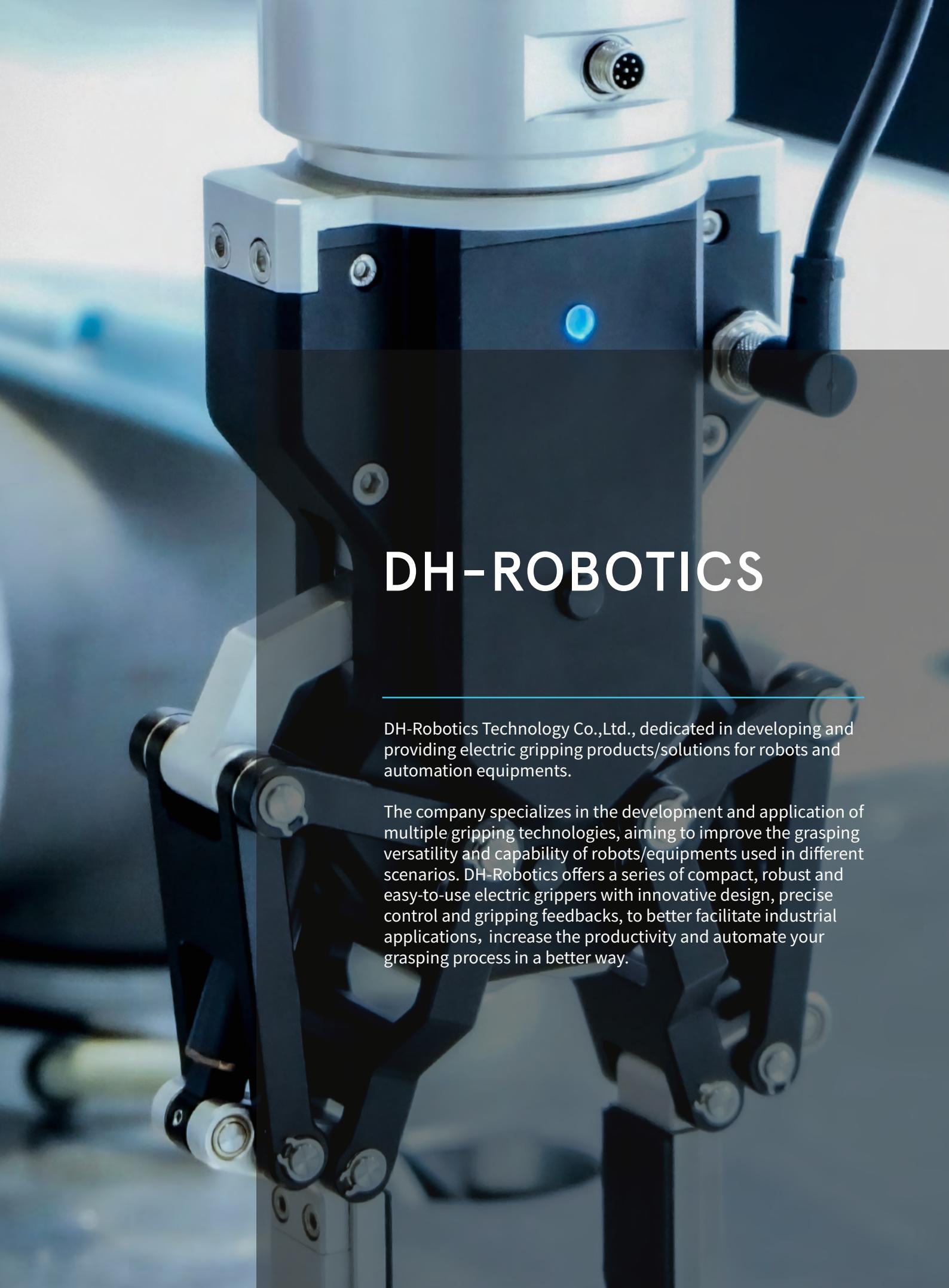
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Servo-Electric Grippers



[en.dh-robotics.com](http://en.dh-robotics.com)

A close-up photograph of a robotic gripper mechanism. The gripper is made of dark metal components, including fingers and a central frame. A blue LED light is visible on the side of the frame. A white cable with a connector is attached to the top. The background is blurred, showing more of the robotic arm.

# DH-ROBOTICS

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DH-Robotics Technology Co.,Ltd., dedicated in developing and providing electric gripping products/solutions for robots and automation equipments.

The company specializes in the development and application of multiple gripping technologies, aiming to improve the grasping versatility and capability of robots/equipments used in different scenarios. DH-Robotics offers a series of compact, robust and easy-to-use electric grippers with innovative design, precise control and gripping feedbacks, to better facilitate industrial applications, increase the productivity and automate your grasping process in a better way.

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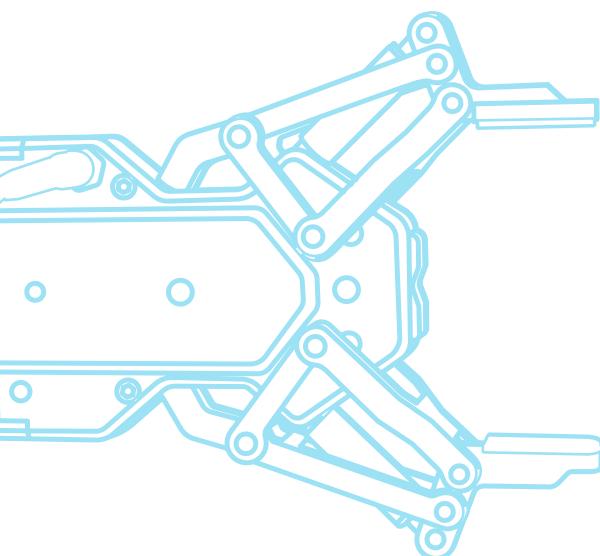
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# Application scenarios



Electronics  
handling



Laboratory  
automation

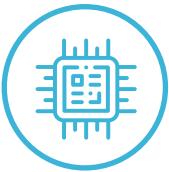


New Energy

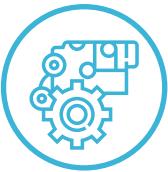
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Widely used in  
industrial fields





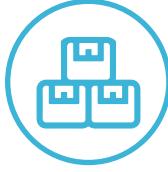
semiconductor



Car Parts



Precision Assembly



Packaging



New Retailing



教育科研



# PGE/CGE Series

## Slim-type parallel grippers

## Application Fields

Electronics, medical and laboratory automation, auto parts, new energy, semiconductors, home appliances and other industries, for various applications of small and medium-sized parts assembly, sorting, pick and place.

## Features

### Integrated design

The drive controller and communication are integrated inside the gripper, and can be used without external controller.

### Precise force control

With the special transmission design and driving algorithm compensation, the PGE is able to adjust the force continuously and achieve the force repeatability of 0.1N.

### Small size

With compact structure and flexible installation, the PGE is able to save the design space

### Intelligent feedback

The PGE series is easy to monitor the gripping process according to the functions such as grasping status detection, real-time position detection and drop detection.

### Adjustable parameters

The PGE series is able to meet the requirements from different applications with the adjustable of the gripping position, force, and speed.

# PGI/CGI Series

## Slim-type parallel grippers

## Application Fields

mechanical processing, electronics, auto parts, new energy, home appliances, packaging and other industries, for the pick & place and assembly of medium-sized parts

## Features

### Integrated design

The drive controller and communication are integrated inside the gripper, and can be used without external controller.

### Self-locking

The PGI series is able to maintain the gripping of the workpiece when the power is off, and improve the safety of the gripping process

### Long stroke and adjustable gripping force

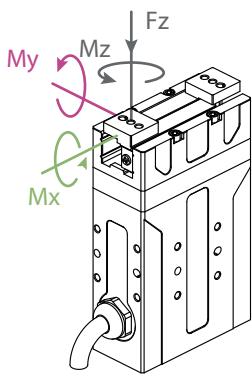
With 80mm stroke, the PGI-140 is compatible to grip objects with different size

### High protection level

The PGI series is designed for harsh environment

### Intelligent feedback

The PGE series is easy to monitor the gripping process according to the functions such as grasping status detection, real-time position detection and drop detection.



### Allowable vertical load (static)

Fz: 50 N

### Allowable vertical load (static)

Mx: 0.3 N · m

My: 0.25 N · m

Mz: 0.3 N · m

Gripping force(per jaw)

0.8~5 N

Opening/closing stroke(both sides)

26 mm

### Mechanical specifications

Maximum recommended load*	0.05 kg
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Force repeatability	$\pm 0.3$ N
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Position repeatability (both sides)	$\pm 0.02$ mm
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Opening/closing time	0.2 s/0.2 s
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Driving method	Rack and pinion + Cross roller guidance
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Weight	0.4 kg
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Noise emission	< 40 dB
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### Electrical specifications

Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT
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Nominal voltage	24 V DC $\pm 10\%$
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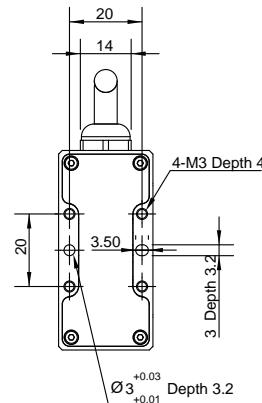
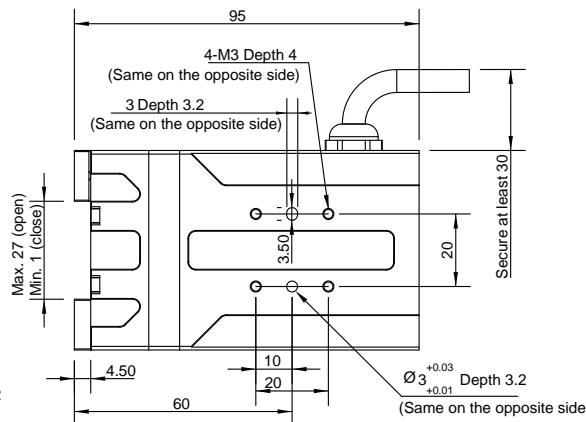
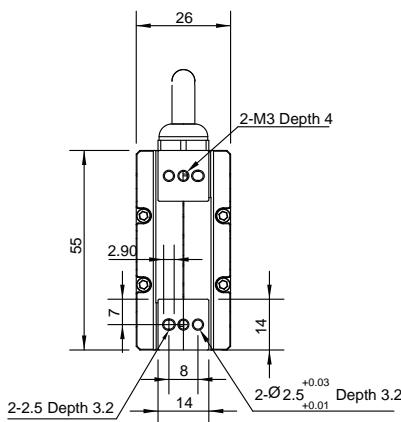
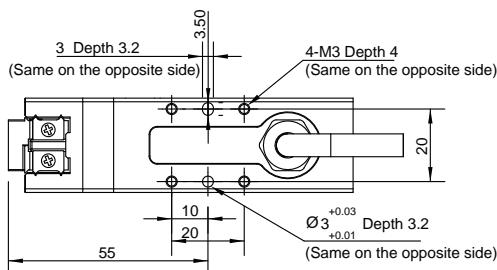
Nominal current	0.35 A
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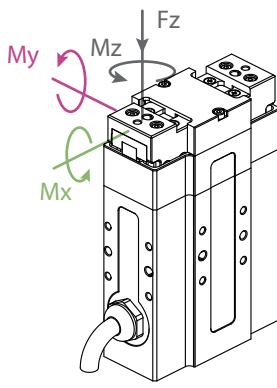
Peak current	0.6 A
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Ingress protection rating	IP 40
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Recommended operating environment	0~40°C, 85% RH under environment
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\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please consult us.





### Allowable vertical load (static)

Fz: 90 N

### Allowable vertical load (static)

Mx: 0.55 N·m

My: 0.45 N·m

Mz: 0.55 N·m

Gripping force(per jaw)

2~8 N

Opening/closing stroke(both sides)

14 mm

### Mechanical specifications

Maximum recommended load*	0.1 kg
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Force repeatability	$\pm 0.3$ N
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Position repeatability (both sides)	$\pm 0.02$ mm
-------------------------------------	---------------

Opening/closing time	0.2 s/0.2 s
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Driving method	Rack and pinion + Cross roller guidance
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Weight	0.4 kg
--------	--------

Noise emission	< 40 dB
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### Electrical specifications

Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT
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Nominal voltage	24 V DC $\pm 10\%$
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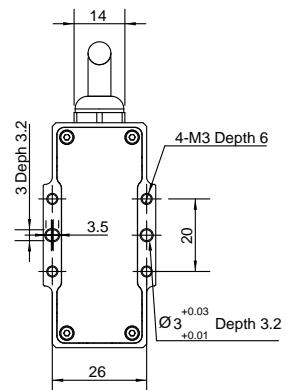
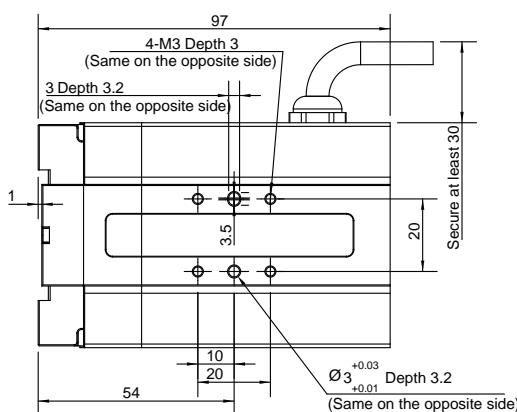
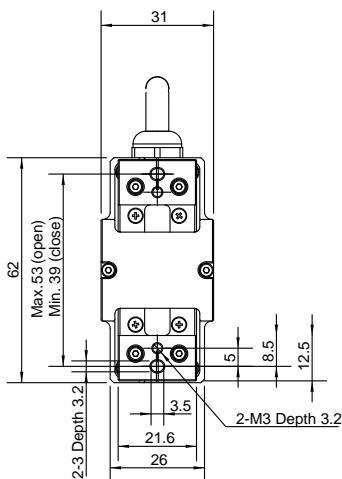
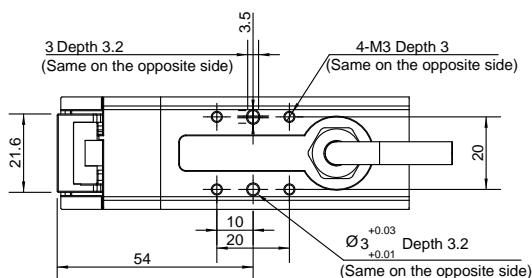
Nominal current	0.4 A
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Peak current	0.7 A
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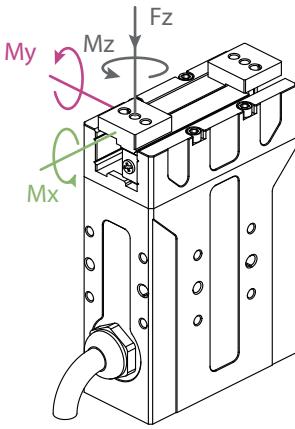
Ingress protection rating	IP 40
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Recommended operating environment	0~40°C, 85% RH under environment
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\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please consult us.



### Slim-type parallel grippers



#### Allowable vertical load (static)

Fz: 70 N

#### Allowable vertical load (static)

Mx: 0.9 N·m

My: 0.75 N·m

Mz: 0.9 N·m

#### Gripping force(per jaw)

6~15 N

#### Opening/closing stroke(both sides)

26 mm

#### Mechanical specifications

Maximum recommended load*	0.25 kg
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Position repeatability (both sides)	± 0.02 mm
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Opening/closing time	0.5 s/0.5 s
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Driving method	Rack and pinion + Cross roller guidance
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Weight	0.4 kg
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Noise emission	< 40 dB
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#### Electrical specifications

Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT
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Nominal voltage	24 V DC ± 10%
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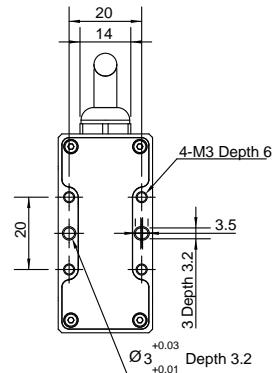
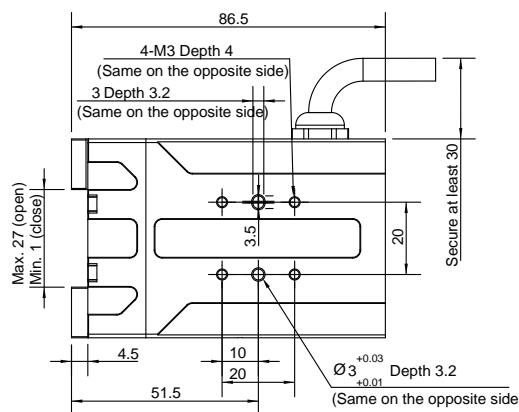
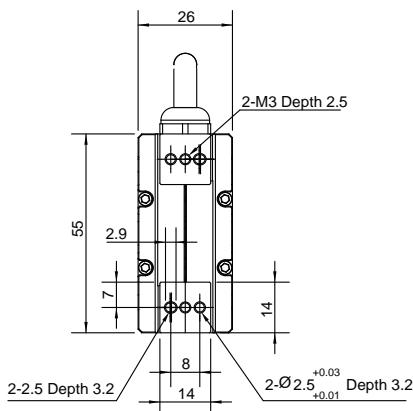
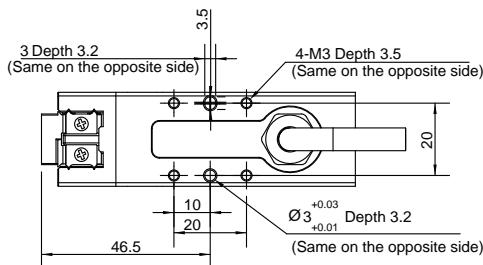
Nominal current	0.25 A
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Peak current	0.5 A
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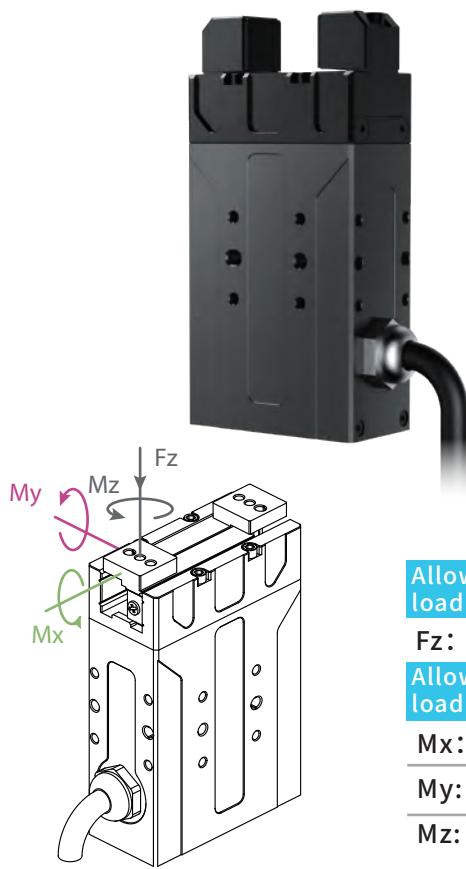
Ingress protection rating	IP 40
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Recommended operating environment	0~40°C, 85% RH under environment
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\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion. If you have any questions, please consult us.



### Slim-type parallel grippers



#### Allowable vertical load (static)

Fz: 150 N

#### Allowable vertical load (static)

Mx: 2.5 N·m

My: 2 N·m

Mz: 3 N·m

#### Gripping force(per jaw)

15~50 N

#### Opening/closing stroke(both sides)

26 mm

#### Mechanical specifications

Maximum recommended load*	1 kg
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Position repeatability (both sides)	$\pm 0.02$ mm
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Opening/closing time	0.3 s/0.3 s
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Driving method	Rack and pinion + Cross roller guidance
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Weight	0.4 kg
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Noise emission	< 40 dB
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#### Electrical specifications

Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT
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Nominal voltage	24 V DC $\pm 10\%$
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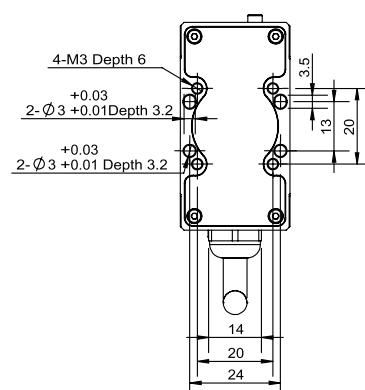
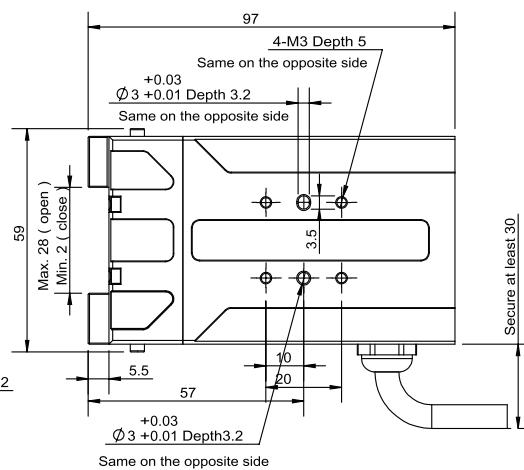
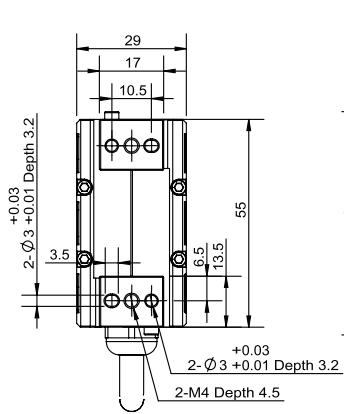
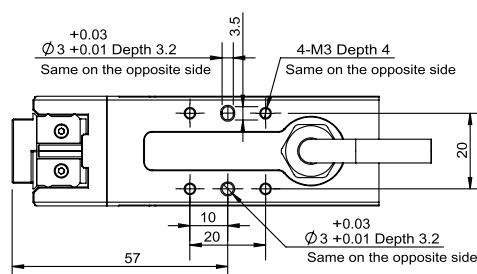
Nominal current	0.25 A
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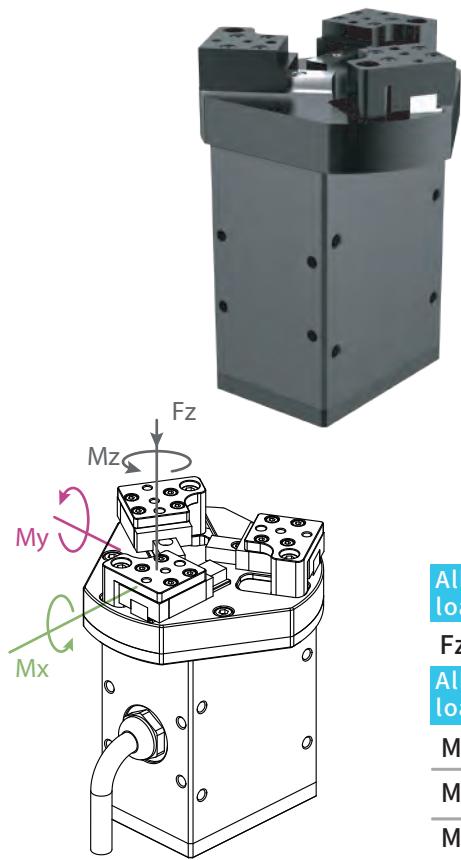
Peak current	0.5 A
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Ingress protection rating	IP 40
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Recommended operating environment	0~40°C, 85% RH under environment
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\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion. If you have any questions, please consult us.





### Allowable vertical load (static)

Fz: 150 N

### Allowable vertical load (static)

Mx: 0.62 N·m

My: 0.62 N·m

Mz: 0.62 N·m

Gripping force(per jaw)

3~10 N

Opening/closing stroke(both sides)

10 mm

### Mechanical specifications

Maximum recommended load*	0.1 kg
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Position repeatability (both sides)	± 0.03 mm
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Opening/closing time	0.3 s/0.3 s
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Driving method	齿轮齿条+直线导轨
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Weight	0.43 kg
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Noise emission	< 40 dB
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### Electrical specifications

Communication interface	Standard: Modbus RTU (RS485) , Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A,PROFINET,EtherCAT
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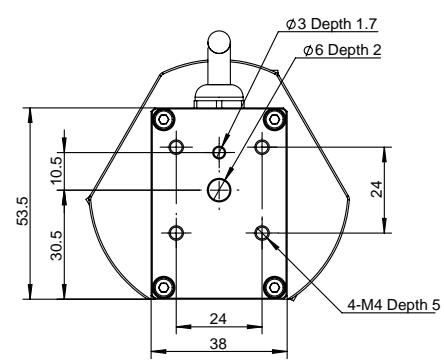
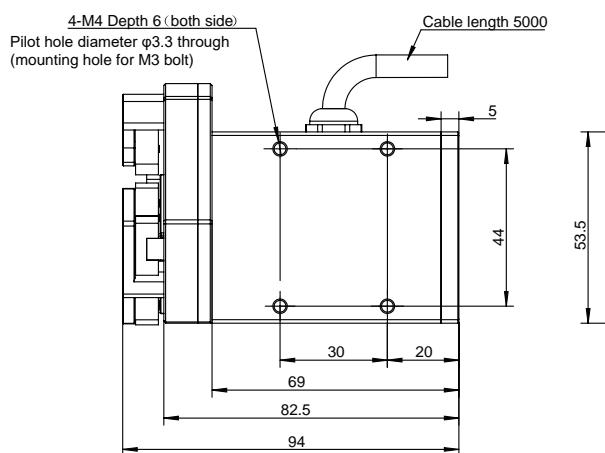
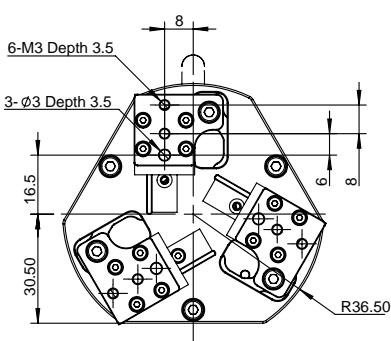
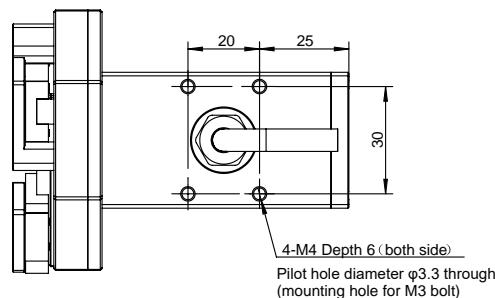
Nominal voltage	24 V DC ± 10%
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Nominal current	0.3 A
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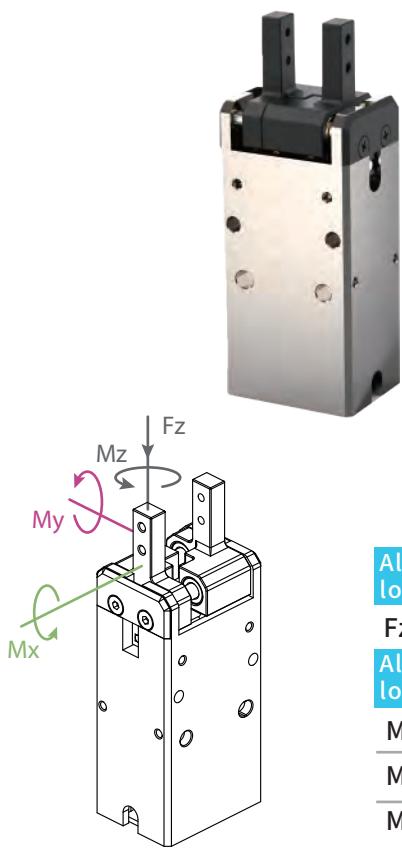
Peak current	0.6 A
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Recommended operating environment	0~40°C, 85% RH under
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\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please consult us.



### Miniature electromagnet grippers



Allowable vertical load (static)	
Fz:	150 N
Allowable vertical load (static)	
Mx:	0.62 N·m
My:	0.62 N·m
Mz:	0.62 N·m

Gripping force(per jaw)

3.5~5 N

Opening/closing stroke(both sides)

5 mm

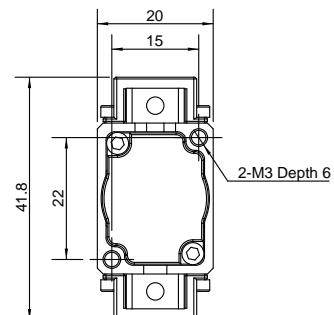
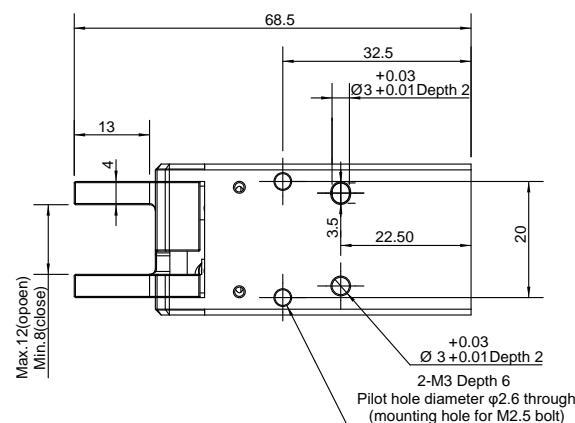
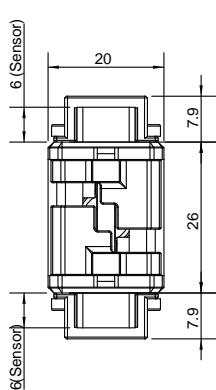
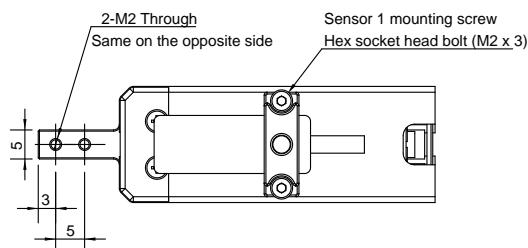
#### Mechanical specifications

Maximum recommended load*	0.05 kg
Position repeatability (both sides)	± 0.01 mm
Opening/closing time	0.03 s/0.03 s
Driving method	电磁铁+弹簧
Weight	0.2 kg
Noise emission	< 50 dB

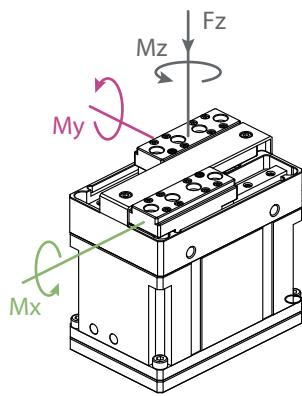
#### Electrical specifications

Communication interface	Digital I/O
Nominal voltage	24 V DC ± 10%
Nominal current	0.1 A
Peak current	3 A
Ingress protection rating	IP 40
Recommended operating environment	0~40°C, 85% RH under environment

\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please consult us.



### Slim-type parallel grippers



#### Allowable vertical load (static)

Fz: 300 N

#### Allowable vertical load (static)

Mx: 7 N·m

My: 7 N·m

Mz: 7 N·m

#### Gripping force(per jaw)

40~140 N

#### Opening/closing stroke(both sides)

80 mm

#### Mechanical specifications

Maximum recommended load*	3 kg
Position repeatability (both sides)	± 0.03 mm
Opening/closing time	0.7 s/0.7 s
Driving method	齿轮齿条+直线导轨
Weight	1 kg (不含手指)
Noise emission	< 50 dB

#### Electrical specifications

Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT
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Nominal voltage 24 V DC ± 10%

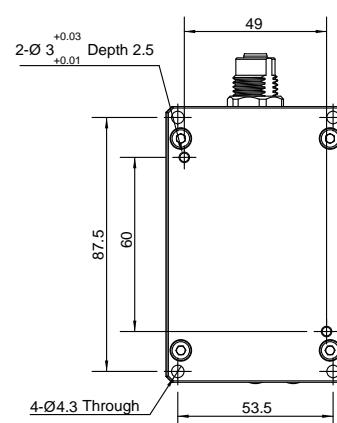
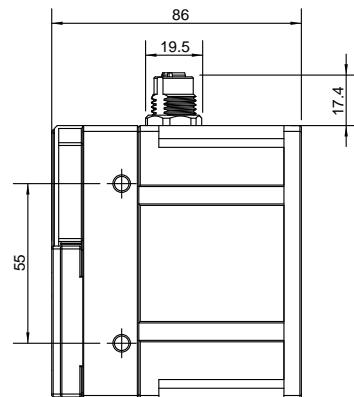
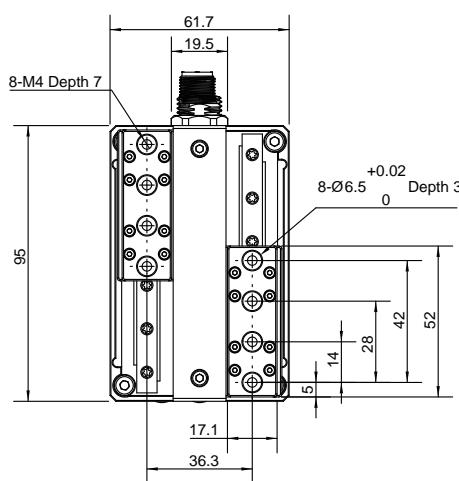
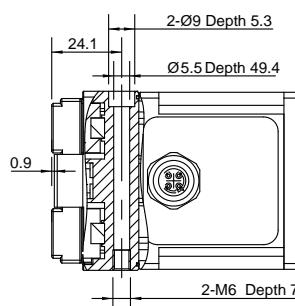
Nominal current 0.5 A

Peak current 1.2 A

Ingress protection rating IP 54

Recommended operating environment 0~40°C, 85% RH under environment

\*取决于抓取物体形状、接触面材料与摩擦力以及运动加速度等因素，抓取物体的重心偏移也会影响到负载，如有问题请咨询我们。





This type of gripper is recommended to use the standard finger. If you need to replace it in the application, please contact us for confirmation.

■ 抓持力(单侧)

■ 推荐夹持直径(向内夹持)

**30~100 N  $\varphi 40 \sim \varphi 170$  mm**

#### ■ Mechanical specifications

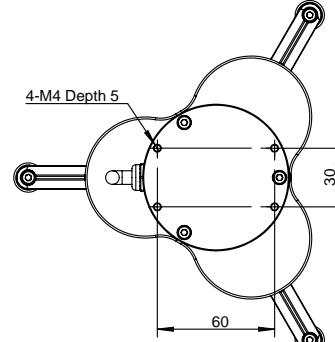
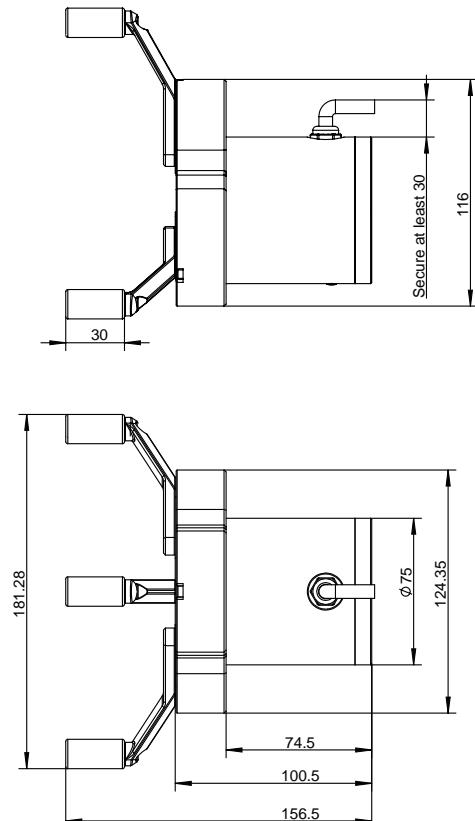
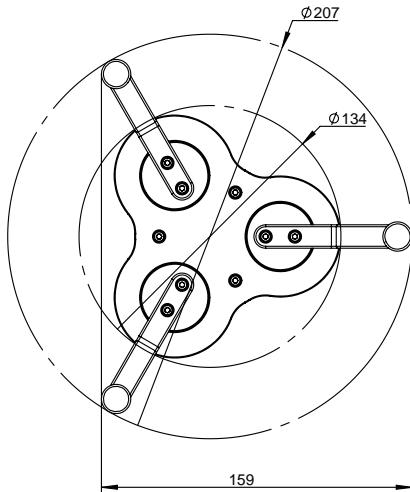
Maximum recommended load*	1.5 kg
Position repeatability (both sides)	$\pm 0.03$ mm
Opening/closing time	0.5 s/0.5 s
Driving method	Gear
Weight	1.5 kg
Noise emission	< 50 dB

#### ■ Electrical specifications

Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT
Nominal voltage	24 V DC $\pm 10\%$
Nominal current	0.4 A
Peak current	1 A
Ingress protection rating	IP 40

**Recommended operating environment** 0~40°C, 85% RH under

\*取决于抓取物体形状、接触面材料与摩擦力以及运动加速度等因素，抓取物体的重心偏移也会影响到负载，如有问题请咨询我们。



# RGI Series

Servo rotating grippers

## Application field

test tube opening and closing, parts assembly, widely used in medical and laboratory automation, electronics, home appliances, packaging, auto parts and other industries

## Features

### Gripping and infinite rotation

with the unique structural design, the RGI series is able to achieve the independent movement of gripping and infinite rotation, which is solving the non-standard design of the equipment and the winding problem of infinite rotation. It is stable and easy to use.

### Adjustable parameters

The RGI series is able to adjust the gripping force, position, speed as well as the rotation parameters like torque, rotation and angle.

### Integrated design

with 50\*50mm size, the RGI-14 is integrated with 2 sets of servo systems and the drive controller.

### Easy deployment

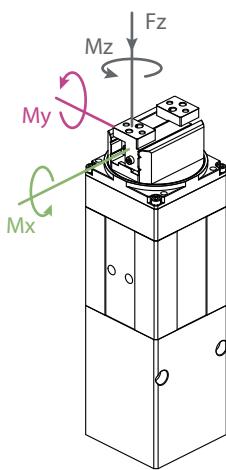
The RGI series use the standardized communication and command interfaces which is easy to work with equipment.

### Intelligent feedback

The RGI series is easy to monitor the gripping and rotation process with the intelligent feedback of gripping & rotation status and drop detection

# RGI-14

Servo rotating grippers



#### Allowable vertical load (static)

Fz: 150 N

#### Allowable vertical load (static)

Mx: 2 N·m

My: 1.5 N·m

Mz: 2.5 N·m

Gripping force(per jaw)

**10~35 N**

Rotation torque

**0.25 N·m**

Opening/closing stroke(both sides)

**14 mm**

Rotation range

**Unlimited spin**

#### Mechanical specifications

Maximum recommended load*	0.7 kg
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Maximum rotation speed	1500 deg/s
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Rotation repeatability	± 0.02 deg
------------------------	------------

Position repeatability (both sides)	± 0.02 mm
-------------------------------------	-----------

Opening/closing time	0.3 s / 0.3 s
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Weight	1.0 kg
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#### Electrical specifications

Communication interface	Standard: Modbus RTU (RS485) , Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A,PROFINET,EtherCAT
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Nominal voltage	24 V DC ± 10%
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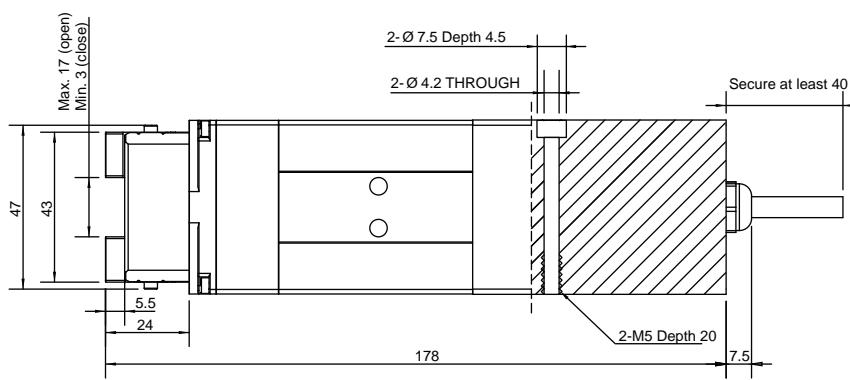
Nominal current	1.1 A
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Peak current	2 A
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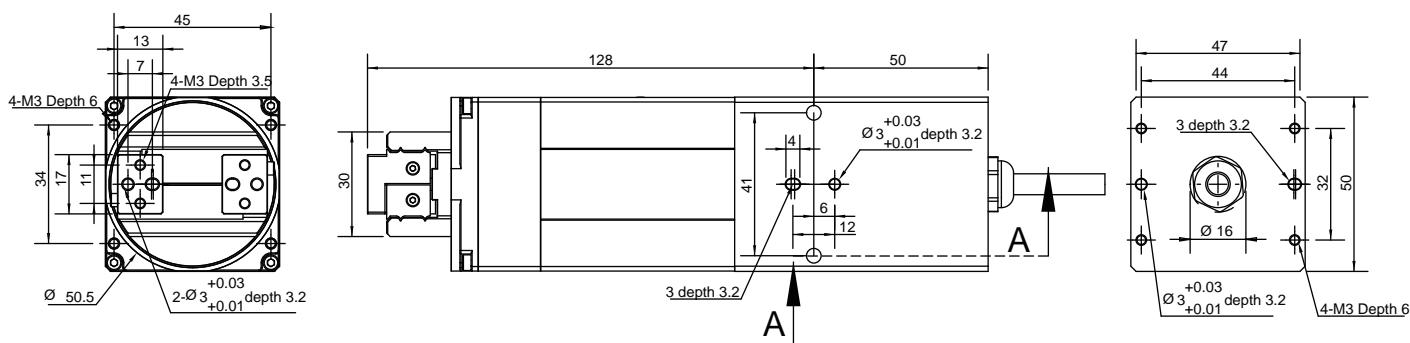
Ingress protection rating	IP 20
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Recommended operating environment	0~40°C, 85% RH under
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\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please consult us.



A-A Section





# PGC 系列

Collaborative parallel grippers

## Application field

The PGC series is able to applied with collaborative and industrial robots for loading, pick&place, assembly, inspection in machining, electronics, medical... etc. industries.

## Features

### Plug and Play

The PGC series support the Plug & Play with most brands of collaborative robot.

### High protection level

The PGC series is suitable for harsh working environment with the high protection level of IP54 and IP67.

### Integrated design

The drive controller and communication are integrated inside the gripper, and can be used without external controller.

### Self-locking\*

The PGC series is able to maintain the gripping of the work-piece when the power is off, and improve the safety of the gripping process

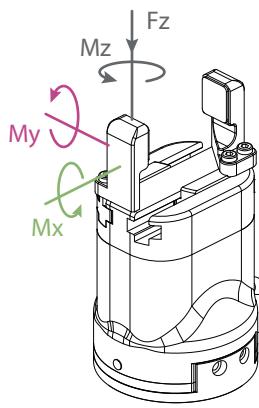
### Intelligent feedback

The RGI series is easy to monitor the gripping and rotation process with the intelligent feedback of gripping & rotation status and drop detection

\*PGC-50 Except

# PGC-50

Collaborative parallel grippers



#### Allowable vertical load (static)

Fz: 150 N

#### Allowable vertical load (static)

Mx: 2.5 N·m

My: 2 N·m

Mz: 3 N·m

Gripping force(per jaw)

15~50 N

Opening/closing stroke(both sides)

35 mm

#### Mechanical specifications

Maximum recommended load*	1 kg
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Position repeatability (both sides)	$\pm 0.03$ mm
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Opening/closing time	0.7 s/0.7 s
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Driving method	Rack and pinion + T-slot guidance
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Weight	0.5 kg
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Noise emission	< 50 dB
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#### Electrical specifications

Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT
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Nominal voltage	24 V DC $\pm 10\%$
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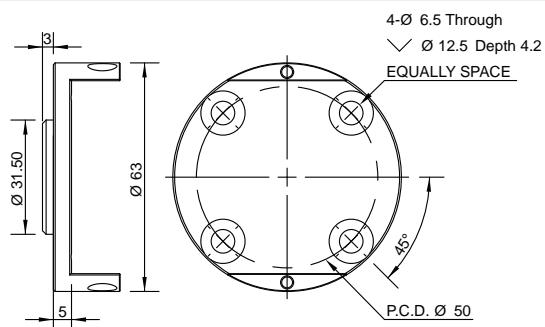
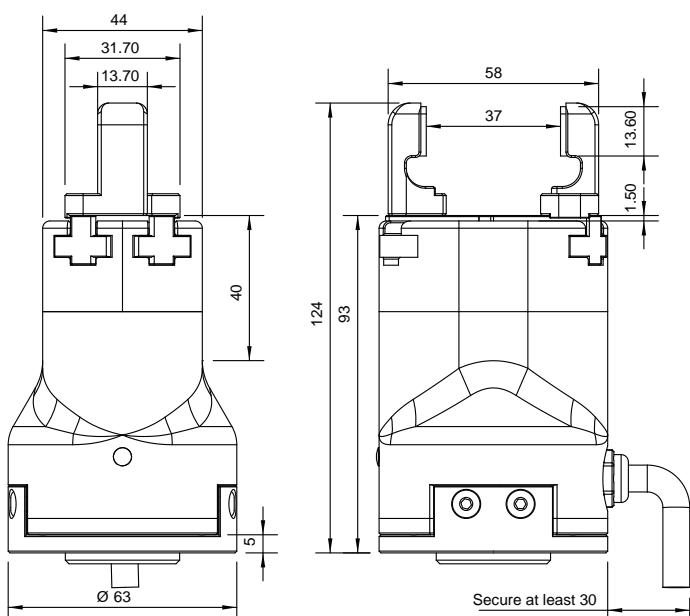
Nominal current	0.25 A
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Peak current	0.5 A
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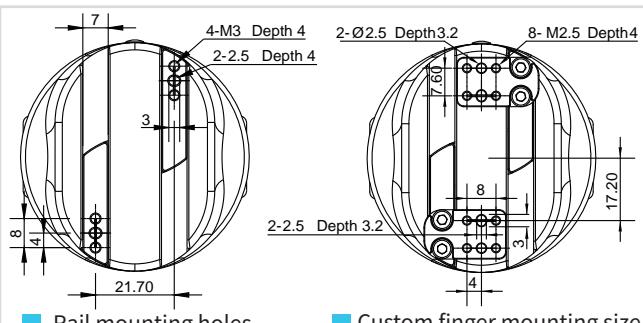
Ingress protection rating	IP 54
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Recommended operating environment	0~40°C, 85% RH under environment
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\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please consult us.



Conform to ISO 9409-1-50-4-M6 Standard flange  
\*If you need to customize the flange, it is recommended to design according to the robot installation hole position, or contact us

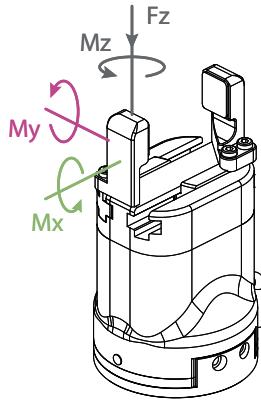


Rail mounting holes  
Custom finger mounting size  
\*If you need to customize the finger, it is recommended to design according to the size of the finger mounting plate, or contact us

# PGC-140

Collaborative parallel grippers

DH-ROBOTICS



#### Allowable vertical load (static)

Fz: 300 N

#### Allowable vertical load (static)

Mx: 7 N·m

My: 7 N·m

Mz: 7 N·m

Gripping force(per jaw)

40~140 N

Opening/closing stroke(both sides)

50 mm

#### Mechanical specifications

Maximum recommended load*	3 kg
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Position repeatability (both sides)	$\pm 0.03$ mm
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Opening/closing time	0.6 s/0.6 s
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Driving method	Rack and pinion + T-slot guidance
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Weight	1 kg
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Noise emission	< 50 dB
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#### Electrical specifications

Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT
-------------------------	--

Nominal voltage	24 V DC $\pm 10\%$
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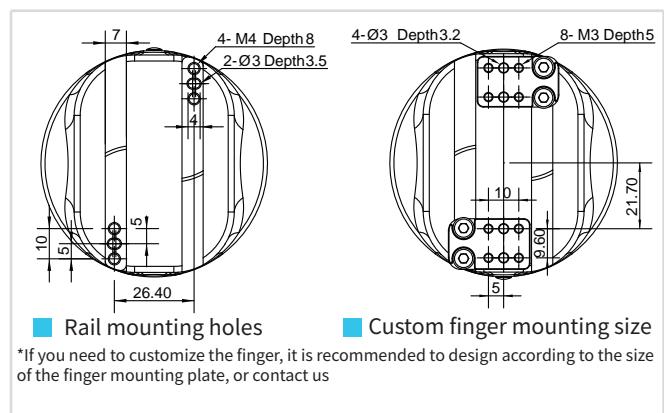
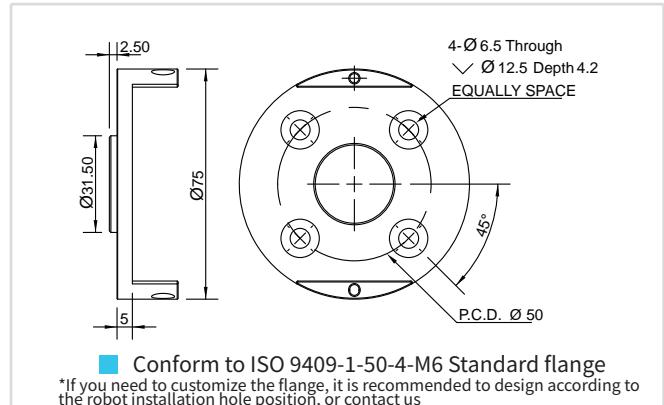
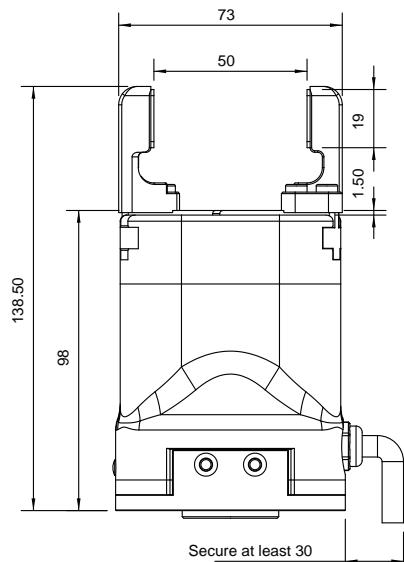
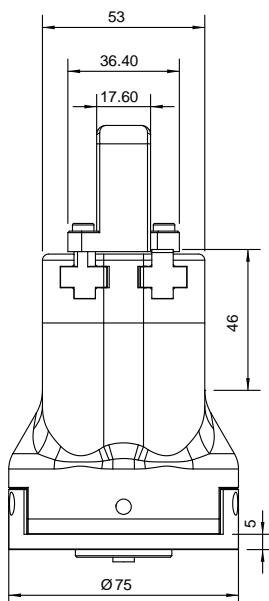
Nominal current	0.4 A
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Peak current	1 A
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Ingress protection rating	IP 67
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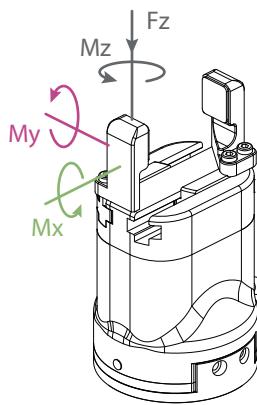
Recommended operating environment	0~40°C, 85% RH under environment
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\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please consult us.



# PGC-300

Collaborative parallel grippers



#### Allowable vertical load (static)

Fz: 600 N

#### Allowable vertical load (static)

Mx: 15 N·m

My: 15 N·m

Mz: 15 N·m

#### Gripping force(per jaw)

40~300 N

#### Opening/closing stroke(both sides)

60 mm

#### Mechanical specifications

Maximum recommended load*	6 kg
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Position repeatability (both sides)	$\pm 0.03$ mm
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Opening/closing time	0.8 s/0.8 s
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Driving method	Rack and pinion + T-slot guidance
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Weight	1.6 kg
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Noise emission	< 50 dB
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#### Electrical specifications

Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT
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Nominal voltage	24 V DC $\pm 10\%$
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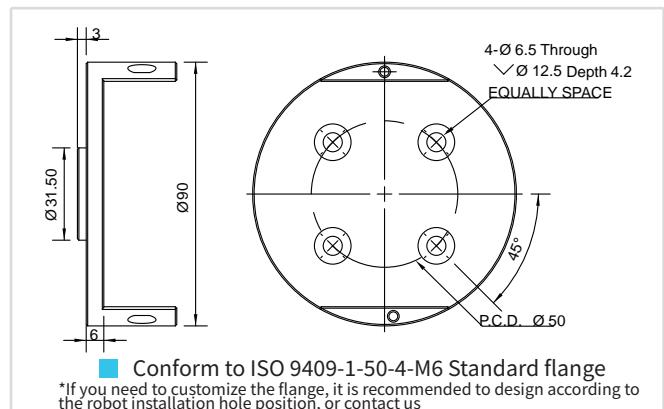
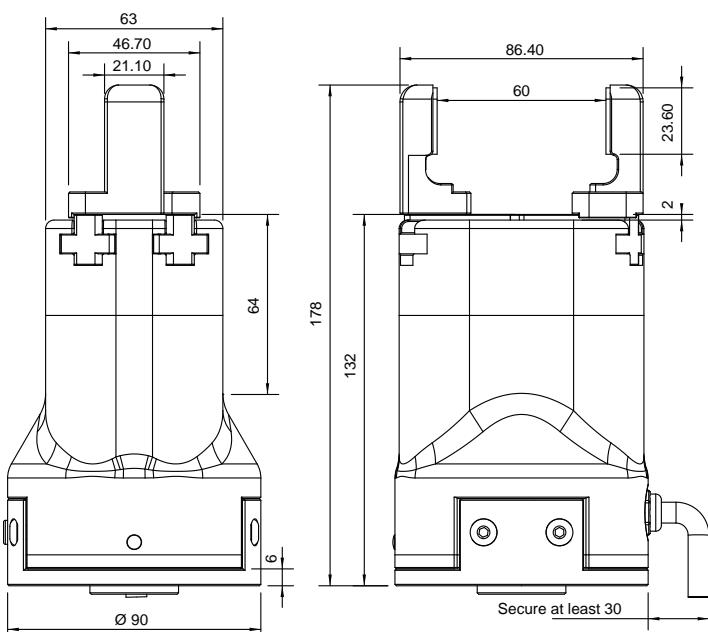
Nominal current	0.4 A
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Peak current	2 A
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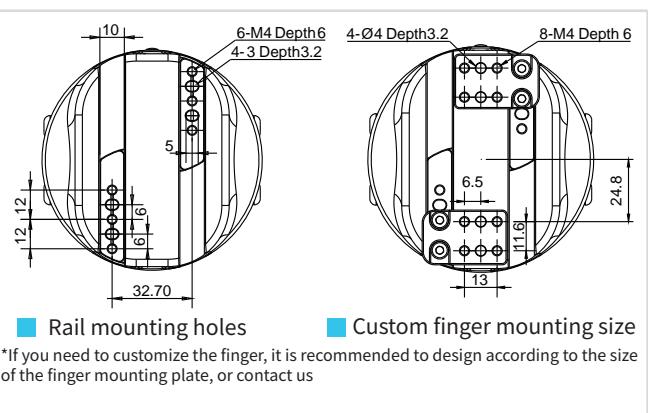
Ingress protection rating	IP 67
---------------------------	-------

Recommended operating environment	0~40°C, 85% RH under environment
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\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please consult us.



Conform to ISO 9409-1-50-4-M6 Standard flange  
\*If you need to customize the flange, it is recommended to design according to the robot installation hole position, or contact us



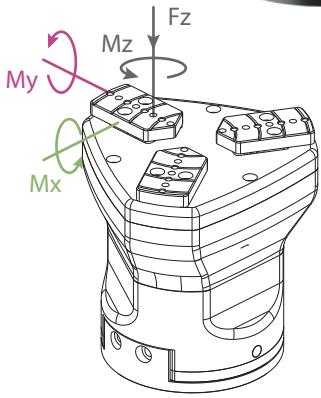
#### Rail mounting holes

\*If you need to customize the finger, it is recommended to design according to the size of the finger mounting plate, or contact us

#### Custom finger mounting size

# CGC-80

Collaborative parallel grippers



#### Allowable vertical load (static)

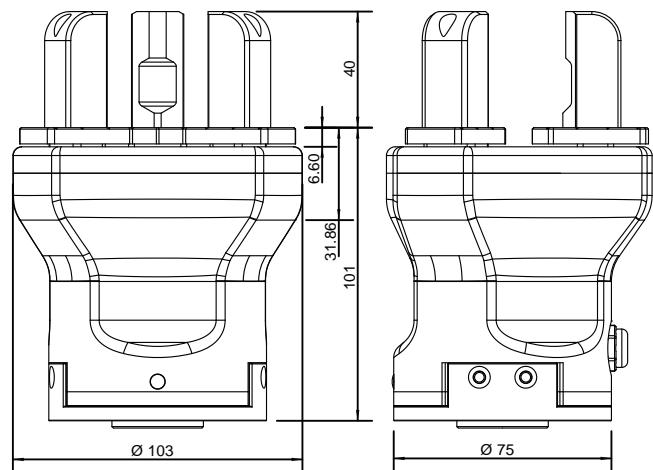
Fz: 200 N

#### Allowable vertical load (static)

Mx: 2.5 N·m

My: 2 N·m

Mz: 3 N·m



#### Gripping force(per jaw)

20~80 N

#### Opening/closing stroke(both sides)

10 mm

#### Mechanical specifications

Maximum recommended load*	1.5 kg
Position repeatability (both sides)	± 0.03 mm
Opening/closing time	0.2 s/0.2 s
Driving method	Rack and pinion + Linear guidance
Weight	1.5 kg
Noise emission	< 50 dB

#### Electrical specifications

Communication Standard: Modbus RTU (RS485) , Digital I/O interface Optional: TCP/IP, USB2.0, CAN2.0A,PROFINET,EtherCAT

Nominal voltage 24 V DC ± 10%

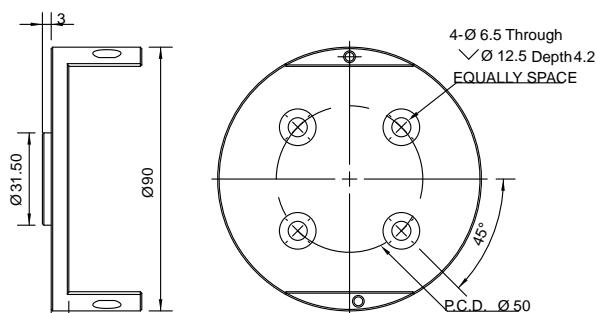
Nominal current 0.3 A

Peak current 1 A

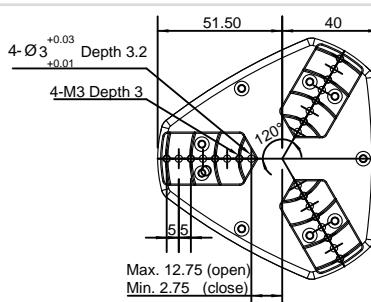
Ingress protection rating IP 67

Recommended operating environment 0~40°C, 85% RH under environment

\*It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please consult us.



Conform to ISO 9409-1-50-4-M6 Standard flange  
\*If you need to customize the flange, it is recommended to design according to the robot installation hole position, or contact us



Customize finger installation size

# AG Series

Linkage-type adaptive grippers

## Application field

The AG/DH series is able to be applied with collaborative and industrial robots for loading, pick&place, assembly, inspection in machining, electronics, medical... etc. industries.

## Features

### Plug and Play

The linkage-type adaptive grippers support the Plug & Play with most brands of collaborative robot.

### Parallel & adaptive gripping

The linkage-type adaptive grippers is able to grip round, spherical or heterosexual workpieces with the flexible fingers.

### Integrated design

The drive controller and communication are integrated inside the gripper, and can be used without external controller.

### Long stroke and adjustable gripping force

With 80mm stroke, the PGI-140 is compatible to grip objects with different size

### Self-locking

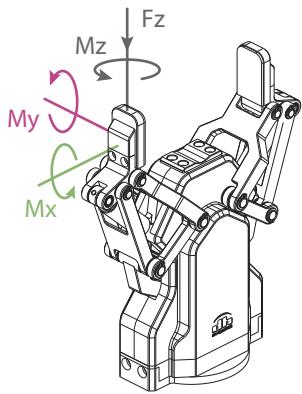
The PGC series is able to maintain the gripping of the workpiece when the power is off, and improve the safety of the gripping process

### Intelligent feedback

The AG/DH series is easy to monitor the gripping process according to the functions such as grasping status detection, real-time position detection and drop detection.

# AG-95

Linkage-type adaptive grippers



**Allowable vertical load (static)**

Fz: 300 N

**Allowable vertical load (static)**

Mx: 4.75 N·m

My: 4.75 N·m

Mz: 4.75 N·m

Gripping force(per jaw)

**45~160 N**

Opening/closing stroke(both sides)

**95 mm**

**Mechanical specifications**

Maximum recommended load**	3 kg
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Position repeatability (both sides)	± 0.03 mm
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Opening/closing time	0.7 s/0.7 s
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Driving method	Screw drive +Linkage system
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Weight	1 kg
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Noise emission	< 50 dB
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**Electrical specifications**

Communication interface	Standard: Modbus RTU (RS485) , Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A,PROFINET,EtherCAT
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Nominal voltage	24 V DC ± 10%
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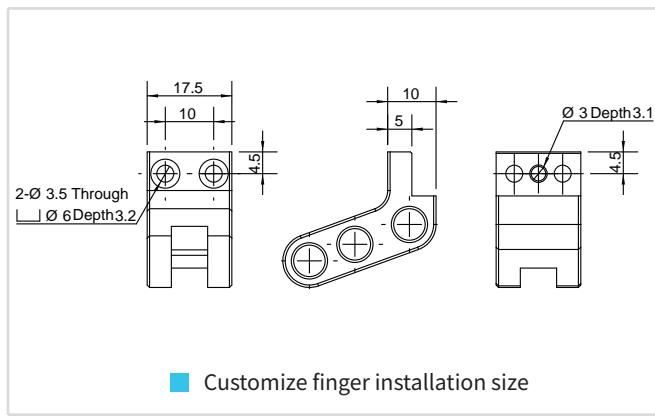
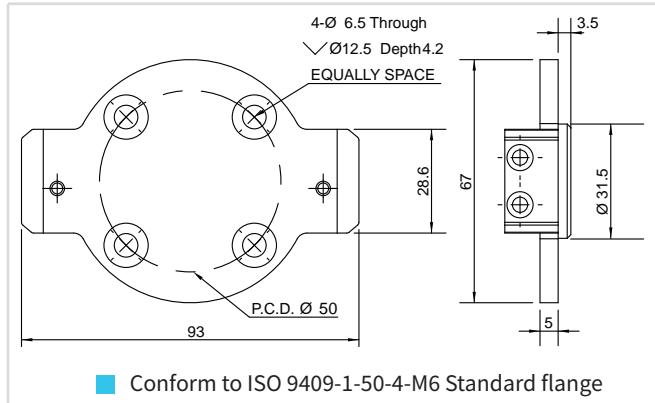
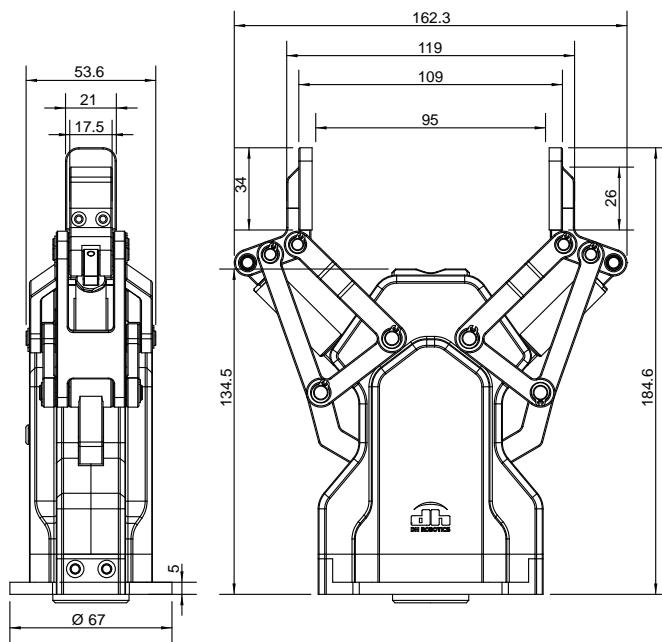
Nominal current	0.8 A
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Peak current	1.5 A
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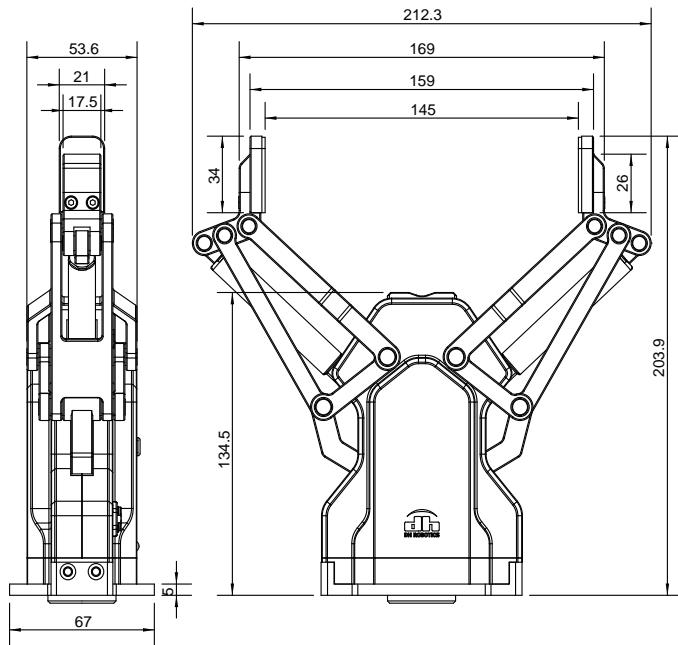
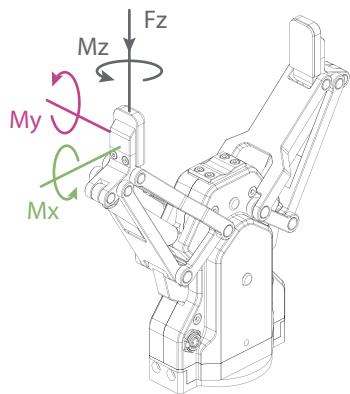
Ingress protection rating	IP 54
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Recommended operating environment	0~40°C, 85% RH under environment
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\*取决于抓取物体形状、接触面材料与摩擦力以及运动加速度等因素，抓取物体的重心偏移也会影响到负载，如有问题请咨询我们。



### Linkage-type adaptive grippers



Gripping force(per jaw)

**35~105 N**

Opening/closing stroke(both sides)

**145 mm**

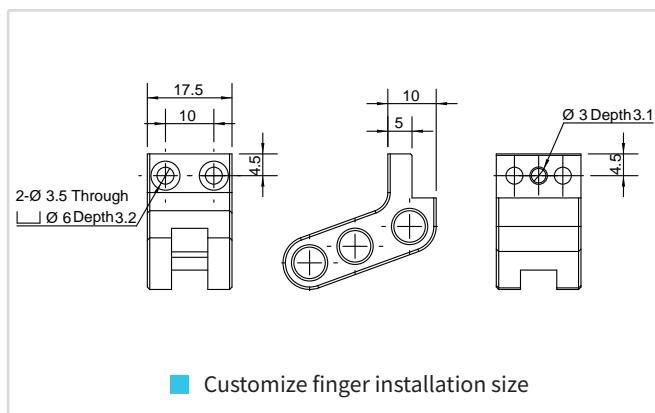
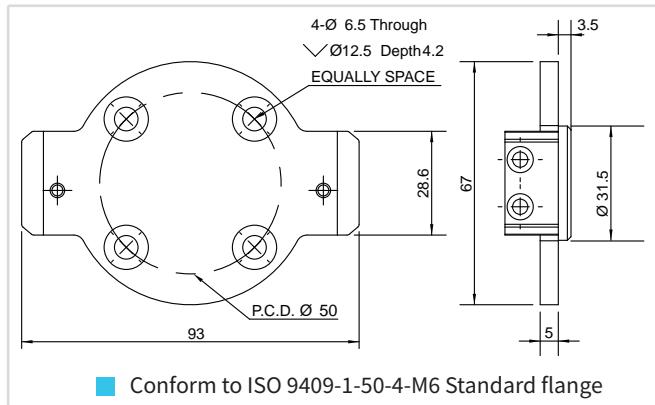
#### Mechanical specifications

Maximum recommended load**	2 kg
Position repeatability (both sides)	± 0.03 mm
Opening/closing time	0.7 s/0.7 s
Driving method	Screw drive +Linkage system
Weight	1.3 kg
Noise emission	< 50 dB

#### Electrical specifications

Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT
Nominal voltage	24 V DC ± 10%
Nominal current	0.8 A
Peak current	1.5 A
Ingress protection rating	IP 54
Recommended operating environment	0~40°C, 85% RH under environment

\*取决于抓取物体形状、接触面材料与摩擦力以及运动加速度等因素，抓取物体的重心偏移也会影响到负载，如有问题请咨询我们。



# DH-3

Linkage-type adaptive grippers



**Allowable vertical load (static)**

Fz: 300 N

**Allowable vertical load (static)**

Mx: 2.5 N·m

My: 2 N·m

Mz: 3 N·m

## DH-ROBOTICS

Gripping force(per jaw)

Opening/closing stroke(both sides)

**10~65 N 106 mm(parallel)  
122 mm(centering)**

**Mechanical specifications**

Maximum recommended load**	1.8 kg
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Position repeatability (both sides)	± 0.03 mm
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Opening/closing time	0.7 s/0.7 s
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Driving method	Screw nut + gear drive + linkage mechanism
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Weight	1.68 kg
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Noise emission	< 50 dB
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**Electrical specifications**

Communication interface	Standard: Modbus RTU (RS485) , Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET,EtherCAT
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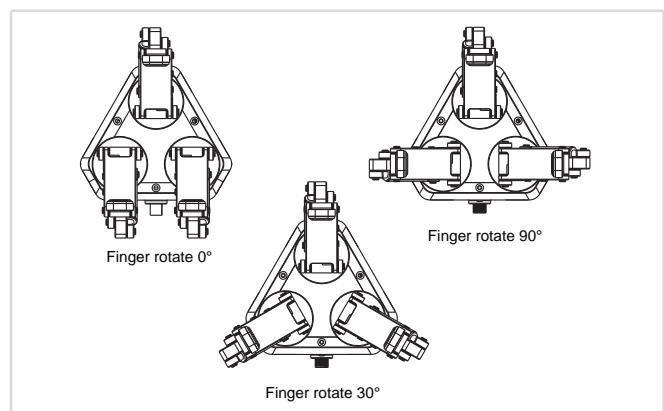
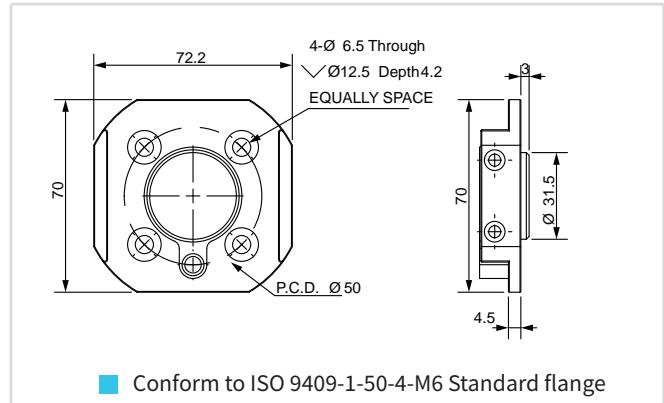
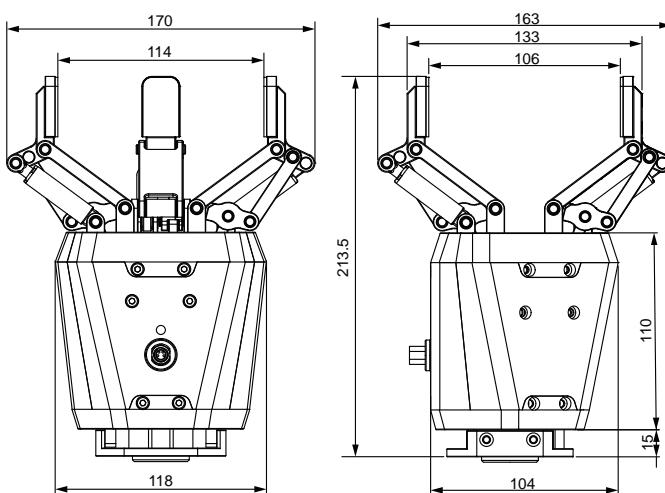
Nominal voltage	24 V DC ± 10%
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Nominal current	0.5 A
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Peak current	1 A
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Recommended operating environment	0~40°C, 85% RH under
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\*取决于抓取物体形状、接触面材料与摩擦力以及运动加速度等因素，抓取物体的重心偏移也会影响到负载，如有问题请咨询我们。



## Robot ecosystem partner (names not listed in order) :



FANUC



JAKA 节卡



ROKAE

SIASUN



YASKAWA

## DH-ROBOTICS client (names not listed in order) :

BOE 京东方



BGI



FOXCONN



Greatwall



Lenovo



mindray 迈瑞



All products strictly follow the standard of CE, FCC, RoHS.



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