

DH-ROBOTICS

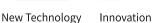
DH-Robotics is a high-tech company which focus on providing core components for industrial intelligent manufacturing scenarios. Based on the self-developed precision force control direct drive technology, we provide customers in various industries around the world with diversified electric grippers and precision motion products to reduce production costs, improve production efficiency, and achieve intelligent manufacturing.

Our Support System



R&D System







R&D



Engineering Management



Sales Network



Projects Assessment



Training



Quality Supervision



After-sales Service



Manufacturing



Quality System



Stock Management



Supply Management



Manufacturing

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Slim-type Electric Parallel Gripper

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RGD Series

Electric Direct Drive

Rotary Gripper



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PGS Series

Miniature Electro Magnetic Gripper



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Electric Collaborative Parallel Gripper



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AG Series Electric Adaptive Gripper



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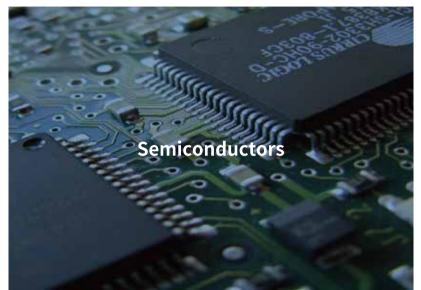
CG Series Electric Centric Gripper



CGE-10-10	86
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Applications in Cutting-edge Industries

More solutions and applications, please visit www.dh-robotics.com





















Application cases



PGE-8-14 Automatic Application

One collabotative robot with two electric grippers to complete the loading and unloading.



PGE-8-14 Electronics

Handling and positioning of very small workpieces.



RGI-35-14 Medical Automation

The automatic sub-cup processing system, through ABB's Scara robotic arm and DH-Robotics electric gripper, can automatically complete the operation of sample tube opening, scanning, information entry, pipetting, turning plate, and closing lid.



PGE-15-26 Medical Automation

Double-channel scan code to read the information, and unscrew the tube cover. Participate in automatic cup sharing process.

Application cases



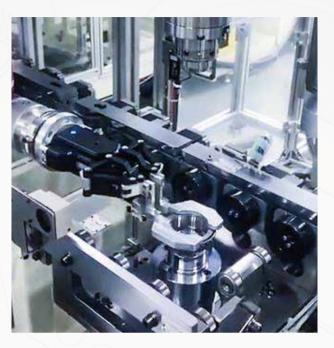
PGC-50-35 Automation

Two PGC-50-35 grippers were applied with UR robot to pick& place the work-pieces on production line.



PGC-140-50 Robot New Retail

The PGC-140-50 was applied with DOOSAN robot to complete a show in CHANEL stores located in 20 countries to celebrate the 100th anniversary of CHANEL No. 5 perfume.



AG-160-95 Automotive

AG-160-95 electric gripper was applied with a collaborative robot to complete the clamping and assembly of needle roller bearings.



AG-160-95 Machining

The AG-160-95 electric gripper was applied with AGV and COBOT to complete machine tool loading and unloading and machine tool equipment management.

Short wire correspondence tableOur gripper can directly connect to the end interface of each brand of collaborative robot through a short wire. (The serial number represent the short wire type.)

Support electric gripper models	UR CB Series	UR E Series	Elite CS Series	SIASUN	Hanwha A Series	ROKAE CR Series	DOBOT CR Series	DOBOT Nova Series	Aubo	Elephant	Jaka	ECHMAN	ROKAE SR Series	ROKAE ER Series	DOBOT MG400	UR E Series	Doosan A Series	Doosan M Series	Elite EC Series	Han's Robot	Neuromeka	FAIRINO	Hanwha HCR	UF xArm	ROKAE CR
Small current electric gripper (Peak current≤0.6A)	01																								
Small current electric gripper (Peak current<1.5A)		01	01	01	01				02	03	04	05	06	06	07										
High current electric claw (Peak current>1.5A)																08									
In common (Support large and small current electric gripper)						01	01	01									09	10	11	12	13	14	15	16	17

DH-Robotics' Gripper and Cylinder communication converterThe communication within DH-Robotics' Servo Gripper and Servo Electric Cylinder defaults to Modbus RTU (RS485) and a small number of I/O. If customers choose other communication converter, they will need to use the communication converter. The following communication converter are available for selection:

communication converter Name	Ordering Model			
EtherCAT 1-1	M2E-B1-1			
EtherCAT 1-4	M2E-B1-4			
EtherCAT转 I/O 1-More	Please contact our technical staff confirm the specific parameters			

	communication converter Name	Ordering Model
	TCP/IP 1-1	M2T-B1-1-YBT
Tr.	PROFINET 1-2	M2P2-B1-2-HJ
	PROFINET 1-11	M2P-B1-11-9

Quick Selection Reference

According to the following five conditions, you can quickly and initially select the matching gripper model; or you can also consult sales for detailed understanding and selection.

Condition 1 Application	Condition 2 Workpiece weight	Condition 3 Gripping stroke	Condition 4 Feature selection	Condition 5 Environmental requirements
				IP 67
☐ Collaborative robot	☐ Workpiece shape	☐ Workpiece size	Rotary	☐ IP class
O Load	☐ Workpiece material	Parallel / centric	Self-locking	Temperature conditions
O Peak current	Friction	Outer clip, inner support	☐ Envelope grab	
☐ Industrial robot	□	Fingertip design	□	
☐ Automation module		□		

Precautions on Model Selection

Note 1: Confirm the required gripping force and workpiece quality

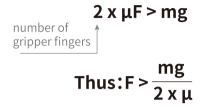
When the workpiece is clamped by the friction force generated by the clamping force, the required clamping force is calculated as follows:

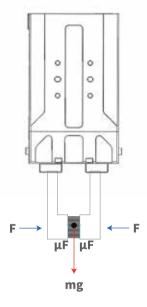
- F: Clamping force (N)
- µ: Friction coefficient
- m: Workpiece quality (kg)
- g: Acceleration due to gravity (9.8m/s²)
- mg: Workpiece weight (N)

Friction coefficient μ	Fingertip and workpiece material (benchmark)
0.1	Metal(Surface roughness under Rz3.2)
0.2	Metal
Over 0.2	Rubber, resin

(Reference) The friction coefficient(μ) varies depending on the usage environment, surface pressure, workpiece shape, etc.

Clamped workpiece, The condition that the workpiece will not fall is





Note 2: Confirm gripper stroke and fingertip

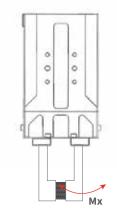
- ·The stroke of the gripper needs to be greater than the difference between the maximum and minimum dimensions of the workpiece.
- · Choose the right fingertip: The fingertip is too long, too big, and the weight is too heavy, the inertia force or bending moment when opening and closing will affect the gripper, which may cause the performance of the gripper to decrease or shorten the service life.

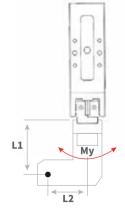
Note 3: Check the external force exerted on the gripper

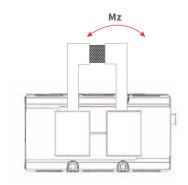
- •The vertical load borne by the clamping jaw must be within the allowable load.
- ·The moment the clamping jaws bear must be within the maximum allowable load moment.

·Allowable load F(N) =
$$\frac{M(\text{Load allowable moment}) (N \cdot m)}{L(mm) \times 10^{-3}}$$

Note: Mx and My are calculated by L1, and Mz is calculated by L2. Confirm whether the calculated gripper can withstand the external force (based on the smaller F value calculated from Mx, My, Mz).







Host Computer Debugging Software (PC Side)

User-friendly

The host computer debugging software was self-developed by DH-Robotics, it can help customers easily and quickly complete various function parameters adjustments, testing and initialization setting on the PC side. At the meaning time, various status information is provided in real time, which can save a lot of production line setup time and reduce the difficulty of operation and maintenance for on-site engineers.



Parameters Adjustable

- · gripping force
- ·fingertip position
- · gripping speed
- ·rotation angle*
- ·rotation speed*
- ·rotation force(torque force)*

Real-time feedback

- · four gripping states
- 1 movement status
- ②in place
- 3 clamp state
- 4 dropped state
- ·location versus time graph
- · clamping current as a fuction of time



Example: DH-Robotics PC software

* Please consult sales person for specific applicable models

Products Brief Parameters

PGE Series Slim-type Electric Parallel Gripper

Precision force control

Small Size

Fast Response









PGE-5-26



All-in-one



Intelligent











Design

Parameters

Feedback

Replaceable Fingertip

Self-locking Mechanism

PGE-15-26

PGE-50-26

PGE-50-40

	Gripping Force (N)	Recommended workpiece weight(kg)	Stroke (mm)	Opening/closing time(s)	IP Class
PGE-2-12	0.8~2	0.05	12	0.15	IP40
PGE-5-26	0.8~5	0.1	26	0.3	IP40
PGE-8-14	2~8	0.1	14	0.3	IP40
PGE-15-10	6~15	0.25	10	0.3	IP40
PGE-15-26	6~15	0.25	26	0.5	IP40
PGE-50-26	15~50	1	26	0.45/0.45	IP40
PGE-50-40	15~50	1	40	0.6/0.6	IP40
PGF-100-26	30~100	2	26	0.5	IP40

PGSE Series Cost-effective Slim-type Electric Parallel Gripper

Small Size

Fast Response









PGSE-15-7

PGSE-15-7

Gripping Force (N)	Recommended workpiece weight(kg)	Stroke (mm)	Opening/closing time(s)	IP Class
6~15	0.25	7	0.15	IP40

RGI Series

Electric Rotary Gripper



Dual Servo System

Compact Type



Design













RGIC-35-12

RGIC-100-35

RGI-100

RG|-100 **RGIC-35-12 RGIC-100-35**

	Gripping Force (N)	Recommended workpiece weight(kg)	Stroke (mm)	Opening/closing time(s)	IP Class
	30~100	1.5	14/22/30	0.6/0.65/0.7	IP40
	13~35	0.5	12	0.6	IP40
5	40~100	1	35	0.9	IP40

RGD Series

Electric Direct Drive Rotary Gripper

Zero Backlash

Infinite Rotation

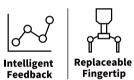
Precise Positioning



All-in-one Design



Parameters



Feedback



Self-locking

Mechanism





RGD-5

RGD-35

RGD-5 **RGD-35**

Gripping Force (N)	Recommended workpiece weight(kg)	Stroke (mm)	Opening/closing time(s)	IP Class
2~5.5	0.05	14/30	0.5	IP40
10~35	0.35	14/30	0.5/0.7	IP40

PGI Series

Electric Parallel Gripper

High Load

High Protection Grade

Long Stroke







Adjustable Parameters



Intelligent Feedback



Replaceable Fingertip



Self-locking Mechanism



PGI-140-80

PGI-80-80
PGI-140-80

Gripping Force (N)	Recommended workpiece weight(kg)	Stroke (mm)	Opening/closing time(s)	IP Class
16~80	1.6	80	1.1	IP54
40~140	3	80	0.7s (80mm) 0.4s (5mm)	IP54

PGHL Series

Heavy-Load Long-Stroke Electric Parallel Gripper



High Protection Grade

Long Stroke



Design





Feedback







PGHL-400-80

	Gripping Force (N)	Recommended workpiece weight(kg)	Stroke (mm)	Opening/closing time(s)	IP Class
PGHL-400-80	140~400	8	80	1.0/1.1	IP40

PGS Series

Miniature Electro-magnetic Gripper

Small Size

High Frequency Easy Operation



Fingertip





PGS-5-5

PGS-5-5

Gripping Force (N)	Recommended workpiece weight(kg)	Stroke (mm)	Opening/closing time(s)	IP Class
3~5.5	0.05	5	0.03	IP40

PGC Series

Electric Collaborative Parallel Gripper

Plug and Play

High Protection Grade

High Load



All-in-one Design



Adjustable Parameters



Intelligent Feedback



Replaceable Fingertip



Self-locking Mechanism



PGC-50-35



PGC-140-50



PGC-300-60

PGC-50-35
PGC-140-50
PGC-300-60

Gripping Force (N)	Recommended workpiece weight(kg)	Stroke (mm)	Opening/closing time(s)	IP Class
15~50	1	37	0.7	IP54
40~140	3	50	0.75	IP67
80~300	6	60	0.8	IP67

AG Series

Electric Collaborative Parallel Gripper

Plug and Play

High Protection Grade

High Load

















Design

Adjustable Parameters

Intelligent Feedback

Fingertip

Mechanism

AG-160-95

AG-105-145

DH-3

AG-160-95 AG-105-145 DH-3

	Gripping Force (N)	Recommended workpiece weight(kg)	Stroke (mm)	Opening/closing time(s)	IP Class
	45~160	3	95	0.9	IP54
5	35~105	2	145	0.9	IP54
	10~65	1.8	106(parallel)/122(centric)	0.7	IP40

CG Series

Electric Centric Gripper

Centric Gripping



All-in-one Design



Adjustable **Parameters**



Intelligent Feedback



Replaceable Fingertip



Self-locking Mechanism



CGE-10-10



CGI-100-170



CGC-80-10

CGE-10-10
CGI-100-170
CGC-80-10

Gripping Force (N)	Recommended workpiece weight(kg)	Stroke (mm)	Opening/closing time(s)	IP Class
3~10	0.1	10 (Single jaw)	0.3	
30~100	1.5	φ40~φ170 (Inward work piece diameter)	1.35	IP40
20~80	1.5	10 (Single jaw)	0.5	IP67

PGE Series Slim-type Electric Parallel Gripper

PGE-2-12

PGE-5-26

PGE-8-14

PGE-15-10

PGE-15-26

PGE-50-26

PGE-50-40

PGE-100-26

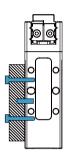


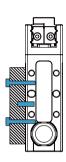
The PGE series is an industrial slim-type electric parallel gripper. With its precise force control, compact size and highly working speed, it has become a "Hot sell product" in the field of industrial electric gripper.

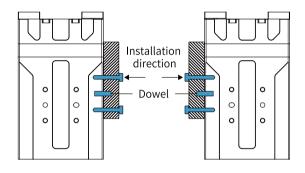


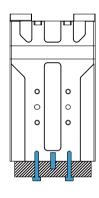
Installation

- 1. Front installation: use front screw holes for installation
- 2. Rear installation: use rear screw holes for installation
- 3. Right installation: use right screw holes for installation
- 4. Left installation: use left screw holes for installation
- 5. Bottom installation: use bottom screw holes for installation









Product Features

Small size Flexible Installation

The thinnest size is 18 mm with compact structure, supports at least five flexible installation methods to meet the needs of clamping tasks & saves design space.

High Working Speed

The fastest opening and closing time can reach $0.15 \, \text{s} / 0.15 \, \text{s}$, which can meet the high-speed and stable clamping requirements of the production line.

Precise Force Control

With special driver design and driving algorithm compensation, the gripping force is continuously adjustable, and the force repeat ability could reach 0.1 N.

Application

For scenarios requiring force control or flexibility, such as assembly, sorting and loading and unloading in semiconductor, 3C electronics, medical automation and other industries.





PGE-2-12

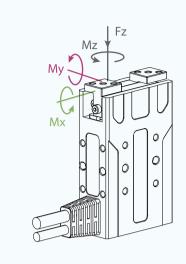


Selection Method Gripping Force Cable Communication Cable FLange selection **Fingertip** Serie Stroke **Brake** Other Selection Direction **Protocol** Selection 12 **PGE** 2 0 S **M**1 L5 **JO** 0 LX Without Extend Cable M1 Modbus (RS485)+I/O (NN) L1 1m Cable ★① Note: J0 Without Fingertip I/O(NN): NPN/NPN I/O(PP): PNP/PNP I/O(NP): NPN/PNP I/O(PN): PNP/NPN M2 Modbus (RS485)+I/O (PP) L3 3m Cable Without USB to O RS-485 Converter M3 Modbus (RS485)+I/O (NP) L5 5m Cable **S** Side FO Without Flange **J1** Standard Fingertip 4 USB to RS-485 M4 Modbus (RS485)+I/O (PN) **L10** 10m Cable O Without Brake **B** bottom Converter

^{*}② Cables longer than 10 meters are at risk.
*⑥ It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Product Parame	eter	
Gripping force (p	erjaw)	0.8~2 N
Stroke		12 mm
Recommended v	vorkpiece weight*®	0.05 kg
Opening/closing	time	0.15 s/0.15 s
Repeat accuracy	(position)	\pm 0.02 mm
Noise emission		< 50 dB
Weight		0.15 kg
Driving method	Precise planetary gears	+ Rack and pinion
Size		55 mm x 39 mm x 18 mm nm x 52.4 mm x 27.2 mm

Worki	Working Environment				
Communication Standard: Modbus RTU (RS485), Digita interface Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, Ether					
Rated	voltage			24 V DC	± 10%
Curren	nt	().2 A(Rate	d) / 0.5 A	(Peak)*®
Rated	Power				4.8 W
IP clas	S				IP 40
Recommended environment 0~40°C, ui				C, under 8	5% RH
Certification CE, FCC, RoHS				, RoHS	
Suilt-in Controller	Gripping Force Adjustable	Position Adjustable	Speed Adjustable	Orop Detection	Self-locking Mechanism



Static Vertical Allowable Load

Fz		35	N

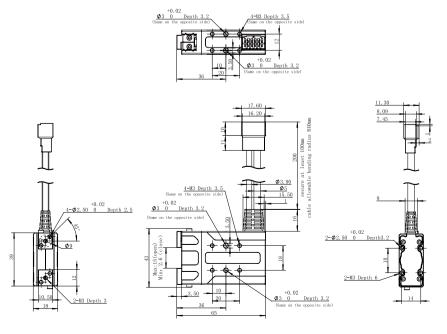
Allowable Loading Moment Мх 0.2 N·m

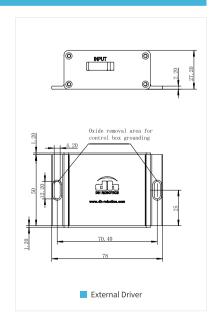
My	0.17 N·m
Mz	0.2 N·m

*③ 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 contact us.
*④ Requires external communication convertor or customization,

pleass contact sales or technical support.
*③ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

Technical Drawings





PGE-5-26

Cable

I/O(PN): PNP/NPN



Selection Method Gripping Stroke Cable Communication Cable **Fingertip** Robot **FLange** Brake Other Serie Force Direction Cable **Protocol** Selection Selection selection **PGE** 5 26 S **M1** L5 **JO** F₀ 00 0 Without LX Extend Cable L1 1m Cable M1 Modbus (RS485)+I/O (NN) L3 3m Cable O Without USB to RS-485 Converter J0 Without Fingertip M2 Modbus (RS485)+I/O (PP) L5 5m Cable M3 Modbus (RS485)+I/O (NP) L10 10m Cable **S** Side FO Without Flange 4 USB to RS-485 Converter J1 Standard Fingertip O Without Brake M4 Modbus (RS485)+I/O (PN) **B** bottom **L15** 15m Cable Table Below ★① Note: 06 ROKAE SR ROKAE ER **00** Withou I/O(NN): NPN/NPN I/O(PP): PNP/PNP I/O(NP): NPN/PNP 01 SIASUN DOBOT CR **02** AUBO O4 JAKA 09 Doosan A | 11 Elite EC | 13 Neuromeka 15 Hanwha HCR Elite CS Hanwha A DOBOT Nova 03 ELEPHANT 05 TECHMAN 07 DOBOT MG400 UR CB **10** Doosan M **12** Han's **14** FAIRINO **16** UF x Arm **17** ROKAE CR URE

^{*}⑤ It is recommended that no more than 4units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Product Paramet	ter	
Gripping force (pe	rjaw)	0.8~5 N
Stroke		26 mm
Recommended w	orkpiece weight*®	0.1 kg
Opening/closing t	ime	0.3 s/0.3 s
Repeat accuracy (position)	\pm 0.02 mm
Noise emission		< 50 dB
Weight		0.4 kg
Driving method	Precise planetary ge	ears + Rack and pinion
Size		mm x 26 mm(without brake) x 55 mm x 30 mm(with brake)

Working Environn	nent			
Communication interface	Stand Optional: TCP/IP, U	ard: Modbus I SB2.0, CAN2.0	RTU (RS485) A, PROFINE	, Digital I/O T, EtherCAT *®
Rated voltage			24 V DC	\pm 10%
Current	0.4 A	(Rated)	/ 0.7 A	(Peak)*®
Rated Power				9.6 W
IP class				IP 40
Recommended env	vironment	0~40°C,	under 8	35% RH
Certification			CE, FCC	C, RoHS

\odot
Build-in
Cantrallar







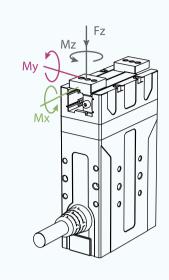












Static Vertical Allowable Load

50 N

Allowable Loading Moment

Mx	0.3 N·m
Му	0.25 N·m
Mz	0.3 N·m

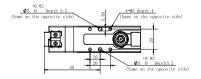
- $^\star @$ It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the
- motion, If you have any questions, please contact us.

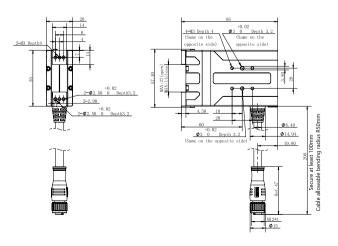
 *③ Requires external communication convertor or customization, pleass contact sales or technical support.

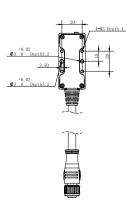
 *④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

Technical Drawings

This drawing is for the gripper without the brake. If you need the drawing for the gripper with the brake, please download it from our official website or contact our sales.

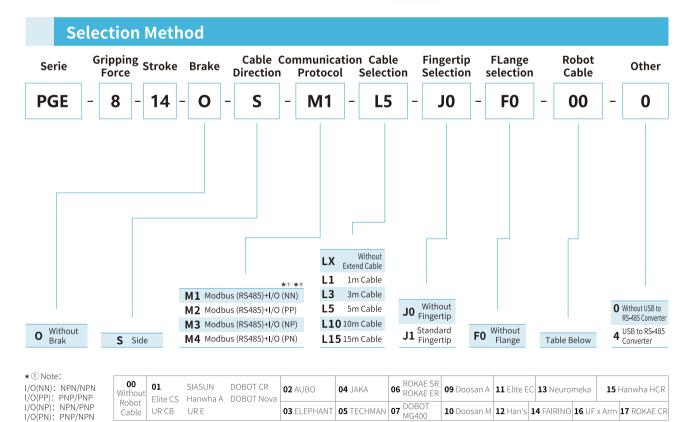








PGE-8-14



^{*}⑤ It is recommended that no more than 4units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Product Parame	eter			
Gripping force (p	er jaw)		2~8 N	
Stroke			14 mm	
Recommended v	vorkpiece weigl	nt *®	0.1 kg	
Opening/closing	time		0.3 s/0.3 s	
Repeat accuracy	(position)		\pm 0.02 mm	
Noise emission			< 50 dB	
Weight			0.4 kg	
Driving method	Precise planeta	ry gears + Ra	ck and pinion	
Size	Ç	97 mm x 62 ı	mm x 31 mm	

Working Environm	ent	
Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT	* ®
Rated voltage	24 V DC \pm 10%	
Current	0.4 A (Rated) / 0.7 A (Peak)	* •
Rated Power	9.6 W	
IP class	IP 40	
Recommended env	ironment 0~40°C, under 85% RH	
Certification	CE, FCC, RoHS	

\otimes
Build-in Controller



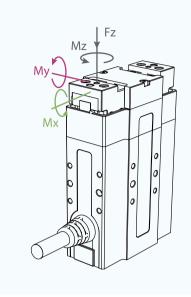












Static Vertical Allowable Load

Fz	90	N

Allowable Loading Moment

Mx	0.55 N⋅m
Му	0.45 N·m
Mz	0.55 N⋅m

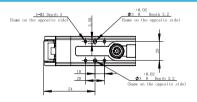
 $\ensuremath{^*}\xspace$ It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the

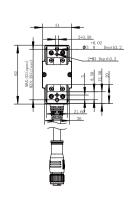
motion, If you have any questions, please contact us.

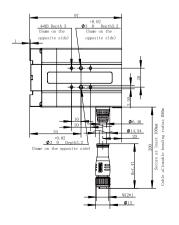
*③ Requires external communication convertor or customization, pleass contact sales or technical support.

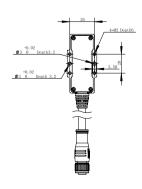
*④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

Technical Drawings











Selection Method Gripping Cable Communication Cable **Fingertip FLange** Serie Stroke Other **Brake** Force Direction **Protocol** Selection Selection selection 10 F₀ **PGE** 15 0 S **M**1 L5 **JO** 0 LX Without Extend Cable M1 Modbus (RS485)+I/O (NN) 1m Cable ★① Note: I/O(NN): NPN/NPN I/O(PP): PNP/PNP I/O(NP): NPN/PNP I/O(PN): PNP/NPN Jo Without Fingertip M2 Modbus (RS485)+I/O (PP) L3 3m Cable O Without USB to RS-485 Converter M3 Modbus (RS485)+I/O (NP) 5m Cable **S** Side FO Without Flange J1 Standard Fingertip 4 USB to RS-485 Converter O Without Brake M4 Modbus (RS485)+I/O (PN) **L10** 10m Cable **B** bottom

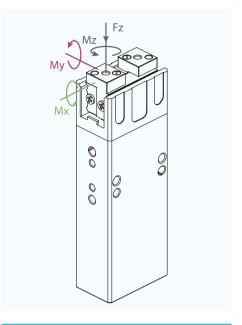
PGE-15-10

^{*2} Cables longer than 10 meters are at risk.

^{* (}i) It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Product Parameter	
Gripping force (per jaw)	6~15 N
Stroke	10 mm
Recommended workpie	ce weight*® 0.25 kg
Opening/closing time	0.3 s/0.3 s
Repeat accuracy (position	on) ± 0.02 mm
Noise emission	< 50 dB
Weight	0.155 kg
Driving method Precise	planetary gears + Rack and pinion
Size	Gripper Size:89 mm x 30 mm x 18 mm Controller Size:78 mm x 52.4 mm x 27.2 mm

Worki	Working Environment				
Commun interface	Communication interface Optional			ous RTU (RS485), N2.0A, PROFINET	
Rated	voltage			24 V DC	± 10%
Curren	it		0.1 A (Rate	ed) / 0.22 A	(Peak)*®
Rated Power 2.4 W			2.4 W		
IP clas	IP class IP 40			IP 40	
Recommended environment 0~40°C, under 85% RH				5% RH	
Certification CE, FCC, RoHS			, RoHS		
Suild-in Controller	Gripping Force Adjustable	Position Adjustable	Speed Adjustable	Orop Detection	Self-locking Mechanism



Static Vertical Allowable Load

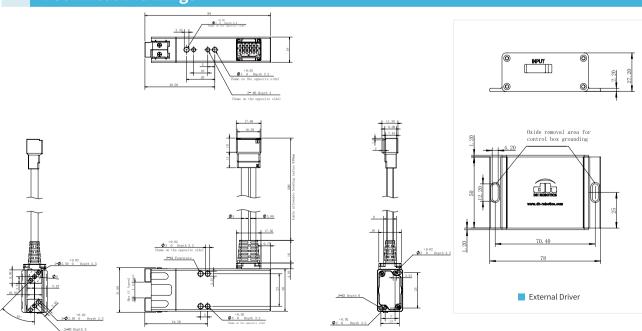
Г-	35	N
Fz	33	1 /

Allowable Loading Moment

Mx	0.45 N·m
Му	0.4 N·m
Mz	0.45 N·m

- *③ 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 contact us.
 *④ Requires external communication convertor or customization, pleass contact sales or technical support.
 *⑤ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

Technical Drawings



15 Hanwha HCR



★① Note:

I/O(NN): NPN/NPN I/O(PP): PNP/PNP I/O(NP): NPN/PNP

I/O(PN): PNP/NPN

00 Withou

Robot

Cable

01

UR CB

SIASUN

UR E

Elite CS Hanwha A DOBOT Nova

DOBOT CR



Selection Method Gripping Stroke Cable Communication Cable **Fingertip** Robot **FLange** Brake Other Serie Force Direction Cable **Protocol** Selection Selection selection **PGE** 15 26 S **M1** L5 **JO** F₀ 00 0 LX Without Extend Cable L1 1m Cable L3 3m Cable M1 Modbus (RS485)+I/O (NN) O Without USB to RS-485 Converter L5 JO Without Fingertip M2 Modbus (RS485)+I/O (PP) 5m Cable Without Brake M3 Modbus (RS485)+I/O (NP) **L10** 10m Cable **S** Side FO Without Flange 4 USB to RS-485 Converter J1 Standard Fingertip W With Brake M4 Modbus (RS485)+I/O (PN) **L15** 15m Cable **B** bottom Table Below

*⑤ It is recommended that no more than 4units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

03 ELEPHANT

02 AUBO

O4 JAKA

05 TECHMAN 07 DOBOT MG400

06 ROKAE SR ROKAE ER

09 Doosan A | 11 Elite EC | 13 Neuromeka

10 Doosan M | **12** Han's | **14** FAIRINO | **16** UF x Arm | **17** ROKAE CR

Product Parame	eter	
Gripping force (p	erjaw)	6~15 N
Stroke		26 mm
Recommended v	vorkpiece weight *®	0.25 kg
Opening/closing	time	0.5 s/0.5 s
Repeat accuracy	(position)	\pm 0.02 mm
Noise emission		< 50 dB
Weight		0.33 kg
Driving method	Precise planetary gears	+ Rack and pinion
Size		26 mm(without brake) m x 26 mm(with brake)

Working Environi	ment
Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT *®
Rated voltage	24 V DC \pm 10%
Current	0.25 A (Rated)/ 0.5 A (Peak) $^{\star\circ}$
Rated Power	6 W
IP class	IP 40
Recommended en	vironment 0~40°C, under 85% RH
Certification	CE, FCC, RoHS

\odot
Build-in
C II .







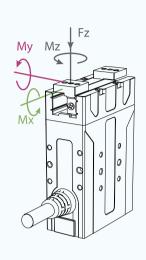












Static Vertical Allowable Load

F	7		70	N
	_		10	1.4

Allowable Loading Moment

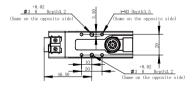
Mx	0.9 N·m
Му	0.75 N·m
Mz	0.9 N·m

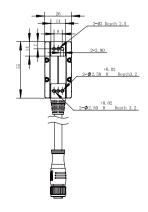
- *② It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please contact us.
 *③ Requires external communication convertor or customization,
- pleass contact sales or technical support.

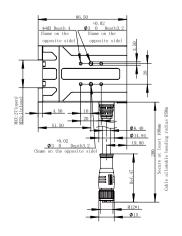
 *① When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

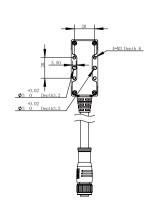
Technical Drawings

This drawing is for the gripper without the brake. If you need the drawing for the gripper with the brake, please download it from our official website or contact our sales.









15 Hanwha HCR

PGE-50-26



Selection Method Gripping Stroke Brake Cable Communication Cable **Fingertip** Robot **FLange** Serie Other Direction **Protocol** Cable Selection Selection selection L5 J0 F0 **PGE** 50 26 S **M1** 00 0 LX Extend Cable 1m Cable L1 M1 Modbus (RS485)+I/O (NN) L3 3m Cable O Without USB to RS-485 Converter M2 Modbus (RS485)+I/O (PP) L5 5m Cable J0 Without Fingertip O Brake Without M3 Modbus (RS485)+I/O (NP) **L10** 10m Cable **S** Side J1 Standard Fingertip FO Without Flange **4** USB to RS-485 Converter W With Brake **B** bottom M4 Modbus (RS485)+I/O (PN) **L15** 15m Cable Table Below

*⑤ It is recommended that no more than 4units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur.
If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment

03 ELEPHANT

02 AUBO

SIASUN DOBOT CR

Hanwha A DOBOT Nova

★① Note:

I/O(NN): NPN/NPN

I/O(PP): PNP/PNP I/O(NP): NPN/PNP

I/O(PN): PNP/NPN

00 01

Without Robot

Elite CS

URE

UR CB

O4 JAKA

05 TECHMAN **07** DOBO MG400

06 ROKAE SR ROKAE ER

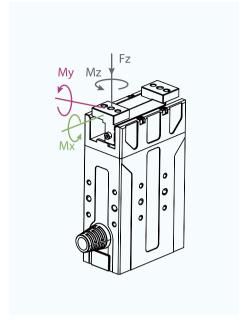
09 Doosan A 11 Elite EC 13 Neuromeka

10 Doosan M **12** Han's **14** FAIRINO **16** UF x Arm **17** ROKAE CR

Product Parame	eter	
Stroke		26 mm
Gripping force (p	er jaw)	15~50 N
Recommended v	vorkpiece weight *	◎ 1 kg
Opening/closing	time	0.45 s/0.45 s
Repeat accuracy	(position)	\pm 0.02 mm
Noise emission		< 50 dB
Weight		0.4 kg
Driving method	Precise planetary g	gears + Rack and pinion
Size		nm x 55 mm x 29 mm(without brake) 18 mm x 55 mm x 29 mm(with brake)

Working Environ	ment
Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT *®
Rated voltage	24 V DC \pm 10%
Current	0.25 A (Rated)/ 0.5 A (Peak) **
Rated Power	6 W
IP class	IP 40
Recommended en	vironment 0~40°C, under 85% RH
Certification	CE, FCC, RoHS

\otimes	\odot	\otimes	\otimes	\otimes	optional
Build-in Controller	Gripping Force Adjustable	Position Adjustable	Speed Adjustable	Drop Detection	Self-locking Mechanism



Static Vertical Allowable Load

Fz	150 N
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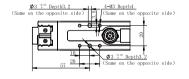
Allowable Loading Moment

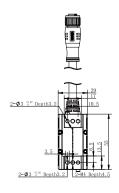
Mx	2.5 N·m
Му	2 N·m
Mz	3 N⋅m

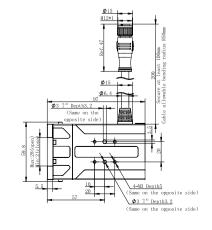
- *② It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please contact us.
 *③ Requires external communication convertor or customization, pleass contact sales or technical support.
 *④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will
- cause the product can not work normally.

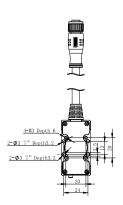
Technical Drawings

This drawing is for the gripper without the brake. If you need the drawing for the gripper with the brake, please download it from our official website or contact our sales.





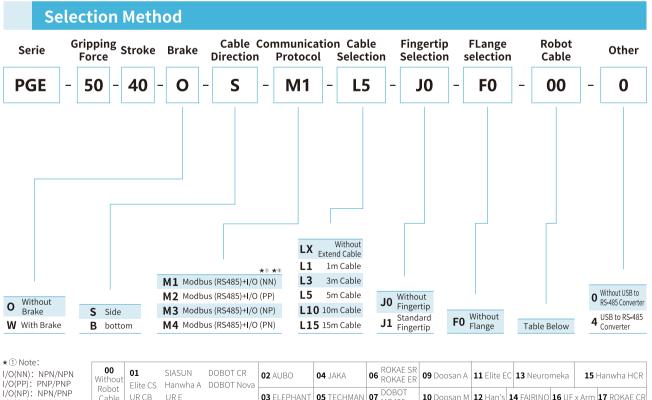




15 Hanwha HCR

PGE-50-40





^{*}⑤ It is recommended that no more than 4units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

03 ELEPHANT

02 AUBO

Withou

Robot

Cable

I/O(PN): PNP/NPN

UR CB

Elite CS Hanwha A DOBOT Nova

O4 JAKA

05 TECHMAN 07 DOBOT MG400

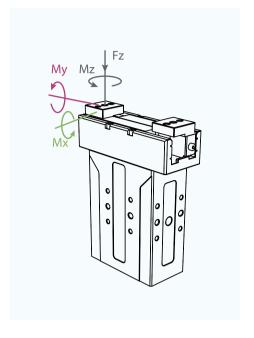
09 Doosan A | 11 Elite EC | 13 Neuromeka

10 Doosan M **12** Han's **14** FAIRINO **16** UF x Arm **17** ROKAE CR

Product Parame	eter	
Stroke		40 mm
Gripping force (p	er jaw)	15~50 N
Recommended w	vorkpiece weight	*® 1 kg
Opening/closing	time	0.6 s/0.6 s
Repeat accuracy	(position)	± 0.02 mm
Noise emission		< 50 dB
Weight		0.51 kg
Driving method	Precise planetary	gears + Rack and pinion
Size		' mm x 78 mm x 29 mm(without brake) 118 mm x 78 mm x 29 mm(with brake)

Working Environment				
Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT **			
Rated voltage	24 V DC \pm 10%			
Current	0.25 A (Rated)/ 0.5 A (Peak)**			
Rated Power	6 W			
IP class	IP 40			
Recommended en	vironment 0~40°C, under 85% RH			
Certification	CE, FCC, RoHS			

\odot	\odot	\odot	\odot	\odot	optional
Build-in Controller	Gripping Force Adjustable	Position Adjustable	Speed Adjustable	Drop Detection	Self-locking Mechanism



Static Vertical Allowable Load

150 N Fz

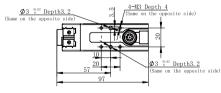
Allowable Loading Moment

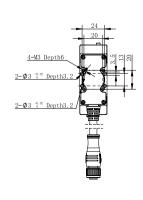
Mx	4.5 N⋅m
Му	5 N·m
Mz	7 N⋅m

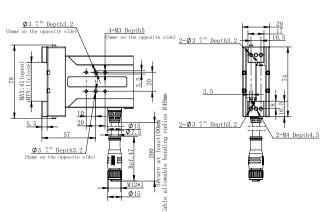
- *② It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please contact us.
 *③ Requires external communication convertor or customization,
- The peak current. If the current is lower than the parameter, it will cause the product can not work normally.

Technical Drawings

This drawing is for the gripper without the brake. If you need the drawing for the gripper with the brake, please download it from our official website or contact our sales.

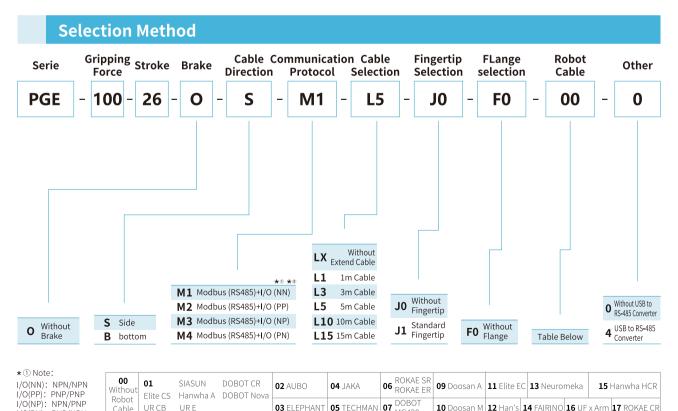






PGE-100-26





^{*(§)} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

03 ELEPHANT

Elite CS

Cable

I/O(PN): PNP/NPN

Hanwha A DOBOT Nova

05 TECHMAN 07 DOBOT MG400

10 Doosan M | **12** Han's | **14** FAIRINO | **16** UF x Arm | **17** ROKAE CR

Product Parame	eter	
Gripping force (p	er jaw)	30~100 N
Stroke		26 mm
Recommended v	vorkpiece weight*®	2 kg
Opening/closing	time	0.5 s/0.5 s
Repeat accuracy	(position)	\pm 0.02 mm
Noise emission		< 50 dB
Weight		0.55 kg
Driving method	Precise planetary gear	s + Rack and pinion
尺寸	125 mm	x 57 mm x 30 mm

Working Environn	nent	
Communication interface		andard: Modbus RTU (RS485), Digital I/O P, USB2.0, CAN2.0A, PROFINET, EtherCAT *®
 Rated voltage		24 V DC \pm 10%
Current		0.3 A (Rated)/ 1.2 A (Peak)*®
Rated Power		7.2 W
IP class		IP 40
Recommended env	vironment	0~40°C, under 85% RH
Certification		CE, FCC, RoHS

		\sim
Build-in	Gripping Force	Positio
Controller	Adjustable	Adjustal

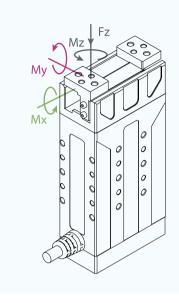
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Static Vertical Allowable Load

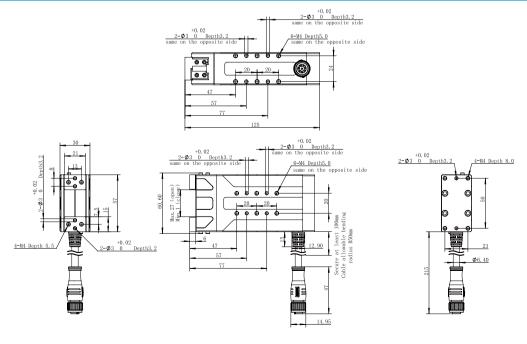
Fz	1	5	C)	٨	J
1 4	_	J	v	,	п,	٧

Allowable Loading Moment

Mx	2.5 N·m
Му	3 N⋅m
Mz	4 N⋅m

*② 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 contact us.
*③ Requires external communication convertor or customization, pleass contact sales or technical support.
*④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

Technical Drawings



PGSE Series Slim-type Electric Parallel Gripper

PGSE-15-7

Cost-effective solution for replacing pneumatic gripper with electric grippe.

Cost-effective

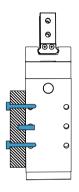


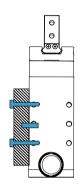
The PGSE Industrial Parallel Gripper is a miniature electric gripper specifically designed to meet the demand for quick grasping in narrow and compact installation spaces in industrial settings.

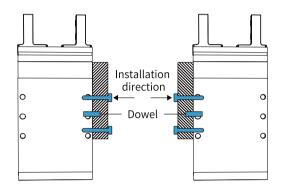


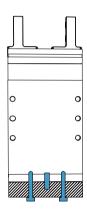
Installation

- 1. Front installation: use front screw holes for installation
- 2. Rear installation: use rear screw holes for installation
- 3. Right installation: use right screw holes for installation
- 4. Left installation: use left screw holes for installation
- 5. Bottom installation: use bottom screw holes for installation









Product Features

Ultimate Slimness

The PGSE gripper features a compact and intricate design, with dimensions of only 85.6 x 38 x 23.2 mm (length x width x height), making it extremely slim and compact.

High-Speed Response

The PGSE gripper offers rapid opening and closing times, with a minimum response time of as fast as 0.15 seconds for both opening and closing actions. This allows for quick grasping cycles, meeting the high-speed gripping requirements of production lines.

Flexible Installation

The gripper body of the PGSE model provides ultiple mounting options, allowing for versatile installation in compact spaces. Coupled with its compact size, it facilitates easy installation in tight spaces.

Application

The PGSE gripper is suitable for compact production environments, such as the semiconductor and 3C electronics industries, where it can be utilized for gripping, sorting, loading, and unloading of small-sized components.





PGSE-15-7

Selection Method Gripping Cable Communication Cable **Fingertip FLange** Serie Stroke Other **Brake** Selection Force **Direction Protocol** Selection selection **PGSE** 15 0 S **M**1 L5 **JO** 0 **M1** Modbus (RS485)+I/O (NN) L1 1m Cable ★① Note: M2 Modbus (RS485)+I/O (PP) L3 O Without USB to RS-485 Converter 3m Cable I/O(NN): NPN/NPN I/O(PP): PNP/PNP I/O(NP): NPN/PNP **M3** Modbus (RS485)+I/O (NP) L5 5m Cable O Without Brake J0 Without Fingertip FO Without Flange 4 USB to RS-485 Converter M4 Modbus (RS485)+I/O (PN) **L10** 10m Cable **S** Side I/O(PN): PNP/NPN

^{* 🕲} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Product Parame	eter	
Gripping force (p	erjaw)	6~15 N
Stroke		7 mm
Recommended v	workpiece weight*®	0.25 kg
Opening/closing	time	0.15 s/0.15 s
Noise emission		< 50 dB
Weight		0.15 kg
Driving method	Precise planetary gears +	Rack and pinion
Size	85.6 mm x 38	mm x 23.2 mm

Working Environme	nt	
Communication interface	Modbus RTU (RS485)、	Digital I/O *®
Rated voltage	24 V	$^{\prime}$ DC \pm 10%
Current	0.15 A (Rated)/ (0.8 A (Peak)*®
Rated Power		3.6 W
IP class		IP 40
Recommended environment	onment 0~40°C, und	der 85% RH
Certification	CE,	, FCC, RoHS

\odot
Build-in Controller



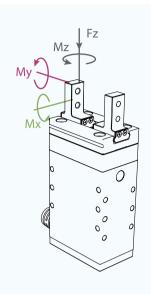












Static Vertical Allowable Load

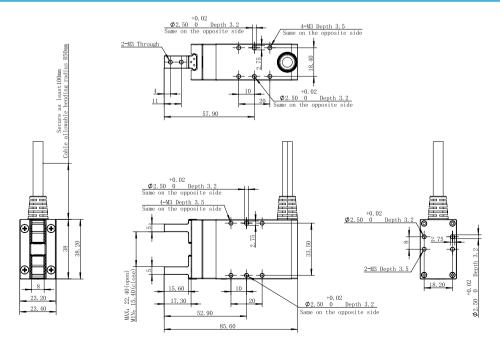
Fz	70 N
Allowable Loa	ding Moment
Mx	0.9 N·m
Му	0.75 N·m

0.9 N·m

*② 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 contact us.
*③ Requires external communication convertor or customization, pleass contact sales or technical support.
*④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

Μz

Technical Drawings



RGI Series Electric Rotary Gripper

RGI (Standard)

RGI-100-14

RGI-100-22

RGI-100-30

RGIC (Compact)

RGIC-35-12

RGIC-100-35

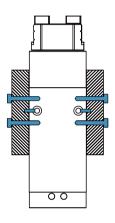


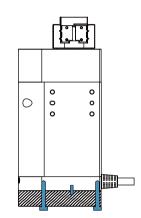
RGI series is the first fully self-developed infinite rotating gripper with a compact and precise structure on the market. It is widely applied in medical automation industry to grip and rotate the test tubes as well as other industries like electronics and New energy industry.

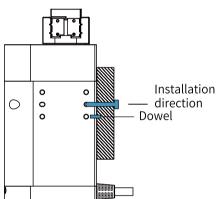


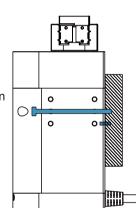
Installation

- 1. Side installation: use side screw holes for installation
- 2. Bottom installation : use bottom screw holes for installation
- 3. Rear installation: use rear screw holes for installation
- 4. Front installation: Install with front screw holes









Product Feature

Gripping & Infinite Rotation

The unique structural design in the industry can realize the simultane ous griping and infinite rotation on one electric gripper, and solve the winding problem in non-standard design and rotation.

Compact Double Servo System

Dual servo systems are creatively integrated in a thin machine body, which is compact in design and can be adapted to many industrial scenes.

High Gripping Force and Torque

The maximum single-sided gripping force is 100N, and the maximum torque is 1.5N·m. Though precise force control and position control, the RGI gripper can more stably complete the grasping and rotating tasks.

Application

Medical automation reagents, blood samples, nucleic acids and other sample processing scenarios such as opening and closing covers, scaning code detection, etc.; RGI-100 series comes standard with fingertips and can be adapted to 10 mix 1 and 20 mix 1 size tubes to meet the needs of large-scale nucleic acid sampling.







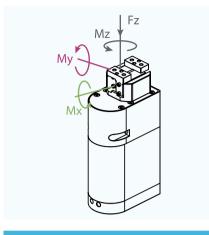
Selection Method Gripping Cable Communication Cable **Fingertip FLange** Serie Stroke Other **Brake** Selection Force Direction **Protocol** Selection selection 14 RGI 100 0 S **M**1 L5 **JO** 0 14 22 30 LX Extend Cable Without M1 Modbus (RS485)+I/O (NN) L1 1m Cable ★① Note: J0 Without Fingertip O Without USB to RS-485 Converter I/O(NN): NPN/NPN I/O(PP): PNP/PNP I/O(NP): NPN/PNP I/O(PN): PNP/NPN M2 Modbus (RS485)+I/O (PP) L3 3m Cable O Without Brake M3 Modbus (RS485)+I/O (NP) L5 5m Cable **S** Side FO Without Flange 4 USB to RS-485 Converter **J1** Standard Fingertip M4 Modbus (RS485)+I/O (PN) **L10** 10m Cable **B** bottom

^{*(§)} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

RGI-100-14 Parameters

Product Parameter	
Stroke	14 mm
Gripping force (per jaw)	30~100 N
Rated torque	0.5 N·m
Peak torque	1.5 N·m
Rotary range	Infinite Rotating
Recommended workpiece weight(Fingertip	included)** 1.5 kg
Max. rotation speed	2160 °/s
Repeat accuracy (swiveling)	± 0.05 °
Repeat accuracy (position)	\pm 0.02 mm
Opening/closing time	0.6 s/0.6 s
Weight	1.28 kg
Size	158 x 75.5 x 47 mm Rotaty Diameter: 47.1 mm

Working Environment	
Communication interface	Standard: Modbus RTU (RS485),Digital I/O Optional: TCP/IP, CAN2.0A, PROFINET, EtherCAT★®
Rated voltage	24 V DC \pm 10%
Current	1 A (Rated)/ 4 A (Peak)*®
Rated Power	24 W
IP class	IP 40
Recommended environment	0~40°C, under 85% RH
Certification	CE, FCC, RoHS



Static Vertical Allowable Load

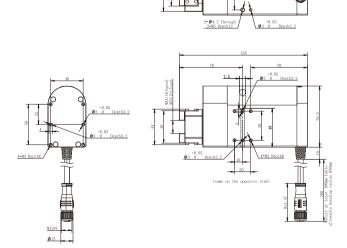
Fz	1:	50	1	١

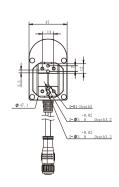
Allowable Loading Moment

Mx	2.5 N·m
Му	3 N⋅m
Mz	4 N⋅m

Build-in	Gripping Force	Position	Speed
Controller	Adjustable	Adjustable	Adjustable
Drop Detection	Rotary Adjustable	Self-locking Mechanism	

- *② 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 contact us.
 *③ Requires external communication convertor or customization, pleass contact sales or technical support.
 *④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

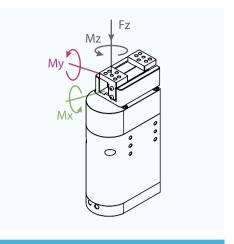




RGI-100-22 Parameters

Product Parameter	
Stroke	22 mm
Gripping force (per jaw)	30~100 N
Rated torque	0.5 N·m
Peak torque	1.5 N⋅m
Rotary range	Infinite Rotating
Recommended workpiece weight(Fingertip i	ncluded)** 1.5 kg
Max. rotation speed	2160 °/s
Repeat accuracy (swiveling)	± 0.05°
Repeat accuracy (position)	\pm 0.02 mm
Opening/closing time	0.65 s/0.65 s
Weight	1.28 kg
Size	158 x 75.5 x 47 mm Rotaty Diameter: 67.1 mm

Working Environment	
Communication interface	Standard: Modbus RTU (RS485),Digital I/O Optional: TCP/IP, CAN2.0A, PROFINET, EtherCAT★®
Rated voltage	24 V DC \pm 10%
Current	1 A (Rated)/ 4 A (Peak)*®
Rated Power	24 W
IP class	IP 40
Recommended environment	0~40°C, under 85% RH
Certification	CE, FCC, RoHS



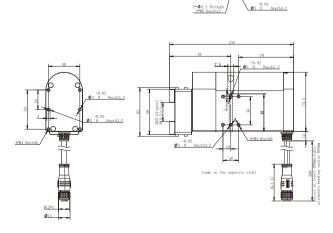
Static Vertical Allowable Load

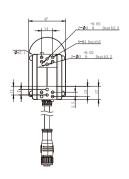
Fz	200 N
Allowable	Loading Moment

Mx	3.5 N⋅m
Му	4 N·m
Mz	5.5 N·m

Build-in	Gripping Force	Position	Speed
Controller	Adjustable	Adjustable	Adjustable
Drop	Rotary	Self-locking	
Detection	Adjustable	Mechanism	

*② 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 contact us.
*③ Requires external communication convertor or customization, pleass contact sales or technical support.
*④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

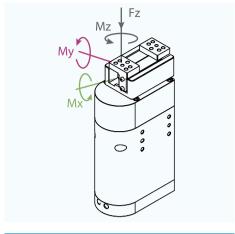




RGI-100-30 Parameters

Product Parameter	
Stroke	30 mm
Gripping force (per jaw)	30~100 N
Rated torque	0.5 N⋅m
Peak torque	1.5 N⋅m
Rotary range	Infinite Rotating
Recommended workpiece weight(Fingertip i	included)*® 1.5 kg
Max. rotation speed	2160 °/s
Repeat accuracy (swiveling)	± 0.05°
Repeat accuracy (position)	\pm 0.02 mm
Opening/closing time	0.7 s/0.7 s
Weight	1.28 kg
Size	158 x 75.5 x 47 mm Rotaty Diameter: 84.8 mm

Working Environment	
Communication interface	Standard: Modbus RTU (RS485),Digital I/O Optional: TCP/IP, CAN2.0A, PROFINET, EtherCAT★®
Rated voltage	24 V DC \pm 10%
Current	1 A (Rated)/ 4 A (Peak)*®
Rated Power	24 W
IP class	IP 40
Recommended environment	0~40°C, under 85% RH
Certification	CE, FCC, RoHS



Static Vertical Allowable Load

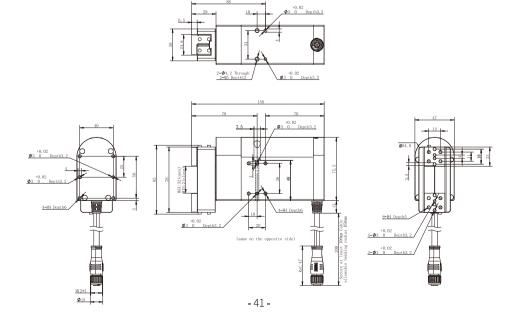
250 N Fz

Allowable Loading Moment

Mx	4.5 N⋅m
Му	5 N·m
Mz	7 N·m

Build-in	Gripping Force	Position	Speed
Controller	Adjustable	Adjustable	Adjustable
Orop Detection	Rotary Adjustable	Self-locking Mechanism	

- ② 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 contact us.
 ③ Requires external communication convertor or customization, pleass contact sales or technical support.
 ④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.





Selection Method Gripping **FLange** Cable Communication Cable **Fingertip** Serie Stroke Other **Brake** Force Direction **Protocol** Selection Selection selection **RGIC** 35 12 0 S **M**1 L5 **JO** 0 Without LX Extend Cable M1 Modbus (RS485)+I/O (NN) 1m Cable L1 ★① Note: J0 Without Fingertip O Without USB to RS-485 Converter M2 Modbus (RS485)+I/O (PP) L3 3m Cable I/O(NN): NPN/NPN I/O(PP): PNP/PNP I/O(NP): NPN/PNP M3 Modbus (RS485)+I/O (NP) L5 5m Cable **S** Side O Without Brake J1 Standard Fingertip FO Without Flange 4 USB to RS-485 Converter M4 Modbus (RS485)+I/O (PN) **L10** 10m Cable **B** bottom I/O(PN): PNP/NPN

^{*(§)} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Parameters

Product Parameter	
Gripping force (per jaw)	13~35 N
Stroke	12 mm
Rated torque	0.2 N⋅m
Peak torque	0.5 N·m
Rotary range	Infinite Rotating
Recommended workpiece weight(Fingertip inclu	uded)*® 0.5 kg
Max. rotation speed	2160 °/s
Repeat accuracy (swiveling)	± 0.05°
Repeat accuracy (position)	\pm 0.02 mm
Opening/closing time	0.6 s/0.6 s
Weight	0.64 kg
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0 mm x 53 mm x 34 mm Rotaty Diameter: 33mm

Working Environment	
Communication interface	Standard: Modbus RTU (RS485), Digital I/O Optional: TCP/IP, CAN2.0A, PROFINET, EtherCAT ★®
Rated voltage	24 V DC \pm 10%
Current	1.7 A (Rated) / 2.5 A (Peak)*®
Rated Power	40.8 W
IP class	IP 40
Recommended environme	nt 0~40°C, under 85% RH
Certification	CE, FCC, RoHS

Build-in	Gripping Force	Posit
Controller	Adjustable	Adjust

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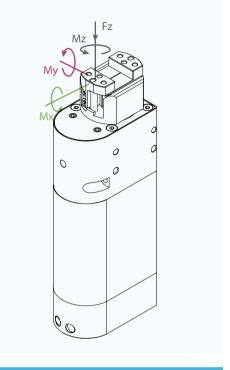












Static Vertical Allowable Load

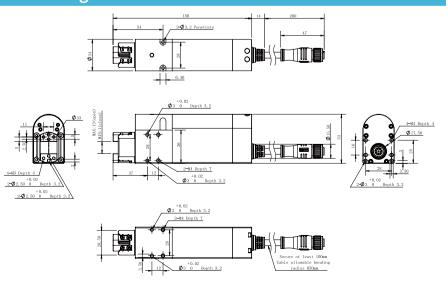
100 N

Allowable Loading Moment

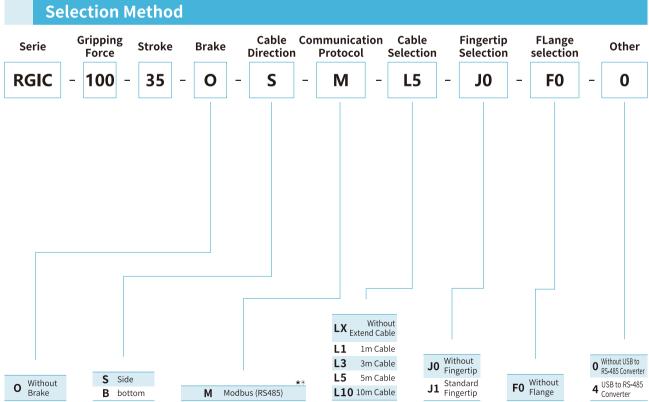
Mx	1.5 N⋅m
Му	1.1 N·m
Mz	2.1 N·m

*② 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 contact us.
*③ Requires external communication convertor or customization, pleass contact sales or technical support.

** When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.







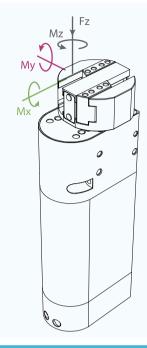
^{*}④ It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Parameters

Product Parameter	
Gripping force (per jaw)	40~100 N
Stroke	35 mm
Rated torque	0.35 N·m
Peak torque	1.5 N⋅m
Rotary range	Infinite Rotating
Recommended workpiece weight(Fingertip in	ncluded)*° 1 kg
Max. rotation speed	1400 °/s
Repeat accuracy (position)	\pm 0.02 mm
Opening/closing time	0.9 s/0.9 s
Weight	0.65 kg
Size	159 mm x 53 mm x 34 mm Rotaty Diameter: 41 mm

working Environment	
Communication interface	Standard: Modbus RTU (RS485) Optinal: TCP/IP, CAN2.0A, PROFINET, EtherCAT ★◎
Rated voltage	24 V DC \pm 10%
Current	2 A (Rated)/ 5 A (Peak)*®
Rated Power	48 W
IP class	IP 40
Recommended environme	nt 0~40°C, under 85% RH
Certification	CE, FCC, RoHS

Recommended environment			0~40°C, under 85% RH			
Certification				CE, FCC,	RoHS	
Suild-in	✓Gripping ForceAdjustable	Position Adjustable	Speed Adjustable	Orop Detection	Rotary Adjustable	Self-locking Mechanism



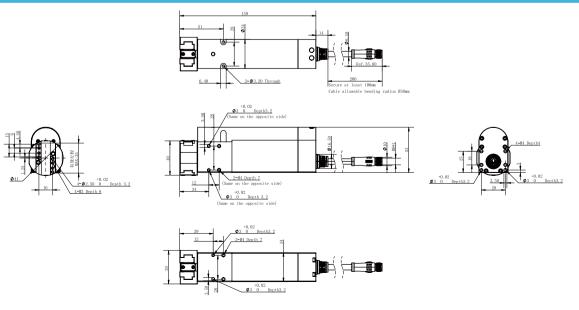
Static Vertical Allowable Load

Fz	100 N

Allowable Loading Moment

Mx	1.5 N⋅m
Му	1.1 N·m
Mz	2.1 N·m

- *① 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 contact us.
 *② Requires external communication convertor or customization,
- pleass contact sales or technical support.
 *③ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.



RGD Series Electric Direct Drive Rotary Gripper

RGD-5-14

RGD-5-30

RGD-35-14

RGD-35-30

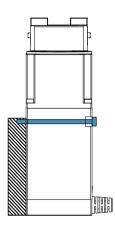


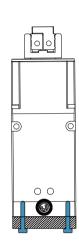
The RGD direct-drive electric rotary gripper of DH-Robotics adopts a direct-drive backlash-free rotation module to improve therotary accuracy, and thus is perfectly suited for high-precision manufacturing applications.



Installation

- 1. Front installation: use front screw holes for installation
- 2. Bottom installation: use bottom screw holes for installation





Product Features

Zero Rotary Backlash High Repeatability

The RGD series adopts direct-drive rotary motors to realize zero rotary backlash and a rotary resolution of up to 0.01°, which applies to rotary positioning scenarios in semiconduc tor production.

High Dynamic Response High-speed Stability

The precision direct-drive technology, coupled with DH-Robotics' excellent drive control, realizes perfect control of gripping and rotation. The rotation speed is up to 1500° per second.

All-in-one Design Power-off Protection

The gripper adopts the design of integrating the dual servo system of gripping and rotation with the drive control module, which is smaller and more compact, and applies to more scenarios. Brakes are optional to meet the requirements of various applications.

Application

With the direct-drive technology, the RGD gripper can provide greatly improved rotary accuracy, which can be used in scenarios such as the high-precision positioning assembly, transport, and deflection correction of 3C electronics and semiconductors.



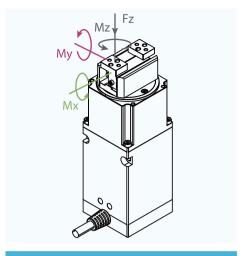


Selection Method FLange Gripping Cable Communication Cable **Fingertip** Serie Stroke Other **Brake** Selection Force Direction **Protocol** Selection selection 0 **RGD** 5 1 0 S L5 **JO** LX Without Extend Cable L1 1m Cable J0 Without Fingertip O Without USB to RS-485 Converter L3 3m Cable O Without Brake 14 **S** Side L5 5m Cable FO Without Flange **J1** Standard Fingertip 4 USB to RS-485 Converter **L10** 10m Cable 30 W With Brake **B** bottom M Modbus (RS485)

^{*(§)} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

RGD-5-14 Parameters

Modbus RTU (RS485) Optional: TCP/IP, EtherCAT [*] ®
24 V DC \pm 10%
1.2 A (Rated)/ 2.5 A (Peak) *®
60 W
IP 40
0~40°C, under 85% RH
CE, FCC, RoHS



Static Vertical Allowable Load

150 N

Allowable Loading Moment

Mx	2 N·m
Му	1.5 N·m
Mz	2.5 N·m

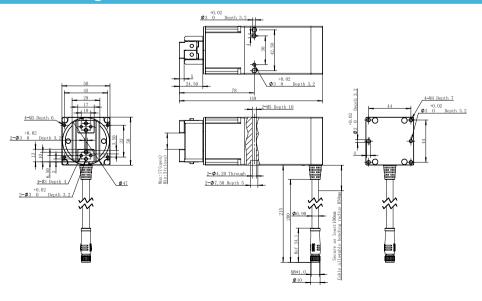
Build-in	Gripping Force	Position	Speed
Controller	Adjustable	Adjustable	Adjustable
Drop Detection	Rotary Adjustable	可选 Self-locking Mechanism	

- *①The peak torque can be increased to a maximum of 0.5 N·m. For specific details, please consult with technical support personnel.

 *②The gripping force on objects depends on factors such as the shape of the object, the material and friction of the contact surface, and the read of the contact surface and the grasped object can also affect the load. If you have any questions, please contact us.

 *③Requires external communication convertor or customization, pleass contact uses or technical support.

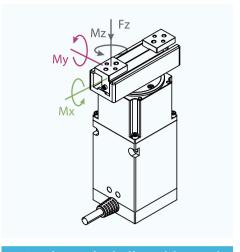
 *③When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.



RGD-5-30 Parameters

Draduct Darameter	
Product Parameter	
Stroke	30 mm
Gripping force (per jaw)	2-5.5 N
Rated torque	0.1 N·m
Peak torque [™]	0.25 N⋅m
Rotary range	Infinite Rotating
Recommended workpiece weight*®	0.05 kg
Max. rotation speed	1500 °/s
Rotary backlash	Zero backlash
Repeat accuracy (swiveling)	± 0.1 °
Repeat accuracy (position)	± 0.02 mm
Opening/closing time	0.5 s/0.5 s
Noise emission	< 60 dB
Weight	1 kg(without brake) 1.02 kg(with brake)
Size	149 mm x 50 mm x 50 mm Rotaty Diameter: 83.6 mm

Working Environment	
Communication interface	Modbus RTU (RS485) Optional: TCP/IP, EtherCAT ^{⋆®}
Rated voltage	24 V DC \pm 10%
Current	1.2 A (Rated)/ 2.5 A (Peak)* [⊕]
Rated Power	60 W
IP class	IP 40
Recommended environment	0~40°C, under 85% RH
Certification	CE, FCC, RoHS

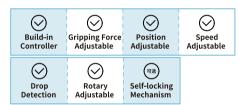


Static Vertical Allowable Load

150 N

Allowable Loading Moment

Mx	2 N·m
My	1.5 N⋅m
Mz	2.5 N·m

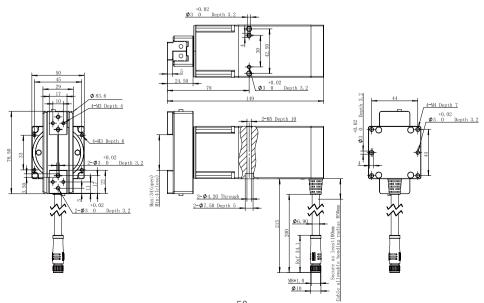


- *①The peak torque can be increased to a maximum of 0.5 N·m. For specific details, please consult with technical support personnel.

 *②The gripping force on objects depends on factors such as the shape of the object, the material and friction of the contact surface, and the acceleration of movement. The displacement of the center of gravity of the grasped object can also affect the load. If you have any questions, please contact us.

 *③Requires external communication convertor or customization, pleass contact sales or technical support.

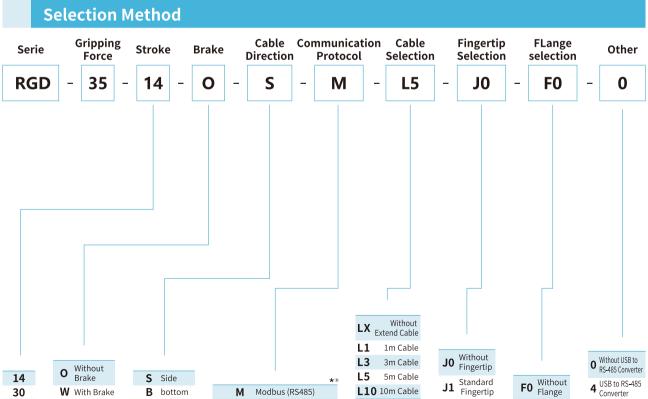
 *③When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.



Parameter table of rotational time in place for different inertia loads

Reference Size/mm	Material	Weight/g	Corresponding Inertia/Kg·mm²	Actual Rotation Angle/°	Reference Correction Tme/ms
		0	0	45	200
Unload				90	200
	-			180	400
				360	500
				720	700
				45	200
				90	300
20*80*25	Aluminum Block	57	61	180	400
	Brook			360	500
				720	700
				45	300
				90	350
74.7*80*25	Aluminum Block	387	402	180	400
	Brock			360	550
				720	750
	Aluminum Block 503		503 685	45	400
		503		90	450
96.7*80*25				180	500
				360	650
				720	850
				45	850
	Aluminum Block		941	90	1000
111.3*80*25		582		180	1200
	Block			360	1450
				720	1650
		662	1263	45	1350
	Aluminum Block			90	1550
126*80*25				180	1850
				360	1950
				720	2450



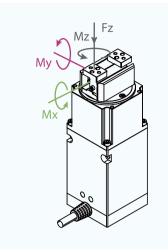


^{*(§)} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

RGD-35-14 Parameters

Product Parameter	
Stroke	14 mm
Gripping force (per jaw)	10-35 N
Rated torque	0.1 N·m
Peak torque*®	0.25 N·m
Rotary range In	nfinite Rotating
Recommended workpiece weight(Fingertip include	d)* [®] 0.35 kg
Max. rotation speed	1500 °/s
Rotary backlash	Zero backlash
Repeat accuracy (swiveling)	± 0.1 °
Repeat accuracy (position)	\pm 0.02 mm
Opening/closing time	0.5 s/0.5 s
Noise emission	< 60 dB
Weight	0.86 kg(without brake) 0.88 kg(with brake)
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	9 mm x 50 mm x 50 mm taty Diameter: 47 mm

Working Environment	
Communication interface	Modbus RTU (RS485) Optional: TCP/IP、EtherCAT * [®]
Rated voltage	24 V DC \pm 10%
Current	1.2 A (Rated)/ 2.5 A (Peak)* [®]
Rated Power	60 W
IP class	IP 40
Recommended environment	: 0~40°C, under 85% RH
Certification	CE, FCC, RoHS



Static Vertical Allowable Load

Fz 150 N

Allowable Loading Moment

Mx	2 N · m
Му	1.5 N·m
Mz	2.5 N⋅m

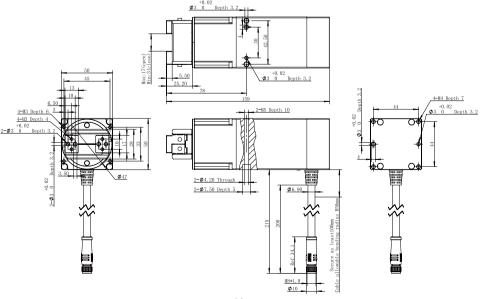
Build-in	Gripping Force	Position	Speed
Controller	Adjustable	Adjustable	Adjustable
Drop Detection	Rotary Adjustable	可选 Self-locking Mechanism	

- *①The peak torque can be increased to a maximum of 0.5 N·m. For specific details, please consult with technical support personnel.

 *②The impring force on on bjects depends on a factor such as the shape of the object, the material and friction of the contact surface, and the acceleration of movement. The displacement of the center of gravity of the grasped object can also affect the load. If you have any questions, please contact us.

 *③Requires external communication convertor or customization, pleass contact sales or technical support.

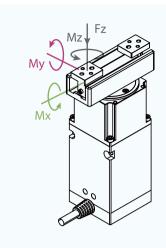
 *③When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.



RGD-35-30 Parameters

Product Parameter	
Stroke	30 mm
Gripping force (per jaw)	10-35 N
Rated torque	0.1 N·m
Peak torque*®	0.25 N⋅m
Rotary range	Infinite Rotating
Recommended workpiece weight(Fingertip in	cluded)* ^② 0.35 kg
Max. rotation speed	1500 °/s
Rotary backlash	Zero backlash
Repeat accuracy (swiveling)	± 0.1 °
Repeat accuracy (position)	± 0.02 mm
Opening/closing time	0.7 s/0.7 s
Noise emission	< 60 dB
Weight	1 kg(without brake) 1.02 kg(with brake)
Size	159 mm x 50 mm x 50 mm Rotaty Diameter: 83.6 mm

Working Environment	
Communication interface	Modbus RTU (RS485) Optional: TCP/IP、EtherCAT ^{⋆③}
Rated voltage	24 V DC \pm 10%
Current	1.2 A (Rated)/ 2.5 A (Peak)*®
Rated Power	60 W
IP class	IP 40
Recommended environme	nt 0~40°C, under 85% RH
Certification	CE, FCC, RoHS



Static Vertical Allowable Load

Fz 150 N

Allowable Loading Moment

Mx	2 N·m
Му	1.5 N·m
Mz	2.5 N·m

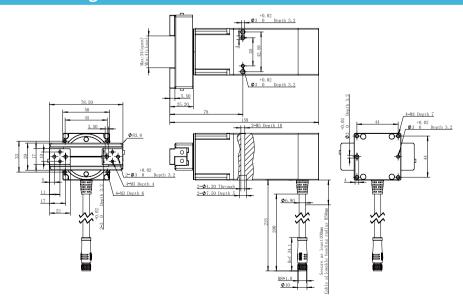
Build-in	Gripping Force	Position	Speed
Controller	Adjustable	Adjustable	Adjustable
Drop Detection	Rotary Adjustable	可逸 Self-locking Mechanism	

- *①The peak torque can be increased to a maximum of 0.5 N·m. For specific details, please consult with technical support personnel.

 *②The impring force on objects depends on factors such as the shape of the object, the material and friction of the contact surface, and the acceleration of movement. The displacement of the center of gravity of the grasped object can also affect the load. If you have any questions, please contact us.

 *③Requires external communication convertor or customization, pleass contact sales or technical support.

 *③When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.



Parameter table of rotational time in place for different inertia loads

Reference Size/mm	Material	Weight/g	Corresponding Inertia/Kg·mm²	Actual Rotation Angle/°	Reference Correction Tme/ms
				45	200
				90	200
Unload	-	0	0	180	400
				360	500
				720	700
				45	200
				90	300
20*80*25	Aluminum Block	57	61	180	400
	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			360	500
				720	700
				45	300
				90	350
74.7*80*25	Aluminum Block	387	402	180	400
	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			360	550
				720	750
96.7*80*25 Aluminum Block	503	685	45	400	
			90	450	
			180	500	
				360	650
				720	850
		582	941	45	850
				90	1000
111.3*80*25	Aluminum Block			180	1200
				360	1450
				720	1650
				45	1350
				90	1550
	Aluminum Block	662	1263	180	1850
				360	1950
			720	2450	

PGI Series Electric Parallel Gripper

PGI-80-80 PGI-140-80

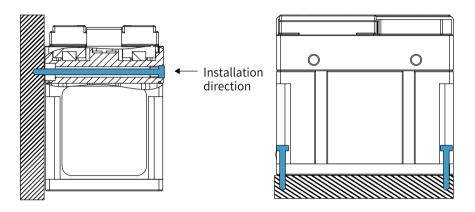


Based on the industrial requirements of "long stroke, high load, and high protection level", DH-Robot ics independently developed the PGI series of industrial electric parallel gripper. The PGI series is widely used in various industrial scenarios with positive feedback.



Installation

- 1. Front and rear installation: use front and rear screw holes for installation
- 2. Bottom installation: use bottom screw holes for installation



Product Features

Long Stroke

Long stroke reach to 80 mm. With the customization fingertips, it can stably grasp the medium and large objects below 3kg and suitable for lots of industrial scenes.

High Protection Level

The protection level of PGI-140-80 reaches to IP54, which is able to work under harsh environment with dust and liquid splash.

High Load

The maximum single-sided gripping force of PGI-140-80 is 140 N, and the maximum recommend ed load is 3 kg, which can meet more diverse gripping needs.

Application

In industrial scenarios, it is used for gripping, handling and assembly of heavy workpieces. Mostly used in new energy, auto parts, machin ing, 3C electronics and other industries.





10 Doosan M | 12 Han's | 14 FAIRINO | 16 UF x Arm | 17 ROKAE CR

Cable

UR CB

URE



Selection Method Gripping Stroke Cable Communication Cable Robot **Fingertip FLange** Serie **Brake** Other Force Direction Protocol Selection Selection selection Cable J0 PGI 140 80 **M1** F₀ 00 0 80 140 Without LX Extend Cable L1 1m Cable M1 Modbus (RS485)+I/O (NN) L3 3m Cable J0 Without Fingertip 0 Without USB to RS-485 Converter Without M2 Modbus (RS485)+I/O (PP) L5 5m Cable F0 Flange M3 Modbus (RS485)+I/O (NP) **L10** 10m Cable J1 Standard Fingertip F1 Standard 4 USB to RS-485 Converter W With Brake M4 Modbus (RS485)+I/O (PN) **S** Side **L15** 15m Cable Table Below ★① Note: 06 ROKAE SR ROKAE ER I/O(NN): NPN/NPN I/O(PP): PNP/PNP 00 01 SIASUN DOBOT CR 02 AUBO 09 Doosan A | 11 Elite EC | 13 Neuromeka 15 Hanwha HCR 04 JAKA Hanwha A DOBOT Nova Elite CS 03 ELEPHANT 05 TECHMAN 07 MG400 Robot I/O(NP): NPN/PNP I/O(PN): PNP/NPN

^{*} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Parameters

Product Parameter	PGI-80-80	PGI-140-80
Gripping force (per jaw)	16~80 N	40~140 N
Stroke	80 mm	80 mm
Recommended workpiece weight	1.6 kg	3 kg
Opening/closing time*	0.7s (80mm) 0.4s (5mm)	1.1 s/1.1 s
Repeat accuracy (position)		\pm 0.03 mm
Noise emission		< 50 dB
Weight	1 kg (excl	ude fingers)
Driving method Precise plane	etary gears + Ra	ck and pinion
Size	95 mm x 61.7	mm x 86 mm

Working Envi	ronment		
Communication interface		dard:Modbus RTU (RS485)、Digital I/O BB2.0、CAN2.0A、PROFINET、EtherCAT *®	
Rated voltage		24 V DC \pm 10%	
Current		0.5 A (Rated)/ 1.2 A (Peak)*®	
Rated Power		12 W	
IP class		IP 54	
 Recommende	d environment	0~40°C, under 85% RH	
Certification		CE, FCC, RoHS	

\odot
\odot
Build-in
Controller



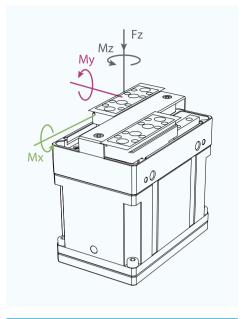












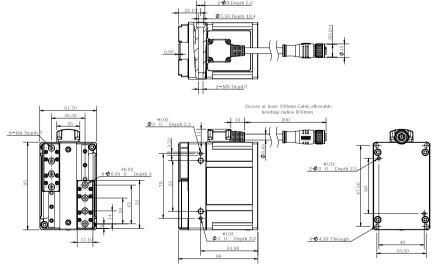
Static Vertical Allowable Load

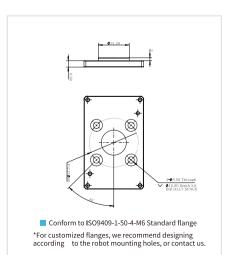
Г-	200 N
Fz	300 N

Allowable Loading Moment

Mx	7 N⋅m
Му	7 N⋅m
Mz	7 N⋅m

- *② 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 contact us.
 *③ Requires external communication convertor or customization, pleass contact sales or technical support.
 *④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.





PGHL Series Heavy-Load Long-Stroke Electric Parallel Gripper

PGHL-400-80

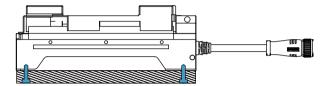


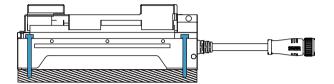
PGHL series is an industrial flat electric gripper developed and produced by DH-Robotics. With its compact design, heavy load and high force control accuracy, it can be applied to heavier load clamping requirements and more application scenarios.



Installation

Bottom installation: use bottom screw holes for installation





Product Features

Flat Electric Gripper High Energy density

PGHL-400-80 industrial flat electric gripper, the structure of which is delicate and meticulous. The length, width and height dimensions is only 194 \times 73 \times 70mm. This model can provide large clamping force and fast clamping beat, coming with mechanical self-locking mechanism, challenge the limit of large load and thin size.

High Force Control Accurancy

The force repeatability is $\pm 40N(\pm 10\%)$. Far better than ordinary products in the market by $\pm 10\% \sim \pm 20\%$ of force control accuracy.

Quick Response Intelligent planning speed

Opening/closing time up to 1.0s/1.1s, with speed control optimization and mechanical self-locking mechanism function, it can meet fast and stable gripping needs of the production line.

Application

Applied in industrial production of large weight and large volume workpieces gripping and handling, such as lithium batteries in the new energy industry package gripping, large machined parts in automo bile assembly production in automotive assembly.



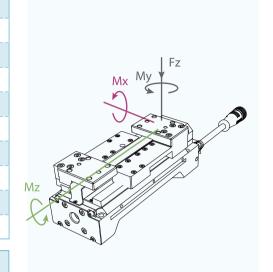


Selection Method Gripping Cable Communication Cable **Fingertip FLange** Serie Stroke Other **Brake** Selection Force Direction **Protocol** Selection selection **PGHL** 400 80 S **M**1 L5 **JO** 0 Without LX Extend Cable L1 1m Cable **M1** Modbus (RS485)+I/O (NN) L3 3m Cable ★① Note: O Without USB to RS-485 Converter M2 Modbus (RS485)+I/O (PP) L5 5m Cable I/O(NN): NPN/NPN I/O(PP): PNP/PNP I/O(NP): NPN/PNP **M3** Modbus (RS485)+I/O (NP) J0 Without Fingertip **L10** 10m Cable **FO** Without Flange 4 USB to RS-485 Converter M4 Modbus (RS485)+I/O (PN) **L15** 15m Cable W With Brake **S** Side I/O(PN): PNP/NPN

^{*(§)} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Parameters

Product Parameter	
Gripping force (per jaw)	140~400 N
Stroke	80 mm
Recommended workpiece w	reight*® 8 kg
Opening/closing time	1.0 s/1.1 s
Repeat accuracy (position)	\pm 0.02 mm
Noise emission	< 60 dB
Weight	2.2 kg
Driving method	Precise planetary gears+ Tshaped lead screw+Rack and pinion
Size	194 mm x 73 mm x 70 mm



Working Environment

Standard:Modbus RTU (RS485), Digital I/O Optional: TCP/IP、USB2.0、CAN2.0A、PROFINET、EtherCAT ** Communication interface Rated voltage 24 V DC \pm 10% Current 1 A (Rated)/3 A (Peak)** Rated Power 24 W IP class IP 40 Recommended environment 0~40°C,85%RH以下

Certification CE, FCC, RoHS













Static Vertical Allowable Load

F7	1000 N
	100011

Allowable Loading Moment

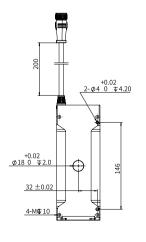
Mx	50 N⋅m
Му	50 N·m
Mz	15 N⋅m

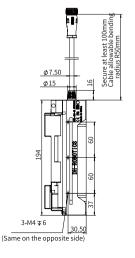
*② It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please contact us.
*③ Requires external communication convertor or customization,

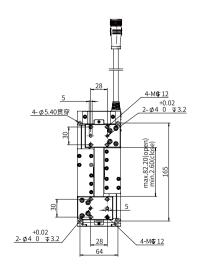
pleass contact sales or technical support.

*④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.









PGS Series Miniature Electro-magnetic Gripper

PGS-5-5

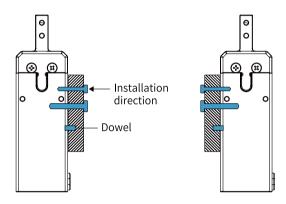


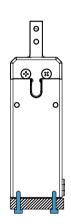
The PGS series is a miniature electromagnetic gripper with high working frequency. Based on a split design, the PGS series could be applied in space-limited environment with the ultimate compact size and simple configuration.



Installation

- 1. Front and rear installation: use front and rear screw holes for installation
- 2. Bottom installation: use bottom screw holes for installation





Product Features

Small Size

Compact size with 20×26 mm, it can be deployed in a relatively small environment.

High Frequency

The opening/closing time could reach 0.03s to meet the needs of fast grasping.

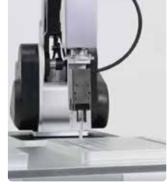
Easy to Use

The configuration is simple with the Digital I/O communication protocol.

Application

High-frequency fast capture, detection, adjustment and other scenarios in 3C electronics, medical automation, semiconductor and other industries.





PGS-5-5

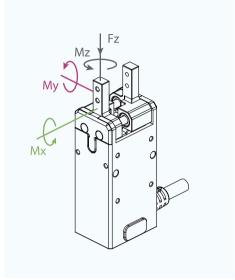


Selection Method Gripping Cable Communication Cable **Fingertip FLange** Serie Stroke **Brake** Other Force Direction Selection **Protocol** Selection selection **PGS** 0 5 0 S L5 **PP** Digital I/O (PNP/PNP) NN Digital I/O (NPN/NPN) PN Digital I/O (PNP/NPN) **L1** 1.5m Cable J1 Standard Fingertip FO Without Flange O Without Brake O Without USB to RS-485 Converter NP Digital I/O (NPN/PNP) L5 5m Cable **S** Side

Parameters

Product Parameter		
Gripping force (per jaw	v)	3.5-5 N
Stroke		5 mm
Recommended workp	iece weight*®	0.05 kg
Opening/closing time		0.03 s/0.03 s
Repeat accuracy (posit	tion)	\pm 0.01 mm
Noise emission		< 60 dB
Weight		0.2 kg
Driving method	Electro	magnet + Spring
Size		5 mm x 26 mm x 20 mm m x 66.8 mm x 29.6 mm

Working Environment						
Comm	unication i	nterface		Digital I/O		
Rated	voltage			24 V DC \pm 10%		
Current		0.1 A (F	0.1 A (Rated)/ 3 A (Peak) * ²			
Rated	Rated Power			2.4 W		
IP class			IP 40			
Recommended environment		t 0~40	0~40°C, under 85% RH			
Certification			CE, FCC, RoHS			
Build-in Controller	Gripping Force Adjustable	Rosition Adjustable	Speed Adjustable	Orop Detection	Self-locking Mechanism	



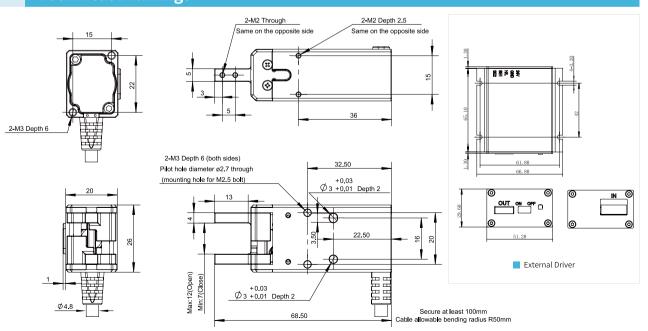
Static Vertical Allowable Load

Fz	150 N
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Allowable Loading Moment

Mx	0.62 N·m
Му	0.62 N·m
Mz	0.62 N⋅m

*① 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 contact us.

*② When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

PGC Series Electric Collaborative Parallel Gripper

PGC-50-35 PGC-140-50 PGC-300-60

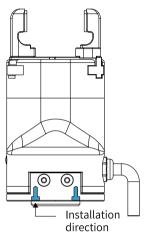


DH-Robotics PGC series of collaborative parallel electric grippers is an electric gripper mainly used in cooperative manipulators. It has the advantages of high protection level, plug and play, large load and so on. The PGC series combines precision force control and industrial aesthetics. In 2021, it won two industrial design awards, the Red Dot Award and the IF Award.



Installation

1. Bottom installation : use bottom screw holes for installation



Product Features

High protection level

The protection level of PGC series is up to IP67, so the PGC series is able to work under harsh conditions such as machine tending environment.

Plug & Play

PGC series supports plug & play with most collaborative robot brands on the market which is easier to control and program.

High Load

The gripping force of the PGC series could reach 300 N, and the maximum load can reach 6 kg, which can meet more diverse gripping needs.

Application

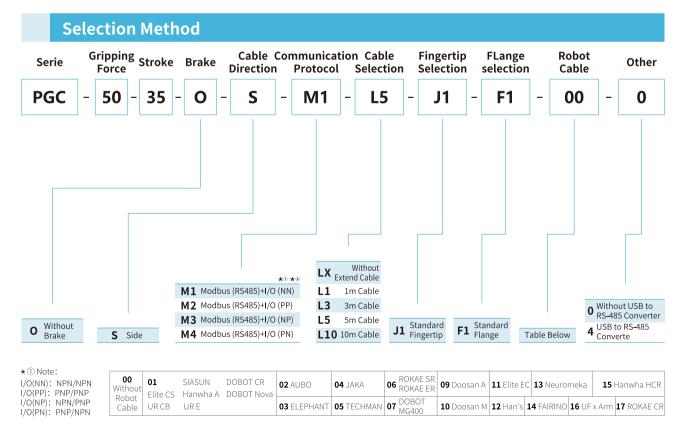
With collaborative robots, it can complete a series of complex processes including gripping, handling, and assembly in scenarios such as medical automation, 3C electronics, new energy, and new robot retail.





PGC-50-35

PHROBOTICS



^{*(§)} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Parameters

Product Parameter	
Gripping force (per jaw)	15~50 N
Stroke	37 mm
Recommended workpiece w	reight*® 1 kg
Opening/closing time	0.7 s/0.7 s
Repeat accuracy (position)	\pm 0.03 mm
Noise emission	< 50 dB
Weight	0.5 kg
Driving metho ∄ recise planet	ary gears + Rack and pinion
Size	124 mm x 63 mm x 63 mm

My Fz

Working Environment

_		
Communication interface		Modbus RTU (RS485), Digital I/O 0, CAN2.0A, PROFINET, EtherCAT *®
Rated voltage		24 V DC \pm 10%
Current	0.25	A (Rated)/ 0.5 A (Peak) *®
Rated Power		6 W
IP class		IP 54
Recommended	environment	0~40°C, under 85% RH
Certification		CE, FCC, RoHS

 \otimes Build-in Controller











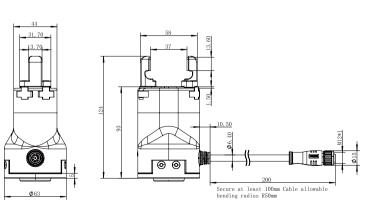


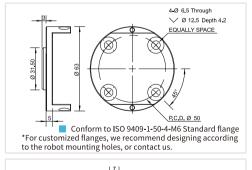
Static Vertical Allowable Load

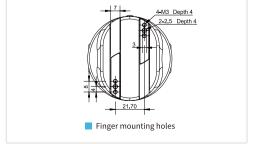
Fz	150 N	ı
1 4	1001	4

Allowable L	oading Moment
Mx	2.5 N⋅m
Му	2 N·m
Mz	3 N⋅m

- *① 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 contact us.
 *② Requires external communication convertor or customization, pleass contact sales or technical support.
 *② When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.







PGC-140-50

I/O(NN): NPN/NPN I/O(PP): PNP/PNP I/O(NP): NPN/PNP I/O(PN): PNP/NPN

00

Robot

Cable

UR CB

SIASUN

URE

Elite CS Hanwha A DOBOT Nova

DOBOT CR

Selection Method Gripping Stroke Cable Communication Cable **Fingertip** Robot **FLange** Brake Other Serie Force Direction Cable **Protocol** Selection Selection selection **PGC** 140 **50** S **M1** 00 0 Without LX Extend Cable M1 Modbus (RS485)+I/O (NN) 1m Cable 0 Without USB to RS-485 Converter M2 Modbus (RS485)+I/O (PP) L3 3m Cable M3 Modbus (RS485)+I/O (NP) L5 5m Cable F1 Standard Flange Standard **4** USB to RS-485 Converter J1 Fingertip M4 Modbus (RS485)+I/O (PN) **L10** 10m Cable **W** With Brake Table Below ★① Note: 06 ROKAE SR ROKAE ER

03 ELEPHANT

02 AUBO

04 JAKA

05 TECHMAN 07 DOBOT MG400

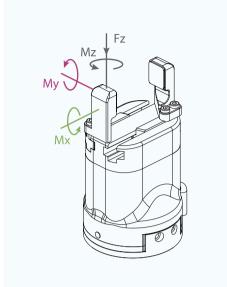
09 Doosan A | 11 Elite EC | 13 Neuromeka

10 Doosan M | 12 Han's | 14 FAIRINO | 16 UF x Arm | 17 ROKAE CR

15 Hanwha HCR

^{*(§)} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Product Parame	eter	
Gripping force (p	erjaw)	40~140 N
Stroke		50 mm
Recommended w	vorkpiece weight*®	3 kg
Opening/closing	time	0.75s
Repeat accuracy	(position)	\pm 0.03 mm
Noise emission		< 50 dB
Weight		1 kg
Driving method	Precise planetary gear	s + Rack and pinion
Size	138.5 mm	x 75 mm x 75 mm



Working Environment

Communication interface		dard: Modbus RTU (RS485), Digital I/O ISB2.0, CAN2.0A, PROFINET, EtherCAT *®
Rated voltage		24 V DC \pm 10%
Current		0.4 A (Rated)/ 1.2 A (Peak) **
Rated Power		9.6 W
IP class		IP 67
Recommended	environment	0~40°C, under 85% RH
Certification		CE, FCC, RoHS

\odot	
Build-in Controller	













\bigcirc Self-locking Mechanism

Static Vertical Allowable Load

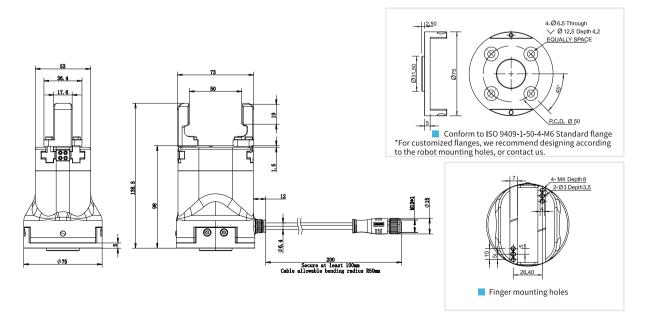
Fz	300 N
1 4	300 11

Allowable Lo	bading Moment
Mx	7 N⋅m
Му	7 N⋅m
Mz	7 N⋅m

*② 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 contact us.
*③ Requires external communication convertor or customization,

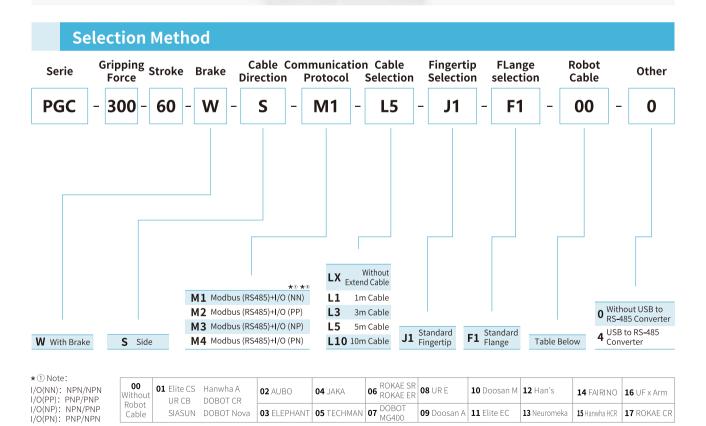
pleass contact sales or technical support.

*@ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.



PGC-300-60

PESSCA Winner 2021 PROPERTY TO ANY ARCHITECTURE AND ARCH



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Product Parameter	
Gripping force (per jaw)	80~300 N
Stroke	60 mm
Recommended workpiece w	eight*® 6 kg
Opening/closing time	0.8 s/0.8 s
Repeat accuracy (position)	\pm 0.03 mm
Noise emission	< 50 dB
Weight	1.5 kg
Driving metho∄recise planet	ary gears + Rack and pinion
Size	178 mm x 90 mm x 90 mm

Working Envir	onment	
Communication interface		ard: Modbus RTU (RS485), Digital I/O BB2.0, CAN2.0A, PROFINET, EtherCAT *®
Rated voltage		24 V DC \pm 10%
Current		0.4 A (Rated)/ 2 A (Peak)*®
Rated Power		9.6 W
IP class		IP 67
Recommended	environment	0~40°C, under 85% RH
Certification		CE, FCC, RoHS

\odot	
Build-in Controller	



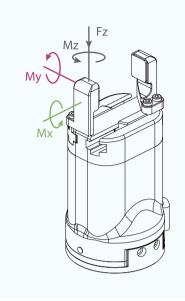












Static Vertical Allowable Load

Fz 60	0	Ν
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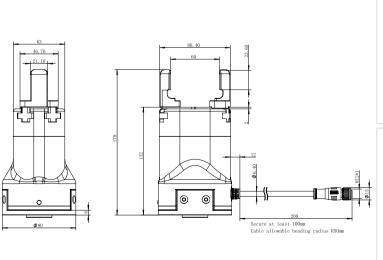
Allowable Loading Moment

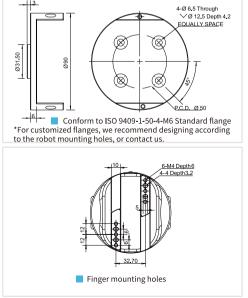
Mx	15 N·m
Му	15 N·m
Mz	15 N⋅m

*② 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 contact us.
*③ Requires external communication convertor or customization,

pleass contact sales or technical support.

*① When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.





AG Series Cold and 2019 Cold a

AG-160-95 AG-105-145 DH-3

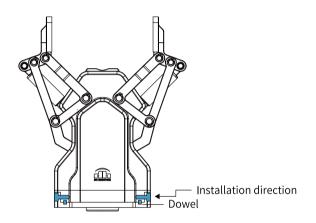


The AG series is a linkage-type adaptive electric gripper which is independently developed by DH-Robotics. With Plug& Play software many and exquisite structural design, AG series is a perfect solution to be applied with collabrative robots to grip work-pieces with different shapes in different industries.



Installation

1. Bottom installation : use bottom screw holes for installation



Product Features

Envelope Adaptive Capture

The gripper linkage mechanism supports envelope adaptive grasping, which is more stable to grip round, spherical or special-shaped objects.

Plug & Play

It supports plug & play with most collaborative robot brands on the market which is easier to control and program.

Long Stroke

The biggest stroke of the AG series is up to 145 mm. One gripper can meet the grasping needs of objects of different sizes with good compatibility.

Application

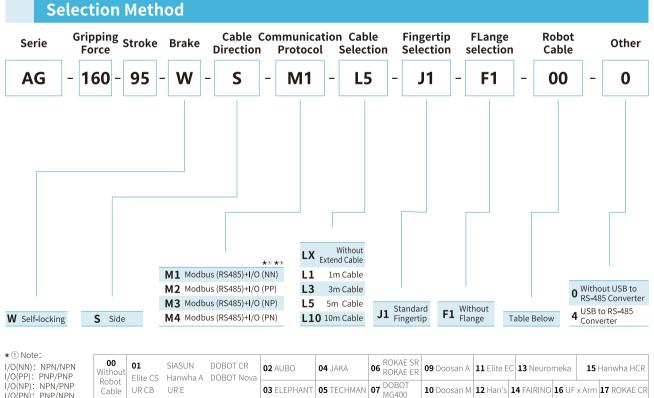
Cooperate with collaborative robot or industrial robot to complete material handling, loading and unloading, assembly, testing, sorting and other tasks in auto parts, automation equip ment, new energy and other industries.





I/O(PN): PNP/NPN





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Product Parameter		
Gripping force (per jaw)		45~160 N
Stroke		95 mm
Recommended workpie	ece weight*®	3 kg
Opening/closing time		0.9 s/0.9 s
Repeat accuracy (positi	on)	\pm 0.03 mm
Noise emission		< 60 dB
Weight		1 kg
Driving method	Screw drive + Li	nkage system
Size	184.6 mm x 162.3	3 mm x 67 mm

|--|

Working Environment

WOIKING ENVIR	Jiiiiciic		
Communication interface		dard: Modbus RTU (RS485), Digital I/O JSB2.0, CAN2.0A, PROFINET, EtherCAT *	3)
Rated voltage		24 V DC \pm 10%	
Current		0.8 A (Rated)/ 1.5 A (Peak)**	9
Rated Power		19.2 W	
IP class		IP 54	
Recommended	environment	0~40°C, under 85% RH	
Certification		CE, FCC, RoHS	

\odot	
Build-in Controller	













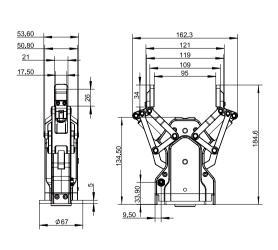
Static Vertical Allowable Load

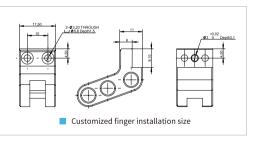
Fz	200 N
ΓZ	300 N

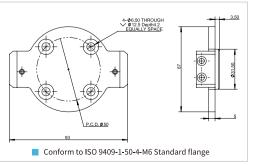
Allowable Loading Moment

Mx	4.75 N·m
Му	4.75 N·m
Mz	4.75 N·m

*② 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 contact us.
*③ Requires external communication convertor or customization, pleass contact sales or technical support.
*④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.









Selection Method Gripping Force Stroke Cable Communication Cable **Fingertip** Robot **FLange** Serie Brake Other Direction Selection Cable **Protocol** Selection selection AG 105 - 145 S 00 0 LX Extend Cable Without M1 Modbus (RS485)+I/O (NN) L1 1m Cable **0** Without USB to RS-485 Converter M2 Modbus (RS485)+I/O (PP) L3 3m Cable M3 Modbus (RS485)+I/O (NP) L5 5m Cable J1 Standard Fingertip F1 Standard Flange 4 USB to RS-485 Converter M4 Modbus (RS485)+I/O (PN) **L10** 10m Cable W Self-locking **S** Side Table Below

★ ∪ Note.							DOMATOD				
I/O(NN): NPN/NPN	00	01	SIASUN	DOBOT CR	02 AUBO	O4 JAKA	06 ROKAE SR	09 Doosan A	11 Elite EC	13 Neuromeka	15 Hanwha HCR
I/O(PP): PNP/PNP	Without	Elite CS	Hanwha A	DOBOT CR DOBOT Nova			RUNALER				
I/O(NP): NPN/PNP					03 ELEPHANT	OF TECHNANI	OZ DOBOT	10 D M	10 1	4 ENDING 16 II	5 A 17 DOKAE CD
I/O(PN): PNP/NPN	Cable	UR CB	URE		U3 ELEPHANT	US TECHNIAN	MG400	10 Doosan M	12 Han S 1	.4 FAIRINO 16 U	F x Arm 17 ROKAE CR

^{*(§)} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Product Parameter		
Gripping force (per jaw)	35~105 N
Stroke		145 mm
Recommended workpi	ece weight *®	2 kg
Opening/closing time		0.9 s/0.9 s
Repeat accuracy (posit	ion)	\pm 0.03 mm
Noise emission		< 60 dB
Weight		1.3 kg
Driving method	Screw drive +	Linkage system
Size	203.9 mm x 21	2.3 mm x 67 mm

Working Environ	ment
Communication interface	标配: Modbus RTU (RS485)、Digital I/O 选配: TCP/IP、USB2.0、CAN2.0A、PROFINET、EtherCAT *®
Rated voltage	24 V DC \pm 10%
Current	0.8 A (Rated)/ 1.5 A (Peak) **
Rated Power	19.2 W
IP class	IP 54
Recommended er	vironment 0~40°C, under 85% RH
Certification	CE, FCC, RoHS

\odot	
Build-in Controller	



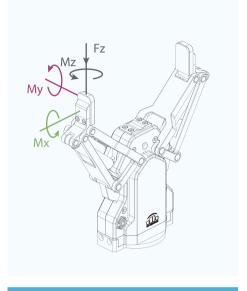












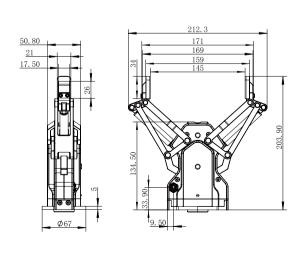
Static Vertical Allowable Load

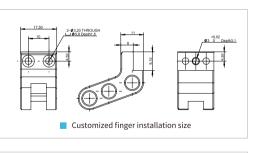
E-7	200 N
Fz	300 N

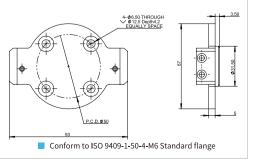
Allowable Loading Moment

Mx	1.95 N·m
Му	1.95 N⋅m
Mz	1.95 N·m

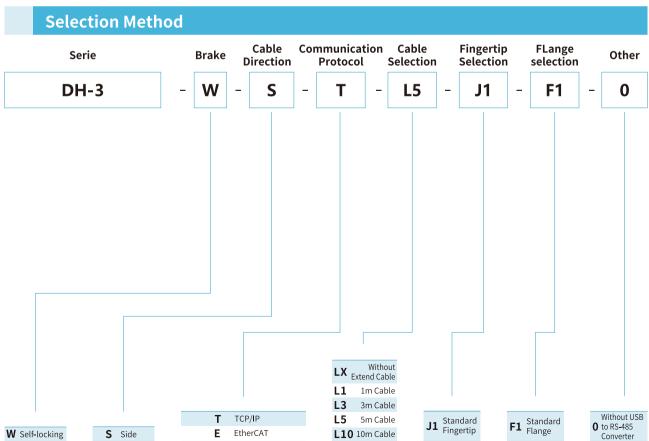
*② It depends on the shape of the grasping object, the material and friction of the contact surface, and the acceleration of the motion, If you have any questions, please contact us.
*③ Requires external communication convertor or customization, pleass contact sales or technical support.
*④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.











Product Parameter		
Gripping force (per ja	aw)	10~65 N
Stroke	106 mm (parallel)	122 mm (centric)
Recommended work	ĸpiece weight *®	1.8 kg
Opening/closing tim	e	0.7 s/0.7 s
Repeat accuracy (po	sition)	\pm 0.03 mm
Noise emission		< 60 dB
Weight		1.68 kg
Driving method		Screwnut+geardrive +linkagemechanism
Size	213.5 mm x 1	.70 mm x 118 mm

Working Environment	
Communication interface	Standard: TCP/IP, USB2.0, CAN2.0A Optional: EtherCAT *®
Rated voltage	24 V DC \pm 10%
Current	0.5 A (Rated)/ 1 A (Peak)*®
Rated Power	12 W
IP class	IP 40
Recommended environment	0~40°C, under 85% RH
Certification	CE, FCC, RoHS





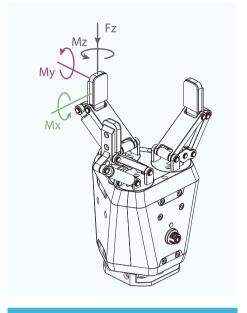












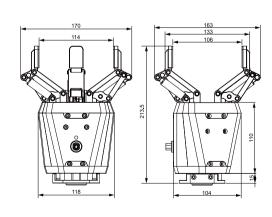
Static Vertical Allowable Load

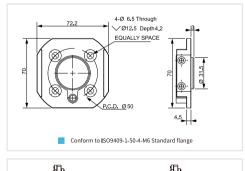
Fz	150 N
ΓZ	150 N

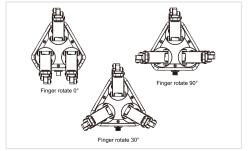
Allowable Loading Moment

Mx	2.5 N·m
Му	2 N·m
Mz	3 N·m

*① 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 contact us.
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*③ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.







CG Series Electric Centric Gripper

CGE-10-10 CGI-100-170 CGC-80-10

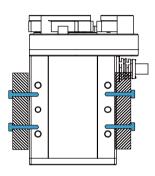


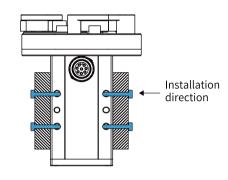
The CG series is a three-finger centric gripper independently developed by DH-Robotics. The three-finger gripping method can better cope with the grasping task of cylindrical workpieces. The CG series is avail able in a variety of models for a variety of scenarios, stroke and end devices.

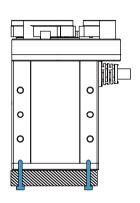


Installation

- 1. Front and rear installation: use front and rear screw holes for installation
- 2. Side installation: use side screw holes for installation
- 3. Bottom installation : use bottom screw holes for installation







Product Features

High Performance

Realize high-precision centering and grasping, the process structure meets the requirements of high rigidity, and the energy density exceeds that of similar products.

Long Lifetime

Continuous and stable work above 10 millions times without maintenance.

Overload Protection

The high-performance servo motor can provide instantaneous overload protection.

Application

Accurate and stable grasping of cylindrical workpieces in the fields of auto parts, automation equipment, precision machining and assembly, etc.



I/O(PN): PNP/NPN



Selection Method Gripping Stroke Cable Communication Cable **Fingertip** Robot Other **FLange** Brake Serie Force Direction Cable **Protocol** Selection Selection selection **CGE** 10 10 S **M1** L5 **JO** F₀ 00 0 Without LX Extend Cable M1 Modbus (RS485)+I/O (NN) 1m Cable O Without USB to RS-485 Converter M2 Modbus (RS485)+I/O (PP) L3 3m Cable M3 Modbus (RS485)+I/O (NP) L5 5m Cable J0 Without Fingertip FO Without Flange Without Brake 4 USB to RS-485 Converter 0 **S** Side M4 Modbus (RS485)+I/O (PN) **L10** 10m Cable Table Below ★① Note: 06 ROKAE SR ROKAE ER I/O(NN): NPN/NPN I/O(PP): PNP/PNP 00 01 SIASUN DOBOT CR 02 AUBO 04 JAKA 09 Doosan A | 11 Elite EC | 13 Neuromeka 15 Hanwha HCR Without Elite CS Hanwha A DOBOT Nova 03 ELEPHANT 05 TECHMAN 07 DOBOT MG400 UR CB URE **10** Doosan M | **12** Han's | **14** FAIRINO | **16** UF x Arm | **17** ROKAE CR Cable

^{*} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

PGS Series

Parameters

Product Parameter	
Gripping force (per jaw)	3~10 N
Stroke	10 mm
Recommended workpiece w	reight*® 0.1 kg
Opening/closing time	0.3 s/0.3 s
Repeat accuracy (position)	\pm 0.03 mm
Noise emission	< 50 dB
Weight	0.43 kg
Driving method	Precise planetary gear reducer + Rack and pinion
Size	94 mm x 53.5 mm x 38 mm

|--|

Working Environment

WOIKING LIIVII	omment		
Communication interface		dard: Modbus RTU (RS485), D JSB2.0, CAN2.0A, PROFINET, E	
Rated voltage		24 V DC ±	= 10 %
Current		0.3 A (Rated)/ 0.6 A (Peak)*®
Rated Power			7.2 W
Recommended	environment	0~40°C, under 85	5% RH
Certification		CE, FCC,	RoHS

\odot	
Build-in	
Controller	











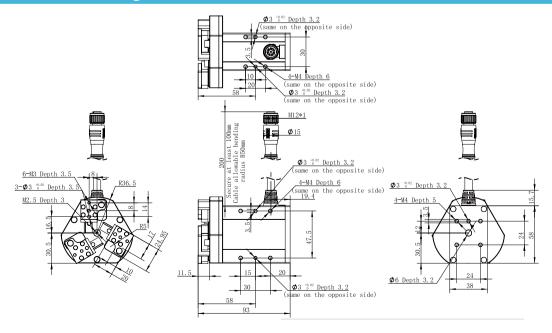
Static Vertical Allowable Load

Fz	150 N

Allowable Loading Moment

Mx	0.62 N·m
Му	0.62 N·m
Mz	0.62 N·m

*② 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 contact us.
*③ Requires external communication convertor or customization, pleass contact sales or technical support.
*④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.



I/O(NN): NPN/NPN

I/O(PP): PNP/PNP I/O(NP): NPN/PNP

I/O(PN): PNP/NPN

01

UR CB

Elite CS Hanwha A DOBOT Nova

URE

Without

Robot

Cable



Selection Method Gripping Stroke Brake **Cable Communication Cable Fingertip** Robot **FLange** Other Serie Direction Cable **Protocol** Selection Selection selection CGI 100 - 170 S **M1** F₀ 00 0 Without LX Extend Cable M1 Modbus (RS485)+I/O (NN) L1 1m Cable FO Without Flange O Without USB to RS-485 Converter M2 Modbus (RS485)+I/O (PP) L3 3m Cable O Without Brake M3 Modbus (RS485)+I/O (NP) L5 5m Cable J1 Standard Fingertip F1 Standard Fingertip 4 USB to RS-485 Converter M4 Modbus (RS485)+I/O (PN) **L10** 10m Cable **S** Side Table Below \boldsymbol{W} With Brake ★① Note: 06 ROKAE SR ROKAE ER SIASUN DOBOT CR

02 AUBO

O4 JAKA

03 ELEPHANT 05 TECHMAN 07 MG400

09 Doosan A 11 Elite EC 13 Neuromeka

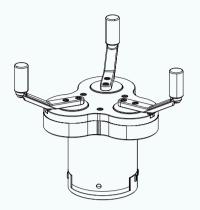
10 Doosan M | **12** Han's | **14** FAIRINO | **16** UF x Arm | **17** ROKAE CR

15 Hanwha HCR

^{*(§)} It is recommended that no more than 4 units of DH-Robotics products be accessed on a single 485 bus, otherwise 485 communication anomalies may occur. If you need to access more than 4 devices, it is recommended to contact the sales staff for product adjustment.

Product	Parameter	
Gripping	force (per jaw)	30~100 N
Recommend diameter (inv	ed workpiece vard)	Ф40~Ф170 mm
Recomm	ended workpiece weigh	t*® 1.5 kg
Opening/	closing time	1.35 s
Repeat accuracy (position)		\pm 0.03 mm
Noise emission		< 50 dB
Weight		1.5 kg
		Precise planetary gears + Rack and pinion
Size	158.4 mm x 124.35 mm x 116 mm (without brake/with brake, same size)

Work	king Envir	onment	
Commi interfac	unication ce		dard: Modbus RTU (RS485), Digital I/O JSB2.0, CAN2.0A, PROFINET, EtherCAT *®
Rate	d voltage		24 V DC \pm 10%
Curre	ent		0.4 A (Rated)/ 1 A (Peak)*®
Rate	d Power		9.6 W
IP cla	ISS		IP 40
Reco	mmended	environment	0~40°C, under 85% RH
Certi	fication		CE, FCC, RoHS
			·



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.





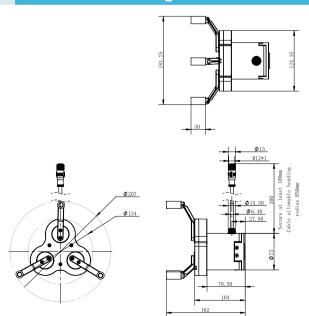


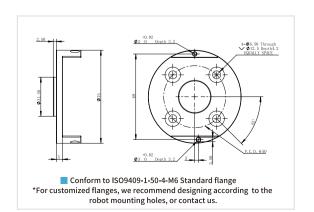






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*④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.





Cable

I/O(PN): PNP/NPN



Selection Method Gripping Stroke Cable Communication Cable **Fingertip** Robot **FLange** Other Serie **Brake** Force Direction Cable **Protocol** Selection Selection selection **CGC** 80 10 S **M1** 00 0 Without LX Extend Cable M1 Modbus (RS485)+I/O (NN) 1m Cable M2 Modbus (RS485)+I/O (PP) O Without USB to RS-485 Converter L3 3m Cable M3 Modbus (RS485)+I/O (NP) L5 5m Cable J1 Standard Fingertip F1 Standard 4 USB to RS-485 Converter **W** With Brake **S** Side M4 Modbus (RS485)+I/O (PN) **L10** 10m Cable Table Below ★① Note: 06 ROKAE SR O9 Doosan A 11 Elite EC 13 Neuromeka 00 01 SIASUN DOBOT CR I/O(NN): NPN/NPN 02 AUBO 04 JAKA **15** Hanwha HCR Without I/O(PP): PNP/PNP I/O(NP): NPN/PNP Elite CS Hanwha A DOBOT Nova 03 ELEPHANT 05 TECHMAN 07 DOBOT MG400 UR CB URE **10** Doosan M | **12** Han's | **14** FAIRINO | **16** UF x Arm | **17** ROKAE CR

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Product Parameter	
Gripping force (per jaw)	20~80 N
Single jaw	10 mm
Recommended workpiece v	veight*® 1.5 kg
Opening/closing time	0.5 s/0.5 s
Repeat accuracy (position)	\pm 0.03 mm
Noise emission	< 50 dB
Weight	1.5 kg
Driving method	Precise planetary gear reducer + Rack and pinion
Size	141 mm x 103 mm x 75 mm

_ Fz
My
Mx

Working Environment

.		
Communication interface	Standard: Modb Optional: TCP/IP, USB2.0, CAN	ous RTU (RS485), Digital I/O N2.0A, PROFINET, EtherCAT*®
Rated voltage		24 V DC \pm 10%
Current	0.5 A (R	ated) / 1.2 A (Peak)*®
Rated Powert		12 W
IP class		IP 67
Recommended	environment 0~4	·0°C, under 85% RH
Certification		CE, FCC, RoHS

 \odot Build-in











 \otimes Self-locking Mechanism

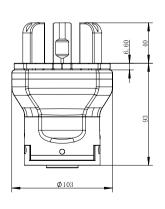
Static Vertical Allowable Load

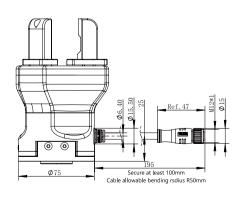
Fz	200 N

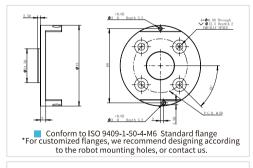
Allowable Loading Moment

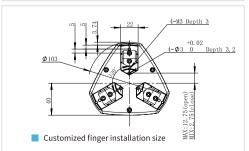
Mx	2.5 N·m
Му	2 N·m
Mz	3 N·m

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Honors and Certificates

Some of Our Certificates

















TEST REPORT

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- 1.CE Ceritficate2. IP Class Ceritficate
- 3.RoHS Ceritficate
- 4.EMC Ceritficate
-
- 5.FCC Ceritficate
- 6.Low Temperature Test Report
- 7.Intellectual Property Management System Certification

6 7

Our Customers

More than 800 customers around the world are using DH-Robotics products The number of customers continues to grow rapidly...













































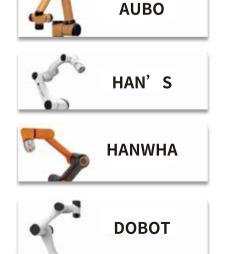






Our Eco-Partners

DH-Robotics is a high-quality partner of global collaborative robots







DH-ROBOTICS

is committed to provide first-class core components of precision motion control.

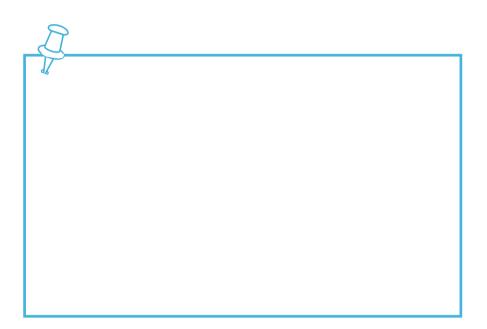


Version Change Log

Revision Date	Released Version	Change Log
2024.06	CN.2406	 New Product in the PGI Series: PGI-80-80 Added the rated parameter, the precautions for power supply selection, the precautious for 485 communication protocol PGE-2-12 & PGE-15-10 added controller diagram and grounding tips, cable length notes PGE-5-26 canceled brake PGE-100-26 added bottom cable version PGE-5-26, PGE-8-14, PGE-15-26, PGE-50,PGE-100-26 added 15 meter extend cable PGC-140-50 open/close time updated to 0.75s, peak current updated to 1.2A, drawing updated CGC-80-10 open/close time updated to 0.5s, rated current update to 0.5A, peaked current updated to 1.2A, added 01 robot cable PGS-5-5 cable updated to L1,L5, added controller diagram CGE-10-10 product iteration, product structure updated, drawing updated Notes on optional communication protocol updated PGS-5-5 added external diagram RGD Series added parameter table of rotational time in place for different inertia loads CGC-80-10 added 01 robot cable
2024.03	CN.2403	 Update CGI-100-17 with a new open/close time of 1.35s. Remove cable configuration option LX from PGSE-15-7. Update the short line sequence number of the Lushi robot CR series to 17.

Due to continuous product upgrades, content changes may occur without prior notice. All rights reserved @ DH-Robotics Technology Co., Ltd.





DH-Robotics Technology Co.,Ltd.





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