

CG Series Electric Centric Gripper

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

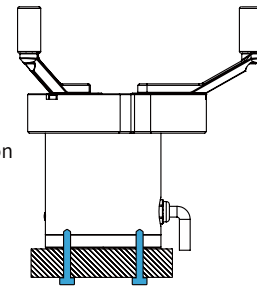
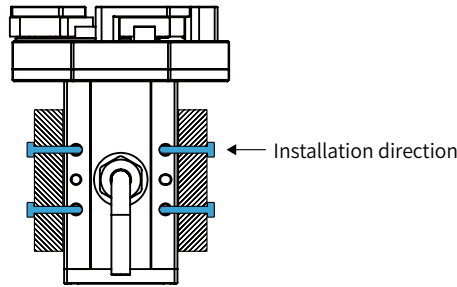
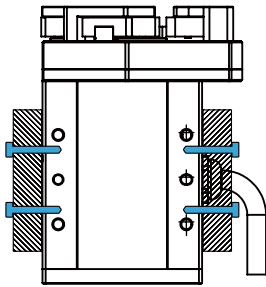


The CG series is a three-finger centric gripper independently developed by DH-Robotics. The three-finger gripping method can better cope with the grasping task of cylindrical workpieces. The CG series is available in a variety of models for a variety of scenarios, stroke and end devices.



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.



Parameters

Product Parameter	
Gripping force (per jaw)	30~100 N
Recommended workpiece diameter (inward)	φ40~φ170 mm
Recommended workpiece weight *	1.5 kg
Opening/Closing time	0.5 s/0.5 s
Repeat accuracy (position)	± 0.03 mm
Noise emission	< 50 dB
Weight	1.5 kg
Driving method	Precise planetary gears + Rack and pinion
Size	156.5 mm x 124.35 mm x 116 mm
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 ± 10%
Rated current	0.4 A
Peak current	1 A
IP class	IP 40
Recommended environment	0~40°C, under 85% RH
Certification	CE, FCC, RoHS
<input checked="" type="checkbox"/> Build-in Controller	<input checked="" type="checkbox"/> Gripping Force Adjustable
<input checked="" type="checkbox"/> Position Adjustable	<input checked="" type="checkbox"/> Speed Adjustable
<input checked="" type="checkbox"/> Drop Detection	<input checked="" type="checkbox"/> Self-locking Mechanism



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.

*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.

Technical Drawings

