

PGE-2-12

Slim-type electric parallel gripper

DH-ROBOTICS

Gripping force

Stroke

0.8~2 N

12 mm

Mechanical specifications

Recommended workpiece weight*	0.05 kg
Repeat accuracy (positioning)	± 0.02 mm
Opening/closing time	0.2 s/0.2 s
Driving method	Rack and pinion + Cross roller guide
Weight	0.15 kg
Noise emission	< 40 dB
Controller Electronics	Split type

Electrical specifications

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

Rated voltage 24 V DC $\pm 10\%$

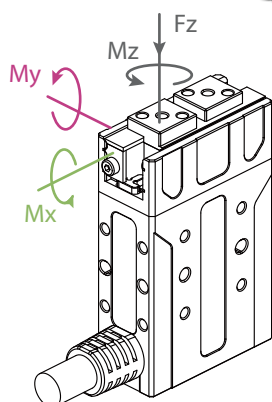
Rated current 0.2 A

Peak current 0.5 A

IP class IP 40

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

*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.



Allowable vertical load (static)

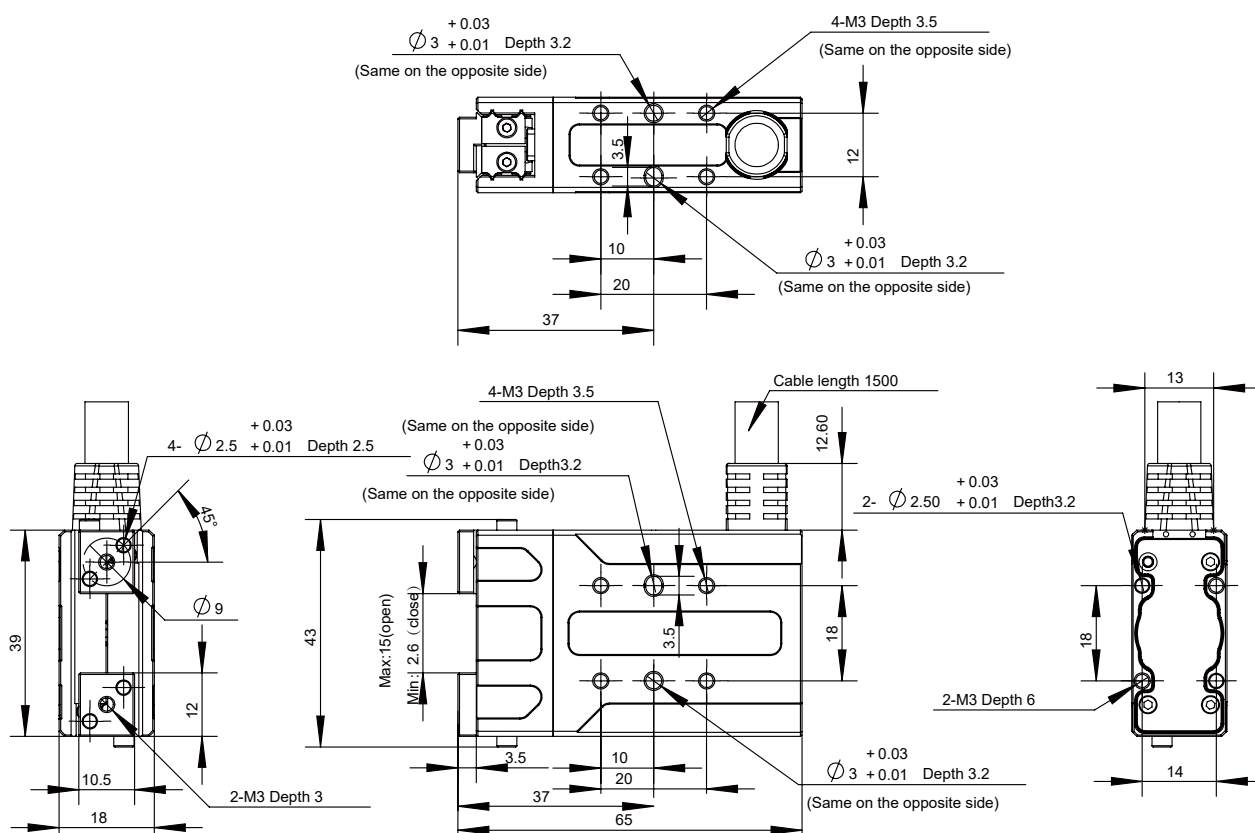
Fz: 35 N

Allowable vertical load (static)

Mx: 0.2 N·m

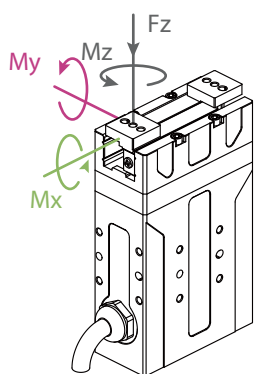
My: 0.17 N·m

Mz: 0.2 N·m



PGE-5-26

Slim-type electric parallel gripper



Allowable vertical load (static)

Fz: 50 N

Allowable vertical load (static)

Mx: 0.3 N · m

My: 0.25 N · m

Mz: 0.3 N · m

DH-ROBOTICS

Gripping force

0.8~5 N

Stroke

26 mm

Mechanical specifications

Recommended workpiece weight* 0.1 kg

Repeat accuracy(gripping) ± 0.3 N

Repeat accuracy (positioning) ± 0.02 mm

Opening/closing time 0.2 s/0.2 s

Driving method Rack and pinion + Cross roller guide

Weight 0.4 kg

Noise emission < 40 dB

Electrical specifications

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

Rated voltage 24 V DC $\pm 10\%$

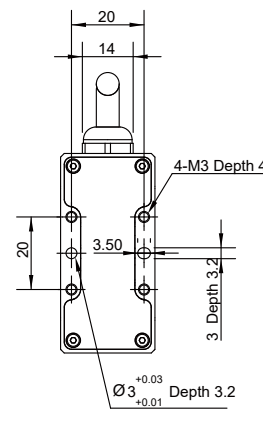
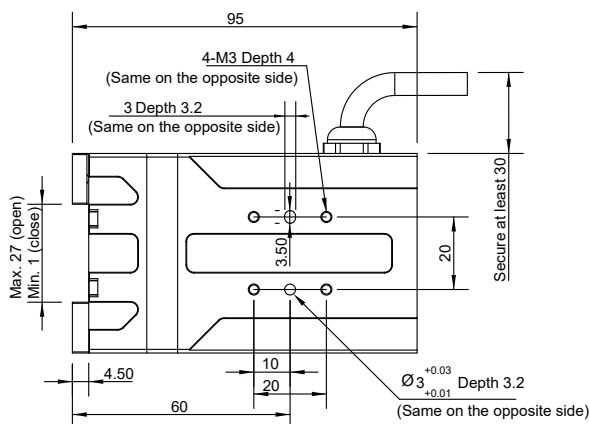
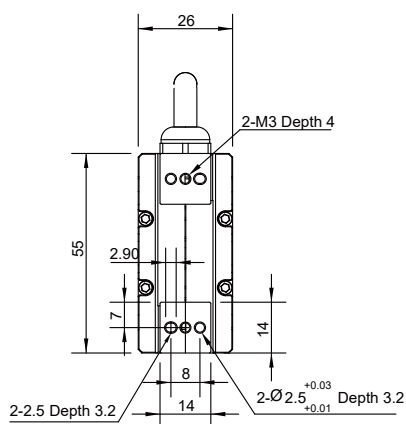
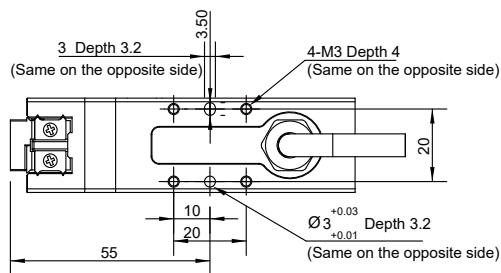
Rated current 0.4 A

Peak current 0.7 A

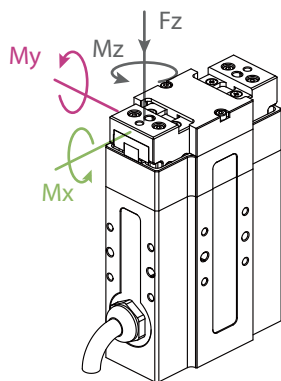
IP class IP 40

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

*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.



Slim-type electric parallel gripper

Allowable vertical
load (static)

Fz: 90 N

Allowable vertical
load (static)

$M_x:$ 0.55 N · m

My: 0.45 N · m

Mz: 0.55 N · m

■ Gripping force

2~8 N

Stroke

14 mm

■ Mechanical specifications

Recommended workpiece weight*	0.1 kg
Repeat accuracy(gripping)	± 0.3 N
Repeat accuracy (positioning)	± 0.02 mm
Opening/closing time	0.2 s/0.2 s
Driving method	Rack and pinion + Linear guide
Weight	0.4 kg
Noise emission	< 40 dB

■ Electrical specifications

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%
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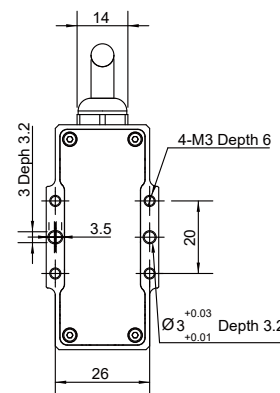
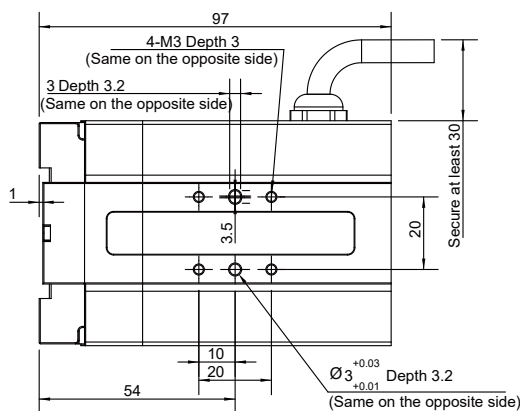
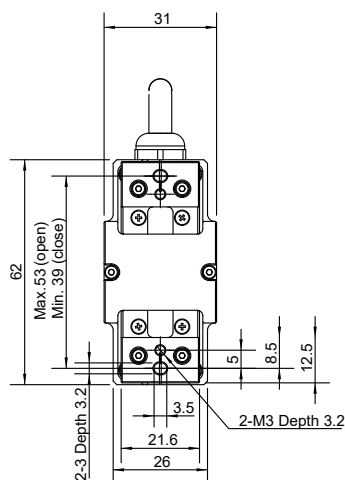
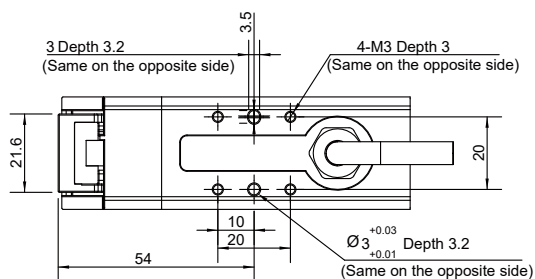
Rated current	0.4 A
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Peak current	0.7 A
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IP class	IP 40
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Recommended environment 0~40°C, under 85% RH

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PGE-15-26

Slim-type electric parallel gripper

DH-ROBOTICS

Gripping force

Stroke

6~15 N

26 mm

Mechanical specifications

Recommended workpiece weight*	0.25 kg
Repeat accuracy (positioning)	± 0.02 mm
Opening/closing time	0.4 s/0.4 s
Driving method	Precise planetary gears + Rack and pinion + Cross roller guide
Weight	0.33 kg
Noise emission	< 40 dB

Electrical specifications

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

Rated voltage 24 V DC ± 10%

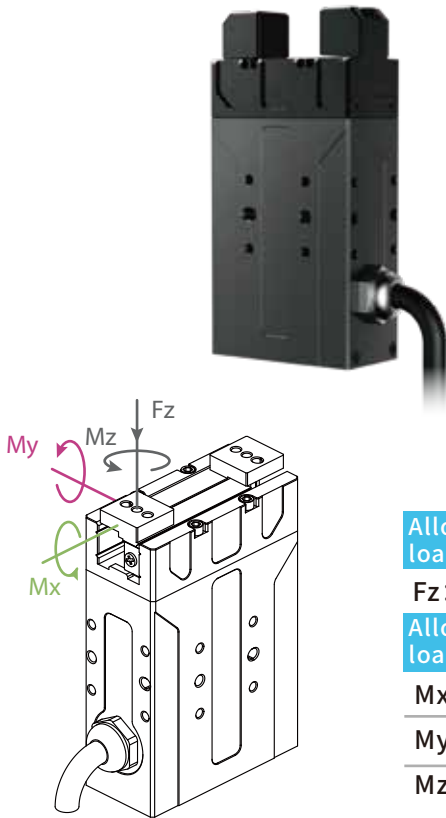
Rated current 0.25 A

Peak current 0.5 A

IP class IP 40

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

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Allowable vertical load (static)

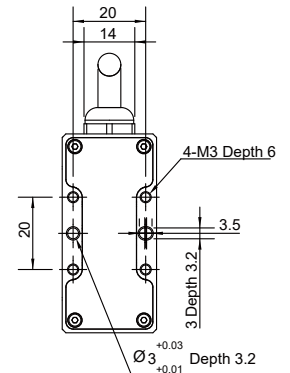
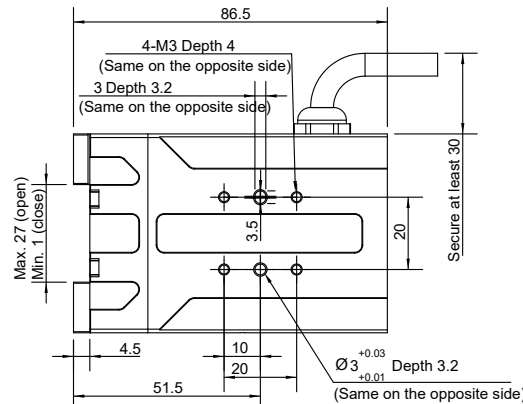
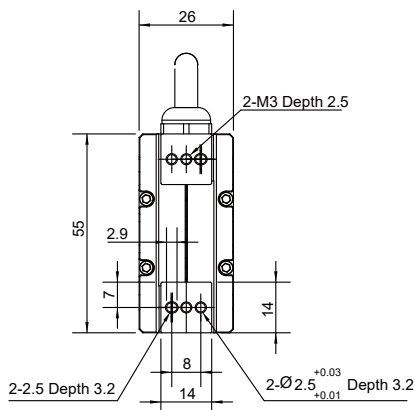
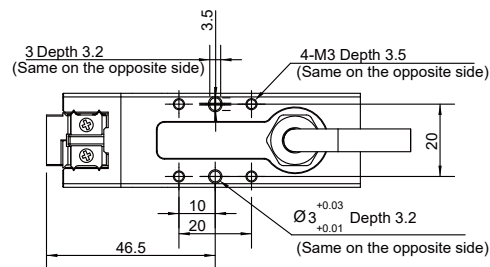
Fz: 70 N

Allowable vertical load (static)

Mx: 0.9 N · m

My: 0.75 N · m

Mz: 0.9 N · m



PGE-15-10

Slim-type electric parallel gripper

DH-ROBOTICS

Gripping force

Stroke

6~15 N

10 mm

Mechanical specifications

Recommended workpiece weight* 0.25 kg

Repeat accuracy (positioning) ± 0.01 mm

Opening/closing time 0.25 s/0.25 s

Driving method Precise planetary gears + Rack and pinion + Cross roller guide

Weight 0.155 kg

Noise emission < 40 dB

Controller Electronics Split Type

Electrical specifications

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

Rated voltage 24 V DC $\pm 10\%$

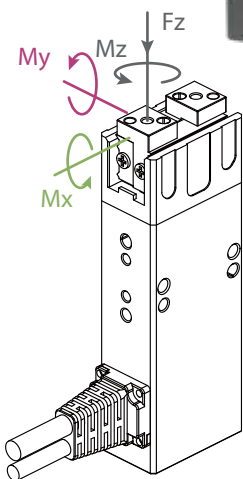
Rated current 0.1 A

Peak current 0.22 A

IP class IP 40

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

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Allowable vertical load (static)

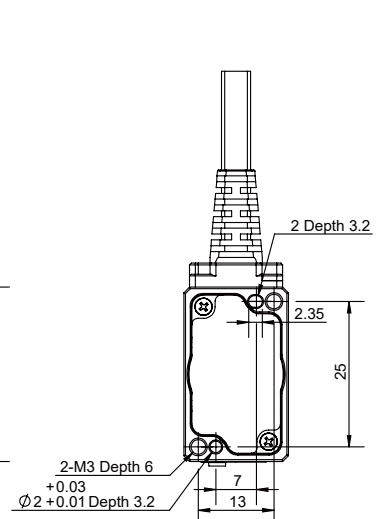
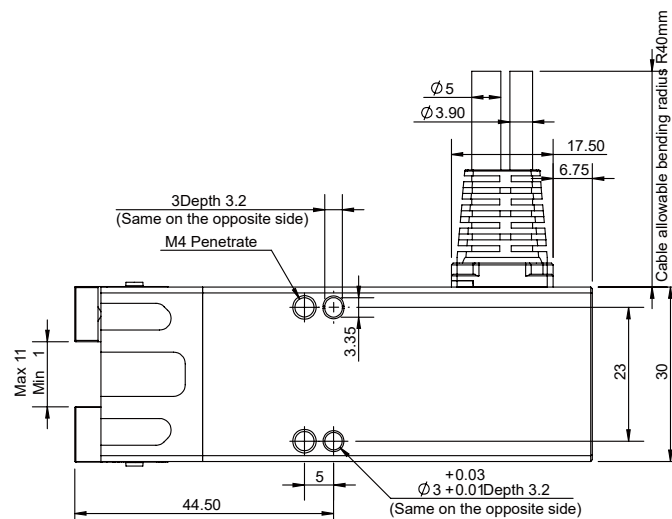
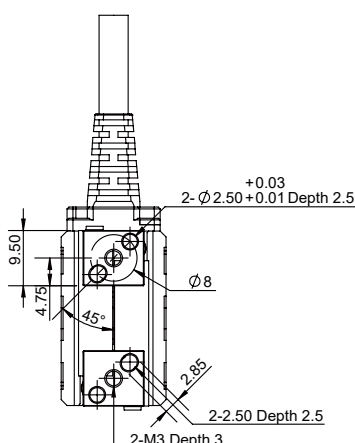
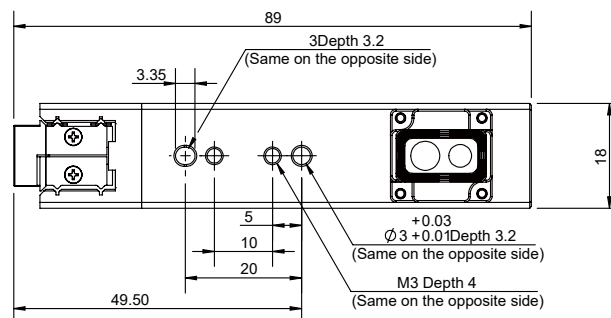
Fz: 35 N

Allowable vertical load (static)

Mx: 0.45 N·m

My: 0.4 N·m

Mz: 0.45 N·m



PGE-50-26

Slim-type electric parallel gripper

DH-ROBOTICS

Gripping force

Stroke

15~50 N

26 mm

Mechanical specifications

Recommended workpiece weight*	1 kg
Repeat accuracy (positioning)	± 0.02 mm
Opening/closing time	0.3 s/0.3 s
Driving method	Precise planetary gears + Rack and pinion + Cross roller guide
Weight	0.4 kg
Noise emission	< 40 dB

Electrical specifications

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

Rated voltage 24 V DC ± 10%

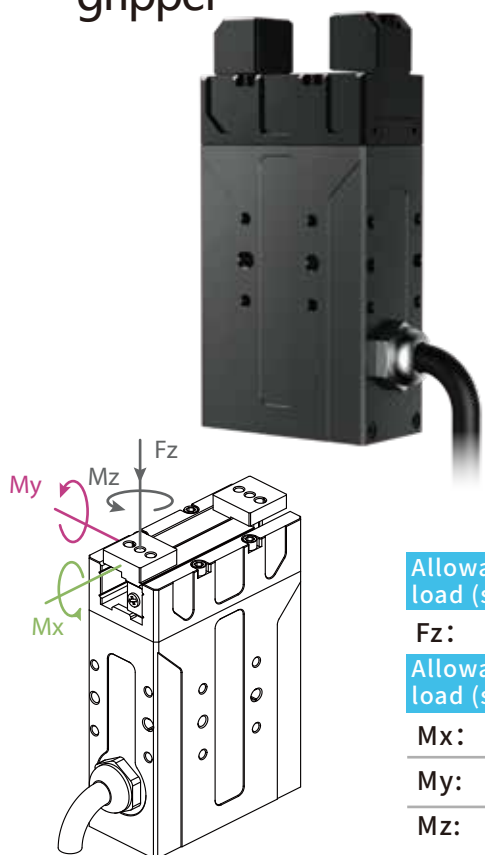
Rated current 0.25 A

Peak current 0.5 A

IP class IP 40

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

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Allowable vertical load (static)

Fz: 150 N

Allowable vertical load (static)

Mx: 2.5 N·m

My: 2 N·m

Mz: 3 N·m

