

Electric Parallel Grippers

EIG3-10010 3-Finger

EIG is an electric 3-finger parallel gripper that is equipped with two symmetrically parallel fingers.

Advantages

- Compact size
- Slim rectangular body with five installation positions for flexible mounting
- Grip control: force and position adjustment
- Quick open/close time with speed adjustment
- Grip feedback and part detection: gripper status can be read at the PLC/Controller and visualized on the unit via LED's
- Multiple communication modes: the gripper supports Modbus RTU protocol and IO mode control. Other protocols such as USB and ETHERNET can be implemented through a protocol converter.
- Grip actuation via embedded controller.



SPECIFICATIONS

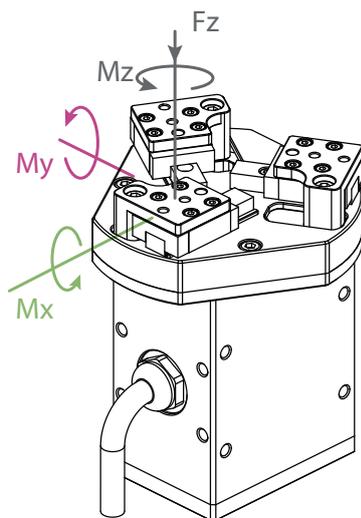
Model	Stroke per Jaw	Gripping Force per Jaw	Total Gripping Force	Opening/ Closing Time	Nominal Voltage	Nominal Current	Max Current	Repeatability (Positioning)	Recommended Workpiece Weight*	Weight
EIG3-10010	10 mm 0.39 in	3 - 10 N 0.67 - 2.25 lb	9 - 30 N 2.02 - 6.74 lb	0.3 / 0.3 s	24 V DC ± 10%	0.30 A	0.60 A	± 0.03 mm ± 0.001 in	0.1 kg 0.22 lb	0.43 kg 0.98 lb

* Recommended workpiece weight depends on the shape of the part, the material and friction of the contact surface and the acceleration of the motion.

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

IP Protection Class **IP 40**
Noise Emission (Sound Pressure) ≤ 40 dB(A) in any direction
Recommended operating environment **0-40 °C (32-104 °F), < 85% RH**

For this type of gripper the use of the standard fingers is recommended.



Allowable vertical load (static)

Fz 150 N (33.72 lb)

Allowable moment (static)

Mx 0.62 Nm (5.49 in-lb)

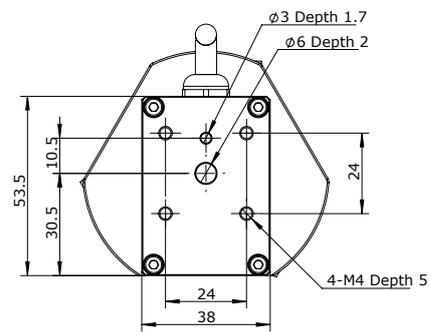
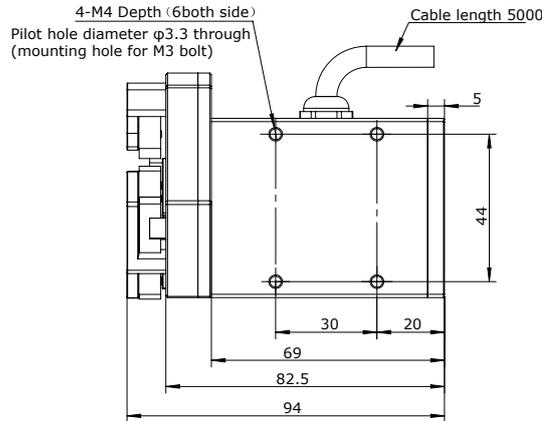
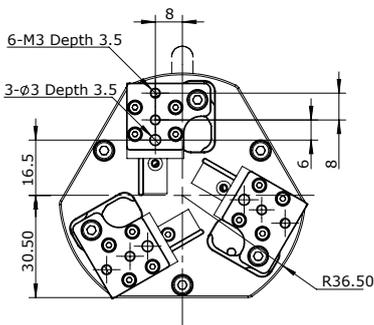
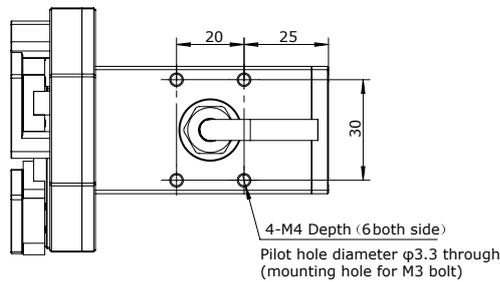
My 0.62 Nm (5.49 in-lb)

Mz 0.62 Nm (5.49 in-lb)



PRODUCT INFORMATION

EIG3-10010 3-Finger



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