

Electric Parallel Grippers

EIG2-13005 2-Finger

EIG is an electric 2-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.
- Brake locking mechanism on request.



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
EIG2-13005	13 mm 0.51 in	0.8 - 5 N 0.18 - 1.12 lb	1.6 - 10 N 0.36 - 2.24 lb	0.2 / 0.2 s	24 V DC $\pm$ 10%	0.40 A	0.70 A	$\pm$ 0.02 mm $\pm$ 0.001 in	0.10 kg 0.22 lb	0.40 kg 0.88 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.

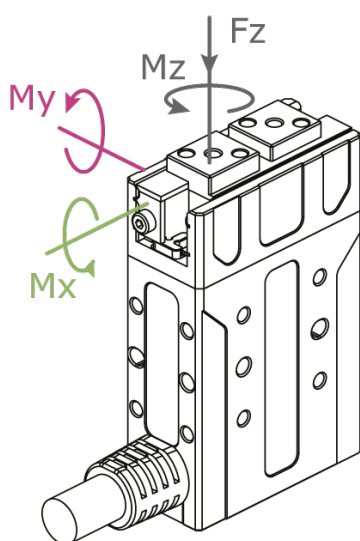
Communication Interface **Standard: Modbus RTU (RS485), Digital I/O**
Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT

IP Protection Class **IP 40**

Noise Emission (Sound Pressure) $\leq$ 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 50 N (11.24 lb)

Allowable moment (static)

Mx 0.3 Nm (2.66 in-lb)

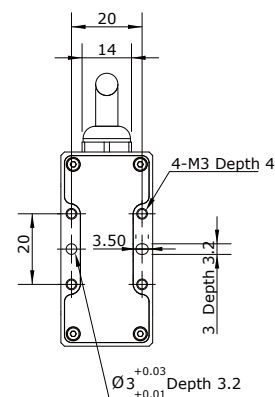
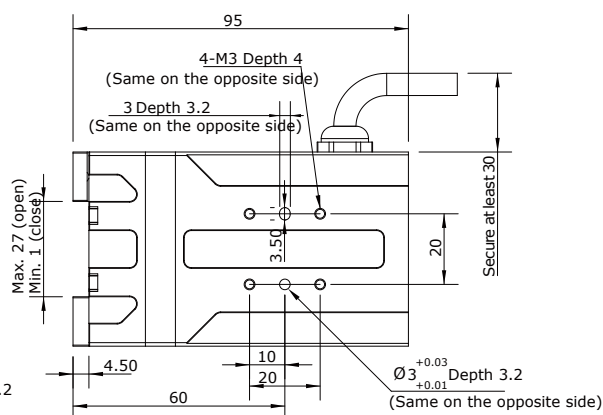
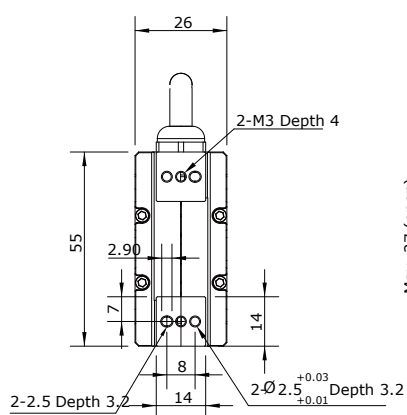
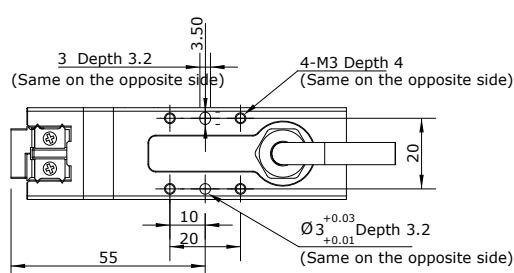
My 0.25 Nm (2.21 in-lb)

Mz 0.3 Nm (2.66 in-lb)

PRODUCT INFORMATION



02.25_Rev.03



Effecto Group S.p.A.
Via Roma, 141/143
28017 San Maurizio d'Opaglio (NO) - IT
Tel. +39 0322 96142
info@effecto.com

Effecto, Inc.
648 Saratoga Road
Glenville, NY 12302 - US
Tel. +1 518 384 1000
info@us.effecto.com

www.effecto.com

Effecto GmbH
Liegnitzer Str. 6
82194 Gröbenzell - DE
Tel. +49 8142 59397 0
info@de.effecto.com