

Electric Parallel Grippers

EIG2-13100 2-Finger

EIG is an electric 2-finger parallel gripper that is equipped with two self-centering fingers.

Advantages

- Compact size
- Slim rectangular body with five installation positions for flexible mounting
- Grip actuation via embedded controller
- 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.
- 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
EIG2-13100	13 mm 0.51 in	30 - 100 N 6.74 - 22.48 lb	60 - 200 N 13.49 - 44.96 lb	0.5 / 0.5 s	24 V DC $\pm$ 10%	0.30 A	1.20 A	$\pm$ 0.02 mm $\pm$ 0.001 in	2.00 kg 4.40 lb	0.55 kg 1.21 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.

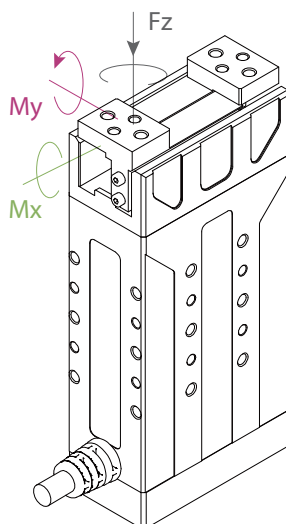
Communication Interface **Standard: Modbus RTU (RS485), Digital I/O**
Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT

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 2.5 Nm (22.13 in-lb)

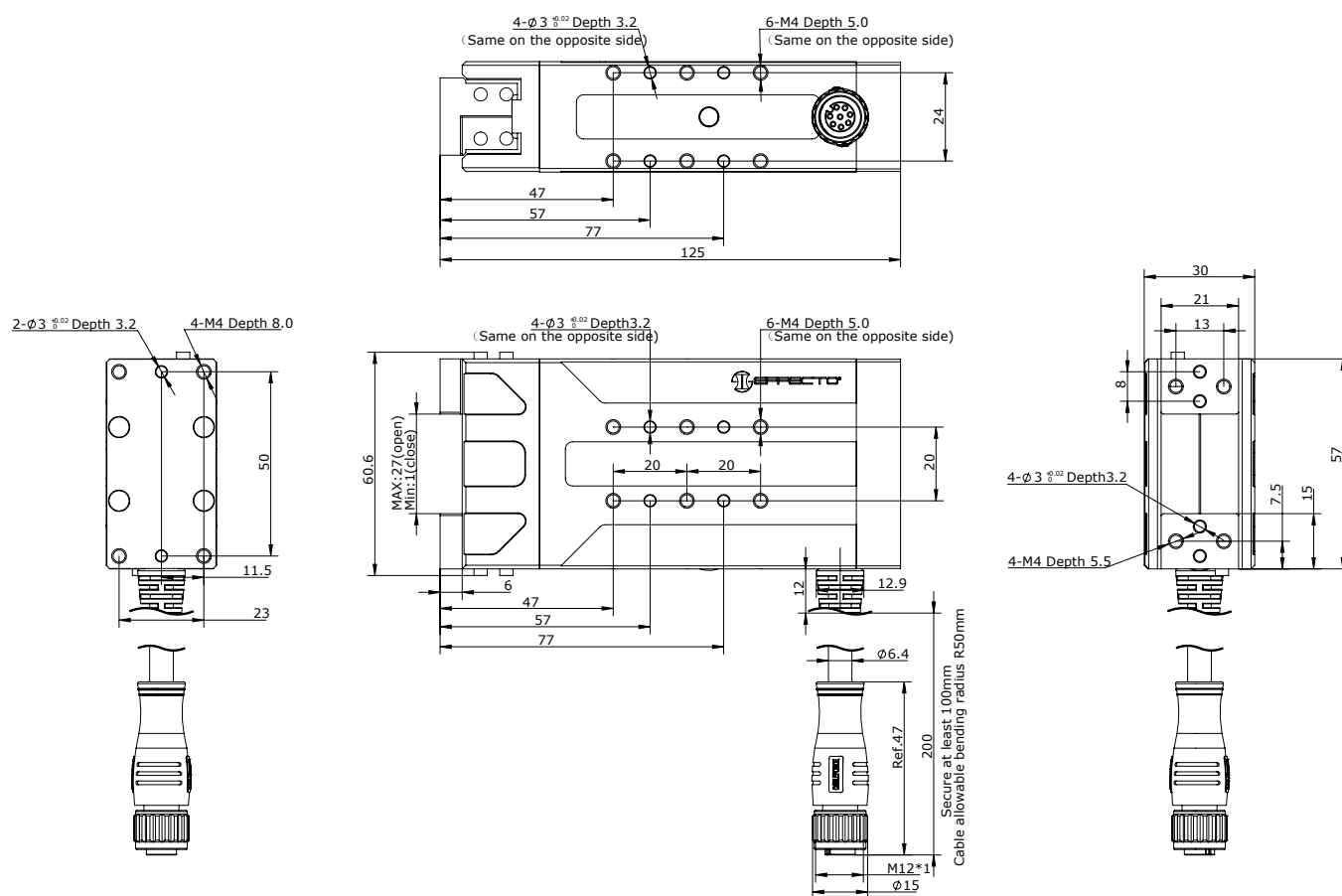
My 3.0 Nm (26.55 in-lb)

Mz 4.0 Nm (35.40 in-lb)

PRODUCT INFORMATION



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