

Electric Centric Grippers

EIG3-65100 3-Finger

EIG is an electric 3-finger centric gripper that is equipped with three symmetrically rotating fingers.

Advantages

- Smooth body
- Precise planetary gear drive
- 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



SPECIFICATIONS

Model	Gripping Diameter	Gripping Force per Jaw	Total Gripping Force	Opening/Closing Time	Nominal Voltage	Nominal Current	Max Current	Repeatability (Positioning)	Recommended Workpiece Weight*	Weight
EIG3-65100	40 - 170 mm 1.6 - 6.7 in	30 - 100 N 6.7 - 22.5 lb	90 - 300 N 20.2 - 67.4 lb	0.5 / 0.5 s	24 V DC $\pm$ 10%	0.40 A	1.00 A	$\pm$ 0.03 mm $\pm$ 0.001 in	1.5 kg 3.31 lb	1.5 kg 3.31 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.

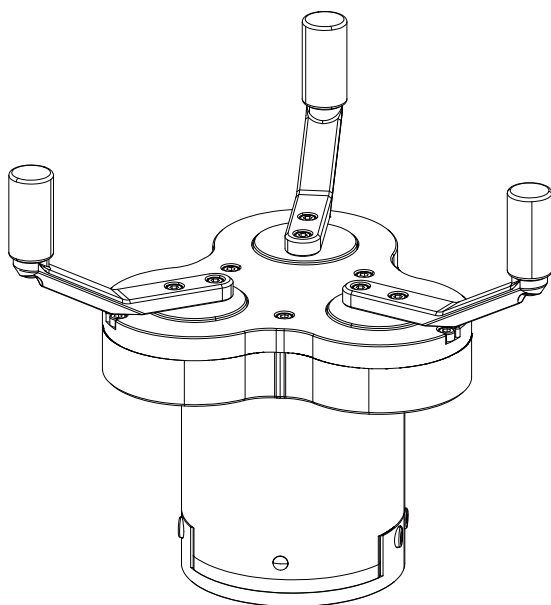
Communication Interface **Standard: Modbus RTU (RS485), Digital I/O**
Optional: TCP/IP, USB2.0, CAN2.0A, PROFINET, EtherCAT

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.

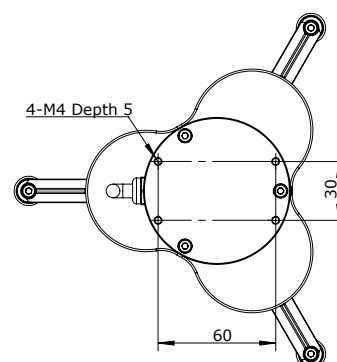
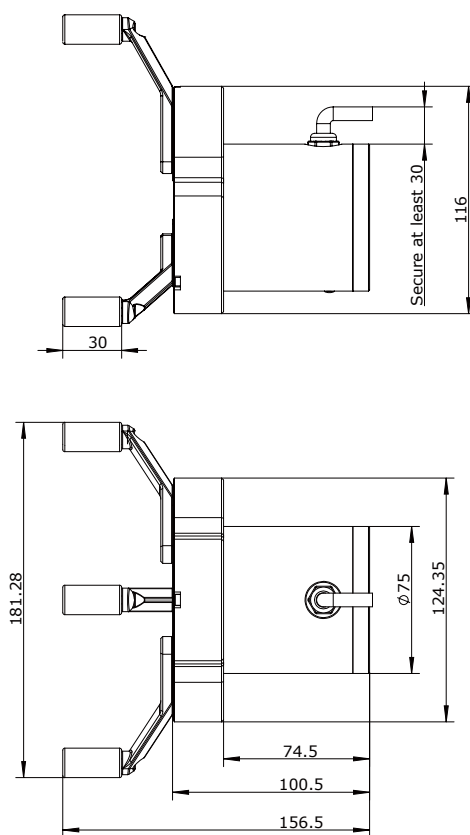
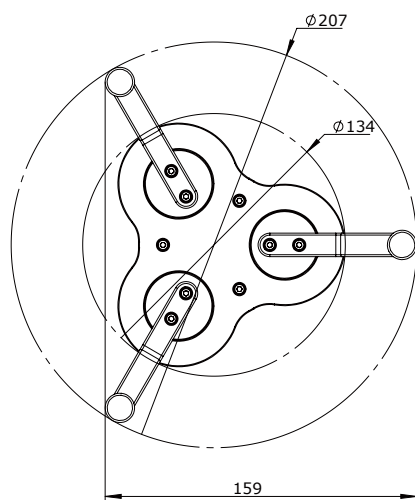


This type of gripper is recommended to use the standard fingers. If you need to replace them, please contact us for advice.

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