

# Electric Rotating Grippers

## ERG2-15035 2-Finger

ERG is a rotating electric 2-finger parallel gripper that is equipped with two symmetrically parallel fingers.

### Advantages

- Compact size
- Slim rectangular body with three installation positions for flexible mounting
- Grip control: force and position adjustment
- Adjustable rotation angle and torque
- Infinite rotation
- 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	Rotation Torque	Max Rotation Speed	Nominal Voltage	Nominal Current	Max Current	Repeatability (Swiveling)	Repeatability (Positioning)	Recommended Workpiece Weight*	Weight
<b>ERG2-15035</b>	15 mm 0.59 in	10 - 35 N 2.25 - 7.87 lb	20 - 70 N 4.5 - 15.7 lb	0.25 Nm 2.21 in-lb	1500 deg/s	24 V DC ± 10%	1.1 A	2.0 A	± 0.02 deg	± 0.02 mm ± 0.079 in	0.70 kg 1.54 lb	1.20 kg 2.65 lb

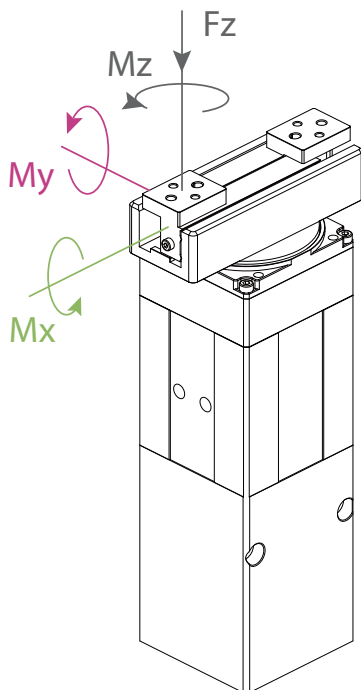
\* Recommended workpiece weight depends on the shape of the part, the material and friction of the contact surface and the acceleration of the motion.

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

IP protection class **IP 40**  
 Noise Emission (Sound Pressure) **≤ 70 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 Nm (17.70 in-lb)

My 1.5 Nm (13.28 in-lb)

Mz 2.5 Nm (22.13 in-lb)



